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95,000â€‹Â 117,959Property and equipment, netâ€‹Â 13,054â€‹Â 15,295Right of use assets - operating leasesâ€‹â€‹ 16,822â€‹Â 16,858Other assetsâ€‹Â 516â€‹Â 433Total assetsâ€‹$ 125,392â€‹$ 150,545Liabilities and stockholdersâ€™ equityâ€‹Â â€‹â€‹Â Â Â Current liabilities:â€‹Â â€‹â€‹Â Â Â Accounts payableâ€‹$ 621â€‹$ 1,298Accrued expenses and other current liabilitiesâ€‹Â 8,063â€‹Â 11,670Operating lease liabilitiesâ€‹â€‹ 3,701â€‹Â 3,373Total current liabilitiesâ€‹Â 12,385â€‹Â 16,341Operating lease liabilities - noncurrentâ€‹Â 22,450â€‹Â 22,921Total liabilitiesâ€‹Â 34,835â€‹Â 39,262â€‹â€‹â€‹â€‹â€‹â€‹â€‹Commitments and contingencies (noteÂ 9)â€‹Â â€‹â€‹Â Â Â â€‹â€‹â€‹â€‹â€‹â€‹Stockholdersâ€™ equity:â€‹Â â€‹â€‹Â Â Â Preferred stock, $0.0001 par value: 10,000,000 shares authorized; no shares issued and outstanding at both JuneÂ 30,Â 2024 and DecemberÂ 31,Â 2023â€‹â€‹ â€”â€‹â€‹ â€”Common stock, $0.0001 par value: 300,000,000 shares authorized; 61,754,786 shares issued and outstanding at JuneÂ 30,Â 2024 and 54,944,130 shares issued and outstanding at DecemberÂ 31,Â 2023â€‹Â 6â€‹Â 5Additional paidâ€™in capitalâ€‹Â 717,788â€‹Â 705,789Accumulated other comprehensive income (loss)â€‹â€‹ (67)â€‹â€‹ (43)Accumulated deficitâ€‹Â (627,170)â€‹Â (594,468)Total stockholdersâ€™ equityâ€‹Â 90,557â€‹Â 111,283Total liabilities and stockholdersâ€™ equityâ€‹$ 125,392â€‹$ 150,545â€‹See accompanying notes to unaudited interim financial statements.â€‹4 Table of ContentsPassage Bio,Â Inc.Statements of Operations and Comprehensive Loss(Unaudited)â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹Three Months Ended JuneÂ 30,Â â€‹Six Months Ended JuneÂ 30,Â (in thousands, except share and per share data)Â Â Â Â 2024Â Â Â Â 2023â€‹2024Â Â Â Â 2023Operating expenses:Â â€‹Â Â Â â€‹Â Â â€‹â€‹Â Â Â â€‹Â Â Research and developmentâ€‹$ 10,430â€‹$ 17,324â€‹$ 21,965â€‹$ 34,160General and administrativeâ€‹Â 6,510â€‹Â 8,064â€‹Â 13,025â€‹Â 27,111Impairment of long-lived assetsâ€‹â€‹ 438â€‹â€‹ â€”â€‹â€‹ 438â€‹â€‹ â€”Loss from operationsâ€‹Â (17,378)â€‹Â (25,388)â€‹Â (35,428)â€‹Â (61,271)Other income (expense), netâ€‹Â 1,387â€‹Â 1,532â€‹Â 2,726â€‹Â 3,077Net lossâ€‹$ (15,991)â€‹$ (23,856)â€‹$ (32,702)â€‹$ (58,194)Per share information:â€‹Â Â Â Â â€‹Â â€‹â€‹Â Â Â â€‹Â Â Â Net loss per share of common stock, basic and dilutedâ€‹$ (0.26)â€‹$ (0.44)â€‹$ (0.55)â€‹$ (1.06)Weighted average common shares outstanding, basic and dilutedâ€‹Â 61,682,475â€‹Â 54,683,817â€‹Â 58,989,007â€‹Â 54,651,488Comprehensive loss:â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹Net lossâ€‹$ (15,991)â€‹$ (23,856)â€‹$ (32,702)â€‹$ (58,194)Unrealized gain (loss) on marketable securitiesâ€‹â€‹ 2â€‹â€‹ 87â€‹â€‹ (24)â€‹â€‹ 626Comprehensive lossâ€‹$ (15,989)â€‹$ (23,769)â€‹$ (32,726)â€‹$ (57,568)â€‹See accompanying notes to unaudited interim financial statements.â€‹â€‹5 Table of ContentsPassage Bio,Â Inc.Statements of Stockholdersâ€™ Equity(Unaudited)â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹

or changes in circumstances indicate the carrying amount of the assets may not be recoverable. The Company recognized impairment 11 Table of ContentsPassage Bio, Inc.Notes to Unaudited Interim Financial Statementsof property and equipment, of $0.4 million for the three and six months ended JuneÂ 30,Â 2024. The Company did not recognize any impairment expenses for property and equipment for the three and six months ended JuneÂ 30,Â 2023.LeasingThe Company evaluates leases at their inception to determine if they are an operating lease or a finance lease. As of JuneÂ 30,Â 2024, the Company has classified all leases with terms greater than one year, as operating leases. The Company recognizes assets and liabilities for operating leases at their inception, based on the present value of all payments due under the lease agreement. The Company uses its incremental borrowing rate to determine the present value of operating leases, which is determined by referencing collateralized borrowing rates for debt instruments with terms similar to the respective lease. The Company utilizes the accounting policy election to not separate lease and non-lease components and the accounting policy election to not apply the recognition requirement to leases with a term of 12 months or less.The Company reviews long-lived assets, such as right of use assets, or ROU assets, for impairment when events or changes indicate the carrying amount of the ROU assets may not be recoverable. The Company did not recognize any impairment expenses for ROU assets for the three and six months ended JuneÂ 30,Â 2024 and 2023.Share-Based CompensationThe Company measures share-based awards at grant-date fair value and records compensation expense on a straight-line basis over the vesting period of the awards. The Companyâ€™s share-based compensation consists of restricted stock units, or RSUs, and options to purchase common stock, or stock option awards.The Company uses the Black-Scholes option pricing model to value its stock option awards.Estimating the fair value of stock option awards requires the input of assumptions, including, the expected term of stock options, and stock price volatility. The assumptions used in estimating the fair value of share-based awards represent managementâ€™s estimate and involve inherent uncertainties and the application of managementâ€™s judgment. As a result, if factors change and management uses different assumptions, share-based compensation expense could be materially different for future awards. The expected term of the stock options is estimated using the â€œsimplified method,â€ as the Company has limited historical information from which to develop reasonable expectations about future exercise patterns and post-vesting employment termination behavior for its stock option grants. The simplified method is the midpoint between the vesting period and the contractual term of the option. For stock price volatility, the Company uses a composite of comparable public company data as a basis for its expected volatility to calculate the fair value of option grants. The selection of comparable public company data requires the application of managementâ€™s judgement.The Company accounts for forfeitures of RSUs and stock option awards as they occur.Research and DevelopmentResearch and development costs are expensed as incurred and consist primarily of expenses incurred with GTP, contract research organizations, contract manufacturing organizations, internal analytical and testing activities, and employee-related expenses, including salaries, benefits, and share-based compensation. Management makes estimates of the Companyâ€™s external accrued research and development expenses, which primarily relates to contract research organizations and contract manufacturing organizations, as of each balance sheet date in the Companyâ€™s financial statements based on an estimate of progress to completion of specific tasks using facts and circumstances known to the Company at that time. The Company determines the estimates by reviewing contracts, vendor agreements, change 12 Table of ContentsPassage Bio, Inc.Notes to Unaudited Interim Financial Statementsorders, and through discussions with the Companyâ€™s internal clinical personnel and external service providers as to the progress to completion of services and the agreed-upon fee to be paid for such services. If the actual timing of the performance of services or the level of effort varies from the estimate, the Company will adjust the accrual and related expenses accordingly. Other Income (Expense), NetOther income (expense), net consists of interest earned on cash equivalents and marketable securities, amortization of premium and discount on marketable securities, and income from subleases. Additionally, in the six months ended JuneÂ 30,Â 2023, the Company recognized other income related to the sale of certain tax credits.The Company recorded $1.4 million to other income (expense), net for the three months ended JuneÂ 30,Â 2024, which consisted of $1.2 million attributable to interest income and the amortization of premium and discount on the Companyâ€™s marketable securities, and $0.2 million related to income from subleases. The Company recorded $1.5 million to other income (expense), net for the three months ended JuneÂ 30,Â 2023, which consisted of $1.5 million attributable to interest income and the amortization of premium and discount on the Companyâ€™s marketable securities.The Company recorded $2.7 million to other income (expense), net for the six months ended JuneÂ 30,Â 2024, which consisted of $2.4 million attributable to interest income and the amortization of premium and discount on the Companyâ€™s marketable securities, and $0.3 million related to income from subleases. The Company recorded $3.1 million to other income (expense), net for the six months ended JuneÂ 30,Â 2023, which consisted of $2.6 million attributable to interest income and the amortization of premium and discount on the Companyâ€™s marketable securities, and $0.5 million related to the sale of certain tax credits.Net Loss Per ShareBasic net loss per share of common stock is computed by dividing net loss by the weighted average number of shares of common stock outstanding during each period. Diluted loss per share of common stock includes the effect, if any, from the potential exercise or conversion of securities, such as stock options, which would result in the issuance of incremental shares of common stock. For diluted net loss per share, the weighted-average number of shares of common stock is the same for basic net loss per share due to the fact that when a net loss exists, dilutive securities are not included in the calculation as the impact is anti-dilutive.The following potentially dilutive securities have been excluded from the computation of diluted weighted-average shares of common stock outstanding, as they would be anti-dilutive:â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹Six Months Ended JuneÂ 30,Â â€‹â€‹2024Â Â Â Â 2023Stock optionsâ€‹ 12,448,302Â 13,552,008Unvested restricted stock unitsâ€‹ 352,667â€‹ 1,159,916Employee stock purchase planâ€‹ 36,789â€‹ 34,523â€‹â€‹ 12,837,758Â 14,746,447â€‹13 Table of ContentsPassage Bio, Inc.Notes to Unaudited Interim Financial StatementsRecently Adopted Accounting PronouncementsIn November 2023, the FASB issued ASU No. 2023-07, Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures, or ASU 2023-07, which expands segment disclosures by requiring disclosure of significant segment expenses that are regularly provided to the chief operating decision maker and included within each reported measure of segment profit or loss, an amount and description of its composition for other segment items, and interim disclosures of a reportable segmentâ€™s profit or loss and assets. The disclosures required under ASU 2023-07 are also required for public entities with a single reportable segment. ASU 2023-07 is effective for the Companyâ€™s first fiscal year beginning after December 15, 2023 and for interim periods within the Companyâ€™s first fiscal year beginning after December 15, 2024, with early adoption permitted. The Company does not expect the adoption of ASU 2023-07 to have a material impact on its financial statements or disclosures. In December 2023, the FASB issued ASU No. 2023-09, Income Taxes (Topic 740): Improvements to Income Tax Disclosures, or ASU 2023-09, which requires that an entity, on an annual basis, disclose additional income tax information, primarily related to the rate reconciliation and income taxes paid. The amendments in ASU 2023-09 are intended to enhance the transparency and decision usefulness of income tax disclosures. The amendments in this ASU are effective for annual periods beginning after December 15, 2024 with early adoption permitted. The Company is currently evaluating the impact of this guidance on disclosures.4.Â Cash, Cash Equivalents and Marketable SecuritiesThe following table provides details regarding the Companyâ€™s portfolio of cash and cash equivalents:â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹

flows to the carrying value of the asset group, which includes ROU assets, leasehold improvements, and other property and equipment allocable to Sublease Agreement B. The Company concluded the carrying value of the asset group was not recoverable as it exceeded the estimated undiscounted cash flows. The Company calculated the amount of impairment using a discounted cash flow model to calculate the fair value of the asset group which incorporated the net identifiable cash flows for the term of Sublease Agreement B, including an estimate for cash flows in the residual period, and an estimated borrowing rate of a market participant subtenant. The impairment charge was recorded as of the lease execution date.â€‹18 Table of ContentsPassage Bio, Inc.Notes to Unaudited Interim Financial Statements1835 Market Street Sublease Agreementâ€‹On February 20, 2024, the Company entered into a sublease agreement with a counterparty, or the 1835 Market Street Sublease Agreement. Under the 1835 Market Street Sublease Agreement, the Company subleased approximately 16,000 square feet of office space in Philadelphia, Pennsylvania. The sublease term began on March 26, 2024 and expires on September 30, 2025. The Company has the option to extend the term of the sublease agreement through February 28, 2029. The base sublease rent is $0.3 million per year for the original 18-month term of the sublease. Additionally, the Company is required to pay utility costs associated with the subleased premises. The optional extension was not recognized as part of the Companyâ€™s measurement of the ROU asset and operating lease liability as of JuneÂ 30,Â 2024.â€‹Laboratory Lease Agreementâ€‹The Company is also party to a lease agreement for laboratory space, or the Laboratory Lease Agreement, in Hopewell, New Jersey. The laboratory is focused on state-of-the-art analytical capabilities, assay development and validation, and clinical product testing to support both viral vector manufacturing and clinical development. The Laboratory Lease Agreement commenced in March 2021 and is expected to expire in March 2036. The Company has an option to extend the term of the Laboratory Lease Agreement by up to two five-year terms. This option to extend was not recognized as part of the Company's measurement of the ROU asset and operating lease liability as of JuneÂ 30,Â 2024. â€‹The following table summarizes future minimum lease payments for the Companyâ€™s lessee operating leases, which comprises the 2005 Market Street Lease Agreement, 1835 Market Street Sublease Agreement, and the Laboratory Lease Agreement. The below table does not include expected cash inflows related to Sublease Agreement A and Sublease Agreement B, as the Company was not relieved of its primarily obligation under the 2005 Market Street Lease Agreement:â€‹â€‹â€‹â€‹â€‹â€‹(in thousands)â€‹Â Â Â Â Â Â Â 2024â€‹$ 1,9372025â€‹Â 3,8832026â€‹Â 3,7572027â€‹Â 3,8632028â€‹Â 3,973Thereafterâ€‹Â 25,706Total undiscounted lease paymentsâ€‹â€‹ 43,119Less: imputed interestâ€‹â€‹ (16,968)Total lease liabilitiesâ€‹$ 26,151â€‹â€‹The following table summarizes lease expense by lease type that was recognized during the three and six months ended JuneÂ 30,Â 2024 and 2023:â€‹â€‹â€‹â€‹â€‹â€‹

years, in an amount equal to oneÂ percent of the total number of shares of the Companyâ€™s common stock outstanding on DecemberÂ 31st of the preceding calendarÂ year, subject to the discretion of the board of directors to determine a lesser number of shares shall be added for suchÂ year. The board of directors determined the shares authorized for issuance under the ESPP would not be increased in 2024.Under the ESPP, eligible employees can purchase the Companyâ€™s common stock through accumulated payroll deductions at such times as are established by the board of directorâ€™s Compensation Committee. Eligible employees may purchase the Companyâ€™s common stock at 85% of the lower of the fair market value of the Companyâ€™s common stock on the first day of the offering period or on the last day of the offering period. The offering periods under the ESPP have a duration of six months, with periods ending in May and November of each calendar year. Eligible employees may contribute up to 15% of their eligible compensation. Under the ESPP, a participant may not accrue rights to purchase 24 Table of ContentsPassage Bio, Inc.Notes to Unaudited Interim Financial Statementsmore than $25,000 worth of the Companyâ€™s common stock for each calendarÂ year in which such right is outstanding or purchase more than 4,000 shares of the Companyâ€™s common stock in any single offering period.In accordance with the guidance in ASC Topic 718-50,Â CompensationÂ â€“ Stock Compensation, the ability to purchase shares of the Companyâ€™s common stock at 85% of the lower of the price on the first day of the offering period or the last day of the offering period (i.e. the purchase date) represents an option and, therefore, the ESPP is a compensatory plan under this guidance. Accordingly, share-based compensation expense is determined based on the optionâ€™s grant-date fair value as estimated by applying the Black-Scholes option-pricing model and is recognized over the withholding period.11.Â Subsequent EventsOn July 31, 2024, the Company entered into a series of sublicense agreements with Gemma Biotherapeutics, Inc., or Gemma, a newly formed genetic medicines company co-founded by Dr. James Wilson, who also serves as a consultant to the Company as Scientific Advisor, in connection with the outlicense of PBGM01 for the treatment of GM1, PBKR03 for the treatment of Krabbe disease, and PBML04 for the treatment of metachromatic leukodystrophy, or MLD, collectively the Outlicensed Programs, and such agreements, the Gemma Sublicenses. Pursuant to the Gemma Sublicenses, the Company will receive (i) initial payments of $10 million for the purchase of clinical product supply; (ii) up to an additional $10 million contingent on the completion by Gemma of certain business milestones; (iii) up to an additional $114 million in development and commercial milestone payments; and (iv) single digit royalties as a percentage of annual worldwide net sales in exchange for sublicenses to relevant intellectual property, transfer of regulatory dossiers and transfer of clinical trial materials and product supply related to the Outlicensed Programs. Pursuant to the Gemma Sublicenses, Gemma will also be responsible for all payments due to Penn under the Penn Agreement related to the Outlicensed Programs. The Company also entered into a transition services agreement with Gemma, or the Transition Services Agreement, pursuant to which, the Company will provide transitional services at cost to Gemma for a period of up to six months from the effective date, and be entitled to reimbursement for transitional services performed retroactively from March 1, 2024, related to the transfer of the Outlicensed Programs. â€‹The Company also entered into a research, collaboration and license agreement with Gemma pursuant to which (i) Gemma will conduct certain preclinical and IND-enabling work for the Companyâ€™s active research program in Huntingtonâ€™s disease and a currently paused research program in Temporal Lobe Epilepsy, which were previously being conducted by Penn under the Penn Agreement and (ii) Gemma will grant the Company options to conduct new research programs in four new CNS indications. â€‹As a result of these agreements, the Company and Penn also amended and restated the Penn Agreement, as of July 31, 2024 to (i) terminate the Companyâ€™s funding of discovery research; (ii) terminate the research and exploratory research programs being conducted by Penn; (iii) terminate the remaining options the Company had to select new research programs in the CNS field; (iv) terminate the transaction fee due to Penn as a result of certain corporate transactions; and (v) retain the current exclusive and non-exclusive licenses to the Companyâ€™s programs in FTD, the Outlicensed Programs, and certain platform technologies resulting from the discovery programs the Company previously funded. Pursuant to the Gemma Sublicenses, Gemma is responsible for the payments to Penn related to the Outlicensed Programs for the development milestones, sales milestones, and royalties disclosed in Note 9.â€‹As these agreements were executed subsequent to the balance sheet date, and do not relate to conditions or events which existed as of the balance sheet date, the Companyâ€™s financial statements included in this Quarterly Report on Form 10-Q do not reflect the impacts of these agreements.â€‹â€‹â€‹25 Table of ContentsItemÂ 2. Managementâ€™s Discussion and Analysis of Financial Condition and Results of Operations.You should read the following discussion and analysis of our financial condition and results of operations in conjunction with our financial statements and the related notes and other financial information included elsewhere in this Quarterly Report on FormÂ 10-Q. In addition to historical financial information, this discussion and analysis contains forward-looking statements based upon current expectations that involve risks and uncertainties, such as statements of our plans, objectives, expectations, intentions and beliefs. Our actual results could differ materially from those anticipated in these forward-looking statements as a result of various factors, including those set forth in the section titled â€œRisk Factorsâ€ under PartÂ II, ItemÂ 1A below. Overview and PipelineWe are a clinical stage genetic medicines company on a mission to improve the lives of patients with neurodegenerative diseases. Our primary focus is the development and advancement of cutting-edge, one-time gene therapies designed to target critical underlying pathologies in these conditions. We believe we have developed a differentiated approach to developing treatments for central nervous system, or CNS, disorders that allows us to select and advance product candidates with a higher probability of technical and regulatory success. Our lead clinical product candidate, PBFT02, seeks to elevate progranulin levels to enhance lysosomal function and slow disease progression across a variety of neurodegenerative diseases. PBFT02 utilizes an adeno-associated virus serotype 1, or AAV1, capsid to deliver a functional granulin gene, or GRN, encoding progranulin, or PGRN, to the brain via intra cisterna magna, or ICM, administration. The lead indication for PBFT02 is frontotemporal dementia, or FTD, caused by progranulin deficiency, or FTD-GRN. We believe this clinical product candidate has the potential to provide patients with significantly improved outcomes given the rigorous capsid and transgene selection process, and our chosen route of ICM administration, which provides the potential for enhanced benefits due to widespread vector delivery to the brain and spinal cord and an improved safety profile compared with systemic administration due to the lower doses required.We are currently studying PBFT02 in FTD-GRN, for which there are currently no approved disease-modifying therapies. In addition to the continued clinical development of PBFT02 to treat FTD-GRN, we intend to pursue PBFT02 in additional adult neurodegenerative diseases where we believe increasing PGRN levels could provide benefit. Third-party preclinical studies have shown that increased PGRN levels reduce the pathologic accumulation of TAR DNA binding protein 43, or TDP-43. TDP-43 pathology is a hallmark of multiple neurodegenerative conditions, including FTD due to mutations in the C9orf72 gene, or FTD-C9orf72, approximately 95% of sporadic amyotrophic lateral sclerosis, or ALS, and approximately 50% of sporadic FTD. Additionally, we believe restoration of PGRN has the potential to modulate Alzheimerâ€™s disease, or AD, in patients that are carriers of the PGRN-lowering GRN rs5848 single nucleotide polymorphism, or SNP. Individuals with this polymorphism have reduced PGRN levels and are at an increased risk for AD. We received positive regulatory feedback on the clinical pathway to treating FTD-C9orf72 patients with PBFT02 and plan to initiate dosing in the first half of 2025. We expect to obtain regulatory feedback on the clinical pathway to treating ALS patients with PBFT02 in the second half of 2024.Research DevelopmentsOn July 31, 2024, we entered into a series of sublicense agreements with Gemma Biotherapeutics, Inc., or Gemma, a newly formed genetic medicines company co-founded by Dr. James Wilson, in connection with the outlicense of PBGM01 for the treatment of GM1 gangliosidosis, or GM1, PBKR03 for the treatment of Krabbe disease, and PBML04 for the treatment of metachromatic leukodystrophy, or MLD, collectively the Outlicensed Programs and such agreements, the Gemma Sublicenses. Pursuant to the Gemma Sublicenses, we will receive (i) initial payments of $10 million for the purchase of clinical product supply; (ii) up to an additional $10 million contingent on the completion by Gemma of certain business milestones; (iii) up to an additional $114 million in development and commercial milestone payments; and (iv) single digit royalties as a percentage of annual worldwide net sales in exchange for sublicenses to relevant intellectual property, transfer of regulatory dossiers and transfer of clinical trial materials and product supply related to the Outlicensed Programs. Pursuant to the Gemma Sublicenses, Gemma will also be responsible for all payments due to Penn under the Penn Agreement related to the Outlicensed Programs. We also entered into a transition services agreement with Gemma, or the Transition Services Agreement, pursuant to which, we will provide transitional 26 Table of Contentsservices at cost to Gemma for a period of up to six months from the effective date, and be entitled to reimbursement for transitional services performed retroactively from March 1, 2024, related to the transfer of the Outlicensed Programs. â€‹We also entered into a research, collaboration and license agreement with Gemma, or the Gemma Collaboration Agreement, pursuant to which (i) Gemma will conduct certain preclinical and IND-enabling work for our active research program in Huntingtonâ€™s disease and a currently paused research program in Temporal Lobe Epilepsy, or TLE, which were previously being conducted by Penn under the Penn Agreement and (ii) Gemma will grant us options to conduct new research programs in four new CNS indications.We refer to the Gemma Sublicenses, the Transition Services Agreement, and the Gemma Collaboration Agreement, collectively, as the Outlicense Transaction Agreements.As a result of the Outlicense Transaction Agreements, we and Penn also amended and restated the Penn Agreement, as of July 31, 2024 to (i) terminate our funding of discovery research; (ii) terminate the research and exploratory research programs being conducted by Penn; (iii) terminate the remaining options we had to select new research programs in the CNS field; and (iv) terminate the transaction fee due to Penn as a result of certain corporate transactions. Prior to the execution of the Outlicense Transaction Agreements, we had a research collaboration with the Trustees of the University of Pennsylvaniaâ€™s, or Pennâ€™s, Gene Therapy Program, or GTP, headed by Dr. Wilson. Under this collaboration, we progressed four product candidates sourced from our research collaboration with GTP to the clinical stage of development and had one active preclinical program in Huntingtonâ€™s disease. We have a gene therapy pipeline with the potential to address multiple neurodegenerative diseases. Our development programs consist of:â€‹â€‹ US/EU prevalence per third-party sourcesâ€‹PBFT02 for the Treatment of FTD-GRN â€‹We are currently developing PBFT02, which utilizes an AAV1 capsid to deliver a functional copy of GRN encoding for PGRN, for the treatment of FTD-GRN. FTD-GRN is an inheritable form of FTD caused by reductions in PGRN production due to mutations in the GRN gene. PGRN is a complex and highly conserved protein with multiple roles in cell homeostasis, neurodevelopment, and inflammation. In FTD-GRN, PGRN deficiency results in lysosomal dysfunction, neuroinflammation, and neurodegeneration. 27 Table of ContentsCurrently, there are no disease-modifying therapies approved for the treatment of FTD-GRN. Based on findings in preclinical studies, we believe that PBFT02 may provide FTD-GRN patients with significantly improved outcomes. We selected the AAV1 capsid and ICM administration for PBFT02 because this approach led to extensive and robust vector delivery throughout the brain and spinal cord of non-human primates, or NHPs, and due to the higher PGRN levels in cerebrospinal fluid, or CSF, achieved using AAV1 as compared with other serotypes tested. ICM administration of AAV1 to NHPs resulted in elevated CSF levels of human PGRN when compared with CSF levels in healthy human subjects, and in excess of levels achieved in NHPs with AAVhu68 or AAV5. We have an active Investigational New Drug application, or IND, from the U.S. Food and Drug Administration, or FDA, and approved clinical trial authorizations, or CTAs, in multiple countries for PBFT02. We are conducting our upliFT-D trial, an international, multi-center, open-label, single-arm Phase 1/2 clinical trial of PBFT02 in patients with a diagnosis of symptomatic FTD-GRN. We reported biomarker data from three patients in Cohort 1 of our upliFT-D trial in December of 2023 and May 2024. Dose 1 of PBFT02 resulted in consistent elevated levels of CSF PGRN with concentrations ranging from 10.7 to 17.3 ng/mL at 30 days post-treatment (n=3) and 21.7 to 27.3 ng/mL at 6 months post-treatment (n=2), higher than the range found in healthy adult controls of 3.3 to 8.2 ng/mL (mean=4.8 ng/mL; n=61). In contrast, following PBFT02 treatment, plasma PGRN levels were unaltered, remaining similar to baseline concentrations and below levels found in healthy adult controls.As of June 2024, Dose 1 of PBFT02 treatment was generally well-tolerated in study participants who received an enhanced immunosuppression regimen (n=4).We have completed dosing of Cohort 1 (n=5) and have enrolled the first patient in Cohort 2 (n=3-5). Based on the robust PGRN expression observed in the initial patients in Cohort 1, we are continuing to study Dose 1 in Cohort 2 of the upliFT-D trial. We expect to deliver on the following related to our upliFT-D trial for PBFT02 for the treatment of FTD-GRN:â—report updated safety and biomarker data from Cohort 1 patients in September 2024;â—report 12-month follow-up data from Cohort 1 patients and interim data from Cohort 2 patients in the first half of 2025; and,â—seek regulatory feedback on pivotal trial design in the second half of 2025.â€‹The FDA has granted Orphan Drug Designation for PBFT02 for the treatment of FTD and Fast Track Designation for PBFT02 for the treatment of FTD-GRN. The European Commission has granted Orphan designation for PBFT02 for the treatment of FTD.PBFT02 for the treatment of FTD-C9orf72 and ALSWe intend to pursue PBFT02 in additional adult neurodegenerative diseases where we believe elevated PGRN levels could provide benefits. This approach stems from PGRNâ€™s pleiotropic cellular effects including the regulation of microglial activation and lysosomal function, and in particular its potential to ameliorate TDP-43 pathology. TDP-43 is a ribonucleic acid / deoxyribonucleic acid, or RNA/DNA, binding protein that normally resides in the nucleus where it regulates gene expression, RNA splicing, RNA trafficking, and mRNA turnover. Cytoplasmic TDP-43 pathology is a hallmark of multiple neurodegenerative conditions including FTD-GRN, FTD-C9orf72, approximately 95% of sporadic ALS, and approximately 50% of sporadic FTD. In these disorders, hyperphosphorylated TDP-43 accumulates in the cytoplasm of cell bodies and dendritic processes of neurons and glia, suggesting that loss of TDP-43's normal nuclear function contributes to the neurodegenerative process.The potential for benefit of increased PGRN in disorders with TDP-43 pathology has been demonstrated by third-party preclinical studies in mice and zebrafish which showed that increased PGRN levels reduced TDP-43 pathology and associated toxicities. We anticipate that elevating neuronal PGRN levels in diseases with TDP-43 pathology may provide significant benefits to patients.Â We have initiated preclinical studies to extend these initial observations.28 Table of ContentsWe received positive regulatory feedback on the clinical pathway to treating FTD-C9orf72 with PBFT02 in the ongoing upliFT-D trial and expect to initiate dosing in the first half of 2025. We expect to obtain regulatory feedback on the clinical pathway to treating ALS patients with PBFT02 in the second half of 2024.PBFT02 for the treatment of ADWe believe that elevating PGRN levels has the potential to improve the course of AD in patients who carry the GRN rs5848 single nucleotide polymorphism, or GRN SNP. The GRN SNP has an allele frequency of approximately 30% and is associated with reduced PGRN levels. Its presence has been shown to confer an increased risk for AD onset. Within symptomatic AD patients, GRN SNP carriers not only have lower levels of PGRN, but also higher levels of CSF tau, which correlates with increased AD pathology in the brain and more rapid disease progression. Third party preclinical studies in animal models have demonstrated that low levels of PGRN may exacerbate AD pathology and, conversely, high levels of PGRN may reduce AD pathology. We have initiated preclinical studies in AD to extend these initial observations.Other Clinical Product CandidatesAs of July 31, 2024, we outlicensed our clinical stage pediatric programs in GM1 (PBGM01), Krabbe disease (PBKR03), and MLD (PBML04) as part of the Outlicense Transaction Agreements.Active Research ProgramsWe have one unnamed preclinical research program through the Gemma Collaboration Agreement which was previously conducted by Penn under the Penn Agreement and is exploring multiple potential treatment targets for Huntingtonâ€™s disease. â€‹Beyond this program, as a result of the Gemma Collaboration Agreement, we also have the option to license programs for four additional new indications in CNS diseases from Gemma.â€‹Paused Research ProgramsWe also have a research program through the Gemma Collaboration Agreement for TLE, which was previously conducted by Penn under the Penn Agreement. In order to reduce operating expenses, we have paused development of this program. We have terminated our research program in ALS due to C9orf72 mutations.Business Overviewâ€‹We were incorporated in July 2017 under the laws of the State of Delaware. Since inception, our operations have consisted primarily of conducting preclinical studies, developing licensed technology, conducting clinical trials, and manufacturing clinical supply to support clinical trials. We have incurred recurring losses, the majority of which are attributable to research and development activities, and negative cash flows from operations. Historically, we have funded our operations through the sale of convertible preferred stock and public offerings of common stock. Our net losses were $16.0 million and $23.9 million for the three months ended JuneÂ 30,Â 2024 and 2023, respectively, and $32.7 million and $58.2 million for the six months ended JuneÂ 30,Â 2024 and 2023, respectively. As of JuneÂ 30,Â 2024, we had an accumulated deficit of $627.2 million. Our primary use of cash is to fund operating expenses, which consist primarily of research and development expenditures, and to a lesser extent, general and administrative expenditures. Our ability to generate product revenue sufficient to achieve profitability will depend heavily on the successful development and eventual commercialization of one or more of our current or future product candidates. We expect to continue to incur significant expenses and operating losses for the foreseeable future as we advance our product candidates through all stages of development and clinical trials and, ultimately, seek regulatory approval. In addition, if we obtain marketing approval for any of our product candidates, we expect to incur significant commercialization expenses related to product 29 Table of Contentsmanufacturing, marketing, sales and distribution. Our net losses may fluctuate significantly from quarter to quarter and year to year, depending on the timing of our clinical trials and our expenditures on other research and development activities.â€‹We will need to raise substantial additional capital to support our continuing operations and pursue our growth strategy. Until such time as we can generate significant revenue from product sales, if ever, we plan to finance our operations through the sale of equity, debt financings or other capital sources, which may include collaborations with other companies or other strategic transactions. There are no assurances that we will be successful in obtaining an adequate level of financing as and when needed to finance our operations on terms acceptable to us or at all. Any failure to raise capital as and when needed could have a negative impact on our financial condition and on our ability to pursue our business plans and strategies. If we are unable to secure adequate additional funding, we may have to significantly delay, scale back or discontinue the development and commercialization of one or more product candidates

or delay our pursuit of potential in-licenses or acquisitions.â€‹As of JuneÂ 30,Â 2024, we had cash, cash equivalents and marketable securities of $91.8 million. We expect our existing cash, cash equivalents and marketable securities, combined with the initial payments to be received from the Outlicense Transaction Agreements, will enable us to fund our operating expenses and capital expenditure requirements to the end of the second quarter of 2026.Financial Operations OverviewLicense AgreementUniversity of PennsylvaniaAs a result of the Outlicense Transaction Agreements, we restructured our research, collaboration and licensing agreement with Penn, as amended, previously the Penn Agreement and now referred to as the Penn License Agreement. Pursuant to the Penn License Agreement, as of July 31, 2024, we (i) terminated the funding of discovery research programs; (ii) terminated the research and exploratory research programs; (iii) terminated the remaining eight options we had for future CNS indications; (iv) terminated the transaction fee payable to Penn in the event of certain corporate transactions; and (v) retained our current exclusive and non-exclusive licenses to our programs in FTD, GM1, Krabbe and MLD and certain platform technologies resulting from the discovery programs that we funded.For our licensed programs in FTD, GM1, Krabbe and MLD, the Penn License Agreement requires that we make payments of up to $16.5 million per product candidate. Each payment will be due upon the achievement of specific development milestone events by such licensed product for a first indication, reduced development milestone payments for the second and third indications and no development milestone payments for subsequent indications. In addition, on a product-by-product basis, we are obligated to make up to $55.0 million in sales milestone payments on each licensed product based on annual worldwide net sales of the licensed product in excess of defined thresholds. Pursuant to the Gemma Sublicenses, Gemma is responsible for the payments to Penn related to the Outlicensed Programs. Upon successful commercialization of a product using the licensed technology, we are obligated to pay to Penn, on a licensed product-by-licensed product and country-by-country basis, tiered royalties (subject to customary reductions) in the mid-single digits on annual worldwide net sales of such licensed product. In addition, other than the Gemma Sublicenses, we are obligated to pay to Penn a percentage of sublicensing income, ranging from the mid-single digits to low double digits, for sublicenses under the Penn License Agreement. The agreement will expire on a licensed product-by-licensed product and country-by-country basis upon the later of (i) the expiration of the last valid claim of the licensed patent rights that covers the exploitation of such licensed product in such country, and (ii) the expiration of the royalty period. Pursuant to the Gemma Sublicenses, Gemma is responsible for the payments to Penn related to the Outlicensed Programs.â€‹30 Table of ContentsGemma Biotherapeutics, Inc. - Research, Collaboration and License Agreement In connection with the transfer of the Outlicensed Programs, on July 31, 2024, we entered into the Gemma Collaboration Agreement. Pursuant to the Gemma Collaboration Agreement, (i) Gemma will conduct certain preclinical and IND-enabling work for our active research program in Huntingtonâ€™s disease and a currently paused research program in TLE, which were previously being conducted by Penn under the Penn Agreement and (ii) Gemma will grant us options to conduct mutually agreed research programs in four new CNS indications.The Gemma Collaboration Agreement requires that we make payments of up to (i) $16.5 million per product candidate in the aggregate for Huntingtonâ€™s disease and any future CNS indications available to us under our four options and (ii) $39.0 million per product candidate in the aggregate arising from the research program for TLE. Each payment will be due upon the achievement of specific development milestone events by such licensed product for a first indication, reduced development milestone payments for the second and third indications and no development milestone payments for subsequent indications. In addition, on a product-by-product basis, we are obligated to make up to $55.0 million in sales milestone payments on each licensed product based on annual worldwide net sales of the licensed product in excess of defined thresholds.Upon successful commercialization of a product using the licensed technology, we are obligated to pay to Gemma, on a licensed product-by-licensed product and country-by-country basis, tiered royalties (subject to customary reductions) in the mid-single digits percentage on annual worldwide net sales of such licensed product. In addition, we are obligated to pay to Gemma a percentage of sublicensing income, ranging from the mid-single digits to low double digits, for sublicenses under the Gemma Collaboration Agreement. The agreement will expire on a licensed product-by-licensed product and country-by-country basis upon the later of (i) the expiration of the last valid claim of the licensed patent rights that covers the exploitation of such licensed product in such country, and (ii) the expiration of the royalty period. If we were to exercise any of the four options, we would owe Gemma a non-refundable aggregate fee of $1.0 million per product indication, with $0.5 million due upfront and another $0.5 million fee owed upon a further developmental milestone. Gemma Biotherapeutics, Inc. - Sub-License Agreements and Transition Services AgreementIn connection with the transfer of the Outlicensed Programs to Gemma, we have entered into the Gemma Sublicenses, pursuant to which, we will receive (i) initial payments of $10 million for the purchase of clinical product supply; (ii) up to an additional $10 million contingent on the completion by Gemma of certain business milestones; (iii) up to an additional $114 million in development and commercial milestone payments; and (iv) single digit royalties as a percentage of annual worldwide net sales in exchange for sublicenses to relevant intellectual property, transfer of regulatory dossiers and transfer of clinical trial materials and product supply related to the Outlicensed Programs. In addition, Gemma is responsible for all payments to Penn related to the Outlicensed Programs under the Penn License Agreement. In addition, we entered into a transition services agreement with Gemma pursuant to which (i) we will provide transitional services at cost to Gemma for a period of up to six (6) months related to the transfer of the Outlicensed Programs and (ii) Gemma will reimburse us for certain costs related to conduct of the Outlicensed Programs incurred since March 1, 2024.Collaboration and Manufacturing and Supply AgreementsCatalentIn June 2019, we entered into a collaboration agreement, or the Collaboration Agreement, with Catalent Maryland, a unit of Catalent, Inc., or Catalent. As part of the Collaboration Agreement, we were required to pay an annual fee for five years ending in 2025 for the exclusive use of a dedicated clean room suite, or the Clean Room Suite. In April 2020, we entered into a development services and clinical supply agreement, or the Manufacturing and Supply Agreement, with Catalent to secure clinical scale manufacturing capacity for batches of active pharmaceutical ingredients for our gene 31 Table of Contentstherapy product candidates. Under the terms of the Manufacturing and Supply Agreement, Catalent agreed to manufacture batches of drug product for our gene therapy product candidates at the Clean Room Suite at a Catalent facility provided for in the Collaboration Agreement. The Manufacturing and Supply Agreement provided for a term of five years. The Manufacturing and Supply Agreement also included minimum annual purchase commitments.Under both the Collaboration Agreement and the Manufacturing and Supply Agreement, we had an annual minimum commitment of $10.6 million per year owed to Catalent for five years from November 2020 subject to certain inflationary adjustments.On March 31, 2023, we entered into certain letter agreements, the Letter Agreements, amending each of (i) the Collaboration Agreement and (ii) the Manufacturing and Supply Agreement, together with the Collaboration Agreement, the Original Catalent Agreements. On November 9, 2023, to supersede and implement the terms of the Letter Agreements, we entered into an amended and restated collaboration agreement and an amended and restated manufacturing and supply agreement, together the Amended Catalent Agreements.The Amended Catalent Agreements eliminate the minimum annual purchase obligation and the obligation to pay an annual fee for use of the Clean Room Suite, thereby eliminating the annual minimum commitment of $10.6 million per year owed to Catalent through November 2025 under the Original Catalent Agreements. In consideration of this, we had an obligation to make aggregate payments to Catalent of $6.0 million between June 30, 2023 and May 1, 2024. As of JuneÂ 30,Â 2024, we have made all payments related to this obligation under the Amended Catalent Agreements.The Amended Catalent Agreements extend the term of the Original Catalent Agreements until November 6, 2030, and establish a limited exclusive relationship between us and Catalent for the manufacture of bulk drug substance and drug product for our adeno-associated virus delivery therapeutic product candidates for the treatment of FTD and GM1. The limited exclusive relationship under the Amended Catalent Agreements converts to a non-exclusive relationship (i) in the event Catalent fails to meet certain performance standards and (ii) following certain conditional events related to the divestiture by us of either FTD or GM1, in which case, if such events occur, we would pay Catalent certain fees. In addition, in the event of certain transactions, we may terminate the Amended Catalent Agreements for convenience with respect to such products, in which case, we would pay to Catalent a certain termination fee. The outlicense of GM1 to Gemma under the Outlicense Transaction Agreements, and subsequent business decisions implemented by Gemma under their sole discretion, could qualify as a divesture event under the Amended Catalent Agreements and require us to make payment of certain fees to Catalent, which fees are immaterial.Immediately prior to the execution of the Letter Agreements, we had a $5.3 million prepaid asset related to upfront payments made to secure the Clean Room Suite. In connection with the Letter Agreements, we no longer have exclusive access to the Clean Room Suite at Catalent and, as a result, we recognized an expense of $5.3 million related to the elimination of the prepaid asset during the six months ended JuneÂ 30,Â 2023. â€‹We classified the $11.3 million of expenses, which comprises of $6.0 million in aggregate payments due to Catalent and the $5.3 million elimination of the prepaid asset, as general and administrative expense within the statement of operations for the six months ended JuneÂ 30,Â 2023, as both amounts did not directly relate to the future advancement of our research and development programs.Components of Results of OperationsResearch and DevelopmentResearch and development expenses consist primarily of costs incurred in connection with the development of our product candidates. These expenses include:â—expenses incurred to conduct the necessary preclinical studies and clinical trials required to obtain regulatory approval, including payments to clinical research organizations, or CROs, and payments to GTP for preclinical research and development;32 Table of Contentsâ—personnel expenses, including salaries, benefits and share-based compensation expense for employees engaged in research and development functions;â—expenses incurred under agreements with contract development and manufacturing organizations, or CDMOs, including the cost of acquiring and manufacturing preclinical study and clinical trial materials;â—expenses and fees paid to consultants who assist with research and development activities; andâ—expenses incurred at and for our lab facilities, including rent, utilities, depreciation, and maintenance.We track outsourced development expenses and other external research and development expenses to specific product candidates on a program-by-program basis, such as fees paid to CROs, CDMOs and research laboratories in connection with our preclinical development, process development, manufacturing and clinical development activities, expenses incurred under our prior collaboration with Penn, and future expenses incurred under the Gemma Collaboration Agreement. However, we do not track our internal research and development expenses on a program-by-program basis as they primarily relate to compensation, lab operations and lab facility costs, and other expenses which are deployed across multiple projects under development.Research and development activities are central to our business model. Product candidates in later stages of clinical development generally have higher development expenses than those in earlier stages of clinical development, primarily due to the increased size and duration of later-stage clinical trials. â€‹We expect our research and development expenses to remain consistent in the near future. We expect that the reduction of expenses related to the Outlicensed Programs pursuant to the Outlicense Transaction Agreements will offset the increased expenses of advancing our remaining product candidates in the near future. If our product candidate portfolio progresses into later-stage clinical trials, we expect that our research and development expenses will increase in the future to support our continued research and development activities and production of clinical supply.â€‹General and Administrative ExpensesGeneral and administrative expenses consist primarily of personnel expenses, including salaries, benefits and share-based compensation expense, for employees and consultants in executive, finance, accounting, legal, information technology, product strategy, quality, regulatory, operations and human resource functions. General and administrative expenses also include headquarters facility costs, including rent, utilities, depreciation and maintenance, legal expenses related to intellectual property, litigation and corporate matters, insurance expense, expenses related to contract modifications or terminations, software expenses, expenses incurred to engage with patient advocacy organizations, recruitment related expenses, and expenses for other professional and consulting services. We expect our general and administrative expenses to remain consistent in the near future.If our product candidate portfolio progresses into later-stage clinical trials, we expect that our general and administrative expenses will increase in the future to support our continued research and development activities and potential commercialization efforts. These increases will likely include increased expenses related to the hiring of additional personnel in general and administrative functions, and expenses related to pre-commercialization efforts. If any of our current or future product candidates obtain regulatory approval, we expect that we would incur significantly increased expenses associated with building a commercial sales and marketing team.Impairment of Long-Lived AssetsImpairment of long-lived assets consists of non-cash impairment charges recorded to our assets. We review long-lived assets, such as the right of use assets or property and equipment, for impairments when events or changes in circumstances indicate the carrying amount of the assets may not be recoverable. During the six months ended JuneÂ 30,Â 2024, we recognized impairment expense related to property and equipment for a construction in progress asset.â€‹33 Table of ContentsOther Income (Expense), NetOther income (expense), net consists of interest earned on our cash equivalents and marketable securities, amortization of premium and discount on our marketable securities, and income from subleases. Additionally, in the six months ended JuneÂ 30,Â 2023, we recognized other income related to the sale of certain tax credits.Results of OperationsComparison of the three months ended JuneÂ 30,Â 2024 and 2023The following table sets forth our results of operations for the three months ended JuneÂ 30,Â 2024 and 2023:â€‹â€‹â€‹

JuneÂ 30,Â 2024 from $27.1 million for the six months ended JuneÂ 30,Â 2023. The decrease was primarily due to the following:â—a decrease of $11.3 million related to expenses incurred in conjunction with the Amended Catalent Agreements during the six months ended JuneÂ 30,Â 2023;â—a decrease of $1.6 million in wages and benefits related to reductions in headcount;â—a decrease of $1.5 million in share-based compensation expense related to reductions in headcount; andâ—a decrease of $0.3 million in facility and other expenses.â€‹These decreases were partially offset by:â—an increase of $0.6 million for professional services and consulting.â€‹Impairment of Long-Lived Assets During the six months ended JuneÂ 30,Â 2024, we recorded $0.4 million of impairment expenses related to property and equipment for a construction in progress asset we no longer plan to deploy. During the six months ended JuneÂ 30,Â 2023, we did not record any impairment expense. Other Income (Expense), NetOther income (expense), net decreased by $0.4 million to $2.7 million for the six months ended JuneÂ 30,Â 2024 from $3.1 million for the six months ended JuneÂ 30,Â 2023. The decrease was primarily due to the following: â—a decrease of $0.5 million attributable to the sale of certain tax credits during the six months ended JuneÂ 30,Â 2023, andâ—a decrease of $0.2 million attributable to interest income and the amortization of premium and discount on our marketable securities.â€‹These decreases were partially offset by:â—an increase of $0.3 million attributable to income from subleases.â€‹36 Table of ContentsLiquidity and Capital ResourcesOverviewAs of JuneÂ 30,Â 2024, we had $91.8Â million in cash, cash equivalents and marketable securities and had an accumulated deficit of $627.2 million. We expect our existing cash, cash equivalents and marketable securities, combined with the initial payments to be received from the Outlicense Transaction Agreements, will enable us to fund our operating expenses and capital expenditure requirements to the end of the second quarter of 2026.Funding RequirementsOur primary use of cash is to fund operating expenses, most significantly research and development expenditures. Cash used to fund operating expenses is impacted by the timing of when we pay these expenses, as reflected in the change in our outstanding accounts payable, accrued expenses and prepaid expenses.Because of the numerous risks and uncertainties associated with research, development and commercialization of pharmaceutical products, we are unable to estimate the exact amount of our operating capital requirements. Our future funding requirements will depend on many factors, including, but not limited to:â—the scope, timing, progress and results of discovery, preclinical development, laboratory testing and clinical trials for our product candidates;â—the expenses of manufacturing our product candidates for clinical trials and in preparation for marketing approval and commercialization;â—the extent to which we enter into collaborations or other arrangements with additional third parties in order to further develop our product candidates;â—the expenses of preparing, filing and prosecuting patent applications, maintaining and enforcing our intellectual property rights and defending intellectual property-related claims;â—the expenses and fees associated with the discovery, acquisition or in-license of additional product candidates or technologies;â—the expenses related to general and administrative functions to support our product candidates;â—our ability to establish additional collaborations on favorable terms, if at all;â—the expenses required to scale up our clinical, regulatory and manufacturing capabilities;â—the expenses of future commercialization activities, if any, including establishing sales, marketing, manufacturing and distribution capabilities, for any of our product candidates for which we receive marketing approval; andâ—revenue, if any, received from commercial sales of our product candidates, should any of our product candidates receive marketing approval.We will need additional funds to meet operational needs and capital requirements for clinical trials, other research and development expenditures, and business development activities. We currently have no credit facility or committed sources of capital. Because of the numerous risks and uncertainties associated with the development and commercialization of our product candidates, we are unable to estimate the amounts of increased capital outlays and operating expenditures associated with our current and anticipated clinical studies.37 Table of ContentsUntil such time, if ever, as we can generate substantial product revenue, we expect to finance our operations through a combination of equity offerings, debt financings, collaborations, strategic alliances and marketing, distribution or licensing arrangements. To the extent that we raise additional capital through the sale of equity or convertible debt securities, existing stockholdersâ€™ ownership interest will be diluted, and the terms of these securities may include liquidation or other preferences that adversely affect existing stockholdersâ€™ rights as common stockholders. Debt financing and preferred equity financing, if available, may involve agreements that include covenants limiting or restricting our ability to take specific actions, such as incurring additional debt, making acquisitions or capital expenditures or declaring dividends. If we raise additional funds through collaborations, strategic alliances or marketing, distribution or licensing arrangements with third parties, we may have to relinquish valuable rights to our technologies, future revenue streams, research programs or drug candidates, or grant licenses on terms that may not be favorable to us. If we are unable to raise additional funds through equity or debt financings or other arrangements when needed, we may be required to delay, limit, further reduce or terminate our research, product development or future commercialization efforts, or grant rights to develop and market product candidates that we would otherwise prefer to develop and market ourselves.On March 5, 2021, we entered into a Sales Agreement, or the Sales Agreement, with Cowen and Company, LLC, or Cowen, relating to the applicable terms of at-the-market equity offerings, or the ATM Facility, pursuant to which we may, but are not obligated to, offer and sell, from time to time, shares of our common stock with an aggregate offering price up to $125.0 million through Cowen, as sales agent in the ATM Facility. We issued 6,000,000 shares of common stock under the ATM Facility, resulting in net proceeds of $8.7 million, after deducting offering costs of $0.3 million in March 2024. We are limited to $50 million in our capacity to offer and sell shares of our common stock under this sales agreement pursuant to our shelf registration statement on Form S-3, filed on March 4, 2024. As of June 30, 2024, $50 million of capacity remains available to be sold under the ATM Facility.Cash FlowsThe following table shows a summary of our cash flows for the periods indicated:â€‹â€‹â€‹

ultimately be unable to complete, the development and commercialization of our current product candidates or any future product candidates;â€‹Gene therapy is a novel technology, which makes it difficult to predict the time and cost of product candidate development and subsequently obtaining regulatory approval;â€‹Our product candidates may cause undesirable and unforeseen side effects, which could delay or prevent their advancement into clinical trials or regulatory approval, limit the commercial potential or result in significant negative consequences;â€‹We currently rely on our collaboration with Gemma for many aspects of our preclinical research and development programs, including for discovering, preclinically developing and conducting IND-enabling studies for our clinical product candidates and our near-term future pipeline of product candidates;â€‹Gene therapies are novel, complex and difficult to manufacture. We could experience manufacturing problems that result in delays in our development or commercialization programs or otherwise harm our business;â€‹We face significant competition in an environment of rapid technological change and the possibility that our competitors may achieve regulatory approval before us or develop therapies or technologies that are more advanced or effective than ours;â€‹We currently rely and expect to continue to rely on third-party manufacturers to produce clinical supply of our product candidates; â€‹Even if we are able to obtain regulatory approval for and commercialize our product candidates, our products may become subject to unfavorable pricing regulations or third-party coverage and reimbursement policies, which would harm our business; â€‹The price of our common stock does not meet the requirements for continued listing on The Nasdaq Global Select Market. If we fail to regain compliance with the minimum listing requirements, our common stock will be subject to delisting; andâ€‹If we are unable to obtain and maintain patent protection or other necessary rights for our products and technology, or if the scope of the patent protection obtained is not sufficiently broad or our rights under licensed patents is not sufficiently broad, our competitors could develop and commercialize products and technology similar or identical to ours, and our ability to successfully commercialize our products and technology may be adversely affected.â€‹Risks Related to Our Financial Position and Need for Additional Capitalâ€‹We are a clinical stage genetic medicines company with a history of operating losses, and we may not achieve or sustain profitability. We anticipate that we will continue to incur losses for the foreseeable future. Our limited operating history may make it difficult for you to evaluate the success of our business to date and to assess our future viability.â€‹We are a clinical stage genetic medicines company with a limited operating history on which to base your investment decision. Biotechnology product development is a highly speculative undertaking and involves a substantial degree of risk. Our operations to date have been limited primarily to staffing our company, business planning, raising capital, entering into collaboration and vendor agreements for conducting preclinical research and clinical development activities for our product candidates, and performing clinical development activities and manufacturing clinical supply. All of our product candidates are in the clinical development stage, have been stopped from further clinical development in order to 43 Table of Contentsreduce operating expenditures, or are in the preclinical or discovery stage. We have no products approved for commercial sale and have not generated any revenue from commercial product sales, and we will continue to incur significant research and development and other expenses related to our clinical development and ongoing operations. We have funded our operations to date through proceeds from sales of our convertible preferred stock, and public offerings, and do not expect to receive revenue from commercial product sales, for many years, if ever.We have incurred net losses since our inception in 2017. We incurred net losses of $32.7 million and $58.2 million for the six months ended JuneÂ 30,Â 2024 and 2023, respectively. As of JuneÂ 30,Â 2024, we had an accumulated deficit of $627.2 million. Substantially all of our operating losses have resulted from expenses incurred in connection with our research and development programs, acquiring the rights to our product candidates, and from general and administrative expenses associated with our operations. We expect to continue to incur significant expenses and operating losses over the next severalÂ years and for the foreseeable future as we intend to continue to conduct research and development, clinical testing, regulatory compliance activities, manufacturing activities, and, if any of our product candidates is approved, sales and marketing activities that, together with anticipated general and administrative expenses, will likely result in us incurring significant losses for the foreseeable future. Our prior losses, combined with expected future losses, have had and will continue to have an adverse effect on our stockholdersâ€™ equity and working capital.We expect that it will be severalÂ years, if ever, before we have a commercialized product. We anticipate that our expenses will increase substantially if, and as, we:â€¢advance our product candidates from the preclinical or discovery stage to the clinical development stage;â€¢advance our clinical product candidates into later stage clinical development;â€¢seek regulatory approvals for any product candidates that successfully complete clinical trials;â€¢hire additional clinical, quality control, regulatory, manufacturing, scientific and administrative personnel;â€¢expand our operational, financial and management systems and increase personnel, including personnel to support our clinical development, manufacturing and commercialization efforts;â€¢expand or build our internal manufacturing capabilities;â€¢maintain, expand and protect our intellectual property portfolio; andâ€¢incur additional legal, accounting or other expenses in operating our business, including the additional costs associated with operating as a public company.In addition, as a new business, we may encounter unforeseen expenses, difficulties, complications, delays and other known and unknown factors.We have never generated revenue from product sales and may never achieve or maintain profitability.â€‹We have no products approved for commercial sale and have not generated any revenue from commercial product sales. To become and remain profitable, we must develop and eventually commercialize product candidates with significant market potential, which will require us to be successful in a range of challenging activities. These activities can include completing preclinical studies and initiating and completing clinical trials of our product candidates, obtaining marketing approval for these product candidates, manufacturing, obtaining coverage and adequate reimbursement from government and third-party payors, marketing, distributing, and selling those products that are approved and satisfying any post marketing requirements. We may never succeed in any or all of these activities and, even if we do, we may never generate revenues that are significant or large enough to achieve profitability. Because of the numerous risks and uncertainties associated with pharmaceutical product development, we are unable to accurately predict the timing or amount of increased expenses or when, or if, we will be able to achieve profitability.Even if we do achieve profitability, we may not be able to sustain or increase profitability on a quarterly or annual basis. Our failure to become and remain profitable would decrease the value of our company and could impair our ability to raise capital, maintain our research and development efforts, expand our business or continue our operations. A decline in the value of our company also could cause you to lose all or part of your investment.â€‹44 Table of ContentsWe will need to raise additional funding before we can expect to become profitable from any potential future sales of our products. This additional financing may not be available on acceptable terms, or at all. Failure to obtain this necessary capital when needed may force us to delay, limit, or terminate our product development efforts or other operations.â€‹We will require substantial future capital in order to complete planned and future preclinical and clinical development for our portfolio of product candidates and potentially commercialize these product candidates, if approved. If our product portfolio progresses into later stage clinical trials, or our current preclinical product candidates progress into the clinical trial stage, we expect our spending levels to significantly increase in connection with our continued clinical trial activities and production of our clinical product candidatesâ€™ supply. In addition, if we obtain marketing approval for any of our product candidates, we expect to incur significant expenses related to product sales, medical affairs, marketing, manufacturing and distribution. Furthermore, we expect to incur additional costs associated with operating as a public company. Accordingly, we will need to obtain substantial additional funding in connection with our continuing operations. Our ability to raise additional funds also depends on general financial, economic and market conditions as well as other factors, including financial institutions that may experience insolvency or financial distress similar to that experienced by both Silicon Valley Bank and Signature Bank in March 2023, over which we may have no or limited control. If we are unable to raise capital when needed or on acceptable terms, we would be forced to delay, reduce or eliminate certain of our licensing activities, our research and development programs or other operations.Our operations have consumed significant amounts of cash since inception. As of JuneÂ 30,Â 2024, our cash, cash equivalents and marketable securities were $91.8 million. We expect that our existing cash, cash equivalents and marketable securities, combined with the initial payments to be received from the Outlicense Transaction Agreements, will enable us to fund our operating expenses and capital expenditure requirements to the end of the second quarter of 2026. However, we have based this estimate on assumptions that may prove to be wrong, and our operating plan may change as a result of factors currently unknown to us. As a result, we could deplete our capital resources sooner than we currently expect. Our future capital requirements will depend on many factors, including:â—the scope, timing, progress and results of discovery, preclinical development, laboratory testing and clinical trials for our product candidates;â—the expenses of manufacturing our product candidates for clinical trials and in preparation for marketing approval and commercialization;â—the extent to which we enter into collaborations or other arrangements with additional third parties in order to further develop our product candidates;â—the expenses of preparing, filing and prosecuting patent applications, maintaining and enforcing our intellectual property rights and defending intellectual property-related claims;â—the expenses and fees associated with the discovery, acquisition or in-license of additional product candidates or technologies;â—our ability to establish collaborations on favorable terms, if at all;â—the expenses required to scale up our clinical, regulatory and manufacturing capabilities;â—the expenses of future commercialization activities, if any, including establishing sales, marketing, manufacturing and distribution capabilities, for any of our product candidates for which we receive marketing approval;â—the availability of coverage and adequate reimbursement from government and third-party payors for our product candidates for which we receive marketing approval; andâ—revenue, if any, received from commercial sales of our product candidates, should any of our product candidates receive marketing approval.â€‹Accordingly, we will need to continue to rely on additional financing to achieve our business objectives, which may not be available to us on acceptable terms, or at all. For example, we are party to the Sales Agreement with Cowen relating to the sale and issuance, from time to time, shares of our common stock in at-the-market equity offerings with an aggregate offering price up to $125.0 million, or the ATM Facility. $9.0 million of shares of our common stock have been sold under the ATM Facility as of June 30, 2024.45 Table of ContentsWe may seek additional capital due to favorable market conditions or strategic considerations, even if we believe we have sufficient funds for our current or future operating plans. If adequate funds are not available to us on a timely basis or on terms acceptable to us, we may be required to delay, limit, reduce or terminate preclinical studies, clinical trials or other development activities for one or more product candidates or discovery stage programs or delay, limit, reduce or terminate our establishment of sales and marketing capabilities or other activities that may be necessary to commercialize any product candidates, if approved.Raising additional capital may cause dilution to our stockholders, restrict our operations or require us to relinquish rights to our technologies or product candidates.â€‹Until such time, if ever, as we can generate substantial product revenues, we expect to finance our cash needs through a combination of equity offerings, debt financings, collaborations, strategic alliances and marketing, distribution or licensing arrangements. We do not have any committed external source of funds. To the extent that we raise additional capital through the sale of equity or securities convertible into equity, your ownership interest will be diluted, and the terms of these securities may include liquidation or other preferences that adversely affect your rights as a common stockholder. Debt financing and preferred equity financing, if available, may involve agreements that include covenants limiting or restricting our ability to take specific actions, such as incurring additional debt, selling or licensing our assets, making capital expenditures or declaring dividends.If we raise additional funds through collaborations, strategic alliances or marketing, distribution or licensing arrangements with third parties, we may have to relinquish valuable rights to our technologies, future revenue streams, research programs or product candidates or grant licenses on terms that may not be favorable to us. If we are unable to raise additional funds through equity or debt financings when needed or on terms acceptable to us, we may be required to delay, limit, reduce or terminate our product development or future commercialization efforts or grant rights to develop and market product candidates that we would otherwise prefer to develop and market ourselves.Risks Related to Product Development and Regulatory Approvalâ€‹PBFT02 is currently our sole clinical stage product candidate and we may not be able to successfully develop and commercialize PBFT02.We are currently dependent on the potential development of a single clinical product candidate, PBFT02. We are still developing our sole clinical product candidate, and PBFT02 cannot be marketed or sold in the United States or in foreign markets until regulatory approval has been obtained from the FDA or applicable foreign regulatory agencies. The process of obtaining regulatory approval is expensive and time consuming. The FDA and foreign regulatory authorities may never approve PBFT02 for sale and marketing, and even if PBFT02 is ultimately approved, regulatory approval may be delayed or limited in the United States or in other jurisdictions. Even if we are authorized to sell and market PBFT02 in one or more markets, there is no assurance that we will be able to successfully market PBFT02 or that PBFT02 will achieve market acceptance sufficient to generate profits. If we are unable to successfully develop and commercialize PBFT02 due to failure to obtain regulatory approval for PBFT02, to successfully market PBFT02 or, to generate profits from the sale of PBFT02 due to other risk factors outlined in this report, it would have material adverse effects on our business, financial condition, and results of operations.We are early in our development efforts. Our business is dependent on our ability to advance our current and future product candidates through preclinical studies and clinical trials, obtain marketing approval and ultimately commercialize them. If we are unable, or experience significant delays in doing so, our business will be materially harmed.â€‹We are early in our clinical development efforts and our clinical product candidates are in early phase clinical trials. Additionally, we have a portfolio of programs that are in different stages of preclinical development and some may never advance to clinical stage development. Our ability to generate product revenue, which we do not expect will occur for many years, if ever, will depend heavily on the successful development and eventual commercialization of our product candidates, which may never occur. We currently generate no revenue from sales of any product and we may never be able to develop or commercialize a marketable product.46 Table of ContentsEach of our programs and product candidates will require additional preclinical and/or clinical development, regulatory approval in multiple jurisdictions, obtaining manufacturing supply, capacity and expertise, building a commercial organization or successfully outsourcing commercialization, substantial investment and significant marketing efforts before we generate any revenue from product sales. Our product candidates must be authorized for marketing by the FDA, or certain other ex-U.S. regulatory agencies before we may commercialize our product candidates.The clinical and commercial success of our product candidates will depend on several factors, including the following:â—timely and successful completion of preclinical studies, including toxicology studies, biodistribution studies, biocompatibility studies and minimally efficacious dose studies in animals, where applicable;â—effective INDs or comparable foreign applications that allow commencement of our planned clinical trials or future clinical trials for our product candidates;â—successful enrollment and completion of clinical trials, including under the international current Good Clinical Practices, or cGCPs, and current Good Laboratory Practices, or GLPs;â—positive results from our current and future clinical programs that support a finding of safety and effectiveness and an acceptable benefit-risk profile of our product candidates in the intended populations;â—receipt of marketing approvals from applicable regulatory authorities;â—establishment of arrangements with third-party manufacturers or our own facilities for clinical supply and, where applicable, commercial manufacturing capabilities;â—establishment and maintenance of patent and trade secret protection or regulatory exclusivity for our product candidates;â—commercial launch of our product candidates, if approved, whether alone or in collaboration with others;â—acceptance of the benefits and use of our product candidates, including method of administration, if and when approved, by patients, the medical community and third-party payors;â—effective competition with other therapies;â—establishment and maintenance of healthcare coverage and adequate reimbursement and patientsâ€™ willingness to pay out-of-pocket in the absence of such coverage and adequate reimbursement;â—establishment of a physician training system and network for administration of our product candidates by administration into the ICM;â—enforcement and defense of intellectual property rights and claims; andâ—maintenance of a continued acceptable safety, tolerability and efficacy profile of our product candidates following approval.â€‹If we do not succeed in one or more of these factors in a timely manner or at all, we could experience significant delays or an inability to successfully commercialize our product candidates, which would materially harm our business. If we are unable to advance our product candidates to clinical development, obtain regulatory approval and ultimately commercialize our product candidates, or experience significant delays in doing so, our business will be materially harmed.Preclinical and clinical development involve lengthy and expensive processes with uncertain outcomes. We may incur additional expenses or experience delays in completing, or ultimately be unable to complete, the development and commercialization of our current product candidates or any future product candidates.â€‹All of our product candidates are in clinical or preclinical development and their risk of failure is high. We also rely on third-parties, such as Gemma, for our preclinical and IND-enabling studies. It is impossible to predict when or if any of our product candidates will receive regulatory approval. To obtain the requisite regulatory approvals to commercialize any product candidates, we must demonstrate through extensive preclinical studies and lengthy, complex and expensive clinical trials that our product candidates are safe and effective in humans. Clinical testing can take many years to complete, and its outcome is inherently uncertain. We will rely on contract laboratories and other third parties, or our CROs, for the clinical development of our clinical product candidates. Failure can occur at any time during the clinical trial process. The results of preclinical studies and early clinical trials or early cohorts of our clinical trials of our product candidates, including early biomarker data, may not be predictive of the results of later-stage clinical trials or later cohorts of our clinical trials. Early clinical trials and in particular initial cohorts of early clinical trials often enroll 47 Table of Contentssignificantly fewer patients than later stage clinical trials or later cohorts of the same clinical trial and may not be as predictive as larger trials. We may be unable to establish clinical endpoints that

applicable regulatory authorities would consider clinically meaningful or come to agreement on other aspects of clinical trial design. Moreover, a clinical trial can fail at any stage of testing. Differences in trial design between early-stage clinical trials and later-stage clinical trials make it difficult to extrapolate the results of earlier clinical trials to later clinical trials. Moreover, clinical data are often susceptible to varying interpretations and analyses, and many companies that have believed their product candidates performed satisfactorily in clinical trials have nonetheless failed to obtain marketing approval of their products. A number of companies in the biotechnology industry have suffered significant setbacks in advanced clinical trials due to lack of efficacy or to unfavorable safety profiles, notwithstanding promising results in earlier trials. There is typically a high rate of failure of product candidates proceeding through clinical trials. Most product candidates that commence clinical trials are never approved as products and there can be no assurance that any of our future clinical trials will ultimately be successful or support clinical development of our current or any of our future product candidates.We or our collaborators may experience delays in initiating or completing clinical trials. We or our collaborators also may experience numerous unforeseen events during, or as a result of, any future clinical trials that we could conduct that could delay or prevent our ability to receive marketing approval or commercialize our clinical product candidates or any future product candidates, including:â—regulators, such as the FDA, may place our clinical trials on clinical hold;â—institutional review boards, or IRBs, the FDA or ethics committees may not authorize us or our investigators to commence a clinical trial or conduct a clinical trial at a prospective trial site;â—we may experience delays in reaching, or fail to reach, agreement on acceptable terms with prospective trial sites and prospective CROs the terms of which can be subject to extensive negotiation and may vary significantly among different CROs and trial sites;â—clinical trial sites deviating from trial protocol or dropping out of a trial;â—novel therapies, such as gene therapies with less well-characterized safety profiles, may require slower or more staggered early clinical trial enrollment to adequately assess safety data;â—clinical trials of any product candidates may fail to show safety or efficacy, produce negative or inconclusive results and we may decide, or regulators may require us, to conduct additional preclinical studies or clinical trials or we may decide to abandon product development programs;â—the number of subjects required for clinical trials of any product candidates may be larger than we anticipate, enrollment in these clinical trials may be slower than we anticipate or subjects may drop out of these clinical trials or fail to return for post-treatment follow up at a higher rate than we anticipate;â—our third-party contractors may fail to comply with regulatory requirements or meet their contractual obligations to us in a timely manner, or at all, or may deviate from the clinical trial protocol or drop out of the trial, which may require that we add new clinical trial sites or investigators;â—we may elect to, or regulators, IRBs, or ethics committees may require that we or our investigators, suspend or terminate clinical research or trials for various reasons, including noncompliance with regulatory requirements or a finding that the participants in our trials are being exposed to unacceptable health risks;â—the related expenses of clinical trials of any of our product candidates may be greater than we anticipate;â—the quality of our product candidates or other materials necessary to conduct clinical trials of our product candidates may be inadequate to initiate or complete a given clinical trial;â—our inability to manufacture sufficient quantities of our product candidates for use in clinical trials;â—reports from clinical testing of other therapies may raise safety or efficacy concerns about our product candidates;â—our failure to establish an appropriate safety profile for a product candidate based on clinical or preclinical data for such product candidate as well as data emerging from other molecules in the same class as our product candidate; andâ—the FDA or ex-U.S. regulatory agencies may require us to submit additional data such as long-term toxicology studies or impose other requirements before permitting us to initiate a clinical trial.â€‹48 Table of ContentsPatient enrollment, a significant factor in the timing of clinical trials, is affected by many factors including: the size and nature of the patient population; the number and location of clinical sites we enroll; the proximity of patients to clinical sites; the eligibility and exclusion criteria for the trial; the design of the clinical trial; the inability to obtain and maintain patient consents; the risk that enrolled participants will drop out before completion; and competing clinical trials and cliniciansâ€™ and patientsâ€™ perceptions as to the potential advantages of the product candidate being studied in relation to other available therapies, including any new drugs or therapeutic biologics that may be approved for the indications being investigated by us. Furthermore, we expect to rely on our collaborators, CROs and clinical trial sites to ensure the proper and timely conduct of our future clinical trials, including the patient enrollment process, and we have limited influence over their performance. Additionally, we could encounter delays if treating physicians encounter unresolved ethical issues associated with enrolling patients in future clinical trials of our product candidates in lieu of prescribing existing treatments that have established safety and efficacy profiles. For example, treating physicians with eligible patients for our upliFT-D trial may instead elect to use alternative treatment approaches from our competitors, if such competitors are to receive regulatory approval in advance of our program, in lieu of enrolling in our clinical trial.â€‹We could also encounter delays if a clinical trial is suspended or terminated by us, the IRBs of the institutions in which such trials are being conducted, or the FDA or other regulatory authorities, or if a clinical trial is recommended for suspension or termination by the Independent Data Monitoring Committee for such trial. A suspension or termination may be imposed due to a number of factors, including: failure to conduct the clinical trial in accordance with regulatory requirements or our clinical protocols; inspection of the clinical trial operations or trial site by the FDA or other regulatory authorities resulting in the imposition of a clinical hold; unforeseen safety issues or adverse side effects; failure to demonstrate a benefit from using a product or treatment; failure to establish or achieve clinically meaningful trial endpoints; changes in governmental regulations or administrative actions; or lack of adequate funding to continue the clinical trial. Clinical studies may also be delayed or terminated as a result of ambiguous or negative interim results. Many of the factors that cause, or lead to, a delay in the commencement or completion of clinical trials may also ultimately lead to the denial of regulatory approval of our product candidates. Further, the FDA or other regulatory authorities may disagree with our clinical trial design and our interpretation of data from clinical trials, or may change the requirements for approval even after they have reviewed and commented on the design for our clinical trials.Our product development expenses will increase if we experience delays in clinical testing or marketing approvals. We do not know whether any of our clinical trials will begin as planned, will need to be restructured or will be completed on schedule, or at all. Significant clinical trial delays also could shorten any periods during which we may have the exclusive right to commercialize our product candidates and may allow our competitors to bring products to market before we do, potentially impairing our ability to successfully commercialize our product candidates and harming our business and results of operations. Any delays in our clinical development programs may harm our business, financial condition and results of operations significantly.Success in early preclinical studies or clinical trials may not be indicative of results obtained in later preclinical studies and clinical trials.â€‹Conducting preclinical testing is a lengthy, time-consuming and expensive process. The length of time of such testing may vary substantially according to the type, complexity and novelty of the program, and often can be several years or more per program. Delays associated with programs for which we are conducting preclinical testing and studies may cause us to incur additional operating expenses. We may experience unexpected or adverse results in our ongoing or future clinical trials. We will be required to demonstrate through adequately designed and executed clinical trials that our product candidates are safe and effective, with a favorable benefit-risk profile, for use in their target indications before we can seek regulatory approvals for their commercial sale. Our current clinical trial for PBFT02 in FTD-GRN patients has relatively small cohorts and results experienced to date may not be indicative of future success. If safety issues arise, we may be delayed or prevented from expanding into subsequent phases of our trial. Earlier gene therapy clinical trials conducted by others also utilized AAV vectors. However, these studies should not be relied upon as evidence that our planned clinical trials will succeed. Trial designs and results from previous trials are not necessarily predictive of our future clinical trial designs or results, and initial positive results we may observe may not be confirmed upon full analysis of the complete trial data. In addition, the positive results we have observed for our product candidates in preclinical animal models may not be predictive of our future clinical trials in humans. Our product candidates may also 49 Table of Contentsfail to show the desired safety and efficacy in later stages of clinical development even if they successfully advance through initial clinical trials.Preliminary, topline or interim data from our clinical trials that we or our partners announce or publish from time to time may change as more patient data become available and are subject to audit and verification procedures that could result in material changes in the final data.â€‹From time to time, we have made, and may continue to make, public preliminary, topline or interim data from our clinical trials, including preliminary biomarker data. Preliminary or topline data from clinical trials remain subject to audit and verification procedures that may result in the final data being materially different from the preliminary or topline data that were previously made public. Interim data from clinical trials that we may complete are also subject to the risk that one or more of the clinical outcomes may materially change as subject enrollment continues and more data become available. As a result, preliminary, topline and interim data should be viewed with caution until the final data are available. Adverse differences between preliminary, topline or interim data and final data could significantly harm our reputation and business prospects.If we do not achieve our projected development goals in the time-frames we announce and expect, the commercialization of our products may be delayed.â€‹From time to time, we estimate the timing of the accomplishment of various scientific, clinical, regulatory, manufacturing and other product development goals, which we sometimes refer to as milestones. These milestones may include the commencement or completion of preclinical studies and clinical trials, the release of data from such studies and the submission of regulatory filings, including IND submissions. From time to time, we may publicly announce the expected timing of some of these milestones. All of these milestones are, and will be, based on a variety of assumptions. The actual timing of these milestones can vary significantly compared to our estimates, in some cases for reasons beyond our control. We may experience numerous unforeseen events during, or as a result of, any future clinical trials that we conduct that could delay or prevent our ability to receive marketing approval or commercialize our product candidates.Gene therapy is a novel technology, which makes it difficult to predict the time and cost of product candidate development and subsequently obtaining regulatory approval. Currently, only a limited number of gene therapy products have been approved in the United States and in foreign countries.â€‹Our current product candidates are based on gene therapy technology and our future success depends on the successful development of this novel therapeutic approach. The regulatory requirements that govern any novel gene therapy product candidates we develop are not entirely clear and are subject to change. The clinical study requirements of the FDA and ex-U.S. regulatory agencies and the criteria these regulators use to determine the safety and efficacy of a product candidate vary substantially according to the type, complexity, novelty and intended use and market of the potential products. The regulatory approval process for novel product candidates such as ours may be more expensive and take longer than for other, better known or extensively studied product candidates. Further, as we are developing novel treatments for diseases in which there is little clinical experience with new endpoints and methodologies, there is heightened risk that the FDA or comparable foreign regulatory bodies may not consider the clinical trial endpoints to provide clinically meaningful results, and the resulting clinical data and results may be more difficult to analyze. To date, only a limited number of gene therapy products have been approved in the United States and foreign countries, which makes it difficult to determine how long it will take or how much it will cost to obtain regulatory approvals for our product candidates in the United States or other jurisdictions. Further, approvals by ex-U.S. regulatory agency may not be indicative of what the FDA may require for approval, or vice versa.Our product candidates may cause undesirable and unforeseen side effects, which could delay or prevent their advancement into clinical trials or regulatory approval, limit the commercial potential or result in significant negative consequences.â€‹While new AAV vectors have been developed to reduce side effects previously reported in third-party gene therapy treatments, gene therapy is still a relatively new approach to disease treatment and additional adverse side effects could 50 Table of Contentsdevelop. There also is the potential risk of delayed adverse events following exposure to gene therapy products due to persistent biologic activity of the genetic material or other components of products used to carry the genetic material.For example, Patient 1 in our upliFT-D trial, who received a low level of immunosuppression (60 mg oral prednisone daily for 60 days), per the initial trial protocol, experienced two serious adverse events that were both asymptomatic and likely consistent with an immune response. Subsequently, we amended the protocol to increase the steroid regimen. Additional possible adverse side effects could occur that may substantially limit the effectiveness of the treatment. For example, in previous third-party clinical trials involving AAV vectors for gene therapy, some subjects experienced the development of a T-cell immune response, whereby after the vector is within the target cells, the cellular immune response system triggers the removal of transduced cells by activated T-cells. Other recent clinical trials involving high doses of AAV vectors have also resulted in liver damage and death. Further, following administration of any AAV vector, patients are likely to develop neutralizing antibodies specific to the vector administered. Other preclinical studies have suggested that high dosages of AAV administration may result in toxicity due to degeneration of the dorsal root ganglia. Preliminary results of our NHP toxicology studies for our PBFT02 product candidate have demonstrated trigeminal ganglia and dorsal root ganglia toxicity. Based on these results, and if our vectors demonstrate a similar effect in other programs, we may decide or be required to perform additional preclinical studies or to halt or delay further clinical development of our product candidates.In addition to side effects caused by the product candidate, the administration process or related procedures also can cause adverse side effects. Each of our clinical product candidates are expected to utilize ICM administration. While this method of administration has been available for decades, its use for therapies is relatively new, no therapies are currently approved using ICM administration, and it may be perceived as having greater risk than more common methods of administration, such as intravenous injection. If any such adverse events occur, our clinical trials could be suspended or terminated. If we cannot demonstrate that any adverse events were not caused by the drug or administration process or related procedures, the FDA or ex-U.S. regulatory authorities could order us to cease further development of, or deny approval of, our product candidates for any or all targeted indications. Even if we are able to demonstrate that all future serious adverse events are not product related, such occurrences could affect patient recruitment or the ability of enrolled patients to complete the trial. Moreover, if we elect, or are required, to not initiate, delay, suspend or terminate any future clinical trial of any of our product candidates, the commercial prospects of such product candidates may be harmed and our ability to generate product revenues from any of these product candidates may be delayed or eliminated. Any of these occurrences may harm our ability to develop other product candidates, and may harm our business, financial condition and prospects significantly.Additionally, if any of our product candidates receives marketing approval, the FDA could require us to adopt a Risk Evaluation and Mitigation Strategies, or REMS, to ensure that the benefits of the product outweigh its risks, which may include, among other things, a Medication Guide outlining the risks of the product for distribution to patients and a communication plan to health care practitioners. Furthermore, if we or others later identify undesirable side effects caused by our product candidate, several potentially significant negative consequences could result, including:â—regulatory authorities may suspend or withdraw approvals of such product candidate;â—regulatory authorities may require additional warnings in the labeling;â—we may be required to change the way a product candidate is administered or conduct additional clinical trials;â—we could be sued and held liable for harm caused to patients; andâ—our reputation may suffer.â€‹Any of these occurrences may harm our business, financial condition and prospects significantly.Adverse public perception of genetic medicines may negatively impact regulatory approval of, and/or demand for, our potential products.â€‹Regulatory approval of and/or demand for our potential products will depend in part on public acceptance of the use of genetic medicine for the prevention or treatment of human diseases. Public attitudes may be influenced by claims that genetic medicines are unsafe, unethical or immoral, and consequently, our products may not gain the acceptance of the 51 Table of Contentspublic or the medical community. Adverse public attitudes may adversely impact our ability to enroll clinical trials. Moreover, our success will depend upon physicians prescribing, their patients being willing to receive, and third-party payors being willing to cover and reimburse for treatments that involve the use of product candidates we may develop.There have been several significant adverse side effects reported in genetic medicine treatments in the past. For example, in 1999, there was public backlash against gene therapy following the death of a clinical trial subject in a gene therapy clinical trial that utilized an adenovirus vector. It was later discovered that adenoviruses could generate an extreme immune system reaction that can be life threatening. Dr.Â Wilson, who also serves as a consultant to the Company as Scientific Advisor, was a co-investigator of the 1999 trial while he was Director of the Institute for Human Gene Therapy of Penn. Serious adverse events in our clinical trials, or other clinical trials involving gene therapy by us or our competitors, even if not ultimately attributable to the relevant product candidates, and the resulting publicity, could result in increased government regulation, unfavorable public perception and potential regulatory delays in the clinical testing or approval of our product candidates.As an organization, we have limited experience designing and implementing clinical trials and we have never conducted pivotal clinical trials. Failure to adequately design a trial, or incorrect assumptions about the design of the trial, could adversely affect the ability to initiate the trial, enroll patients, complete the trial, or obtain regulatory approval on the basis of the trial results, as well as lead to increased or unexpected costs.â€‹The design and implementation of clinical trials is a complex process. As an organization, we have limited experience designing and implementing clinical trials, and we may not successfully or cost effectively design and implement clinical trials that achieve our desired clinical endpoints efficiently, or at all. A clinical trial that is not well designed may delay or even prevent initiation of the trial, can lead to increased difficulty in enrolling patients, may make it more difficult to obtain regulatory approval for the product candidate on the basis of the study results, or, even if a product candidate is approved, could make it more difficult to commercialize the product successfully or obtain reimbursement from third-party payors. Additionally, a trial that is not well designed could be inefficient or more expensive than it otherwise would have been, or we may incorrectly estimate the related expenses to implement the clinical trial, which could lead to a shortfall in funding.Certain disorders we seek to

treat have low incidence and prevalence, and it may be difficult to identify patients with these disorders, which may lead to delays in enrollment for our trials or slower commercial revenue if approved.â€‹Genetically defined disorders generally, and especially those for which certain of our current product candidates are targeted, have low incidence and prevalence. For example, we estimate the prevalence of FTD-GRN deficiency in the United States and Europe is approximately 18,000. This could be a significant obstacle to the timely recruitment and enrollment of a sufficient number of eligible patients into our trial. Further, we expect to rely in part on our relationships with patient advocacy groups to assist in identifying eligible patients, and any deterioration of those relationships could impede our ability to successfully enroll patients. Patient enrollment may be affected by other factors including:â—the severity of the disease under investigation;â—design of the study protocol;â—the eligibility criteria for the trial;â—the perceived risks, benefits and convenience of administration of the product candidate being studied;â—our efforts to facilitate timely enrollment in clinical trials;â—the availability of other clinical trials being conducted for the same indication;â—the patient referral practices of physicians; andâ—the proximity and availability of clinical trial sites to prospective patients.â€‹Our inability to enroll a sufficient number of patients with these diseases for our planned clinical trials, including FTD-GRN, would result in significant delays and could require us to not initiate or abandon one or more clinical trials altogether. Enrollment delays in our clinical trials may result in increased development costs for our product candidates, which would cause the value of our company to decline and limit our ability to obtain additional financing.52 Table of ContentsAdditionally, our projections of the number of people who have these disorders, including FTD-GRN, are based on estimates, including third-party analyses commissioned by us. The total addressable market opportunity for our product candidates will ultimately depend upon, among other things, the final approved product labeling for each of our product candidates, if our product candidates are approved for sale in our target indications, acceptance by the medical community and patient access, drug pricing and reimbursement. The number of patients globally may turn out to be lower than expected, patients may not be otherwise amenable to treatment with our products, or new patients may become increasingly difficult to identify or gain access to, all of which would adversely affect our results of operations and our business. Our products may potentially be dosed on a one-time basis, which means that patients who enroll in our clinical trials may not be eligible to receive our products on a commercial basis if they are approved, leading to lower revenue potential.Even if we complete the necessary clinical trials, we cannot predict when, or if, we will receive regulatory approval to commercialize a product candidate and the approval may be for a more narrow indication than we seek.â€‹Prior to commercialization, our product candidates must be approved by the FDA pursuant to a Biologics License Application, or BLA, in the United States and by similar ex-U.S. regulatory authorities. The process of obtaining marketing approvals, both in the United States and abroad, is expensive and takes manyÂ years, if approval is obtained at all, and can vary substantially based upon a variety of factors, including the type, complexity and novelty of the product candidates involved. Failure to obtain marketing approval for a product candidate will prevent us from commercializing the product candidate. We have not received approval to market any of our product candidates from regulatory authorities in any jurisdiction. Our company does not have experience in submitting and supporting the applications necessary to gain marketing approvals. Securing marketing approval requires the submission of extensive preclinical and clinical data and supporting information to regulatory authorities for each therapeutic indication to establish the product candidateâ€™s safety and efficacy. Securing marketing approval also requires the submission of information about the product manufacturing process to, and inspection of manufacturing facilities by, the regulatory authorities. Our product candidates may not be effective, may be only moderately effective or may prove to have undesirable or unintended side effects, toxicities or other characteristics that may preclude our obtaining marketing approval or prevent or limit commercial use. Regulatory authorities have substantial discretion in the approval process and may refuse to accept any application or may decide that our data are insufficient for approval and require additional preclinical, clinical or other studies. In addition, varying interpretations of the data obtained from preclinical and clinical testing could delay, limit or prevent marketing approval of a product candidate.Approval of our product candidates may be delayed or refused for many reasons, including the following:â—the FDA or comparable foreign regulatory authorities may disagree with the design or implementation of our clinical trials, including the methods for collecting and analyzing data, the statistical analysis plan, and the lack of a concurrent control arm or a decision to use external or historical controls;â—the FDA or comparable foreign regulatory authorities may not agree that the efficacy endpoints used in our clinical trials are appropriate to establish clinical benefit in the intended populations;â—we may be unable to demonstrate to the satisfaction of the FDA or comparable foreign regulatory authorities that our product candidates are safe and effective for any of their proposed indications;â—development of products for ultra rare diseases may involve the use of natural history data as an external control. We may be unable to demonstrate to the satisfaction of the FDA or comparable foreign regulatory authorities that the control arm(s) are adequate to establish the safety and/or effectiveness of our product candidates;â—the results of clinical trials may not meet the level of statistical significance required by the FDA or comparable foreign regulatory authorities for approval;â—we may be unable to demonstrate to the FDA or comparable foreign regulatory authorities a durable response to our product candidates;â—we may be unable to demonstrate that our product candidatesâ€™ clinical and other benefits outweigh their safety risks;â—the FDA or comparable foreign regulatory authorities may disagree with our interpretation of data from preclinical programs or clinical trials;53 Table of Contentsâ—the data collected from clinical trials of our product candidates may not be sufficient to support the submission of a BLA or other comparable submission in foreign jurisdictions or to obtain regulatory approval in the United States or elsewhere;â—the facilities of the third-party manufacturers with which we contract may not be adequate to support approval of our product candidates;â—the approval policies or regulations of the FDA or comparable foreign regulatory authorities may significantly change in a manner rendering our clinical data insufficient for approval; andâ—even if our product candidates meet their safety and efficacy endpoints in clinical trials, the regulatory authorities may not complete their review processes in a timely manner, or we may not be able to obtain regulatory approval. Additional delays may result if an FDA Advisory Committee or other regulatory authority recommends non-approval or restrictions on approval. In addition, we may experience delays or rejections based upon additional government regulation from future legislation or administrative action, or changes in regulatory authority policy during the period of product development, clinical trials and the review process.â€‹Regulatory authorities also may approve a product candidate for more limited indications than requested or they may impose significant limitations in the form of narrow indications, warnings or REMS.Â These regulatory authorities may require precautions or contra indications with respect to conditions of use or they may grant approval subject to the performance of costly post-marketing clinical trials. In addition, regulatory authorities may not approve the product labeling claims that are necessary or desirable for the successful commercialization of our product candidates. Any of the foregoing scenarios could materially harm the commercial prospects for our product candidates and materially and adversely affect our business, financial condition, results of operations and prospects.Further, the regulatory authorities may require concurrent approval of a companion diagnostic device. For our product candidates, it may be necessary to use FDA-cleared or FDA-approved diagnostic tests to diagnose patients or to assure the safe and effective use of product candidates in trial subjects. The FDA refers to such tests as in vitro companion diagnostic devices. The FDA has issued guidance describing the agencyâ€™s current thinking about the development and regulation of in vitro companion diagnostic devices. The final guidance articulates a policy position that, when an in vitro diagnostic device is essential to the safe and effective use of a therapeutic product, the FDA generally will require approval or clearance of the diagnostic device at the same time that the FDA approves the therapeutic product. At this point, it is unclear how the FDA will apply this policy to our current or future gene therapy product candidates. Should the FDA deem genetic tests used for diagnosing patients for our therapies to be in vitro companion diagnostics requiring FDA clearance or approval, we may face significant delays or obstacles in obtaining approval of a BLA for our product candidates.The FDA and ex-U.S. regulatory agencies have demonstrated caution in their regulation of gene therapy treatments. Ethical and legal concerns about gene therapy and genetic testing may result in additional regulations or restrictions on the development and commercialization of our product candidates, which may be difficult to predict.â€‹The FDA and ex-U.S. regulatory agencies at both the federal and state level in the United States, U.S. congressional committees, and foreign governments, have expressed interest in further regulating the biotechnology industry, including gene therapy and genetic testing. Any such further regulation may delay or prevent commercialization of some or all of our product candidates.Regulatory requirements in the United States and abroad governing gene therapy products have changed frequently and may continue to change in the future. In addition to the FDA, the Institutional Biosafety Committee and IRB of each institution at which we conduct our planned clinical trials, would need to review the proposed clinical trial to assess the safety of the trial. Within the FDA, the Office of Tissues and Advanced Therapies, within the Center for Biologics Evaluation and Research, or CBER, consolidates the review of gene therapy and related products, and the Cellular, Tissue and Gene Therapies Advisory Committee advises CBER on its review. Adverse developments in clinical trials of gene therapy products conducted by others may cause the FDA or other oversight bodies to change the requirements for approval of any of our product candidates.54 Table of ContentsThese regulatory review committees and advisory groups and the new guidelines they promulgate may lengthen the regulatory review process, require us to perform additional studies or trials, increase our development costs, lead to changes in regulatory positions and interpretations, delay or prevent approval and commercialization of our product candidates or lead to significant post-approval limitations or restrictions. As we advance our product candidates, we will be required to consult with these regulatory and advisory groups and comply with applicable guidelines. If we fail to do so, we may be required to delay or discontinue development of such product candidates. These additional processes may result in a review and approval process that is longer than we otherwise would have expected. Delays as a result of an increased or lengthier regulatory approval process or further restrictions on the development of our product candidates can be costly and could negatively impact our ability to complete clinical trials and commercialize our current and future product candidates in a timely manner, if at all.Changes in funding for the FDA and other government agencies could hinder their ability to hire and retain key leadership and other personnel, or otherwise prevent new products and services from being developed or commercialized in a timely manner, which could negatively impact our business.â€‹The ability of the FDA to review and approve new products can be affected by a variety of factors, including government budget and funding levels, ability to hire and retain key personnel and accept the payment of user fees, and statutory, regulatory, and policy changes. In addition, government funding of other government agencies that fund research and development activities is subject to the political process, which is inherently fluid and unpredictable.Disruptions at the FDA and other agencies may also slow the time necessary for new drugs to be reviewed and/or approved by necessary government agencies, which would adversely affect our business. For example, over the last severalÂ years, including for 35Â days beginning on DecemberÂ 22, 2018, the U.S. government has shut down several times and certain regulatory agencies, such as the FDA, have had to furlough critical FDA employees and stop important activities. If a prolonged government shutdown occurs, it could significantly impact the ability of the FDA to timely review and process our regulatory submissions, which could have a material adverse effect on our business.Failure to obtain marketing approval in foreign jurisdictions would prevent our product candidates from being marketed abroad and will limit our ability to realize their full market potential.â€‹In order to eventually market any of our product candidates in any particular foreign jurisdiction, we must establish and comply with numerous and varying regulatory requirements on a jurisdiction by jurisdiction basis regarding safety and efficacy. Approval by the FDA in the United States, if obtained, does not ensure approval by regulatory authorities in other countries or jurisdictions. In addition, clinical trials conducted in one country may not be accepted by regulatory authorities in other countries, and regulatory approval in one country does not guarantee regulatory approval in any other country. Approval processes vary among countries and can involve additional product testing and validation and additional administrative review periods. Seeking foreign regulatory approval could result in difficulties and costs for us and require additional preclinical studies or clinical trials which could be costly and time-consuming. Regulatory requirements can vary widely from country to country and could delay or prevent the introduction of our products in those countries. The foreign regulatory approval process involves all of the risks associated with FDA approval. In addition, gene therapy products are considered genetically modified organism, or GMO, products and are regulated as such in each country. Designation of the type of GMO product and subsequent handling and disposal requirements can vary across countries and is variable throughout the European Union, or EU. Addressing each specific country requirement and obtaining approval to commence a clinical trial in these countries could result in delays in starting, conducting, or completing a clinical trial. We do not have any product candidates approved for sale in any jurisdiction, including international markets, and we do not have experience in obtaining regulatory approval in international markets and expect to rely on third-party consultants. If we fail to comply with regulatory requirements in international markets or to obtain and maintain required approvals, or if regulatory approvals in international markets are delayed, our target market will be reduced and our ability to realize the full market potential of our products will be unrealized.We may not be successful in our efforts to build a pipeline of additional product candidates.â€‹Our business model is centered on developing therapies for patients with CNS disorders by establishing focused selection criteria to select, develop and advance product candidates that we believe will have a higher probability of 55 Table of Contentstechnical and regulatory success through development into commercialization. We may not be able to continue to identify and develop new product candidates in addition to the pipeline of product candidates that we have established through our collaboration with GTP. As a result of the Outlicense Transaction Agreements, we no longer have a collaboration with GTP and instead have a collaboration with Gemma. Even if we are successful in continuing to build our pipeline, the potential product candidates that we identify may not be suitable for clinical development. For example, they may be shown to have harmful side effects or other characteristics that indicate that they are unlikely to be drugs that will receive marketing approval and achieve market acceptance. If we do not successfully develop and commercialize product candidates based upon our approach, we will not be able to obtain product revenue in future periods, which likely would result in significant harm to our financial position and adversely affect our stock price.Risks Related to Our Reliance on Third Partiesâ€‹We currently rely on our collaboration with Gemma for many aspects of our preclinical research and development programs, including for discovering, preclinically developing and conducting IND-enabling studies for our clinical product candidates and our near-term future pipeline of product candidates. Failure or delay of Gemma to fulfill all or part of its obligations to us under the agreement, a breakdown in collaboration between the parties or a complete or partial loss of this relationship could materially harm our business.â€‹As part of the Outlicense Transaction Agreements, we entered into the Gemma Collaboration Agreement with Gemma to discover and develop certain AAV vector based therapeutics, and the products developed under such collaboration currently represent all of our product pipeline and research programs. We currently rely on Gemma for preclinical research and development capabilities for new product candidates. Pursuant to the Gemma Collaboration Agreement, Gemma is responsible for discovery, preclinical development activities, including IND-enabling non-clinical studies and research grade manufacturing and other collaborative activities set forth in the plan for the funded research. Either party has the right in certain circumstances to terminate the collaboration pursuant to the terms of the Gemma Collaboration Agreement. If Gemma delays or fails to perform its obligations under the Gemma Collaboration Agreement, disagrees with our interpretation of the terms of the collaboration or our discovery plan or terminates our existing agreement, our future pipeline of product candidates could be significantly adversely affected and our prospects will be materially harmed.The term of the research funding portion of the Gemma Collaboration Agreement, under which we have the ability to acquire exclusive rights to additional gene therapy products for CNS indications, expires in July 2029. If we seek to extend or alter the terms of our collaboration, we will need to negotiate a new or amended agreement, which may not be available to us on equally favorable terms, if at all. Gemma has also entered into collaborations with third parties, including certain of our competitors, addressing targets and disease indications outside the scope of our collaboration. As a result, Gemma may have competing interests with respect to their priorities and resources. We may have disagreements with Gemma with respect to the interpretation of the Gemma Collaboration Agreement, use of resources or otherwise that could cause our relationship with Gemma to deteriorate. As a result, Gemma may reduce their focus on, and resources allocated to, our programs, potentially delaying or terminating our ability to advance product candidates through preclinical studies. If Dr. Wilson were to leave Gemma or to otherwise no longer be meaningfully involved with us, our preclinical research and development capabilities may be substantially reduced. Additionally, as a newly formed Company, Gemma could face operational and financial challenges that could impact its ability to execute under the Gemma Collaboration Agreement.Further, under the Penn License Agreement and the Gemma Collaboration Agreement, Gemma and Penn are primarily responsible for prosecuting and maintaining our licensed intellectual property, and it may fail to properly prosecute, maintain or defend such intellectual property. In such event, if we are unable to otherwise maintain or defend such intellectual property, we could face the potential invalidation of the intellectual property or be subjected to litigation or arbitration, any of which would be time-consuming and expensive. To enforce the licensed intellectual property rights under the Penn License Agreement, we will need to coordinate with Penn, which could slow down or hamper our ability to enforce our licensed intellectual property rights. In such an event, we could face increased competition that could materially and adversely affect our business.56 Table of ContentsWe rely on third parties to conduct our preclinical studies and clinical trials and rely on them to perform other tasks for us. If these third parties do not successfully carry out their contractual duties, meet expected deadlines or comply with regulatory requirements, we may not be able to obtain regulatory approval for or commercialize our product candidates and our business could be substantially harmed.â€‹Although we have recruited a team that has experience with clinical trials, as a company, we have limited experience in conducting clinical trials. Moreover, we

currently rely on third-parties, now primarily Gemma, for our discovery and certain of our preclinical research, and will continue to rely upon medical institutions, clinical investigators, and CROs to conduct clinical trials for our product candidates. We expect to rely heavily on these parties for execution of preclinical and clinical trials for our product candidates and control only certain aspects of their activities. If these parties reduce the levels of efforts and resources to our product candidate activities, prioritize work with a competitor of ours or if a dispute were to arise between us and these parties, they may not meet our expected deadlines or provide us with sufficient materials for our regulatory filings. Nevertheless, we will be responsible for ensuring that each of our preclinical and clinical trials is conducted in accordance with the applicable protocol, legal and regulatory requirements and scientific standards and our reliance on CROs will not relieve us of our regulatory responsibilities. For any violations of laws and regulations during the conduct of our preclinical studies and clinical trials, we could be subject to warning letters or enforcement action that may include civil penalties up to and including criminal prosecution.We, Gemma, and our CROs will be required to comply with regulations, including cGCPs for conducting, monitoring, recording and reporting the results of preclinical and clinical trials to ensure that the data and results are scientifically credible and accurate and that the trial patients are adequately informed of the potential risks of participating in clinical trials and their rights are protected. These regulations are enforced by the FDA, the Competent Authorities of the Member States of the European Economic Area and comparable foreign regulatory authorities for any drugs in clinical development. The FDA enforces cGCP regulations through periodic inspections of clinical trial sponsors, principal investigators, and trial sites. If we or our CROs fail to comply with applicable cGCPs, the clinical data generated in our clinical trials may be deemed unreliable and the FDA or comparable foreign regulatory authorities may require us to perform additional clinical trials before approving our marketing applications. We cannot assure you that, upon inspection, the FDA will determine that any of our future clinical trials will comply with cGCPs. In addition, our clinical trials must be conducted with product candidates produced in accordance with the requirements in the current Good Manufacturing Practices, or cGMP regulations. Our failure or the failure of our CROs to comply with these regulations may require us to repeat clinical trials, which would delay the regulatory approval process and could also subject us to enforcement action.Although we currently design and intend to continue designing our planned clinical trials for our product candidates, for the foreseeable future CROs will conduct all of our planned clinical trials. As a result, many important aspects of our development programs, including their conduct and timing, will be outside of our direct control. Our reliance on third parties to conduct future preclinical studies and clinical trials will also result in less day-to-day control over the management of data developed through preclinical studies and clinical trials than would be the case if we were relying entirely upon our own staff.If any of our relationships with these third-party CROs terminate, we may not be able to enter into arrangements with alternative CROs. If CROs do not successfully carry out their contractual duties or obligations or meet expected deadlines, if they need to be replaced or if the quality or accuracy of the clinical data they obtain is compromised due to the failure to adhere to our clinical protocols, regulatory requirements or for other reasons, any preclinical studies or clinical trials with which such CROs are associated with may be extended, delayed or terminated. In such cases, we may not be able to obtain regulatory approval for or successfully commercialize our product candidates. As a result, our financial results and the commercial prospects for our product candidates in the subject indication could be harmed, our costs could increase and our ability to generate revenue could be delayed.â€‹57 Table of ContentsWe rely on third parties to conduct our clinical trials. If those third parties do not perform as contractually required, fail to satisfy legal or regulatory requirements, miss expected deadlines or terminate the relationship, our development program could be delayed with potentially material and adverse effects on our business, financial condition, results of operations and prospects.â€‹We rely on third-party clinical investigators, CROs, clinical data management organizations and consultants to assist or provide the design, conduct, supervision and monitoring of clinical trials of our product candidates. Because we rely and intend to rely on these third parties and will not have the ability to conduct all clinical trials independently, we will have less control over the timing, quality and other aspects of clinical trials than we would have had we conducted them on our own. These investigators, CROs and consultants will not be our employees and we will have limited control over the amount of time and resources that they dedicate to our programs. These third parties may have contractual relationships with other entities, some of which may be our competitors, which may draw time and resources from our programs. The third parties with which we may contract might not be diligent, careful or timely in conducting our clinical trials, resulting in the clinical trials being delayed or unsuccessful.If we cannot contract with acceptable third parties on commercially reasonable terms, or at all, or if these third parties do not carry out their contractual duties, satisfy legal and regulatory requirements for the conduct of preclinical studies or clinical trials or meet expected deadlines, our clinical development programs could be delayed and otherwise adversely affected. In all events, we will be responsible for ensuring that each of our preclinical studies and clinical trials are conducted in accordance with the general investigational plan and protocols for the trial as well as applicable legal and regulatory requirements. The FDA generally requires preclinical studies to be conducted in accordance with GLPs and clinical trials to be conducted in accordance with cGCPs, including for designing, conducting, recording and reporting the results of preclinical studies and clinical trials to assure that data and reported results are credible and accurate and that the rights, integrity and confidentiality of clinical trial participants are protected. Our reliance on third parties that we do not control will not relieve us of these responsibilities and requirements. Any adverse development or delay in our preclinical studies or clinical trials as a result of our reliance on third parties could have a material and adverse effect on our business, financial condition, results of operations and prospects.If any of our relationships with these third-party CROs or others terminate, we may not be able to enter into alternative arrangements or to do so on commercially reasonable terms. Switching or adding additional CROs involves additional cost and requires management time and focus. In addition, there is a natural transition period when a new CRO begins work. As a result, delays may occur, which can materially adversely impact our ability to meet our desired clinical development timelines.We have outlicensed our lysosomal pediatric products to Gemma, genetic medicines company, and we may in the future enter into collaborations with other third parties for the discovery, development and commercialization of our product candidates. If any of our current or future collaborators cease development efforts under our collaboration agreements, or if any of those agreements are terminated, these collaborations may fail to lead to commercial products and we may never receive milestone payments or future royalties under these agreements.â€‹Gemma is a newly-formed company with a limited history of operations. If Gemma is not successful in continuing the development and commercialization of the lysosomal pediatric products that we have licensed to them, we will not receive any downstream economic benefit and the products will revert back to us.We may in the future enter into third-party collaborations for research, development and commercialization of other therapeutic technologies or product candidates. Biotechnology companies are our likely future collaborators for any marketing, distribution, development, licensing or broader collaboration arrangements.With Gemma and any future collaboration agreements, we expect to have limited control over the amount and timing of resources that our collaborators dedicate to the development or commercialization of our product candidates. Moreover, our ability to generate revenues from these arrangements will depend on our collaboratorsâ€™ abilities to successfully perform the functions assigned to them in these arrangements.â€‹Our current and potential future collaborations involving our product candidates may pose the following risks to us:58 Table of Contentsâ€‹â—collaborators have significant discretion in determining the efforts and resources that they will apply to these collaborations;â—collaborators may not pursue development and commercialization of our product candidates or may elect not to continue or renew development or commercialization programs based on preclinical studies or clinical trial results, changes in the collaboratorsâ€™ strategic focus or available funding, or external factors such as an acquisition that diverts resources or creates competing priorities;â—collaborators may delay clinical trials, provide insufficient funding for a clinical trial program, stop a clinical trial or abandon a product candidate, repeat or conduct new clinical trials or require a new formulation of a product candidate for clinical testing;â—collaborators could independently develop, or develop with third parties, products that compete directly or indirectly with our product candidates if the collaborators believe that competitive products are more likely to be successfully developed or can be commercialized under terms that are more economically attractive than ours;â—collaborators with marketing and distribution rights to one or more products may not commit sufficient resources to the marketing and distribution of such product or products;â—collaborators may not properly maintain or defend our intellectual property rights or may use our proprietary information in such a way as to invite litigation that could jeopardize or invalidate our intellectual property or proprietary information or expose us to litigation or potential liability;â—collaborators may infringe the intellectual property rights of third parties, which may expose us to litigation, indemnification obligations and potential liability;â—disputes may arise between the collaborators and us that result in the delay or termination of the research, development or commercialization of our product candidates or that result in costly litigation or arbitration that diverts management attention and resources; collaborations may be terminated and, if terminated, may result in a need for additional capital to pursue further development or commercialization of the applicable product candidates;â—if a present or future collaborator of ours were to be involved in a business combination, the continued pursuit and emphasis on our product development or commercialization program under such collaboration could be delayed, diminished or terminated; andâ—collaboration agreements may restrict our right to independently pursue new product candidates.â€‹As a result of the foregoing, our current and any future collaboration agreements may not lead to development or commercialization of our product candidates in the most efficient manner or at all. If a collaborator of ours were to be involved in a business combination, the continued pursuit and emphasis on our product development or commercialization program could be delayed, diminished or terminated. Any failure to successfully develop or commercialize our product candidates pursuant to our current or any future collaboration agreements could have a material and adverse effect on our business, financial condition, results of operations and prospects.Moreover, to the extent that any of our existing or future collaborators were to terminate a collaboration agreement, we may be forced to independently develop our product candidates and research programs, including funding preclinical studies or clinical trials, assuming marketing and distribution costs and maintaining and defending intellectual property rights, or, in certain instances, abandon product candidates altogether, any of which could result in a change to our business plan and have a material adverse effect on our business, financial condition, results of operations and prospects.We may not be successful in finding additional collaborators for continuing development of certain of our product candidates or successfully commercializing or competing in the market for certain indications.â€‹We may decide to pursue collaborations with additional pharmaceutical and biotechnology companies for the development and potential commercialization of some of our product candidates. We face significant competition in seeking appropriate collaborators. Any new collaboration may be on terms that are not optimal for us, and we may not be able to maintain any new collaboration if, for example, development or approval of a product candidate is delayed, sales of an approved product candidate do not meet expectations or the collaborator terminates the collaboration. In addition, a significant number of recent business combinations among large pharmaceutical companies has resulted in a reduced number of potential future collaborators. Whether we reach a definitive agreement for a collaboration will 59 Table of Contentsdepend, among other things, upon our assessment of the collaboratorâ€™s resources and expertise, the terms and conditions of the proposed collaboration and the proposed collaboratorâ€™s evaluation of a number of factors. Those factors may include the design or results of clinical trials, the likelihood of approval by the FDA or similar regulatory authorities outside the United States, the potential market for the subject product candidate, the costs and complexities of manufacturing and delivering such product candidate to patients, the potential of competing drugs, the existence of uncertainty with respect to our ownership of technology, which can exist if there is a challenge to such ownership without regard to the merits of the challenge and industry and market conditions generally. The collaborator may also consider alternative product candidates or technologies for similar indications that may be available to collaborate on and whether such a collaboration could be more attractive than the one with us for our product candidate. The terms of any additional collaborations or other arrangements that we may establish may not be favorable to us.We may also be restricted under existing collaboration agreements from entering into future agreements on certain terms with potential collaborators. Collaborations are complex and time-consuming to negotiate and document. In addition, there have been a significant number of recent business combinations among large pharmaceutical companies that have resulted in a reduced number of potential future collaborators.We may not be able to negotiate additional collaborations on a timely basis, on acceptable terms, or at all. If we are unable to do so, we may have to curtail the development of the product candidate for which we are seeking to collaborate, reduce or delay its development program or one or more of our other development programs, delay its potential commercialization or reduce the scope of any sales or marketing activities, or increase our expenditures and undertake development or commercialization activities at our own expense. If we elect to increase our expenditures to fund development or commercialization activities on our own, we may need to obtain additional capital, which may not be available to us on acceptable terms or at all. If we do not have sufficient funds, we may not be able to further develop our product candidates or bring them to market and generate product revenue.We may have conflicts with our collaborators that could delay or prevent the development or commercialization of our product candidates.â€‹We may have conflicts with our collaborators, including Penn and Gemma, such as conflicts concerning the interpretation of preclinical or clinical data, the achievement of milestones, the interpretation of contractual obligations, payments for services, development obligations or the ownership of intellectual property developed during our collaboration. If any conflicts arise with any of our collaborators, such collaborator may act in a manner that is adverse to our best interests. Any such disagreement could result in one or more of the following, each of which could delay or prevent the development or commercialization of our product candidates, and in turn prevent us from generating revenues: unwillingness on the part of a collaborator to pay us milestone payments or royalties we believe are due to us under a collaboration, which could require us to raise additional capital; uncertainty regarding ownership of intellectual property rights arising from our collaborative activities, which could prevent us from entering into additional collaborations; unwillingness by the collaborator to cooperate in the development or manufacture of the product, including providing us with product data or materials; unwillingness on the part of a collaborator to keep us informed regarding the progress of its development and commercialization activities or to permit public disclosure of the results of those activities; initiating of litigation or alternative dispute resolution options by either party to resolve the dispute; or attempts by either party to terminate the relevant agreement.We may in the future seek to engage in strategic transactions to acquire or in-license new products, product candidates or technologies. If we are unable to successfully complete, or realize the benefits from, such transactions it may adversely affect our ability to develop and commercialize product candidates, impact our cash position, increase our expenses and present significant distractions to our management.â€‹From time to time, we may consider strategic transactions, such as additional collaborations, acquisitions of companies, asset purchases, joint ventures and in-licensing of new products, product candidates or technologies that we believe will complement or augment our existing business. If we acquire assets with promising markets or technologies, we may not be able to realize the benefit of acquiring such assets if we are not able to successfully integrate them with our existing technologies. We may encounter numerous difficulties in developing, testing, manufacturing and marketing any new 60 Table of Contentsproducts resulting from a strategic acquisition that delay or prevent us from realizing their expected benefits or enhancing our business.We cannot assure you that following any such strategic transaction, we will achieve the expected synergies to justify the transaction. For example, such transactions may require us to incur non-recurring or other charges, increase our near- and long-term expenditures and pose significant integration or implementation challenges or disrupt our management or business. These transactions would entail numerous operational and financial risks, including exposure to unknown liabilities, disruption of our business and diversion of our managementâ€™s time and attention in order to manage a collaboration or develop acquired products, product candidates or technologies, incurrence of substantial debt or dilutive issuances of equity securities to pay transaction consideration or costs, higher than expected acquisition or integration costs, write-downs of assets or goodwill or impairment charges, increased amortization expenses, difficulty and cost in facilitating the transaction or combining the operations and personnel of any acquired business, impairment of relationships with key suppliers, manufacturers or customers of any acquired business due to changes in management and ownership and the inability to retain key employees of any acquired business.Accordingly, although there can be no assurance that we will undertake or successfully complete any transactions of the nature described above, any transactions that we do complete may be subject to the foregoing or other risks and would have a material and adverse effect on our business, financial condition, results of operations and prospects. Conversely, any failure to enter any strategic transaction that would be beneficial to us could delay the development and potential commercialization of our product candidates and have a negative impact on the competitiveness of any product candidate that reaches market.Risks Related to Manufacturingâ€‹Gene therapies are novel, complex and difficult to manufacture. We could experience manufacturing problems that result in delays in our development or commercialization programs or otherwise harm our business.â€‹We currently rely on third parties to develop, manufacture and test clinical supplies of our product candidates, including the materials used to administer our product candidates. For our initial clinical trials, we rely on the manufacturing facility of Catalent Maryland, a unit of Catalent, Inc., or Catalent, for supply of our product candidates. We have limited experience as a company in developing manufacturing facilities. If or when we decide to construct our own manufacturing facility for long-term commercial market supply, we may face delays in building out a plant, constructing new facilities, transferring technology to the facilities or hiring experts to staff and operate the facilities and, accordingly, our production capacity could be limited. We have established internal testing operations supporting our preclinical and clinical manufacturing in addition to using external contract testing labs and established analytical development and process development capabilities

to support our pipeline. The manufacturing processes used to produce our product candidates are complex, novel and have not been validated for commercial use. Many factors could cause production interruptions, including equipment malfunctions, facility contamination, raw material shortages or contamination, natural disasters, disruption in utility services, human error or disruptions in the operations of our suppliers.Our product candidates require processing steps that are more complex than those required for most small molecule drugs. Moreover, unlike small molecules, the physical and chemical properties of a biologic such as ours generally cannot be fully characterized. As a result, assays of the finished product may not be sufficient to ensure that the product is consistent from lot-to-lot or will perform in the intended manner. For example, we have recently developed a potency assay for release of PBFT02 for late-stage clinical studies and commercialization. While we have received initial positive feedback from the FDA on the suitability of our proposed assay, there can be no assurance that this assay will be approved by the FDA or ensure product potency. Accordingly, we employ multiple steps to control the manufacturing process to assure that the process works consistently and the product candidate is made strictly and consistently in compliance with the process. Problems with the manufacturing process, even minor deviations from the normal process, could result in product defects or manufacturing failures that result in lot failures, low lot yields, product recalls, product liability claims or insufficient inventory. As a result, we may encounter problems achieving adequate quantities and quality of clinical-grade materials that meet the FDA or other applicable standards or specifications with consistent and acceptable production yields and costs.61 Table of ContentsIn addition, the FDA and ex-U.S. regulatory authorities may require us to submit samples of any lot of any approved product together with the protocols showing the results of applicable tests at any time. Under some circumstances, the FDA or ex-U.S. regulatory authorities may require that we not distribute a lot until the agency authorizes its release. Slight deviations in the manufacturing process, including those affecting quality attributes and stability, may result in unacceptable changes in the product that could result in lot failures, low lot yields or product recalls. Lot failures, low lot yields or product recalls could cause us to delay product launches or clinical trials, which could be costly to us and otherwise harm our business, financial condition, results of operations and prospects.We, or our third-party collaborators, also may encounter problems hiring and retaining the experienced scientific, quality-control and manufacturing personnel needed to operate our manufacturing processes, which could result in delays in production or difficulties in maintaining compliance with applicable regulatory requirements.Any problems in our, or our third-party collaboratorsâ€™, manufacturing process or facilities could result in delays in our planned clinical trials and increased costs, and could make us a less attractive collaborator for potential partners, including larger biotechnology companies and academic research institutions, which could limit our access to additional attractive development programs. It could also require us to find alternative manufacturing processes, which may be unavailable to us on attractive terms, or at all. Problems in our manufacturing process could restrict our ability to meet potential future market demand for our products.Changes in methods of product candidate manufacturing or formulation may result in additional costs or delay.â€‹As product candidates proceed through preclinical studies to late-stage clinical trials towards potential approval and commercialization, it is common that various aspects of the development program, such as manufacturing methods and formulation, are altered along the way in an effort to optimize processes and results. Such changes carry the risk that they will not achieve these intended objectives. Any of these changes could cause our product candidates to perform differently and affect the results of planned clinical trials or other future clinical trials conducted with the materials manufactured using altered processes. Such changes may also require additional testing, FDA notification or FDA approval. This could delay completion of clinical trials, require the conduct of bridging clinical trials or the repetition of one or more clinical trials, increase clinical trial costs, delay approval of our product candidates and jeopardize our ability to commence sales and generate revenue.We currently rely and expect to continue to rely on third-party manufacturers to produce clinical supply of our product candidates, and we have not entered into binding agreements with any such manufacturers to support commercialization. The competition for gene therapy contract development, manufacturing and testing services is intense. Additionally, these manufacturers do not have experience producing our product candidates at commercial levels and may not achieve the necessary regulatory approvals or produce our product candidates at the quality, quantities, locations and timing needed to support commercialization.While we are in the process of establishing manufacturing capability for certain clinical manufacturing activities, we do not currently plan to independently manufacture most of the material for our planned clinical programs. We currently rely, and expect to continue to rely, on third parties for the production of our preclinical study and planned clinical trial materials, including the materials used to administer our product candidates and, therefore, we can control only certain aspects of their activities. The competition for gene therapy contract development, manufacturing and testing is intense. Reliance on third-party manufacturers may expose us to different risks than if we were to manufacture product candidates ourselves, including but not limited to potential competition from other genetic biotechnology companies for the use of such third-party manufacturers. For example, we currently rely on Catalent to manufacture our clinical supply. However, following the recently announced acquisition of Catalent by Novo Holdings A/S, we may face delays or other risks to our manufacturing process depending on any changes implemented as result of such transaction.While we have secured an agreement with Catalent to manufacture clinical supply of our product candidates, we have not yet secured manufacturing capabilities for commercial quantities of our product candidates. To date, while we have a collaboration agreement with Catalent, we have only entered into agreements with such manufacturer to support our clinical studies. We may be unable to negotiate binding agreements with the manufacturers to support our potential commercialization activities at commercially reasonable terms. In addition, under our current agreements with Catalent, 62 Table of Contents(i) we no longer have exclusive access to the dedicated clean room suite and may not be able to secure future capacity or to meet our requirements for future clinical and commercial supply and (ii) we have an exclusive obligation to manufacture certain products with Catalent and therefore we may be unable to work with other third-party manufacturers. As a result, we may be unable to continue to develop and commercialize our products or product candidates.Before any of our third-party manufacturers and suppliers can begin to commercially manufacture our product candidates, including the materials used to administer our product candidates, they must demonstrate to regulatory authorities that the planned chemistry, manufacturing and controls for our gene therapy product candidates meet certain requirements. Manufacturing of product candidates for clinical and commercial purposes must comply with the cGMP and applicable ex-U.S. regulatory requirements. The cGMP requirements govern quality control and documentation policies and procedures. Complying with cGMP and ex-U.S. regulatory requirements will require that we expend time, money and effort in production, recordkeeping and quality control to assure that our product candidates meet applicable specifications and other requirements. Our third-party manufacturersâ€™ also must demonstrate to the FDA and ex-U.S. regulators that they can make the product candidate in accordance with the cGMP requirements as part of a pre-approval inspection prior to FDA or similar ex-U.S. regulatory approval of the product candidate. Failure to pass a pre-approval inspection might significantly delay our ability to begin trials in the respective jurisdiction and FDA and ex-U.S. regulatory approval of our product candidates. If any of our third-party manufacturers fail to comply with these requirements, we would be subject to possible regulatory action, which could limit the jurisdictions in which we are permitted to sell our products. As a result, our business, financial condition and results of operations may be materially harmed.In addition, our third-party manufacturers may fail to comply with cGMP regulations or similar regulatory requirements outside the United States. Our failure, or the failure of our third-party manufacturers, to comply with applicable regulations could result in sanctions being imposed on us, including clinical holds, fines, injunctions, civil penalties, delays, suspension or withdrawal of approvals, license revocation, seizures or recalls of product candidates or products, operating restrictions and criminal prosecutions, any of which could significantly and adversely affect supplies of our product candidates.Even if our third-party manufacturers comply with applicable regulatory requirements, we cannot assure you that they will be able to successfully manufacture additional product candidates at a larger scale in a timely or economical manner, or at all. If they are unable to successfully increase our manufacturing scale or capacity, the development, testing, and clinical trials of our product candidates may be delayed or infeasible, and regulatory approval or commercial launch of any resulting product may be delayed or not obtained, which could significantly harm our business.Our third-party manufacturers and suppliers use biological materials and may use hazardous materials, and any claims relating to improper handling, storage or disposal of these materials could be time-consuming or costly.â€‹Our third-party manufacturers and suppliers may use hazardous materials, including chemicals and biological agents and compounds that could be dangerous to human health and safety or the environment. The operations of our third-party manufacturers and suppliers also produce hazardous waste products. Federal, state, and local laws and regulations govern the use, generation, manufacture, storage, handling and disposal of these materials and wastes. Compliance with applicable environmental laws and regulations may be expensive, and current or future environmental laws and regulations may impair our product development efforts. In addition, we cannot entirely eliminate the risk of accidental injury or contamination from these materials or wastes. We do not carry specific biological or hazardous waste insurance coverage, and our property, casualty and general liability insurance policies specifically exclude coverage for damages and fines arising from biological or hazardous waste exposure or contamination. Accordingly, in the event of contamination or injury, we could be held liable for damages or be penalized with fines in an amount exceeding our resources, and our clinical trials or regulatory approvals could be suspended.â€‹63 Table of ContentsAny contamination in our third partiesâ€™ manufacturing process, shortages of raw materials, labor or reagents or failure of any of our key suppliers to deliver necessary components of our platform could result in delays in our clinical development or marketing schedules.â€‹Given the nature of biologics manufacturing, there is a risk of contamination. Any contamination could materially adversely affect our or our third-party vendorâ€™s ability to produce our gene therapies on schedule and could therefore harm our results of operations and cause reputational damage.The raw materials required in our third-party vendors manufacturing processes are derived from biological sources. We cannot assure that our third-party vendors have, or will be able to obtain on commercially reasonable terms, or at all, sufficient rights to these materials derived from biological sources. Such raw materials are difficult to procure and may also be subject to contamination or recall. A material shortage, contamination, recall, or restriction on the use of biologically derived substances in the manufacture of our product candidates could adversely impact or disrupt the clinical and commercial manufacturing of our product candidates, which could materially and adversely affect our operating results and development timelines.We rely on third-party suppliers for the supply and manufacture of certain components of our technology. Should our ability to procure these material components from our suppliers be compromised, our ability to continuously operate would be impaired until an alternative supplier is sourced, qualified and tested, which could limit our ability to produce a clinical and commercial supply of our product candidates and harm our business.We depend on third-party suppliers for materials used in the manufacture of our product candidates, and the loss of these third-party suppliers or their inability to supply us with adequate materials could harm our business.â€‹We rely on third-party suppliers for certain materials and components required for the production of our product candidates, including the materials used to administer our product candidates. Our dependence on these third-party suppliers and the challenges we may face in obtaining adequate supplies of materials involve several risks, including limited control over pricing, availability, and quality and delivery schedules. There is substantial demand and limited supply for certain of the raw materials used to manufacture gene therapy products. As a small company, our negotiation leverage is limited and we are likely to get lower priority than our competitors that are larger than we are. We cannot be certain that our suppliers will continue to provide us with the quantities of these raw materials that we require or satisfy our anticipated specifications and quality requirements. Any supply interruption in limited or sole sourced raw materials could materially harm our ability to manufacture our product candidates until a new source of supply, if any, could be identified and qualified. We may be unable to find a sufficient alternative supply channel in a reasonable time or on commercially reasonable terms. Any performance failure on the part of our suppliers could delay the development and potential commercialization of our product candidates, including limiting supplies necessary for clinical trials and regulatory approvals, which would have a material adverse effect on our business.Risks Related to Commercializationâ€‹We face significant competition in an environment of rapid technological change and the possibility that our competitors may achieve regulatory approval before us or develop therapies or technologies that are more advanced or effective than ours, which may harm our business and financial condition, and our ability to successfully market or commercialize our product candidates.â€‹The biotechnology and pharmaceutical industries, including the genetic medicines field, are characterized by rapidly changing technologies, competition and a strong emphasis on intellectual property. We are aware of several companies focused on developing gene therapies in various indications as well as several companies addressing methods for modifying genes and regulating gene expression. We may also face competition from large and specialty pharmaceutical and biotechnology companies, academic research institutions, government agencies and public and private research institutions.For the treatment of FTD, there are no approved disease-modifying therapies. We consider our most direct competitors with respect to PBFT02 for the treatment of FTD-GRN to be Prevail Therapeutics Inc. (part of Eli Lilly & Co), which is 64 Table of Contentsconducting a Phase 1/2 clinical trial for a gene therapy treatment for FTD-GRN and AviadoBio Ltd, which began enrolling their Phase 1/2 gene therapy trial in patients with FTD-GRN in the second half of 2023. Alector, Inc. (partnered with GSK plc) is conducting a Phase 3 clinical trial with a humanized anti-human sortilin monoclonal antibody for FTD-GRN. Additional companies, including Kyowa Kiran Co., Ltd. and QurAlis Corporation, are conducting preclinical research using genetic medicine approaches to treat patients with FTD-GRN. Denali Therapeutics Inc. in partnership with Takeda Pharmaceutical Company Limited, is conducting a Phase 1/2 clinical trial for their recombinant progranulin protein. Vesper Bio ApS began Phase 1 enrollment for a small molecule sortilin antagonist program targeting FTD-GRN in the fourth quarter of 2023. We are also aware of other therapeutic approaches in preclinical development that may target FTD-GRN patients including the Arkuda Therapeutics small molecule progranulin enhancer program which entered an exclusive option and asset purchase agreement with Johnson & Johnson Innovative Medicine in the first quarter 2024. With respect to PBFT02 for the treatment of FTD-C9orf72, our clinical stage competitors are Transposon Therapeutics, Inc., which is conducting a Phase 2 trial with a small molecule autophagy modulator for FTD-C9orf72, and Alector, Inc. (partnered with GSK plc) which conducted a Phase 2 clinical trial for latozinemab in FTD-C9orf72. There are other approaches in preclinical development for the treatment of FTD-C9orf72. In addition to the GRN and C9orf72 targeted therapies, there are four clinical stage programs for FTD targeting the TDP-43 pathway.Many of our potential competitors, alone or with their strategic partners, have substantially greater financial, technical, and other resources than we do, such as larger research and development, clinical, commercial and manufacturing organizations. Mergers and acquisitions in the biotechnology and pharmaceutical industries may result in even more resources being concentrated among a smaller number of competitors. Our commercial opportunity could be reduced or eliminated if competitors develop and commercialize products that are safer, more effective, have fewer or less severe side effects, are more convenient or are less expensive than any product candidates that we may develop. Competitors also may obtain FDA or other regulatory approval for their products more rapidly than we may obtain approval for ours, which could result in our competitors establishing a strong market position before we are able to enter the market, if ever. Additionally, new or advanced technologies developed by our competitors may render our current or future product candidates uneconomical or obsolete, and we may not be successful in commercializing our product candidates against competitors.The commercial success of any of our product candidates will depend upon its degree of market acceptance by physicians, patients, third-party payors and others in the medical community.â€‹Ethical, social and legal concerns about gene therapy could result in additional regulations restricting or prohibiting our products. Even with the requisite approvals from the FDA in the United States and other ex-U.S. regulatory authorities, the commercial success of our product candidates will depend, in part, on the acceptance of physicians, patients (which includes caregivers when applicable) and health care payors of gene therapy products in general, and our product candidates in particular, as medically necessary, cost-effective and safe. Any product that we commercialize may not gain acceptance by physicians, patients, health care payors and others in the medical community. If these products do not achieve an adequate level of acceptance, we may not generate significant product revenue and may not become profitable. The degree of market acceptance of gene therapy products and, in particular, our product candidates, if approved for commercial sale, will depend on several factors, including:â—‹the efficacy, durability and safety of such product candidates as demonstrated in clinical trials;â—‹the potential and perceived advantages of product candidates over alternative treatments;â—‹the cost of treatment relative to alternative treatments;â—‹the clinical indications for which the product candidate is approved by the FDA or ex-U.S. regulatory authorities;â—‹the willingness of physicians to order genetic testing for potential target patient populations;â—‹the willingness of potential patients to have genetic testing and counseling;â—‹the willingness of physicians to prescribe new therapies, including therapies using ICM administration;â—‹our ability to successfully train neurosurgeons and interventional radiologists in ICM administration of our product candidates;â—‹the willingness of the target patient population to try new therapies and a therapy with ICM administration;â—‹the prevalence and severity of any side effects;65 Table of Contentsâ—‹product labeling or product insert requirements of the FDA or ex-U.S. regulatory authorities, including any limitations or warnings contained in a productâ€™s approved labeling;â—‹relative convenience and ease of administration;â—‹the strength of marketing and distribution support;â—‹the timing of market introduction of competitive products and the perceptions of such competitive products compared to our products;â—‹publicity concerning our products or competing products and treatments;â—‹the pricing of our products, particularly as compared to alternative treatments; andâ—‹sufficient third-party payor coverage and adequate reimbursement from government and third-party payors and patientsâ€™ willingness to pay out-of-pocket in the absence of such coverage and

adequate reimbursement.â€‹Even if a potential product displays a favorable efficacy and safety profile in preclinical studies and clinical trials, market acceptance of the product will not be fully known until after it is launched.If in the future we are unable to establish U.S. or global sales and marketing capabilities or enter into agreements with third parties to sell and market our product candidates, we may not be successful in commercializing our product candidates if they are approved and we may not be able to generate any revenue.â€‹We currently do not have a sales team or marketing team for the sales, marketing, and distribution of any of our product candidates that may receive regulatory approval. In order to commercialize any product candidates after approval, we must build on a territory-by-territory basis sales, reimbursement, distribution, managerial and other non-technical capabilities or make arrangements with third parties to perform these services, and we may not be successful in doing so. If our product candidates receive regulatory approval, we may decide to establish an internal sales team with technical expertise and supporting distribution capabilities to commercialize our product candidates, which will be expensive and time-consuming and will require significant attention of our executive officers to manage. Any failure or delay in the development of our internal sales, marketing and distribution capabilities would adversely impact the commercialization of any of our product candidates that we obtain approval to market.With respect to the commercialization of all or certain of our product candidates, we may choose to collaborate, either globally or on a territory-by-territory basis, with third parties that have direct sales forces and established distribution systems, either to augment our own sales force and distribution systems or in lieu of our own sales force and distribution systems. If we are unable to enter into such arrangements when needed on acceptable terms, or at all, we may not be able to successfully commercialize any of our product candidates that receive regulatory approval or any such commercialization may experience delays or limitations. If we are not successful in commercializing our product candidates, either on our own or through collaborations with one or more third parties, our future product revenue will suffer and we may incur significant additional losses.We may expend our limited resources to pursue a particular product candidate or indication and fail to capitalize on product candidates or indications that may be more profitable or for which there is a greater likelihood of success.â€‹Because we have limited financial and managerial resources, we focus on research programs and product candidates that we identify for specific indications. As a result, we may forego or delay the pursuit of opportunities with other product candidates or for other indications that later prove to have greater commercial potential. Our resource allocation decisions may cause us to fail to timely capitalize on viable commercial products or profitable market opportunities. Our spending on current and future research and development programs and product candidates for specific indications may not yield any commercially viable products. The development of our clinical product candidates and ongoing research programs require significant resources. If we do not accurately evaluate the commercial potential or target market for a particular product candidate, we may relinquish valuable rights to that product candidate through collaboration, licensing or other royalty arrangements in cases in which it would have been more advantageous for us to retain sole development and commercialization rights to such product candidate.â€‹66 Table of ContentsRisks Related to Intellectual Property â€‹If we are unable to obtain and maintain patent protection or other necessary rights for our products and technology, or if the scope of the patent protection obtained is not sufficiently broad or our rights under licensed patents is not sufficiently broad, our competitors could develop and commercialize products and technology similar or identical to ours, and our ability to successfully commercialize our products and technology may be adversely affected.â€‹Our commercial success depends in part on our ability to obtain and maintain proprietary or intellectual property protection in the United States and other countries for our current product candidates and future products, as well as our core technologies, including our manufacturing know-how. We strive to protect and enhance the proprietary technology, inventions and improvements that are commercially important to the development of our business by seeking, maintaining and defending our intellectual property, whether developed internally or licensed from third parties. We also rely on trade secrets, know-how, continuing technological innovation and in-licensing opportunities to develop, strengthen and maintain our proprietary position in the field of gene therapy. Additionally, for some of our product candidates, we intend to rely on regulatory protection afforded through rare drug designations, data exclusivity and market exclusivity as well as patent term extensions, where available.Currently, most of our intellectual property protection consists of patent applications that we have in-licensed from Penn under the Penn License Agreement. The in-licensed patent applications are directed to certain new AAV capsids, to recombinant AAV viruses, or rAAV, capable of delivering certain genes into human cells to treat disorders of the CNS, to methods of treating those diseases with rAAV, as well as to certain aspects of our manufacturing capabilities and related technologies. Our intellectual property also includes patent applications that we solely own that cover processes that we developed for manufacturing our rAAV products and certain of our product candidates.We also have options under the Gemma Collaboration Agreement to conduct further research into new CNS indications that may create additional intellectual property.The patent position of biotechnology and pharmaceutical companies generally is highly uncertain, involves complex legal and factual questions, and has in recentÂ years been the subject of much litigation. The degree of patent protection we require to successfully compete in the marketplace may be unavailable or severely limited in some cases and may not adequately protect our rights or permit us to gain or keep any competitive advantage. We cannot provide any assurances that any of our own or licensed patent applications will mature into issued patents, and cannot provide any assurances that any such patents, if issued, will include claims with a scope sufficient to protect our current and future product candidates or otherwise provide any competitive advantage. Additionally, patents can be enforced only in those jurisdictions in which the patent has issued. Furthermore, patents have a limited lifespan. In the United States, the natural expiration of a patent is generally twentyÂ years after its first nonprovisional U.S. filing. The natural expiration of a patent outside of the United States varies in accordance with provisions of applicable local law, but is generally 20Â years from the earliest local filing date. Various extensions may be available; however, the life of a patent, and the protection it affords, is limited. Given the amount of time required for the development, testing and regulatory review of new product candidates, patents protecting such candidates might expire before or shortly after such candidates are commercialized.Moreover, our exclusive license under the Penn License Agreement is subject to field restrictions and retained rights, which may adversely impact our competitive position. Our licensed patent portfolio may not provide us with adequate and continuing patent protection sufficient to exclude others from commercializing products similar to our product candidates, including biosimilar versions of such products. In addition, the patent portfolio licensed to us is, or may be, licensed to third parties outside our licensed field, and such third parties may have certain enforcement rights. Thus, patents licensed to us could be put at risk of being invalidated or interpreted narrowly in litigation filed by or against another licensee or in administrative proceedings brought by or against another licensee in response to such litigation or for other reasons.Other parties have developed technologies that may be related or competitive to our own and such parties may have filed or may file patent applications, or may have received or may receive patents, claiming inventions that may overlap or conflict with those claimed in our own patent applications or issued patents. Publications of discoveries in the scientific literature often lag behind the actual discoveries, and patent applications in the United States and in other jurisdictions 67 Table of Contentsare typically not published until 18Â months after filing, or in some cases not at all. Therefore, we cannot know with certainty whether the inventors of our own or licensed patents and applications were the first to make the inventions claimed in those patents or pending patent applications, or that they were the first to file for patent protection of such inventions. Further, we cannot assure you that all of the potentially relevant prior art relating to our own or licensed patents and patent applications has been found. If such prior art exists, it can invalidate a patent or prevent a patent from issuing from a pending patent application. As a result, the issuance, scope, validity and commercial value of our patent rights cannot be predicted with any certainty. Further, if the breadth or strength of protection provided by our patents and patent applications is threatened, regardless of the outcome, it could dissuade companies from collaborating with us to license, develop or commercialize current or future product candidates.In addition, the patent prosecution process is expensive and time-consuming, and we or our licensors may not be able to file and prosecute all necessary or desirable patent applications at a reasonable cost or in a timely manner. In addition, the scope of the claims initially submitted for examination may be significantly narrowed by the time they issue, if at all. It is also possible that we or our licensors will fail to identify patentable aspects of our research and development output before it is too late to obtain patent protection. We cannot provide any assurances that we will be able to pursue or obtain additional patent protection based on our research and development efforts, or that any such patents or other intellectual property we generate will provide any competitive advantage. Moreover, we do not have the right to control the preparation, filing and prosecution of patent applications, or to control the maintenance of the patents, covering technology that we license from third parties. Therefore, these patents and applications may not be filed, prosecuted or maintained in a manner consistent with the best interests of our business.Even if we acquire patent protection that we expect should enable us to maintain competitive advantage, the issuance of a patent is not conclusive as to its inventorship, scope, validity or enforceability. Third parties, including competitors, may challenge the inventorship, scope, validity, or enforceability thereof, which may result in such patents being narrowed, invalidated or held unenforceable. If issued, our own or licensed patents may be challenged in patent offices in the United States and international markets, or in court. For example, we may be subject to a third-party submission of prior art to the U.S. Patent and Trademark Office, or USPTO, challenging the validity of one or more claims of our own or licensed patents, once issued. Such submissions may also be made prior to a patentâ€™s issuance, precluding the granting of a patent based on one of our pending licensed patent applications. We may become involved in opposition, reexamination, inter partes review, post-grant review, derivation, interference, or similar proceedings in the United States or abroad challenging the claims of patents that we have licensed, once issued. Furthermore, patents that we have licensed may be challenged in court, once issued. Competitors may claim that they invented the inventions claimed in such patents or patent applications prior to the inventors of our own or licensed patents, or may have filed patent applications before the inventors of our own or licensed patents did. A competitor may also claim that we are infringing its patents and that we therefore cannot practice our technology as claimed under our own or licensed patent applications and patents, if issued. As a result, one or more claims of our own or licensed patents may be narrowed or invalidated. In litigation, a competitor could claim that our patents, if issued, are not valid for a number of reasons. If a court agrees, we would lose our rights to those challenged patents.Even if they are unchallenged, our own or licensed patents and pending patent applications, if issued, may not provide us with any meaningful protection or prevent competitors from designing around our patent claims to circumvent our own or licensed patents by developing similar or alternative technologies or therapeutics in a non-infringing manner. For example, even if we have a valid and enforceable patent, we may not be able to exclude others from practicing our invention if the other party can show that they used the invention in commerce before our filing date or the other party benefits from a compulsory license. Moreover, a third party may develop a competitive product that provides benefits similar to one or more of our product candidates but that uses a vector or an expression construct that falls outside the scope of our patent protection or license rights. If the patent protection provided by the patents and patent applications we hold or pursue with respect to our product candidates is not sufficiently broad to impede such competition, our ability to successfully commercialize our product candidates could be negatively affected, which would harm our business.Similar risks would apply to any patents or patent applications that we may own or in-license in the future.In addition to patent protection, if any of our product candidates are approved by the FDA as a biological product under a BLA in the United States, we believe the product would qualify for a 12-year period of exclusivity. Other regulatory 68 Table of Contentsexclusivities may be available, such as Orphan Drug exclusivity, with analogous data, marketing, and orphan exclusivities in various foreign countries. However, the scope of such regulatory exclusivities is subject to change, and may not provide us with adequate and continuing protection sufficient to exclude others from commercializing products similar to our product candidates.All of our current product candidates and research programs, including for PBFT02, are licensed from or based upon licenses from a third-party and are field limited to certain indications. If the license agreements are terminated or interpreted to narrow our rights, our ability to advance our current product candidates or develop new product candidates based on these technologies will be materially adversely affected.â€‹We currently rely on licenses and sublicenses from third parties, in particular Penn and Gemma, and will continue to rely on third parties for the research, development, manufacturing and commercialization of our current product candidates. If any of our licenses or relationships or any in-licenses on which our licenses are based are terminated or breached, we may:â—lose our rights to develop and market our current product candidates;â—lose patent or trade secret protection for our current product candidates;â—experience significant delays in the development or commercialization of our current product candidates;â—not be able to obtain any other licenses on acceptable terms, if at all; orâ—incur liability for damages.â€‹Additionally, even if not terminated or breached, our intellectual property licenses or sublicenses may be subject to disagreements over contract interpretation which could narrow the scope of our rights to the relevant intellectual property or technology or increase our financial or other obligations.If we experience any of the foregoing, it could have a materially adverse effect on our business and could force us to cease operations which could cause you to lose all of your investment.If we breach our license agreements it could have a material adverse effect on our commercialization efforts for our product candidates.â€‹If we breach any of the agreements under which we license the use, development and commercialization rights to our product candidates or technology from third parties, we could lose license rights that are important to our business. Our current clinical product candidates, including PBFT02 are, licensed from Penn. Under the Penn License Agreement, we are subject to various obligations, including payment obligations, diligence obligations such as development and commercialization obligations, as well as potential royalty payments and other obligations. If we fail to comply with any of these obligations or otherwise breach our license agreements, our licensors may have the right to terminate the applicable license in whole or in part. Generally, the loss of any one of our current licenses, or any other license we may acquire in the future, could harm our business, prospects, financial condition and results of operations.Licensing of intellectual property is of critical importance to our business and involves complex legal, business and scientific issues. Disputes may arise between us and our licensors regarding intellectual property subject to a license agreement, including:â—the scope of rights granted under the license agreement and other interpretation-related issues;â—whether and the extent to which our technology and processes infringe on intellectual property of the licensor that is not subject to the licensing agreement;â—our right to sublicense patent and other intellectual property rights to third parties under collaborative development relationships;â—our diligence obligations with respect to the use of the licensed technology in relation to our development and commercialization of our product candidates, and what activities satisfy those diligence obligations;â—the ownership of inventions and know-how resulting from the joint creation or use of intellectual property by our licensors and us and our partners; and69 Table of Contentsâ—whether and the extent to which inventors are able to contest the assignment of their rights to our licensors.â€‹If disputes over intellectual property that we have licensed prevent or impair our ability to maintain our current licensing arrangements on acceptable terms or at all, we may be unable to successfully develop and commercialize the affected product candidates. In addition, if disputes arise as to ownership of licensed intellectual property, our ability to pursue or enforce the licensed patent rights may be jeopardized. If we or our licensors fail to adequately protect this intellectual property, our ability to commercialize our products could suffer.Our strategy of obtaining rights to key technologies through in-licenses may not be successful.â€‹We seek to expand our product candidate pipeline in part by in-licensing the rights to key technologies. The future growth of our business will depend in part on our ability to in-license or otherwise acquire the rights to additional product candidates or technologies. We cannot assure you that we will be able to in-license or acquire the rights to any product candidates or technologies from third parties on acceptable terms or at all.The in-licensing and acquisition of these technologies is a competitive area, and a number of more established companies are also pursuing strategies to license or acquire product candidates or technologies that we may consider attractive. These established companies may have a competitive advantage over us due to their size, cash resources and greater clinical development and commercialization capabilities. In addition, companies that perceive us to be a competitor may be unwilling to license rights to us. Furthermore, we may be unable to identify suitable product candidates or technologies within our area of focus. If we are unable to successfully obtain rights to suitable product candidates or technologies, our business, financial condition and prospects could suffer.Third parties may initiate legal proceedings alleging claims of intellectual property infringement, the outcome of which would be uncertain and could have a material adverse effect on the success of our business.â€‹Our commercial success depends upon our ability and the ability of our collaborators to develop, manufacture, market and sell our product candidates and future products and use our proprietary technologies without infringing the proprietary rights and intellectual property of third parties. The biotechnology and pharmaceutical industries are characterized by extensive and frequent litigation regarding patents and other intellectual property rights. We may in the future become party to, or threatened with, adversarial proceedings or litigation regarding intellectual property rights with respect to our product candidates, future products and technology. Our competitors or other third parties may assert infringement or misappropriation claims against us, alleging that our therapeutics, manufacturing methods, formulations or administration methods are covered by their patents. Numerous U.S. and foreign issued patents and pending patent applications, which are owned by third parties, exist in the fields in which we are pursuing product candidates. For example, a third party previously sent us a letter claiming that the use of our AAVhu68 capsid infringes certain patent claims to which the third party has an exclusive license. While this matter has been resolved and we believe that we would have valid defenses to these and any other such claims; however, if any such claims were ultimately successful, we might require a license to continue to use and sell any product candidates using such AAV vector. Such licenses may not be available on commercially reasonable terms, or at all.Further, we do not know which processes we will use for commercial manufacture of our future products, or

which technologies owned or controlled by third parties may prove important or essential to those processes. Given the vast number of patents in our field of technology, we cannot be certain or guarantee that we do not or will not infringe existing patents or that we will not infringe patents that may be granted in the future. Many companies have filed, and continue to file, patent applications related to gene therapy and orphan diseases. Some of these patent applications have already been allowed or issued and others may issue in the future. Since this area is competitive and of strong interest to pharmaceutical and biotechnology companies, there will likely be additional patent applications filed and additional patents granted in the future, as well as additional research and development programs expected in the future. Furthermore, because patent applications can take manyÂ years to issue, may be confidential for 18Â months or more after filing and can be revised before issuance, there may be applications now pending which may later result in issued patents that may be infringed by the manufacture, use, sale or importation of our product candidates or future products. If a patent holder believes the manufacture, use, sale, offer for sale or importation of one of our product candidates or future products infringes its patent, the patent holder may sue us even if we have licensed other patent protection for our 70 Table of Contentstechnology. Moreover, we may face patent infringement claims from non-practicing entities that have no relevant product revenue and against whom our licensed patent portfolio may therefore have no deterrent effect.It is also possible that we have failed to identify relevant third-party patents or applications. For example, applications filed before NovemberÂ 29, 2000 and certain applications filed after that date that will not be filed outside the United States remain confidential until patents issue. Moreover, it is difficult for industry participants, including us, to identify all third-party patent rights that may be relevant to our product candidates and technologies because patent searching is imperfect due to differences in terminology among patents, incomplete databases and the difficulty in assessing the meaning of patent claims. We may fail to identify relevant patents or patent applications or may identify pending patent applications of potential interest but incorrectly predict the likelihood that such patent applications may issue with claims of relevance to our technology. In addition, we may be unaware of one or more issued patents that would be infringed by the manufacture, sale, importation or use of a current or future product candidate, or we may incorrectly conclude that a third-party patent is invalid, unenforceable or not infringed by our activities. Additionally, pending patent applications that have been published can, subject to certain limitations, be later amended in a manner that could cover our technologies, our future products or the manufacture or use of our future products.Third parties may assert infringement claims against us based on existing intellectual property rights and intellectual property rights that may be granted in the future. If we were to challenge the validity of an issued U.S. patent in court, such as an issued U.S. patent of potential relevance to some of our product candidates or future products or manufacture or methods of use, we would need to overcome a statutory presumption of validity that attaches to every U.S. patent. This means that in order to prevail, we would have to present clear and convincing evidence as to the invalidity of the patentâ€™s claims. There is no assurance that a court would find in our favor on questions of infringement or validity.Patent and other types of intellectual property litigation can involve complex factual and legal questions, and their outcome is uncertain. If we are found, or believe there is a risk we may be found, to infringe a third-partyâ€™s intellectual property rights, we could be required or may choose to obtain a license from such third party to continue developing and marketing our products and technology. However, we may not be able to obtain any such license on commercially reasonable terms, or at all. Even if we were able to obtain a license, it could be non-exclusive, thereby giving our competitors access to the same technologies licensed to us. Without such a license, we could be forced, including by court order, to cease commercializing the infringing technology or product. In addition, we could be found liable for monetary damages, including treble damages and attorneysâ€™ fees if we are found to have willfully infringed a patent. A finding of infringement could prevent us from commercializing our future products or force us to cease some of our business operations, which could materially harm our business. Alternatively, we may need to redesign our infringing products, which may be impossible or require substantial time and monetary expenditure. If we lose a foreign patent lawsuit alleging our infringement of a competitorâ€™s patents, we could be prevented from marketing our therapeutics in one or more foreign countries and/or be required to pay monetary damages for infringement or royalties in order to continue marketing. Claims that we have misappropriated the confidential information, trade secrets or other intellectual property of third parties could have a similar negative impact on our business. Any of these outcomes would have a materially adverse effect on our business.Even if we are successful in these proceedings, we may incur substantial costs and divert management time and attention in pursuing these proceedings, which could have a material adverse effect on us. If we are unable to avoid infringing the patent rights of others, we may be required to seek a license, defend an infringement action or challenge the validity of the patents in court, or redesign our future products or processes. Patent litigation is costly and time-consuming, and some of our competitors may be able to sustain the costs of complex patent litigation more effectively than we can because they have substantially greater resources. We may not have sufficient resources to bring these actions to a successful conclusion. Furthermore, because of the substantial amount of discovery required in connection with intellectual property litigation or administrative proceedings, there is a risk that some of our confidential information could be compromised by disclosure. Uncertainties resulting from the initiation and continuation of patent litigation or other proceedings could delay our research and development efforts, adversely affect our ability to raise additional funds, and could limit our ability to continue our operations.71 Table of ContentsIf we are unable to protect the confidentiality of our trade secrets, our business and competitive position may be harmed.â€‹In addition to the protection afforded by patents, we rely upon unpatented trade secret protection, unpatented know-how and continuing technological innovation to develop and maintain our competitive position. We seek to protect our proprietary technology and processes, in part, by entering into confidentiality agreements with our contractors, collaborators, scientific advisors, employees and consultants and invention assignment agreements with our consultants and employees. We may not be able to prevent the unauthorized disclosure or use of our technical know-how or other trade secrets by the parties to these agreements, however, despite the existence generally of confidentiality agreements and other contractual restrictions. Monitoring unauthorized uses and disclosures is difficult and we do not know whether the steps we have taken to protect our proprietary technologies will be effective. If any of the contractors, collaborators, scientific advisors, employees and consultants who are parties to these agreements breaches or violates the terms of any of these agreements, we may not have adequate remedies for any such breach or violation. As a result, we could lose our trade secrets. Enforcing a claim that a third-party illegally obtained and is using our trade secrets, like patent litigation, is expensive and time-consuming and the outcome is unpredictable. In addition, courts outside the United States are sometimes less willing or unwilling to protect trade secrets.Our trade secrets could otherwise become known or be independently discovered by our competitors. Competitors could purchase our product candidates and attempt to replicate some or all of the competitive advantages we derive from our development efforts, willfully infringe our intellectual property rights, design around our protected technology or develop their own competitive technologies that fall outside of our intellectual property rights. If any of our trade secrets were to be lawfully obtained or independently developed by a competitor, we would have no right to prevent them, or those to whom they communicate it, from using that technology or information to compete with us. If our trade secrets are not adequately protected or sufficient to provide an advantage over our competitors, our competitive position could be adversely affected, as could our business. Additionally, if the steps taken to maintain our trade secrets are deemed inadequate, we may have insufficient recourse against third parties for misappropriating our trade secrets.Obtaining and maintaining patent protection depends on compliance with various procedural, document submission, fee payment and other requirements imposed by governmental patent agencies and our patent protection could be reduced or eliminated for non-compliance with these requirements.â€‹The USPTO and various foreign governmental patent agencies require compliance with a number of procedural, documentary, fee payment and other similar provisions during the patent application process. In addition, periodic maintenance fees on issued patents often must be paid to the USPTO and foreign patent agencies over the lifetime of the patent. While an unintentional lapse can in many cases be cured by payment of a late fee or by other means in accordance with the applicable rules, there are situations in which noncompliance can result in premature abandonment or lapse of the patent or patent application, resulting in partial or complete loss of patent rights in the relevant jurisdiction. Non-compliance events that could result in abandonment or lapse of a patent or patent application include, but are not limited to, failure to respond to official actions within prescribed time limits, non-payment of fees and failure to properly legalize and submit formal documents. If we or our licensors fail to maintain the patents and patent applications covering our product candidates, we may not be able to stop a competitor from marketing drugs that are the same as or similar to our product candidates, which would have a material adverse effect on our business.We may not be able to protect our intellectual property rights throughout the world.â€‹Filing, prosecuting and defending patents on product candidates in all countries throughout the world would be prohibitively expensive, and our intellectual property rights in some countries outside the United States can be less extensive than those in the United States. The requirements for patentability may differ in certain countries, particularly in developing countries. Moreover, our ability to protect and enforce our intellectual property rights may be adversely affected by unforeseen changes in foreign intellectual property laws. In addition, the laws of some foreign countries do not protect intellectual property rights to the same extent as federal and state laws in the United States. Further, licensing partners may not prosecute patents in certain jurisdictions in which we may obtain commercial rights, thereby precluding the possibility of later obtaining patent protection in these countries. Consequently, we may not be able to prevent third parties from practicing our inventions in all countries outside the United States. Competitors may use our technologies in 72 Table of Contentsjurisdictions where we have not obtained patent protection to develop their own products and may also export infringing products to territories where we have patent protection, but enforcement is not as strong as that in the United States. These products may compete with our products and our patents or other intellectual property rights may not be effective or sufficient to prevent them from competing.Most of our in-licensed patent families are pending in major pharmaceutical markets including the United States, Canada, Europe, Japan, Korea, and China, as well as other jurisdictions; we will not be able to enforce the patent in any jurisdictions in which the application has not been filed. Filing, prosecuting and defending patents on product candidates in all countries throughout the world would be prohibitively expensive, and we or our licensor may be unable to predict and may fail to seek patent protection in jurisdictions in which protection may ultimately be desired.Many companies have encountered significant problems in protecting and defending intellectual property rights in foreign jurisdictions. The legal systems of certain countries, particularly certain developing countries, do not favor the enforcement of patents, trade secrets, and other intellectual property protection, particularly those relating to biotechnology products, which could make it difficult for us to stop the infringement of our patents or marketing of competing products in violation of our proprietary rights generally. For example, many foreign countries have compulsory licensing laws under which a patent owner must grant licenses to third parties. Proceedings to enforce our patent rights in foreign jurisdictions, whether or not successful, could result in substantial costs and divert our efforts and attention from other aspects of our business, could put our patents at risk of being invalidated or interpreted narrowly and our patent applications at risk of not issuing and could provoke third parties to assert claims against us. We may not prevail in any lawsuits that we initiate and the damages or other remedies awarded, if any, may not be commercially meaningful. Accordingly, our efforts to enforce our intellectual property rights around the world may be inadequate to obtain a significant commercial advantage from the intellectual property that we develop or license.We may become involved in lawsuits to protect or enforce our patents or other intellectual property, which could be expensive, time-consuming and unsuccessful.â€‹Competitors may infringe our patents, trademarks, copyrights or other intellectual property. To counter infringement or unauthorized use, we may be required to file infringement claims, which can be expensive and time-consuming and divert the time and attention of our management and scientific personnel. Any claims we assert against perceived infringers could provoke these parties to assert counterclaims against us alleging that we infringe their patents, in addition to counterclaims asserting that our patents are invalid or unenforceable, or both. The outcome following legal assertions of invalidity and unenforceability is unpredictable. In any patent infringement proceeding, there is a risk that a court will decide that a patent of ours is invalid or unenforceable, in whole or in part, and that we do not have the right to stop the other party from using the invention at issue. There is also a risk that, even if the validity of such patents is upheld, the court will construe the patentâ€™s claims narrowly or decide that we do not have the right to stop the other party from using the invention at issue on the grounds that our patent claims do not cover the invention. An adverse outcome in a litigation or proceeding involving our patents could limit our ability to assert our patents against those parties or other competitors, and may curtail or preclude our ability to exclude third parties from making and selling similar or competitive products. Any of these occurrences could adversely affect our competitive business position, business prospects and financial condition. Similarly, if we assert trademark infringement claims, a court may determine that the marks we have asserted are invalid or unenforceable, or that the party against whom we have asserted trademark infringement has superior rights to the marks in question. In this case, we could ultimately be forced to cease use of such trademarks.Even if we establish infringement, the court may decide not to grant an injunction against further infringing activity and instead award only monetary damages, which may or may not be an adequate remedy. Furthermore, because of the substantial amount of discovery required in connection with intellectual property litigation, there is a risk that some of our confidential information could be compromised by disclosure during litigation. There could also be public announcements of the results of hearings, motions or other interim proceedings or developments. If securities analysts or investors perceive these results to be negative, it could have a material adverse effect on the price of shares of our common stock. Moreover, there can be no assurance that we will have sufficient financial or other resources to file and pursue such infringement claims, which typically last forÂ years before they are concluded. Even if we ultimately prevail 73 Table of Contentsin such claims, the monetary cost of such litigation and the diversion of the attention of our management and scientific personnel could outweigh any benefit we receive as a result of the proceedings.Changes in patent law in the United States and in ex-U.S. jurisdictions could diminish the value of patents in general, thereby impairing our ability to protect our product candidates.â€‹As is the case with other biotechnology companies, our success is heavily dependent on intellectual property, particularly patents. Obtaining and enforcing patents in the biotechnology industry involve both technological and legal complexity, and is therefore costly, time-consuming and inherently uncertain.Past or future patent reform legislation could increase the uncertainties and costs surrounding the prosecution of our patent applications and the enforcement or defense of our issued patents. For example, in MarchÂ 2013, under the Leahy-Smith America Invents Act, or America Invents Act, the United States moved from a â€œfirst to inventâ€ to a â€œfirst-inventor-to-fileâ€ patent system. Under a â€œfirst-inventor-to-fileâ€ system, assuming the other requirements for patentability are met, the first inventor to file a patent application generally will be entitled to a patent on the invention regardless of whether another inventor had made the invention earlier. The America Invents Act includes a number of other significant changes to U.S. patent law, including provisions that affect the way patent applications are prosecuted, redefine prior art and establish a new post-grant review system. The effects of these changes are currently unclear as the USPTO continues to promulgate new regulations and procedures in connection with the America Invents Act and many of the substantive changes to patent law, including the â€œfirst-inventor-to-fileâ€ provisions, only became effective in MarchÂ 2013. In addition, the courts have yet to address many of these provisions and the applicability of the act and new regulations on the specific patents discussed in this filing have not been determined and would need to be reviewed. However, the America Invents Act and its implementation could increase the uncertainties and costs surrounding the prosecution of our patent applications and the enforcement or defense of our issued patents.Additionally, recent U.S. Supreme Court rulings have narrowed the scope of patent protection available in certain circumstances and weakened the rights of patent owners in certain situations. In addition to increasing uncertainty with regard to our ability to obtain patents in the future, this combination of events has created uncertainty with respect to the value of patents, once obtained. Depending on decisions by the U.S. Congress, the federal courts and the USPTO, the laws and regulations governing patents could change in unpredictable ways that would weaken our ability to obtain new patents or to enforce our existing patents and patents that we might obtain in the future. For example, in the case, Assoc. for Molecular Pathology v. Myriad Genetics,Â Inc., the U.S. Supreme Court held that certain claims to DNA molecules are not eligible for patent protection. We cannot predict how future decisions by the courts, the U.S. Congress or the USPTO may impact the value of our patents. Any similar adverse changes in the patent laws of other jurisdictions could also have a material adverse effect on our business, financial condition, results of operations and prospects.We may be subject to claims asserting that our employees, consultants, advisors or collaborators have wrongfully used or disclosed alleged trade secrets of their current or former employers or claims asserting ownership of or other rights to what we regard as our own or licensed intellectual property.â€‹Many of our employees, consultants or advisors, and the employees, consultants or advisors of our licensors, are currently, or were previously, employed at or affiliated with universities, hospitals or other biotechnology or pharmaceutical companies, including our competitors or potential competitors. Although we try to ensure that our employees, consultants and advisors do not use the proprietary information or know-how of others in their work for us, we may be subject to claims that these individuals or we have used or disclosed intellectual property, including trade secrets or other proprietary information, of any such individualâ€™s current or former employer. Moreover, some of our licensors, and our or our licensorsâ€™ employees, consultants or advisors are or have been affiliated or have a contractual relationship with multiple institutions and companies including our competitors and may have or have had an obligation to them. Such institutions and companies could challenge our license rights or our licensorsâ€™ intellectual property ownership rights. Litigation may be necessary to defend against these claims and we may be obligated to indemnify our employees, consultants, advisors or collaborators in certain instances. If we fail in

defending any such claims, in addition to paying monetary damages, we may lose valuable intellectual property rights or personnel. Even if we are successful in defending against such claims, litigation could result in substantial costs and be a distraction to management.74 Table of ContentsIn addition, while it is our policy to require our employees and contractors who may be involved in the conception or development of intellectual property to execute agreements assigning such intellectual property to us, we may be unsuccessful in executing such an agreement with each party who, in fact, conceives or develops intellectual property that we regard as our own. The assignment of intellectual property rights may not be self-executing or the assignment agreements may be breached, and we may be forced to bring claims against third parties, or defend claims that they may bring against us, to determine the ownership of what we regard as our intellectual property.Patent terms may be inadequate to protect our competitive position on our product candidates for an adequate amount of time.â€‹Patents have a limited lifespan. In the United States, if all maintenance fees are timely paid, the natural expiration of a patent is generally 20Â years from its earliest U.S. non-provisional filing date. Various extensions may be available, but the life of a patent, and the protection it affords, is limited. Even if patents covering our product candidates are obtained, once the patent life has expired, we may be open to competition from competitive products, including generics. Given the amount of time required for the development, testing and regulatory review of new product candidates, patents protecting our product candidates might expire before or shortly after we or our partners commercialize those candidates. As a result, our owned and licensed patent portfolio may not provide us with sufficient rights to exclude others from commercializing products similar or identical to ours.If we do not obtain patent term extension for any product candidates we may develop, our business may be materially harmed.â€‹Depending upon the timing, duration and specifics of any FDA marketing approval of any product candidates we may develop, one or more of our U.S. patents may be eligible for limited patent term extension under the Drug Price Competition and Patent Term Restoration Act of 1984, or the Hatch-Waxman Amendments. The Hatch-Waxman Amendments permit a patent extension term of up to fiveÂ years as compensation for patent term lost during the FDA regulatory review process. A patent term extension cannot extend the remaining term of a patent beyond a total of 14Â years from the date of product approval, only one patent per product may be extended and only those claims covering the approved drug, a method for using it, or a method for manufacturing it may be extended. However, even if we were to seek a patent term extension, it may not be granted because of, for example, the failure to exercise due diligence during the testing phase or regulatory review process, the failure to apply within applicable deadlines, the failure to apply prior to expiration of relevant patents, or any other failure to satisfy applicable requirements. Moreover, the applicable time period or the scope of patent protection afforded could be less than we request. If we are unable to obtain patent term extension or term of any such extension is less than we request, our competitors may obtain approval of competing products following our patent expiration, and our business, financial condition, results of operations, and prospects could be materially harmed.Some of the intellectual property rights that we have in-licensed were generated through the use of U.S. government funding and are therefore subject to federal regulations such as â€œmarch-inâ€ rights, certain reporting requirements, and a preference for U.S. based companies. Compliance with such regulations may limit our exclusive rights, and limit our ability to contract with ex-U.S. manufacturers.â€‹Some of the intellectual property rights we have in-licensed were generated through the use of U.S. government funding and are therefore subject to certain federal regulations. As a result, the U.S. government may have certain rights to intellectual property embodied in our current or future product candidates pursuant to the Bayh-Dole Act of 1980, or Bayh-Dole Act, and implementing regulations. These U.S. government rights in certain inventions developed under a government-funded program include a non-exclusive, non-transferable, irrevocable worldwide license to use inventions for any governmental purpose. In addition, the U.S. government has the right to require us or our licensors to grant exclusive, partially exclusive, or non-exclusive licenses to any of these inventions to a third party if it determines that: (i)Â adequate steps have not been taken to commercialize the invention; (ii)Â government action is necessary to meet public health or safety needs; or (iii)Â government action is necessary to meet requirements for public use under federal regulations (also referred to as â€œmarch-in rightsâ€). The U.S. government also has the right to take title to these inventions if we, or the applicable licensor, fail to disclose the invention to the government and fail to file an application to register 75 Table of Contentsthe intellectual property within specified time limits. These time limits have recently been changed by regulation, and may change in the future. Intellectual property generated under a government funded program is also subject to certain reporting requirements, compliance with which may require us or the applicable licensor to expend substantial resources. In addition, the U.S. government requires that any products embodying the subject invention or produced through the use of the subject invention be manufactured substantially in the United States. The manufacturing preference requirement can be waived if the owner of the intellectual property can show that reasonable but unsuccessful efforts have been made to grant licenses on similar terms to potential licensees that would be likely to manufacture substantially in the United States or that under the circumstances domestic manufacture is not commercially feasible. This preference for U.S. manufacturers may limit our ability to contract with ex-U.S. product manufacturers for products covered by such intellectual property. To the extent any of our current or future intellectual property is generated through the use of U.S. government funding, the provisions of the Bayh-Dole Act may similarly apply.Risks Related to Government Regulationâ€‹The pricing, insurance coverage and reimbursement status of newly approved products is uncertain. Failure to obtain or maintain adequate coverage and reimbursement for our product candidates, if approved, could limit our ability to market those products and decrease our ability to generate product revenue.â€‹Our clinical product candidates currently target indications with small patient populations. In order for products that are designed to treat smaller patient populations to be commercially viable, the reimbursement for such products must be higher, on a relative basis, to account for the lack of volume. Accordingly, we will need to implement a coverage and reimbursement strategy for any approved product candidate that accounts for the smaller potential market size. If we are unable to establish or sustain coverage and adequate reimbursement for any future product candidates from third-party payors, the adoption of those products and sales revenue will be adversely affected, which, in turn, could adversely affect the ability to market or sell those product candidates, if approved.We expect the cost of a single administration of gene therapy products, such as those we are developing, to be substantial when and if they achieve regulatory approval. Therefore, we expect that coverage and reimbursement by government and private payors will be essential for most patients to be able to afford these treatments. Accordingly, sales of any of our product candidates will depend substantially, both domestically and internationally, on the extent to which the costs of our product candidates will be paid by health maintenance, managed care, pharmacy benefit and similar healthcare management organizations, or will be reimbursed by government authorities, private health coverage insurers and other third-party payors. Even if coverage is provided, the approved reimbursement amount may not be high enough to allow us to establish or maintain pricing sufficient to realize a sufficient return on our investment.There is significant uncertainty related to the insurance coverage and reimbursement of newly approved products. In the United States, the principal decisions about reimbursement for new products are typically made by the Centers for MedicareÂ & Medicaid Services, or CMS, an agency within the U.S. Department of Health and Human Services, since CMS decides whether and to what extent a new product will be covered and reimbursed under Medicare. Private payors tend to follow CMS to a substantial degree. However, one payorâ€™s determination to provide coverage for a drug product does not assure that other payors will also provide coverage for the drug product. Further, a payorâ€™s decision to provide coverage for a drug product does not imply that an adequate reimbursement rate will be approved. It is difficult to predict what CMS will decide with respect to reimbursement for novel products such as ours since there is no body of established practices and precedents for these new products. Reimbursement agencies in Europe may be more conservative than CMS.Outside the United States, international operations are generally subject to extensive governmental price controls and other market regulations, and we believe the increasing emphasis on cost-containment initiatives in Europe, Canada and other countries has and will continue to put pressure on the pricing and usage of therapeutics such as our product candidates. In many countries, particularly the countries of the EU, the prices of medical products are subject to varying price control mechanisms as part of national health systems. In these countries, pricing negotiations with governmental authorities can take considerable time after the receipt of marketing approval for a product. To obtain reimbursement or pricing approval in some countries, we may be required to conduct a clinical trial that compares the cost-effectiveness of our product candidate to other available therapies. In general, the prices of products under such systems are substantially 76 Table of Contentslower than in the United States. Other countries allow companies to fix their own prices for products, but monitor and control company profits. Additional foreign price controls or other changes in pricing regulation could restrict the amount that we are able to charge for our product candidates. Accordingly, in markets outside the United States, the reimbursement for our product candidates may be reduced compared with the United States and may be insufficient to generate commercially reasonable revenues and profits.Moreover, increasing efforts by governmental and third-party payors, in the United States and internationally, to cap or reduce healthcare costs may cause such organizations to limit both coverage and level of reimbursement for new products approved and, as a result, they may not cover or provide adequate payment for our product candidates. We expect to experience pricing pressures in connection with the sale of any of our product candidates due to the trend toward managed healthcare, the increasing influence of certain third-party payors, such as health maintenance organizations, and additional legislative changes. The downward pressure on healthcare costs in general, particularly prescription drugs and surgical procedures and other treatments, has become very intense. As a result, increasingly high barriers are being erected to the entry of new products into the healthcare market.In addition to CMS and private payors, professional organizations such as the American Medical Association can influence decisions about reimbursement for new products by determining standards for care. In addition, many private payors contract with commercial vendors who sell software that provide guidelines that attempt to limit utilization of, and therefore reimbursement for, certain products deemed to provide limited benefit to existing alternatives. Such organizations may set guidelines that limit reimbursement or utilization of our product candidates. Even if favorable coverage and reimbursement status is attained for one or more products for which we or our collaborators receive regulatory approval, less favorable coverage policies and reimbursement rates may be implemented in the future.Fast Track Designation by the FDA may not lead to a faster development or regulatory review or approval process. â€‹We have obtained Fast Track Designation for PBFT02 for the treatment of FTD-GRN. We may seek Fast Track Designation for other potential indications for PBFT02, or for one or more of our other product candidates. If a drug is intended for the treatment of a serious or life-threatening condition and the drug demonstrates the potential to address unmet medical needs for this condition, the product sponsor may apply for FDA Fast Track Designation. The FDA has broad discretion whether or not to grant this designation, so even if we believe a particular product candidate is eligible for this designation, we cannot assure you that the FDA would decide to grant it. Even if we do receive Fast Track Designation, we may not experience a faster development process, review or approval compared to conventional FDA procedures. The FDA may withdraw Fast Track Designation if it believes that the designation is no longer supported by data from our clinical development program.â€‹If we decide to seek Orphan Drug Designation for some of our product candidates, we may be unsuccessful or may be unable to maintain the benefits associated with Orphan Drug Designation, including the potential for supplemental market exclusivity.â€‹We have obtained Orphan Drug Designation, for PBFT02 for the treatment of FTD. We have sought and may continue to seek Orphan Drug Designation for one or more of our other product candidates, and we may be unsuccessful. Regulatory authorities in some jurisdictions, including the United States and Europe, may designate drugs for relatively small patient populations as orphan drugs. Under the Orphan Drug Act, the FDA may designate a drug as an orphan drug if it is a drug intended to treat a rare disease or condition, which is generally defined as a patient population of fewer than 200,000 individuals in the United States, or a patient population greater than 200,000 in the United States where there is no reasonable expectation that the cost of developing the drug will be recovered from sales in the United States. In the United States, Orphan Drug Designation entitles a party to financial incentives such as tax advantages and user-fee waivers. Opportunities for grant funding toward clinical trial costs may also be available for clinical trials of drugs for rare diseases, regardless of whether the drugs are designated for the orphan use. In addition, if a product that has Orphan Drug Designation subsequently receives the first FDA approval for the disease for which it has such designation, the product is entitled to orphan drug exclusivity, which means that the FDA may not approve any other applications to market the same product for the same indication for sevenÂ years, except in limited circumstances. For large molecule drugs, including gene therapies, sameness is determined based on the principal molecular structural features of a product. 77 Table of ContentsAs applied to gene therapies, the FDA has recently issued final guidance in which it stated it generally intends to consider certain key features, such as the transgenes expressed by the gene therapy and the vectors used to deliver the transgene, to be principal molecular structural features. With regard to vectors, the FDA generally intends to consider whether two vectors from the same viral class are the same or different on a case-by-case basis. The FDA does not intend to consider minor differences between transgenes and vectors to be different principal molecular structural features. When two gene therapy products express the same transgene and have or use the same vector, determining whether two gene therapies are the same drug may also depend on additional features of the final gene therapy product, such as regulatory elements and the cell type that is transduced (for genetically modified cells). In such cases, FDA generally intends to determine whether two gene therapy products are different on a case-by-case basis.â€‹Although we have obtained Orphan Drug Designation for our clinical product candidates, and even if we obtain Orphan Drug Designation for additional product candidates in specific indications, we may not be the first to obtain marketing approval of these product candidates for the orphan-designated indication due to the uncertainties associated with developing pharmaceutical products. If a competitor with a product that is determined by the FDA to be the same as one of our product candidates obtains marketing approval before us for the same indication we are pursuing and obtains orphan drug exclusivity, our product candidate may not be approved until the period of exclusivity ends unless we are able to demonstrate that our product candidate is clinically superior. Even after obtaining approval, we may be limited in our ability to market our product. In addition, exclusive marketing rights in the United States may be limited if we seek approval for an indication broader than the orphan-designated indication or may be lost if the FDA later determines that the request for designation was materially defective or if the manufacturer is unable to assure sufficient quantities of the product to meet the needs of patients with the rare disease or condition. Further, even if we obtain orphan drug exclusivity for a product, that exclusivity may not effectively protect the product from competition because different drugs with different principal molecular structural features can be approved for the same condition. Even after an orphan product is approved, the FDA can subsequently approve the same drug with the same principal molecular structural features for the same condition if the FDA concludes that the later drug is safer, more effective or makes a major contribution to patient care. Orphan Drug Designation neither shortens the development time or regulatory review time of a drug nor gives the drug any advantage in the regulatory review or approval process. In addition, while we may seek Orphan Drug Designation for some of our product candidates, we may never receive such designations. Similarly, the European Commission may also designate a product as an orphan drug under certain circumstances. â€‹Any product candidate for which we obtain marketing approval will be subject to extensive post-marketing regulatory requirements and could be subject to post-marketing restrictions or withdrawal from the market, and we may be subject to penalties if we fail to comply with regulatory requirements or if we experience unanticipated problems with our product candidates, when and if any of them are approved.Our product candidates and the activities associated with their development and potential commercialization, including their testing, manufacture, recordkeeping, labeling, storage, approval, advertising, promotion, sale and distribution, are subject to comprehensive regulation by the FDA and other regulatory authorities. These requirements include submissions of safety and other post-marketing information and reports, registration and listing requirements, cGMPs, requirements relating to manufacturing, quality control, quality assurance and corresponding maintenance of records and documents, including periodic inspections by the FDA and other regulatory authorities and requirements regarding the distribution of samples to physicians and recordkeeping.The FDA may also impose requirements for costly post-marketing studies or clinical trials and surveillance to monitor the safety or efficacy of any approved product. The FDA closely regulates the post-approval marketing and promotion of drugs and biologics to ensure drugs and biologics are marketed only for the approved indications and in accordance with the provisions of the approved product labeling. The FDA imposes stringent restrictions on manufacturersâ€™ communications regarding use of their products. If we promote our product candidates beyond their potentially approved indications, we may be subject to enforcement action for off-label promotion. Violations of the Federal Food, Drug, and Cosmetic Act relating to the promotion of prescription drugs may lead to investigations alleging violations of federal and state healthcare fraud and abuse laws, as well as state consumer protection laws.78 Table of ContentsIn addition, later discovery of previously unknown adverse events or other problems with our product candidates, manufacturers or manufacturing processes, or failure to comply with regulatory requirements, may yield various results, including:â—restrictions on such product candidates, manufacturers or manufacturing processes;â—restrictions on the labeling or marketing of a product;â—restrictions on product distribution or use;â—requirements to conduct post-marketing studies or clinical trials;â—warning or untitled letters;â—withdrawal of any approved product from the market;â—refusal to approve pending applications or supplements to approved applications that we submit;â—recall of product candidates;â—fines, restitution or disgorgement of profits or revenues;â—suspension or withdrawal of marketing approvals;â—refusal to permit the import or export of our product candidates;â—product seizure; orâ—injunctions or the imposition of civil or criminal penalties.â€‹Non-compliance with European requirements regarding safety monitoring or pharmacovigilance, and with requirements related to the development of products for the pediatric population, can also result in significant financial penalties. Similarly,

failure to comply with requirements regarding the protection of personal information can also lead to significant penalties and sanctions.Our product candidates for which we intend to seek approval may face competition from biosimilars approved through an abbreviated regulatory pathway.â€‹The Patient Protection and Affordable Care Act, as amended by the Health Care and Education Reconciliation Act of 2010, or the ACA, includes a subtitle called the Biologics Price Competition and Innovation Act of 2009, or BPCIA. The BPCIA created an abbreviated pathway for the approval of biosimilar and interchangeable biological products. The abbreviated regulatory pathway establishes legal authority for the FDA to review and approve biosimilar biologics, including the possible designation of a biosimilar as interchangeable based on its similarity to an existing reference product. Under the BPCIA, an application for a biosimilar product cannot be approved by the FDA until 12Â years after the original branded product is approved under a BLA. The law is complex and is still being interpreted and implemented by the FDA. As a result, its ultimate impact, implementation, and meaning are subject to uncertainty. We believe that if any of our product candidates is approved as a biological product under a BLA, it should qualify for the 12-year period of exclusivity. However, there is a risk that the FDA will not consider any of our product candidates to be reference products for competing products, potentially creating the opportunity for biosimilar competition sooner than anticipated. Additionally, this period of regulatory exclusivity does not apply to companies pursuing regulatory approval via their own traditional BLA, rather than via the abbreviated pathway. Moreover, an interchangeable biosimilar, once approved, may be substituted under existing law for any one of our reference products in a way that is similar to traditional generic substitution; any non-interchangeable biosimilar products may also be substituted by a health care provider but, under existing law, will not be automatically substituted at the pharmacy. The extent of the impact of such substitution will depend on a number of marketplace and regulatory factors that are still developing. Finally, there has been public discussion of potentially decreasing the period of exclusivity from the current 12 years. If such a change were to be enacted, our product candidates, if approved, could have a shorter period of exclusivity than anticipated.â€‹79 Table of ContentsEnacted and future legislation may affect pricing and third-party payment for our product candidates, may increase the difficulty and cost for us to obtain marketing approval of and commercialize our product candidates and may affect the prices we may set. The full effect of recent United States healthcare reform and other changes in the healthcare industry, laws, and regulations and in healthcare spending is currently unknown, and the reform and other changes may adversely affect our business model.In the United States and some foreign jurisdictions, there have been a number of legislative and regulatory changes and proposed changes regarding the healthcare system that could, among other things, affect pricing and third-party payment for our product candidates prevent or delay marketing approval of our product candidates, restrict or regulate post-approval activities and negatively affect our ability to profitably sell any products for which we obtain marketing approval. The commercial potential for our products, if any, could be affected by changes in healthcare spending and policy in the United States and abroad. New laws, regulations, or judicial decisions or new interpretations of existing laws, regulations, or decisions, related to healthcare availability, the method of delivery, or payment for healthcare products and services could adversely affect our business, operations, and financial condition, if and when we are able to obtain marketing approval and commercialize our products.There have been and continue to be a number of initiatives at the U.S. federal and state levels that seek to reduce healthcare costs in general and the cost of pharmaceuticals in particular. For example, the Budget Control Act imposed, subject to certain temporary suspension periods, 2% reductions in Medicare payments to providers per fiscal year starting April 1, 2013 and, due to subsequent legislative amendments to the statute, will remain in effect through 2031, unless additional Congressional action is taken. In December 2020, CMS issued a final rule implementing significant manufacturer price reporting changes under the Medicaid Drug Rebate Program, including an alternative rebate calculation for a line extension that is tied to the price increases of the original drug, and Best Price reporting related to certain value-based purchasing arrangements. Under the American Rescue Plan Act of 2021, effective January 1, 2024, the statutory cap on Medicaid Drug Rebate Program rebates that manufacturers pay to state Medicaid programs is eliminated. Elimination of this cap may, in some cases, require pharmaceutical manufacturers to pay more in rebates than they receive on the sale of products. It is unclear to what extent these regulations or any future legislation or regulations will affect our business, including our ability to generate revenue and achieve profitability.There has been heightened governmental scrutiny over the manner in which manufacturers set prices for their marketed products, which has resulted in several presidential executive orders, Congressional inquiries and proposed and enacted federal and state legislation designed to, among other things, bring more transparency to product pricing, review the relationship between pricing and manufacturer patient programs, reduce the costs of drugs under Medicare, and reform government program reimbursement methodologies for drug products. The FDA released a final rule in September 2020 providing guidance for states to build and submit importation plans for drugs from Canada, and FDA authorized the first such plan in Florida in January 2024.Recently, several healthcare reform initiatives culminated in the enactment of the Inflation Reduction Act, or IRA, in August 2022, which allows, among other things, the U.S. Department of Health and Human Services, or HHS, to negotiate the selling price of a statutorily specified number of drugs and biologics each year that CMS reimburses under Medicare Part B and Part D. Only high-expenditure single-source biologics that have been approved for at least 11 years (7 years for single-source drugs) can qualify for negotiation, with the negotiated price taking effect two years after the selection year. Negotiations for Medicare Part D products begin in 2024 with the negotiated price taking effect in 2026, and negotiations for Medicare Part B products begin in 2026 with the negotiated price taking effect in 2028. In August 2023, HHS announced the ten Medicare Part D drugs and biologics that it selected for negotiations, and by October 1, 2023, each manufacturer of the selected drugs signed a manufacturer agreement to participate in the negotiations. HHS will announce the negotiated maximum fair prices by September 1, 2024, and this price cap, which cannot exceed a statutory ceiling price, will come into effect on January 1, 2026. A drug or biological product that has an orphan drug designation for only one rare disease or condition will be excluded from the IRAâ€™s price negotiation requirements, but loses that exclusion if it has designations for more than one rare disease or condition, or if is approved for an indication that is not within that single designated rare disease or condition, unless such additional designation or such disqualifying approvals are withdrawn by the time CMS evaluates the drug for selection for negotiation. The IRA also 80 Table of Contentsimposes rebates on Medicare Part B and Part D drugs whose prices have increased at a rate greater than the rate of inflation. In addition, the law eliminates the â€œdonut holeâ€ under Medicare Part D beginning in 2025 by significantly lowering the beneficiary maximum out-of-pocket cost and establishing a new manufacturer discount program, which requires manufacturers that want their drugs to be covered by Medicare Part D to provide statutorily defined discounts to Part D enrollees. The IRA also extends enhanced subsidies for individuals purchasing health insurance coverage in ACA marketplaces through plan year 2025. The IRA permits the Secretary of HHS to implement many of these provisions through guidance, as opposed to regulation, for the initial years. Manufacturers that fail to comply with the IRA may be subject to various penalties, some significant, including civil monetary penalties. These provisions are taking effect progressively starting in 2023, although they may be subject to legal challenges. For example, the provisions related to the negotiation of selling prices of high-expenditure single-source drugs and biologics have been challenged in multiple lawsuits. Thus, it is unclear how the IRA will be implemented but it will likely have a significant impact on the pharmaceutical industry and the pricing of our products and product candidates. The adoption of restrictive price controls in new jurisdictions, more restrictive controls in existing jurisdictions or the failure to obtain or maintain timely or adequate pricing could also adversely impact revenue. We expect pricing pressures will continue globally.Further, at the U.S. state level, legislatures are increasingly enacting laws and implementing regulations designed to control pharmaceutical and biological product pricing, including price or reimbursement constraints, discount requirements, marketing cost disclosure and price increase transparency reporting, and programs designed to encourage importation from other countries and bulk purchasing. Additional state and federal healthcare reform measures may be adopted in the future, any of which could limit the amounts that federal and state governments will pay for healthcare products and services or otherwise negatively impact our business model.Our operations and relationships with customers and third-party payors will be subject to applicable anti-kickback, fraud and abuse and other healthcare laws and regulations, which could expose us to penalties including criminal sanctions, civil penalties, contractual damages, reputational harm and diminished profits and future earnings.â€‹Healthcare providers and third-party payors will play a primary role in the recommendation and prescription of any product candidates for which we obtain marketing approval. Our future arrangements with providers, third-party payors and customers may expose us to broadly applicable fraud and abuse and other healthcare laws and regulations that may constrain the business or financial arrangements and relationships through which we market, sell and distribute any product candidates for which we obtain marketing approval.Restrictions under applicable U.S. federal and state healthcare laws and regulations may include the following:â—the federal Anti-Kickback Statute prohibits, among other things, persons and entities from knowingly and willfully soliciting, offering, receiving or providing remuneration, directly or indirectly, in cash or in kind, to induce or reward either the referral of an individual for, or the purchase, order or recommendation of, any good or service, for which payment may be made under federal healthcare programs such as Medicare and Medicaid;â—federal false claims laws, including the federal False Claims Act, imposes criminal and civil penalties, including through civil whistleblower or qui tam actions, against individuals or entities for knowingly presenting, or causing to be presented, to the federal government, claims for payment that are false or fraudulent or making a false statement to avoid, decrease or conceal an obligation to pay money to the federal government;â—the federal Health Insurance Portability and Accountability Act of 1996, or HIPAA, imposes criminal and civil liability for, among other things, knowingly and willfully executing or attempting to execute a scheme to defraud any healthcare benefit program or making false statements relating to healthcare matters;â—HIPAA, as amended by the Health Information Technology for Economic and Clinical Health, or HITECH, Act and its implementing regulations, also imposes obligations, including mandatory contractual terms, on certain types of people and entities with respect to safeguarding the privacy, security and transmission of individually identifiable health information;â—the federal Physician Payment Sunshine Act requires applicable manufacturers of covered drugs, devices, biologics, and medical supplies for which payment is available under Medicare, Medicaid, or the Childrenâ€™s Health Insurance Program, with specific exceptions, to report payments and other transfers of 81 Table of Contentsvalue to physicians (defined to include doctors, dentists, optometrists, podiatrists and chiropractors), physician assistants, certain types of advanced practice nurses, and teaching hospitals, as well as certain ownership and investment interests held by physicians and their immediate family, which includes annual data collection and reporting obligations; andâ—analogous state and foreign laws and regulations, such as state anti-kickback and false claims laws, may apply to sales or marketing arrangements and claims involving healthcare items or services reimbursed by non-governmental third-party payors, including private insurers.â€‹Some state laws require pharmaceutical companies to comply with the pharmaceutical industryâ€™s voluntary compliance guidelines and the relevant compliance guidance promulgated by the federal government and may require drug manufacturers to report information related to payments and other transfers of value to physicians and other healthcare providers or marketing expenditures. Other state laws require reporting of certain pricing information, including price increases and prices of newly launched drugs. State and foreign laws also govern the privacy and security of health information in some circumstances, many of which differ from each other in significant ways and often are not preempted by HIPAA, thus complicating compliance efforts.Efforts to ensure that our business arrangements with third parties will comply with applicable healthcare laws and regulations will involve substantial costs. It is possible that governmental authorities will conclude that our business practices may not comply with current or future statutes, regulations or case law involving applicable fraud and abuse or other healthcare laws and regulations. If our operations are found to be in violation of any of these laws or any other governmental regulations that may apply to us, we may be subject to significant civil, criminal and administrative penalties, damages, fines, imprisonment, exclusion of product candidates from government-funded healthcare programs, such as Medicare and Medicaid, disgorgement, oversight monitoring, contractual damages, reputational harm, diminished profits and future earnings, and the curtailment or restructuring of our operations. If any of the physicians or other healthcare providers or entities with whom we expect to do business is found to be not in compliance with applicable laws, they may be subject to criminal, civil or administrative sanctions, including exclusions from government-funded healthcare programs.Risks Related to Employee Matters, Managing Growth and Other Risks Related to Our Businessâ€‹Our future success depends on our ability to retain key executives and to attract, retain and motivate qualified personnel.â€‹We are highly dependent on the research and development, clinical and business development expertise of our management, scientific and clinical team. We also benefit from the research expertise of Dr.Â Wilson, who also serves as a consultant to the Company as Scientific Advisor. In his capacity as Scientific Advisor, Dr. Wilson is not involved in day-to-day operations and does not have the ability to control or significantly influence the management or operating policies of the Company. Although we have entered into a consulting agreement with Dr.Â Wilson, he may terminate his relationship with us at any time. Although we have entered into employment letter agreements or employment agreements with our executive officers, each of them may terminate their employment with us at any time. We do not maintain â€œkey personâ€ insurance for any of our executives or other employees. In addition, we rely on consultants and advisors, including scientific and clinical advisors, to assist us in formulating our research and development and manufacturing strategy. Our consultants and advisors may be employed by employers other than us and may have commitments under consulting or advisory contracts with other entities that may limit their availability to us. If we are unable to continue to attract and retain high quality personnel, our ability to pursue our growth strategy will be limited.Recruiting and retaining qualified scientific, clinical, manufacturing and, if needed, sales and marketing personnel will also be critical to our success. The loss of the services of our executive officers or other key employees could impede the achievement of our research, development and commercialization objectives and seriously harm our ability to successfully implement our business strategy. Furthermore, replacing executive officers and key employees may be difficult and may take an extended period of time because of the limited number of individuals in our industry with the breadth of skills and experience required to successfully develop, gain regulatory approval of and commercialize drugs, particularly within the gene therapy space. Competition to hire from this limited pool is intense, and we may be unable to hire, train, retain or motivate these key personnel on acceptable terms given the competition among numerous 82 Table of Contentspharmaceutical and biotechnology companies for similar personnel. We also experience competition for the hiring of scientific and clinical personnel from universities and research institutions. Failure to succeed in clinical trials may make it more challenging to recruit and retain qualified scientific personnel. Further, the reductions in our workforce announced in March 2022, November 2022, and July 2023 may also make retention of our current personnel both more important and more challenging. These workforce reductions resulted in the loss of longer-term employees, the loss of institutional knowledge and expertise and the reallocation and combination of certain roles and responsibilities across the organization, all of which could adversely affect our operations. Given the complexity of our business, we must continue to implement and improve our managerial, operational and financial systems, manage our facilities and continue to recruit and retain qualified personnel. Given the complexity of our business, we must continue to implement and improve our managerial, operational and financial systems, manage our facilities and continue to recruit and retain qualified personnel.We may be required to expand our manufacturing, development and regulatory capabilities in the future, and as a result, we may encounter difficulties in managing our growth, which could disrupt our operations.â€‹We may be required to expand our manufacturing, development and regulatory capabilities in the future, which could result in growth to the number of our employees and the scope of our operations, particularly in the areas of manufacturing and clinical strategy, and growing our capability to conduct clinical trials. We may not be able to effectively manage the expansion of our operations in the future or recruit and train additional qualified personnel. The expansion of our operations may lead to significant costs and may divert our management and business development resources. Any inability to manage growth could delay the execution of our business plans or disrupt our operations.Our internal computer systems, or those of our third-party collaborators or other contractors, may fail or suffer security breaches and cyber attacks, which could result in a material disruption of our development programs.â€‹We believe that we take reasonable steps that are designed to protect the security, integrity and confidentiality of the information we collect, use, store, and disclose, but inadvertent or unauthorized data access may occur despite our efforts. For example, our system protections may be ineffective or inadequate, or we could be impacted by software bugs or other technical malfunctions, as well as employee error or malfeasance. Additionally, privacy and data protection laws are evolving, and it is possible that these laws may be interpreted and applied in a manner that is inconsistent with our data handling safeguards and practices that could result in fines, lawsuits, and other penalties, and significant changes to our or our third-party partners business practices and products and service offerings. To the extent that the measures we or our third-party business partners have taken prove to be insufficient or inadequate, we may become subject to litigation, breach notification obligations, or regulatory or administrative sanctions, which could result in significant fines, penalties, damages, harm to our reputation or loss of patients. While we have not experienced any material losses as a result of any system failure, accident or security breach to date, we have been the subject of certain phishing attempts in the past. If such an event were to occur and cause interruptions in our operations, it could result in a material disruption of our development programs and our business operations, whether due to a loss of our trade secrets or other proprietary information or other similar disruptions. Additionally, a party who circumvents our security measures could, among other effects, appropriate patient information or other proprietary data, cause interruptions in our operations, or expose patients to hacks, viruses, and other disruptions. For example, the loss of clinical trial data from completed or future clinical trials could result in delays in our regulatory approval efforts and significantly increase our costs to recover or reproduce the data. In addition, insurance coverage

to compensate for any losses associated with such events may not be adequate to cover all potential losses. The development and maintenance of these systems, controls and processes is costly and requires ongoing monitoring and updating as technologies change and efforts to overcome security measures become increasingly sophisticated.â€‹To the extent that any disruption, security breach, or cyber-attack were to result in a loss of, or damage to, our data or applications, or inappropriate disclosure of personal, confidential or proprietary information, we could incur liability, our competitive position could be harmed and the further development and commercialization of our product candidates could be delayed. Depending on the nature of the information compromised, in the event of a data breach or other unauthorized access to our patient data, we may also have obligations to notify patients and regulators about the incident, and we may need to provide some form of remedy, such as a subscription to credit monitoring services, pay significant 83 Table of Contentsfines to one or more regulators, or pay compensation in connection with a class-action settlement (including under the new private right of action under the California Consumer Privacy Act of 2018, or the CCPA, which is expected to increase security breach litigation). Such breach notification laws continue to evolve and may be inconsistent from one jurisdiction to another. Complying with these obligations could cause us to incur substantial costs and could increase negative publicity surrounding any incident that compromises patient data. Additionally, the financial exposure from the events referenced above could either not be insured against or not be fully covered through any insurance that we may maintain, and there can be no assurance that the limitations of liability in any of our contracts would be enforceable or adequate or would otherwise protect us from liabilities or damages as a result of the events referenced above. Any of the foregoing could have an adverse effect on our business, reputation, operating results, and financial condition. â€‹Our ability to utilize our net operating loss carryforwards may be subject to limitation.â€‹As of December 31, 2023, we had federal net operating loss, or NOL, carryforwards of $265.5 million. $0.3 million of the federal NOLs will begin to expire in 2037, if not used prior to that date, and the remainder will carryforward indefinitely. â€‹As of December 31, 2023, we had state NOL carryforwards of $265.5 million, which will begin to expire in 2037, and expire through 2043. â€‹As of December 31, 2023, we had local NOL carryforwards of $214.5 million, which began to expire in 2024, and expire through 2043. â€‹To the extent that we continue to generate taxable losses, unused losses will carry forward to offset future taxable income, if any. Under legislative changes made by U.S. federal tax legislation, commonly referred to as the Tax Cuts and Jobs Act, or the TCJA, U.S. federal net operating losses incurred in 2018 and in future years may be carried forward indefinitely, but the ability to utilize such federal net operating losses to offset taxable income is limited to 80% of our taxable income before the deduction for such net operating loss carryovers. It is uncertain if and to what extent various states will conform to the TCJA.â€‹Under Sections 382 and 383 of the Internal Revenue Code of 1986, as amended, or the IRC, if a corporation undergoes an â€œownership change,â€ generally defined as a greater than 50% change (by value) in its equity ownership over a three-year period, the corporationâ€™s ability to use its pre-change NOLs and other pre-change tax attributes (such as research tax credits) to offset its post-change income and post-change liability may be limited. We have not undertaken a Section 382 study, and it is possible that we have previously undergone one or more ownership changes so that our use of net operating losses is subject to limitation. We may experience ownership changes in the future as a result of subsequent shifts in our stock ownership. As a result, if we earn net taxable income, our ability to use our pre-change NOLs to offset U.S. federal taxable income may be subject to limitations, which could potentially result in increased future tax liability to us. In addition, at the state level, there may be periods during which the use of NOLs is suspended or otherwise limited, which could accelerate or permanently increase state taxes owed. â€‹U.S. federal income tax reform and changes in other tax laws could adversely affect us. â€‹Tax laws are being re-examined and evaluated globally, and tax authorities are increasingly scrutinizing the tax positions of companies. Changes in tax laws and regulations in federal, state, local, and foreign jurisdictions could have material adverse impacts on our business, cash flows, operating results, or financial condition, and could materially affect our tax obligations and effective tax rate. For example, the Tax Cuts and Jobs Act significantly reformed the Internal Revenue Code of 1986, as amended, or the Code. This legislation, among other things, included changes to U.S. federal tax rates, imposed significant additional limitations on the deductibility of interest and the use of net operating losses generated in tax years beginning after December 31, 2017. Beginning in 2022, the Tax Cuts and Jobs Act also eliminated the option to immediately deduct research and development expenditures and required taxpayers to amortize domestic expenditures over five years and foreign expenditures over fifteen years. Changes in corporate tax rates, the realization of net deferred tax assets, and the deductibility of expenses under the Tax Cuts and Jobs Act or future changes in tax laws could have a material impact on the value of our deferred tax assets, could result in significant one-time charges in the current or future taxable years, and could increase our future U.S. tax expense. In addition, it is uncertain if and to what extent 84 Table of Contentsvarious states will conform to the Tax Cuts and Jobs Act or any newly enacted federal tax legislation. Changes in tax laws or regulations in the various tax jurisdictions we are subject to that are applied adversely to us or our clients could increase the costs of our products and harm our business.Additionally, we use our best judgment in attempting to quantify and reserve for our tax obligations. However, a challenge by a taxing authority, a limitation on our ability to utilize tax benefits such as carryforwards or tax credits, or a deviation from other tax-related assumptions could have a material adverse effect on our business, results of operations, or financial condition.Our employees, principal investigators, CROs and consultants may engage in misconduct or other improper activities, including non-compliance with regulatory standards and requirements and insider trading.â€‹We are exposed to the risk of fraud or other misconduct by our employees, principal investigators, consultants and commercial partners. Misconduct by these parties could include intentional failures to comply with the regulations of FDA and ex-U.S. regulators, provide accurate information to the FDA and ex-U.S. regulators, comply with healthcare fraud and abuse laws and regulations in the United States and abroad, report financial information or data accurately or disclose unauthorized activities to us. In particular, pricing, discounting, sales, marketing and business arrangements in the healthcare industry are subject to extensive laws and regulations intended to prevent fraud, misconduct, kickbacks, self-dealing and other abusive practices. These laws and regulations may restrict or prohibit a wide range of pricing, discounting, marketing and promotion, sales commission, customer incentive programs and other business arrangements. Such misconduct could also involve the improper use of information obtained in the course of clinical studies, which could result in regulatory sanctions and cause serious harm to our reputation. We have adopted a code of conduct applicable to all of our employees, but it is not always possible to identify and deter employee misconduct, and the precautions we take to detect and prevent this activity may not be effective in controlling unknown or unmanaged risks or losses or in protecting us from governmental investigations or other actions or lawsuits stemming from a failure to comply with these laws or regulations. If any such actions are instituted against us, and we are not successful in defending ourselves or asserting our rights, those actions could have a significant impact on our business, including the imposition of significant fines or other sanctions.Product liability lawsuits against us could cause us to incur substantial liabilities and could limit commercialization of any product candidates that we may develop.â€‹We will face an inherent risk of product liability exposure related to the testing of our product candidates in clinical trials and will face an even greater risk if we commercialize any of our product candidates. If we cannot successfully defend ourselves against claims that our product candidates caused injuries, we could incur substantial liabilities. Regardless of merit or eventual outcome, liability claims may result in:â—decreased demand for any product candidates that we may develop;â—injury to our reputation and significant negative media attention;â—initiation of investigations by regulators;â—withdrawal of clinical trial participants;â—significant time and expenses to defend the related litigation;â—diversion of management and scientific resources from our business operations;â—substantial monetary awards to trial participants or patients;â—loss of revenue; andâ—the inability to commercialize any product candidates that we may develop.â€‹We currently hold limited product liability insurance coverage. We will need to purchase additional product liability insurance coverage as we expand our clinical trials, and if we commence commercialization of our product candidates. Insurance coverage is increasingly expensive. We may not be able to maintain insurance coverage at a reasonable cost or in an amount adequate to satisfy any liability that may arise. A successful product liability claim or series of claims brought against us, could decrease our cash and adversely affect our business and financial condition.85 Table of ContentsWe are subject to U.S. and certain foreign export and import controls, sanctions, embargoes, anti-corruption laws, and anti-money laundering laws and regulations. Compliance with these legal standards could impair our ability to compete in domestic and international markets. We can face criminal liability and other serious consequences for violations that can harm our business.â€‹We are subject to export control and import laws and regulations, including the U.S. Export Administration Regulations, U.S. Customs regulations, various economic and trade sanctions regulations administered by the U.S. Treasury Departmentâ€™s Office of Foreign Assets Controls, the U.S. Foreign Corrupt Practices Act of 1977, as amended, the U.S. domestic bribery statute contained in 18 U.S.C. Â§ 201, the U.S. Travel Act, the USA PATRIOT Act, and other state and national anti-bribery and anti-money laundering laws in the countries in which we conduct activities. Anti-corruption laws are interpreted broadly and prohibit companies and their employees, agents, contractors, and other partners from authorizing, promising, offering, or providing, directly or indirectly, improper payments or anything else of value to recipients in the public or private sector. We may engage third parties for clinical trials outside of the United States, to sell our products abroad once we enter a commercialization phase, and/or to obtain necessary permits, licenses, patent registrations, and other regulatory approvals. We have direct or indirect interactions with officials and employees of government agencies or government-affiliated hospitals, universities, and other organizations. We can be held liable for the corrupt or other illegal activities of our employees, agents, contractors, and other partners, even if we do not explicitly authorize or have actual knowledge of such activities. Any violations of the laws and regulations described above may result in substantial civil and criminal fines and penalties, imprisonment, the loss of export or import privileges, debarment, tax reassessments, breach of contract and fraud litigation, reputational harm, and other consequences.Risks Related to Our Common Stockâ€‹The price of our common stock may be volatile and fluctuate substantially, which could result in substantial losses for holders of our common stock.â€‹Our stock price has been and is likely to continue to be volatile. The stock market in general and the market for biotechnology companies in particular have experienced extreme volatility that has often been unrelated to the operating performance of particular companies. The market price for our common stock may be influenced by many factors, including:â—results of preclinical studies or clinical trials of our product candidates or those of our competitors;â—unanticipated or serious safety concerns related to the use of any of our product candidates;â—adverse regulatory decisions, including failure to receive regulatory approval for any of our product candidates;â—the success of competitive drugs or technologies;â—regulatory or legal developments in the United States and other countries applicable to our product candidates;â—the size and growth of our prospective patient populations;â—developments concerning our collaborators, our external manufacturers or in-house manufacturing capabilities;â—inability to obtain adequate product supply for any product candidate for preclinical studies, clinical trials or future commercial sale or inability to do so at acceptable prices;â—developments or disputes concerning patent applications, issued patents or other proprietary rights;â—the recruitment or departure of key personnel;â—the level of expenses related to any of our product candidates or clinical development programs;â—the results of our efforts to discover, develop, acquire or in-license additional product candidates or drugs;â—actual or anticipated changes in estimates as to financial results, development timelines or recommendations by securities analysts or publications of research reports about us or our industry;â—variations in our financial results or those of companies that are perceived to be similar to us;â—changes in the structure of healthcare payment systems;â—market conditions in the biotechnology sector;86 Table of Contentsâ—our cash position or the announcement or expectation of additional financing efforts;â—health pandemics could adversely impact our business, including our clinical trials and clinical trial operations;â—general economic, industry and market conditions, including rising interest rates, market volatility, a potential federal government shutdown and inflation;â—general economic uncertainty and capital markets disruptions, which has been substantially impacted by geopolitical instability due to the ongoing military conflicts around the world; andâ—other factors, including those described in this â€œRisk Factorsâ€ section, many of which are beyond our control.â€‹Our executive officers, directors, principal stockholders and their affiliates exercise significant influence over our company, which will limit your ability to influence corporate matters and could delay or prevent a change in corporate control.â€‹As of JuneÂ 30,Â 2024, our executive officers, directors, beneficial owners of 5% or more of our capital stock and their respective affiliates beneficially owned shares representing a substantial portion of our capital stock.This group of stockholders may have the ability to control us through this ownership position and may be able to determine all matters requiring stockholder approval. For example, these stockholders may be able to control elections of directors, amendments of our organizational documents or approval of any merger, sale of assets or other major corporate transaction. This may prevent or discourage unsolicited acquisition proposals or offers for our common stock that you may feel are in your best interest as one of our stockholders. The interests of this group of stockholders may not always coincide with your interests or the interests of other stockholders and they may act in a manner that advances their best interests and not necessarily those of other stockholders, including seeking a premium value for their common stock, and might affect the prevailing market price for our common stock.The price of our common stock does not meet the requirements for continued listing on The Nasdaq Global Select Market. If we fail to regain compliance with the minimum listing requirements, our common stock will be subject to delisting. Our ability to publicly or privately sell equity securities and the liquidity of our common stock could be adversely affected if our common stock is delisted.The continued listing standards of The Nasdaq Global Select Market, require, among other things, that the minimum bid price of a listed companyâ€™s stock be at or above $1.00. If the closing minimum bid price is below $1.00 for a period of more than 30 consecutive trading days, the listed company will fail to be in compliance with Nasdaqâ€™s listing rules and, if it does not regain compliance within the grace period, will be subject to delisting. We cannot provide any guarantee that we will regain compliance during the grace period or be able to maintain compliance with Nasdaqâ€™s listing requirements in the future. If we are not able to regain compliance during the grace period, or any extension of the grace period for which we may be eligible, our common stock will be subject to delisting. Delisting from The Nasdaq Global Select Market could adversely affect our ability to raise additional financing through the public or private sale of equity securities, would significantly affect the ability of investors to trade our securities and would negatively affect the value and liquidity of our common stock. Delisting could also have other negative results, including the potential loss of confidence by employees, the loss of institutional investor interest and fewer business development opportunities.Because we do not anticipate paying any cash dividends on our common stock in the foreseeable future, capital appreciation, if any, will be your sole source of gain.â€‹We have never declared or paid any cash dividends on our common stock and do not currently intend to do so for the foreseeable future. We currently anticipate that we will retain future earnings for the development, operation and expansion of our business and do not anticipate declaring or paying any cash dividends for the foreseeable future. Any return to stockholders will be limited to the appreciation of stock. Therefore, the success of an investment in shares of our common stock will depend upon any future appreciation in value of the stock. We cannot guarantee you that shares of our common stock will appreciate in value or even maintain the price at which our stockholders have purchased their shares.87 Table of ContentsIf we fail to establish and maintain proper and effective internal control over financial reporting in the future, our ability to produce accurate and timely financial statements could be impaired, which could harm our operating results, investorsâ€™ views of us and, as a result, the value of our common stock.â€‹Pursuant to SectionÂ 404 of the Sarbanes-Oxley Act of 2002, or Sarbanes-Oxley Act, we are required to furnish a report by our management on our internal control over financial reporting within our Form 10-K. However, while we remain either a small reporting or emerging growth company, we will not be required to include an attestation report on internal control over financial reporting issued by our independent registered public accounting firm. Ensuring that we have adequate internal financial and accounting controls and procedures in place so that we can produce accurate financial statements on a timely basis is a costly and time-consuming effort that will need to be frequently evaluated. Our failure to maintain the effectiveness of our internal controls in accordance with the requirements of the Sarbanes-Oxley Act could have a material adverse effect on our business. If we identify one or more material weaknesses, it could result in an adverse reaction in the financial markets due to a loss of confidence in the reliability of our financial statements. In addition, if we are not able to continue to meet these requirements, we may not be able to remain listed on Nasdaq.We expect to hire additional personnel and may utilize external temporary resources to implement, document and modify policies and procedures to maintain effective internal controls. However, it is possible that we may identify deficiencies and weaknesses in our internal controls. If material weaknesses or deficiencies in our internal controls exist and go undetected or unremediated, our financial statements could contain material misstatements that, when discovered in the future, could cause us to fail to meet our future reporting obligations and cause the price of our common stock to decline.We will continue to incur increased costs as a result of operating as a public company and our management will continue to be required to devote substantial time to new compliance initiatives.â€‹As a public company, particularly after we are no longer an â€œemerging growth company,â€ we will continue to incur significant legal, accounting and other expenses. In addition, the Sarbanes-Oxley Act and rulesÂ subsequently implemented by the SEC and Nasdaq have imposed various requirements on public companies, including establishment and maintenance of effective disclosure and financial controls and corporate governance practices. Our management and other personnel will need to devote a substantial amount of time to these compliance initiatives. Moreover, these rulesÂ and regulations will increase our legal and financial compliance costs and will make some activities more time-consuming and costly. We are an â€œemerging growth companyâ€ and â€œsmaller reporting company,â€ and the reduced disclosure requirements applicable to emerging growth companies and smaller reporting companies may make our common stock less attractive to investors.We are an â€œemerging growth company,â€ as defined in the

Jumpstart Our Business Startups Act of 2012, or the JOBS Act. We will remain an emerging growth company until the earlier of (i)Â the last day of the fiscalÂ year in which we have total annual gross revenue of $1.235 billion or more; (ii)Â DecemberÂ 31, 2025; (iii)Â the date on which we have issued more than $1.0 billion in nonconvertible debt during the previous threeÂ years; or (iv)Â the date on which we are deemed to be a large accelerated filer under the rulesÂ of the SEC, which means the market value of our common stock that is held by non-affiliates exceeds $700.0 million as of the last business day of our most recently completed second fiscal quarter. For so long as we remain an emerging growth company, we are permitted and intend to rely on exemptions from certain disclosure requirements that are applicable to other public companies that are not emerging growth companies. These exemptions include:â—not being required to comply with the auditor attestation requirements of SectionÂ 404 of the Sarbanes-Oxley Act;â—not being required to comply with any requirement that may be adopted by the Public Company Accounting Oversight Board regarding mandatory audit firm rotation or a supplement to the auditorâ€™s report providing additional information about the audit and the financial statements;â—being permitted to present only twoÂ years of audited financial statements in addition to any required unaudited interim financial statements with correspondingly reduced â€œManagementâ€™s Discussion and Analysis of Financial Condition and Results of Operationsâ€ disclosure in this Form 10-Q;â—reduced disclosure obligations regarding executive compensation; and88 Table of Contentsâ—exemptions from the requirements of holding a nonbinding advisory vote on executive compensation and shareholder approval of any golden parachute payments not previously approved.â€‹We may choose to take advantage of some, but not all, of the available exemptions. Even after we no longer qualify as an emerging growth company, we may still qualify as a smaller reporting company, which would allow us to take advantage of many of the same exemptions from disclosure requirements, including not being required to comply with the auditor attestation requirements of SectionÂ 404 of the Sarbanes-Oxley Act and reduced disclosure obligations regarding executive compensation in our periodic reports and proxy statements. We cannot predict if investors will find our common stock less attractive because we may rely on these exemptions. If some investors find our common stock less attractive as a result, there may be a less active trading market for our common stock and our stock price may be more volatile.In addition, the JOBS Act provides that an emerging growth company can take advantage of an extended transition period for complying with new or revised accounting standards. This allows an emerging growth company to delay the adoption of certain accounting standards until those standards would otherwise apply to private companies. We have elected to avail ourselves of this exemption from new or revised accounting standards and, therefore, we will not be subject to the same adoption timelines for new or revised accounting standards as other public companies that are not emerging growth companies.We are also a â€œsmaller reporting company,â€ meaning that the market value of our stock held by non-affiliates is less than $700.0 million and our annual revenue is less than $100.0 million during the most recently completed fiscalÂ year. We will continue to be a smaller reporting company if either (i)Â the market value of our stock held by non-affiliates is less than $250.0 million or (ii)Â our annual revenue is less than $100.0 million during the most recently completed fiscalÂ year and the market value of our stock held by non-affiliates is less than $700.0 million. If we are a smaller reporting company at the time we cease to be an emerging growth company, we may continue to rely on exemptions from certain disclosure requirements that are available to smaller reporting companies. Specifically, as a smaller reporting company we may choose to present only the two most recent fiscalÂ years of audited financial statements in our Annual Report on FormÂ 10-K and, similar to emerging growth companies, smaller reporting companies have reduced disclosure obligations regarding executive compensation.The exclusive forum provisions in our restated certificate of incorporation and amended and restated bylaws may limit a stockholderâ€™s ability to bring a claim in a judicial forum that it finds favorable for disputes with us or any of our directors, officers, or other employees, which may discourage lawsuits with respect to such claims.â€‹Our restated certificate of incorporation, to the fullest extent permitted by law, provides that the Court of Chancery of the State of Delaware will be the exclusive forum for: any derivative action or proceeding brought on our behalf; any action asserting a breach of fiduciary duty; any action asserting a claim against us arising pursuant to the Delaware General Corporation Law, or the DGCL, our restated certificate of incorporation, or our restated bylaws; or any action asserting a claim against us that is governed by the internal affairs doctrine. This exclusive forum provision does not apply to suits brought to enforce a duty or liability created by the Securities Exchange Act of 1934, as amended, or the Exchange Act. It could apply, however, to a suit that falls within one or more of the categories enumerated in the exclusive forum provision and asserts claims under the Securities Act, inasmuch as SectionÂ 22 of the Securities Act, creates concurrent jurisdiction for federal and state courts over all suits brought to enforce any duty or liability created by the Securities Act or the ruleÂ and regulations thereunder. There is uncertainty as to whether a court would enforce such provision with respect to claims under the Securities Act, and our stockholders will not be deemed to have waived our compliance with the federal securities laws and the rulesÂ and regulations thereunder.In MarchÂ 2020,Â we amended and restated our restated bylaws to provide that the federal district courts of the United States of America will, to the fullest extent permitted by law, be the exclusive forum for resolving any complaint asserting a cause of action arising under the Securities Act, or a Federal Forum Provision. Our decision to adopt a Federal Forum Provision followed a decision by the Supreme Court of the State of Delaware holding that such provisions are facially valid under Delaware law. While there can be no assurance that federal or state courts will follow the holding of the Delaware Supreme Court or determine that the Federal Forum Provision should be enforced in a 89 Table of Contentsparticular case, application ofÂ the Federal Forum Provision means that suits brought by our stockholders to enforce any duty or liability created by the Securities Act must be brought in federal court and cannot be brought in state court.These choice of forum provisions may limit a stockholderâ€™s ability to bring a claim in a judicial forum that it finds favorable for disputes with us or any of our directors, officers, or other employees, which may discourage lawsuits with respect to such claims. Alternatively, if a court were to find the choice of forum provisions contained in our restated certificate of incorporation or amended and restated bylaws to be inapplicable or unenforceable in an action, we may incur additional costs associated with resolving such action in other jurisdictions, which could harm our business, results of operations and financial condition.In addition, SectionÂ 203 of the DGCL may discourage, delay or prevent a change in control of our company. SectionÂ 203 imposes certain restrictions on mergers, business combinations and other transactions between us and holders of 15% or more of our common stock.Provisions in our corporate charter documents and under Delaware law could make an acquisition of us, which may be beneficial to our stockholders, more difficult and may prevent attempts by our stockholders to replace or remove our current management.â€‹Provisions in our restated certificate of incorporation and our restated bylaws may discourage, delay or prevent a merger, acquisition or other change in control of our company that stockholders may consider favorable, including transactions in which you might otherwise receive a premium for your shares. These provisions could also limit the price that investors might be willing to pay in the future for shares of our common stock, thereby depressing the market price of our common stock. In addition, because our board of directors is responsible for appointing the members of our management team, these provisions may frustrate or prevent any attempts by our stockholders to replace or remove our current management by making it more difficult for stockholders to replace members of our board of directors. Among other things, these provisions:â—establish a classified board of directors so that not all members of our board are elected at one time;â—permit only the board of directors to establish the number of directors and fill vacancies on the board;â—provide that directors may only be removed â€œfor causeâ€ and only with the approval of two-thirds of our stockholders;â—require super-majority voting to amend some provisions in our restated certificate of incorporation and restated bylaws;â—authorize the issuance of â€œblank checkâ€ preferred stock that our board could use to implement a stockholder rights plan, also known as a â€œpoison pillâ€;â—eliminate the ability of our stockholders to call special meetings of stockholders;â—prohibit stockholder action by written consent, which requires all stockholder actions to be taken at a meeting of our stockholders;â—prohibit cumulative voting; andâ—establish advance notice requirements for nominations for election to our board or for proposing matters that can be acted upon by stockholders at annual stockholder meetings.â€‹Moreover, we are governed by the provisions of SectionÂ 203 of the DGCL, which prohibits a person who owns in excess of 15% of our outstanding voting stock from merging or combining with us for a period of threeÂ years after the date of the transaction in which the person acquired in excess of 15% of our outstanding voting stock, unless the merger or combination is approved in a prescribed manner.Any of these provisions of our charter documents or Delaware law could, under certain circumstances, depress the market price of our common stock.â€‹90 Table of ContentsGeneral Risk Factorsâ€‹We may be subject to securities litigation, which could result in substantial expenses and could divert management attention.â€‹The market price of our common stock has been and may continue to be volatile. The stock market in general, and Nasdaq and biopharmaceutical companies in particular, have experienced extreme price and volume fluctuations that have often been unrelated or disproportionate to the operating performance of these companies. In the past, companies that have experienced volatility in the market price of their stock have been subject to securities class action litigation. We may be the target of this type of litigation in the future. Securities litigation against us could result in substantial costs and divert our managementâ€™s attention from other business concerns, which could seriously harm our business.If securities analysts do not publish research or reports about our business or if they publish negative evaluations of our stock, the price of our stock could decline.â€‹The trading market for our common stock relies in part on the research and reports that industry or financial analysts publish about us or our business. We do not have any control over the analysts or the content and opinions included in their reports. If one or more of the analysts covering our business downgrade their evaluations of our stock, the trading price of our stock would likely decrease. Even if we do obtain analyst coverage, if one or more of the analysts covering our business downgrade their evaluations of our stock, the price of our stock could decline. If one or more of these analysts cease to cover our stock, we could lose visibility in the market for our stock, which in turn could cause our stock price to decline.We are subject to a variety of privacy and data security laws, and our failure to comply with them could harm our business.â€‹We maintain a large quantity of sensitive information, including confidential business and personal information in connection with the operation of our business, and are subject to laws and regulations governing the privacy and security of such information. In the United States, there are numerous federal and state privacy and data security laws and regulations governing the collection, use, disclosure and protection of personal information, including federal and state health information privacy laws, federal and state security breach notification laws, and federal and state consumer protection laws. Each of these constantly evolving laws can be subject to varying interpretations. Additionally, the SEC and many jurisdictions have enacted or may enact laws and regulations requiring companies to disclose or otherwise provide notifications regarding data security breaches. For example, the SEC recently adopted cybersecurity risk management and disclosure rules, which require the disclosure of information pertaining to cybersecurity incidents and cybersecurity risk management, strategy, and governance. In addition, states are constantly adopting new laws or amending existing laws, requiring attention to frequently changing regulatory requirements with inconsistent or conflicting standards.For example, California has enacted the CCPA, which became operative on January 1, 2020 and became enforceable by the California Attorney General on July 1, 2020. Additionally, in the California Privacy Rights Act, or CPRA, which expands upon the CCPA, became effective on January 1, 2023. The CCPA and CPRA require covered companies to, among other things, provide new disclosures to California users, and affords such users new privacy rights such as the ability to opt-out of certain sales of personal information and expanded rights to access and require deletion of their personal information, opt-out of certain personal information sharing, and receive detailed information about how their personal information is collected, used, and shared. The CCPA and CPRA provide for civil penalties for violations, as well as a private right of action for security breaches that may increase security breach litigation. Potential uncertainty surrounding the CCPA and CPRA may increase our compliance costs and potential liability, particularly in the event of a data breach, and could have a material adverse effect on our business, including how we use personal information, our financial condition, the results of our operations or prospects. Virginiaâ€™s Consumer Data Protection Act, which took effect on January 1, 2023, requires opt-in consent from consumers to acquire and process their sensitive personal information, which includes information revealing a consumerâ€™s physical and mental health diagnosis and genetic and biometric information that can identify a consumer.91 Table of ContentsOther states have passed similar laws, and a number of other states are actively considering bills with similar laws. To the extent multiple state-level laws are later introduced, it may require costly and difficult efforts to achieve compliance with such laws that could expose us to fines and penalties for non-compliance.In the European Economic Area, or the EEA, the General Data Protection Regulation or the GDPR, governs the collection, use, disclosure, transfer or other processing of personal data of European persons. Among other things, the GDPR imposes requirements regarding the security of personal data and notification of data processing obligations to the competent national data processing authorities, changes the lawful bases on which personal data can be processed, expands the definition of personal data and requires changes to informed consent practices, as well as more detailed notices for clinical trial subjects and investigators. In addition, the GDPR increases the scrutiny of transfers of personal data from clinical trial sites located in the EEA to the United States and other jurisdictions that the European Commission does not recognize as having â€œadequateâ€ data protection laws (sometimes referred to as â€œthird countriesâ€), and imposes strict rules subject to substantial fines for breaches and violations (up to the greater of â‚¬20 million or 4% of our annual worldwide gross revenue). These obligations may be interpreted and applied in a manner that is inconsistent from one jurisdiction to another and may conflict with other requirements or our practices.Additionally, in the United Kingdom, or U.K., the Data Protection Act contains provisions, including its own derogations, for how GDPR is applied in the U.K. We have to continue to comply with the GDPR and also the U.K.â€™s Data Protection Act, with each regime having the ability to fine up to the greater of â‚¬20 million (Â£17 million) or 4% of global turnover.As of January 1, 2024, although effective July 10, 2023, the new EU-U.S. Data Privacy Framework, or DPF, has been recognized as adequate under EU law to allow transfers of personal data from the EU (as well as the U.K. and Switzerland) to certified companies in the U.S. However, the DPF is likely to face legal challenge at the Court of Justice of the European Union which could cause the legal requirements for personal data transfers from the Europe to the U.S. to become uncertain once again. We will monitor these legal developments and continue to use best practices to follow established European legal standards to conduct cross-border transfer of personal data.In addition, while the CJEU upheld the adequacy of the standard contractual clauses (a standard form of contract approved by the European Commission as an adequate personal data transfer mechanism, and potential alternative to the Privacy Shield), it made clear that reliance on them alone may not necessarily be sufficient in all circumstances. Use of the standard contractual clauses must now be assessed on a case by case basis, taking into account the legal regime applicable in the destination country, in particular applicable surveillance laws and rights of individuals. The use of standard contractual clauses for the transfer of personal data specifically to the United States remains under review by a number of European data protection supervisory authorities, along with those of some other EU member states. German and Irish supervisory authorities have indicated, and enforced in recent rulings, that the standard contractual clauses alone provide inadequate protection for EU-U.S. data transfers. Further, on June 4, 2021 the European Commission finalized new versions of the Standard Contractual Clauses, with the Implementing Decision now in effect as of June 27, 2021. To comply with the Implementing Decision and the new Standard Contractual Clauses, we may need to implement additional safeguards to further enhance the security of data transferred out of the EEA, conduct data transfer impact assessments, and review existing agreements which could increase our compliance costs, expose us to further regulatory scrutiny and liability, and adversely affect our business. The new standard contractual clauses apply only to the transfer of data outside of the EEA and/or Switzerland and not the United Kingdom, though the U.K.â€™s Information Commissionerâ€™s Officer launched a public consultation on its draft international data transfer agreement in August 2021, and subsequently issued a new international data transfer agreement and addendum which we are required to use under Article 46 of the U.K.GDPR when making restricted data transfers outside of the U.K.The GDPR also confers a private right of action on data subjects and consumer associations to lodge complaints with supervisory authorities, seek judicial remedies and obtain compensation for damages resulting from violations of the GDPR.Compliance with these and any other applicable privacy and data security laws and regulations is a rigorous and time-intensive process, and we may be required to put in place additional mechanisms ensuring compliance with the new data protection rules. If we fail to comply with any such laws or regulations, we may face significant fines and penalties that 92 Table of Contentscould adversely affect our business, financial condition and results of operations. Furthermore, the laws are not consistent, and compliance in the event of a widespread data breach is costly. We generally seek to comply with industry standards and are subject to the terms of our privacy policies and privacy-related obligations to third parties. We strive to comply with all applicable laws, policies, legal obligations and industry codes of conduct relating to privacy and data protection to the extent possible. However, it is possible that these obligations may be interpreted and applied in a manner that is inconsistent from one jurisdiction to another and may conflict with other rules or our practices. Any failure or perceived failure by us, even if unfounded, to comply with applicable privacy and data security laws and regulations, our privacy policies, or our privacy-related obligations to users or other third parties, or any compromise of security that results in the unauthorized release or transfer of personal information or other sensitive data, may result in governmental enforcement actions, litigation, or public statements against us by consumer advocacy groups or others and could cause our users to lose trust in us, which would have an adverse effect on our reputation and business. Any significant change to applicable laws, regulations or industry practices regarding the use or disclosure of our usersâ€™ data, or regarding the manner in which the express or implied consent of users for the use and disclosure of such data is obtained â€“ or in how these applicable laws, regulations or industry practices are interpreted and enforced by state, federal and international privacy regulators â€“ could require us to modify our practices, possibly in a material manner, may subject us to

regulatory enforcement actions and fines, and may limit our ability to operate using the data that was voluntarily shared with us.Unfavorable global economic conditions could adversely affect our business, financial condition or results of operations.â€‹Our results of operations could be adversely affected by general conditions in the global economy and in the global financial markets. For example, the global financial crisis caused extreme volatility and disruptions in the capital and credit markets, and, in recent months, the global economy has been impacted by increasing interest rates and inflation. Likewise, the capital and credit markets may be adversely affected by the ongoing conflicts in Ukraine and the Middle East, the possibility of a wider European or global conflict, global sanctions imposed in response thereto, and potential recessions. Moreover, there has been recent turmoil in the global banking system. For example, in March 2023, Silicon Valley Bank, SVB, was closed by the California Department of Financial Protection and Innovation, which appointed the Federal Deposit Insurance Corporation, or FDIC, as receiver. While we did not hold any cash directly at SVB or other banking institutions that have since failed, we regularly maintain cash balances at third-party financial institutions in excess of the FDIC insurance limit and there is no guarantee that the federal government would guarantee all depositors if such financial institutions were to fail, as they did with SVB depositors, in the event of further bank closures and continued instability in the global banking system. A severe or prolonged economic downturn, such as the global financial crisis, could result in a variety of risks to our business, including, weakened demand for our product candidates and our ability to raise additional capital when needed on acceptable terms, if at all. A weak or declining economy could also strain our suppliers, possibly resulting in supply disruption, or cause our customers to delay making payments for our services. Any of the foregoing could harm our business and we cannot anticipate all of the ways in which the current economic climate and financial market conditions could adversely impact our business.We or the third parties upon whom we depend may be adversely affected by natural disasters and our business continuity and disaster recovery plans may not adequately protect us from a serious disaster.â€‹Natural disasters could severely disrupt our operations and have a material adverse effect on our business, results of operations, financial condition and prospects. If a natural disaster, power outage or other event occurred that prevented us from using all or a significant portion of our headquarters, that damaged critical infrastructure, such as our manufacturing facilities, or that otherwise disrupted operations, it may be difficult or, in certain cases, impossible for us to continue our business for a substantial period of time. In addition, the long-term effects of climate change on general economic conditions and the pharmaceutical industry in particular are unclear, and may heighten or intensify existing risk of natural disasters.Â The disaster recovery and business continuity plans we have in place may prove inadequate in the event of a serious disaster or similar event. We may incur substantial expenses as a result of the limited nature of our disaster recovery and business continuity plans, which could have a material adverse effect on our business.93 Table of ContentsItemÂ 2. Unregistered Sales of Equity Securities, Use of Proceeds, and Issuer Purchases of Equity Securities.Unregistered Sales of Equity SecuritiesNone.ItemÂ 3. Defaults Upon Senior Securities.None.ItemÂ 4. Mine Safety Disclosures.Not applicable.ItemÂ 5. Other Information.Adoption or Termination of 10b5-1 Trading Plansâ€‹On May 9, 2024, William Chou, M.D., a director and officer of the Company, terminated a pre-arranged written stock sale plan in accordance with Rule 10b5-1 under the Exchange Act, for the potential sale of up to 300,000 shares of the Companyâ€™s common stock. The plan was terminated in accordance with the Companyâ€™s policies regarding transactions in the Companyâ€™s securities. The plan was intended to satisfy the affirmative defense conditions of Rule 10b5-1(c) under the Exchange Act and was scheduled to terminate no later than August 30, 2024, or on such earlier date on which all of the trades thereunder had been executed.â€‹Other than as disclosed above, during the fiscal quarter ended June 30, 2024, none of the Companyâ€™s directors or officers adopted or terminated any â€œRule 10b5-1 trading arrangementsâ€ or any â€œnon-Rule 10b5-1 trading arrangements,â€ as each term is defined in Item 408 of Regulation S-K. 94 Table of ContentsItemÂ 6. Exhibits.The exhibits filed or furnished as part of this Quarterly Report on FormÂ 10-Q are set forth on the ExhibitÂ Index below.â€‹â€‹â€‹

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M%+PCK]M>W.G^(M/NK>R@%U<3).-D<)SB4D\;/E/S#CCK21_%+PG+I7]I)KMH MUF9OLX<,!%8'9QN921@XR,]^<]C7 M.1L$D5CT!!KL]8\6:5+K&M:K9B\DNM0B:"..>)42(.NUB2'8L<9 &!USVKHI MJ#B^;^M_^ =%-0<7S?UO_P Y^X\.W9GF6RM;V[BAC21Y/LK*4#*&RPYP.N# MW'-53H]^MBMZ;*Y%FQPMP8FL\G.,!L8Z\5U\7C32Y;FY^UQW,UC+# IM3"I) M>.$('5PX:,A@>1G(//[5$OC/3TU?1=66.Y^T6$%O UEL41.(L#(?=GD#.-O6 MM'3I;\W]?U\S1TZ6_-_7]?,YN?PWJUJVV;2[V%MC28DMW4[5&6;D= .2>U16 MVC:A>F(6]CS,3SQQ M1[.EUD"ITNLCDX?#VJ7#3K%IMY*T#%)0D#DQL.H; X/L:@DTV[B%P7M9T%LP M2BW]K)+/-=7%Y%.)C$D2LD(5Y53@'IP,_ M6KWCO7(K[1=(6,".[OHTO+]4<,&D5?+0G&<$JI;'7Y^>:3IT^5N+V K_ "/)= M.GRMI[?U_D!"11YD;G^%A_G'XUL5R/Q'U M_P#LK2/LL38N+K*Y[JG<_P!*Z<-&YYF9U*-+!U98A7C9W7?R/(R,$C MTI***^]/Y]"BBB@ HHHH [R/X3W,VEZ?.FJVAO;_ $R358+$K(&:*/=O&[;M M#!4=L9Z#KGBN>7P/XC=;)ET#5&6]&;4BRD(G&W=E/E^;Y>>,\SOIL<'?>$->TO M3A?WFB:C:6)*@74]I(D66&5^8C'(Y'K6AJ?@'5$UK5+/2=-U?5(+ @2RMIDD M4D8*Y!DC^8Q]^IZ#-=9J?Q6TW4\9!HKYX=7T6RTZT215CD@$&2PW<+F*0C M&3\PX&3C0\?LV>9M8C=MR<9QTR:]&;XJ^ & MH/".H:;.65U!/=6VGQ)";" ;7@EB>5GN//,.DF[8VT$ #(& .:X#XA>(;;Q9X MYU[6;1)8[6_O9;B))P X5F) 8 D9Y[$TCEQ>'P="@O8SYINWR^)/Y:1>NJO; MN<]1110>(%%%% &-XITLW^GM*@'FP R9/'R@9;]!7!UV/C34A#;)9(WSRX>0 M>B@\#\3S^]:XZO(Q#3J:'U>!C*%!1V6.< RB,JR@@,H/S C!.;CRZ\QW87ZO:;Q'1:>M MU^G_ S,3QS\)M9\&6&F:DMI?7VC7FF66H-J8L72WB:XA63RC)RI*E]NRD1;ACC C)7YRS.V6'P_HOO[' MDH^'WBEM:;1QX:U@ZNL?FFP%A+YX3^]Y>W=CWQ6?#HET^N)I,ZKI]X9Q;.M^ MPMUA?=M/F%\! #U+8Q@YKVT_'#PC#:>(+&QTN73EUFTM!>)H]M/%]HAEE=B MME-*\:(XD&0K\,NX 9P/)?%OB0^,_&5SJNIWUQ<)_>IDHK9G-B*.'I13ISYG?RM;7KO?;6UM?(T/'?POU#P1XPL?#JW5O MK5W?6]K<6TFG[BDPG56C"[@#D[AV[UTC?!K3=8^(MUX0T7Q+;+J,5P=/ABO% MD8W%Q'%F4AT3:J&0,JY.>.?6NCN_B1X5U/X@Z?XNTV\NXY?#GAR&*V@U:UCA M,UY;P1P0&/;*^[+GS-IQ@1GKVY#X:^,_#?@_2-6OY[O5[7QI=[[:VU&WL(KF M.S@==LKH6G0^0<&HZ=*5,K[69UR<,PP2/4C)Y_&FU@>"PHHHH .MH6WQKO- ^&?AGP_H#MI^JZ?/?</<7S6<#2*LY3;Y$[R1G M"L&VE.HY-!U#?U5VZVUOU7Z7.0UOP=R56NEBTV9C &3>I?" *" MGS#.,CGI7I6A_&?PPRZ)I.NV6J3^'%\+Q:+J<=LD?FFXANY;J&6(%P&4,R [MBIP7X/0R67QRT75Y],O]>DUFSU#3/%%QXC1-,@CDCN1)Y16)F:5#'M\D*& ? M"N>.,$.A4<.[/G_KKO\ UNCSZ]^# BZQ\$Z)XL;1+N71=7EEAMIH8'?#(RI\ MV%PNYG 7GYB&QTJWX^#FMZCXEN=%UVTO_"UU'I-WJJ]-@Z/(D,3O@(^TX8 MQE=W.#GKC%=Z/CCX0U]_"-SX@TC40VC>)-3U:?3K)%\B:"\DCD"K)YJ,K1A M^7;A@ -RY.+=]\?O"XET!+:VOY8M-T/6-,=XM)M=/5I+L/Y>R"&0HJ*7P3G) MQGDF@U5'"WYN?33Y[7\UN_N#YZHHHH((BBB@ K1\.>(+[PIK^G:UIDQM]0 MT^X2ZMY5ZK(C!E/YBLZO3OV@_=(*2BE)W?4**RO$4 MVM062MH5I97EWO 9+^X:% OC^T?B\ ] +PW_X-9_\ Y'IV%S'&_ :S_P#R/1_:/Q'_.@%X;_\&L__,CT6#F.YHKAO[1^(_\ MT O#?_@UG_\ D>C^T?B/_P! +PW_.#6?_Y'HL',=S17#?VC\1_^@%X;_P#! MK/_(]'H_$?_H!>&__ :S_P#R/18.8[FBN&_M^XC_/0"\-_^#6?__.1Z M/[1^(_\ T O#?_@UG_\ D>BP&_\ P:S_ /R/18.[FBN&_M^XC_] +PW_P"#6?\ ^1Z/[1^(_P#T O#? M_@UG_P#D>BP&_P#P:S__ M "/18.8[FBN&_M^XC_\0"\- P#@UG_^1Z/[1^(__0"\- \ @UG_ /D>C^T?B\ M] +PW_X-9_\ Y'HL',=S65XC_P"/%\ KH/Y&N_ +1^(_\ T O#?_@UG_\ MD>LW7]0^(ALT\SI/#JCS!]W5)SV/_3"BP2)DP)>4)R(Q_$W8WB6_L+6222" M")=-:QCBAD9%,C\1NSLL8R6 'R@GT;[?X^_Z WA_P &4W_QBC[?X^_Z WA_M_P &4W_QBBPC_R_TOX@WU[<1V^J:)<:\^OQ7%QKM^KVTC'?L%@O^CL5 M?[LA88!&4)',*? WQ/86'BB'3-9L]/D6W>S\-R022(UO!)=-!Z%]O\ 'W_0&\/_/@RF_\ C%'V_P ??] ;P_\ ^#*;_P",46#F M/.O"OP.\1V%XMYJ%U91NWBJVUXV_]IW>H&*".T.!C^T7"^9(^<')'C'0+@"J MG@W]G?5/#VFR:5=K9WBV-C?6>F:O/KNH7,C>>K(I-I)^YMSM;#%"^(K M"VM%U.RM!X+3PZ7"NX-TDT,J.5P-T68F!Y!PW3FM'QG\,O&OCO_(1_6;^' M2+36-'O)G72M,UV^UM9(H(!&VZ&-)5<-E@!$5V_*<_>KM/M_C[_* WA_\ M\&4W_P 8H^W^/O\ H#>'_P#P93?_ !BBPR\HRS/! M:SS3QK)+*\LF))B9)/GD8EVP6))PN=H]"\,_\O/_'^M>8_;_'W_0&V\ M@RF_^,5W'PYFUN:"^.MVEC:3!D\M;&X>92N#R2R+@YI6'>YY9^T'XQ&I:O#H M5M)N@LCOGVG@RD<#\ ?U->0U]@W'P[\,W4\DTVB64LLC%W=H@2Q/4FH_^%:> M%?\ H 6/_?D5\WB,MK8BJZCDM?4^=Q&6UL15=1R6OJ?(5%?7O_"M/"O_$ + M'_OR*\ L?^_(H_X5IX M5_Z %C_WY%'JCU?YE^(?V/5_F7XGR%17UL_PK3PK_P! "Q_[\BC_(5IX5_Z M %C_ -^11_8]7^9?B'JCU?YE^)\A45]>_P#"M/"O_0_L?^_(H_X5IX5_Z %C M_P!^11_8]7^9?B'JCU?YE^)\@22+$C.[!44$ECT KPWQ3K;:]K4]R6)BSLB! M[(.G^/XU^EMQ\+/"-U"\,WAW3Y(G&&1H1@CTK,_X4+\._P#H3=(_\!EKT\%@ M^AFY2=V?,9YPICLTA&E2JQC%:N]]7TZ=#\SJ*_3'_A0OP[_Z$W2/_9:/^%" M_#O_ *$W2/\ P&6O6Y3X_P#XAOC_/G_ \F_R/S.HK],?^%"_#O_N<^A-TC_P 7QJ_P!EH_X4+\._P#H3=(_\!EHY0_XAOC_/G_ \F_R/S.HK],?^%"_#O_H=(_\!EH_X4+\._\ H3=(_P# 9:.4/^(;X_\ Y_P_F_R/S.HK],?^%"_#O\ V$W2 M/_ 9:/\ A0OP[_Z$W2/_&6CE#_(AOC_\ G_#_,F_R/S. MHK],?^%"_#O_ *$W2/\ P&6C_A0OP[_Z$W2/_ 9:.4/^(;X_G_#_P F_P C M\SJ9--';0O+*Z(XU+,1UP*_33_A0OP[_.A-TC_P&6HY_P!G[X;W,1CE\%:/ M)&>]M:K@TG%VT+AX;XU23E7A;Y_Y'\"7J^H7/^&:?A7_T(6A_^ BT?\,T_"O_*$+0_\ P$6CZG+N'^I6+_Y^Q_'_ "/R M'H]K]>/\ AFGX5_\ 0A:'_P" BT?\,T_"O_H0M#_\!%H^IR[A_J5B_P#G[\'?M\C\AZ*_7C_AFGX5_]"%H?_@(M'_#-/PK_P"A"T/_,!%H^IR[A_J5B_^?L?Q M_P C\AZ*_7C_(9I^%?_$(6A_\ @(M'_#-/PK_Z$+0__ 1:/JBOUX_X9I^%?_0A:'_X"+1_PS3*_\ H0M#_P# 1:/JBOUX_P"&:?A7_P!"%H?_(_("+1_PS3*_^A"T/_P$6CZG+N'^ MI6+_.?L?Q_R/R'HK]>/^&:?A7_T(6A_^ BT?\,T_"O_*$+0_\ P$6CZG+N M'^I6+_Y^Q_'_ "/QM\07FMNIZ_/^%8E?M+)^RU(\Y7+/\- 9CU)LUI/^ M&5_A#_P"3]X=;Q3HH\06$)N; MO23J$/VJWB"JYDDBW;D7:RMX=;Q3HH\06$)N; MO23J$/VJWB"JYDDBW;D7:RMX=(@SN\"M_ P/0BN>_ M#_#7Q;X1O/%%AXWT+^P;*?[M/=WT^HPQ16S[RBB1F;";B/ESC<"",@UYJX5^"/B?2H_"F@W5KI2Z?HBFZ\1 MMX@BN&:YO!)+<2!3%Y8*R,+C8[%R,(>N0!53X'>++;1O#-MY4,A\-Z_J-_%' M::S+9O>6]T9]KB5$#1R(@"O((W#/-'L^K_!2\%^']+MM3U3Q=H.FZ;U>3:!^ST='U_0KJWTJQL],L?#6M6 M+B]DOG@ MO+ZZAFW+)*N2"HG#-QC>5 *FO/O$WP"USP'\ UC-OIY?0OA!JWAR_BL229[Q MK>-OD 0;U+1RG)P26SC)- 'TYI'Q#*^(+75;G2_$VCZE;:2S+J$UG?Q2I9E M02PF*L1&0 2=V, &H-.^*/@S6/#QUZP\7:%>Z&)OL_\ :=MJ4,EMYN0-GFAB MN[D<9SS7BEU\&//%'C;1;Z[DT_2-",GA_2M-M=,BN6DAN?LUT+DK*1&NQ&4>6 M!M; =\CL;?B'X%^(O'/B'6=1 M9-NW;C$2 GT /7K;XJ>"KW5=(TRW\7Z#/J6L6XN]-LXM3@::^A(8B6% V9$(M1_F4$?*?0U'\-_'O _"P=*U>]^P_V?_9^MZCH^SSO,\$+=20>9G:.;_+W;>< M9QDXS7D/C_X+^.?%/Q&NM1CELY=+/B72=8LY5U![98+:V$/FI);I'B:&3H#N59 M5) Z$<$]: -;0_CEX:\5>/VV:#JFE:Y8PZ;/>W.K:=J44\5M%)%)&C0.$R%8 M"0,.86SZA:ZE#);K*<8C,BL5#*%:Q\ /%_C"RO8I].T/PRY\%_(\S$UC>(TLB2QR+N81*5B(5U Y*AFXY MK=F^ MSJ^F2O+HL-K?WFLZ+=7ZZEK<^IBYMK*X\P@^:N!A6,G@4 >JZ M3\5O!.OW6D6VF>,= U*YUA)9--AM-3@E>^6/=YC0A6)D";'W%^&8/$>D3>)+*+S[K1X[Z)KRWCPIWO*&WJN'0Y(PZ^HKQ>^_9[U=M[W6[RUATN&[OOB5I_BP3JVV1K& 6P=68)GS/W<^%Z?O#R-QJ/X9_L\ZAX3N[M.WUBR&IR:7J.HZA9ZU_;MP59[EISO^R%=JR$3E7Y(."W)P* /4+KXZ_#NVT/ M6]73QOX?N['1;9;S4)+34X)C;Q,,HSA6.-^0%S]XD 9S47ACXQZ)XVUC2SX? MU'1=7\-WVD7&IC5K6(7D1HI8D,?D#+%0)3ODSA&558988\T\-?LZZSI'@7P M3H9_LVUFTOP/?^&[Y[=B%-Q.D 5E^4;DW1R$DX/.-B-P# XSGD>M;5>/?!'X:^(/!?C7Q[K6LKY-K MKIL&M89=5EU&<&&)XY&DDD4:Z,-WJ-U]H?>PO[Z6 MY"GGA/,8[1ST&!0!KT444 %97B/_(\4_P"N@_D:U:RO$?\ QXI_UT\C0!SME%9WB\Q/#8>$]"O\ 6=4G-MIUC"T\:HC:0A5&3A%!9CV"]"22 2<5Q,7QW\/ MW'P\T7Q=%9ZJUOK=X-/TS3&M?+OKNX,CHL8C=@$)\MV_>,H502Q7!P >CT5R MO@?XBZ;XXT"_U2*&YTD:==WC?VVI>6DEK-Q6579'9"IC.Y79<'KUKE]. _:M+\,7;-+>VVIZ+IDFESZU9:GJ$*+!?64+())H@CLX'[R,A9$1F#@J#0!ZE17E MT/[0FA16^L?VKI&MZ%J.G0VEPNE7UO$UW>+=,R6P@6*1PS2.C)L)5E/WPH.: MZ3P%\2+'Q]+K=I%8WVCZMHEVMGJ.F:DL8FMY&C65,F)WC961U8%7(YQP010! MUM%%% !6YX9_Y>?^ _UK#K<\,_\ +S_P'^M &Y12$A023@#]37S'X_V_/ MG@[7[G2].L;_,1FV3.'%X[#8&*GB9J M*>USZ=HKX\7_(*2^%R>?"&K# MO%3O^'DGA;_H4=7_[15E]8I?S'D_ZQY5 M P_U]S_,C[!HKX^_X>2>%O^A1U?_O]%1_P\D\+?]"CJ_\ W^BH^L4OYA_Z MQ95_S_7W/_(^P:*^/O\ AY)X6_Z%'5_^_P!%1_P\D\+?]"CJ_P#W^BH^L4OY M@_UBRK_G^ON?^1]@T5\??\)/"W_$*.K_\ ?Z*C_AY)X6_Z%'5_^_T5'UBE M_,'^L65?_U]S_R/L&BOCX?\%)/"O?PEJX_[;1?XTO\ P\C*?\ 0IZQ_P!_ M8O\ &CZQ2_F#_6+*O^?Z^Y_Y'V!17Q__ ,/(_"G_ $*>L?\ ?V+_ !H_X>1^ M%/\ H4]8_P" L7^-'UBE_'^L65?_U]S_R/L"BOCX?\%)/"O?PEJX_[;1?XTO\ P\C*?\ 0IZQ_P!_ M8O\ &CZQ2_F#_6+*O^?Z^Y_Y'V!17Q_ ,/("G_ $*>L?\ ?V+_ !H_X>1^ M%/\ H4]8_P" L7^-'UBE_'^L5.?_U]S_P!?C_D?7U%?(/_ \B\(_]"KK'_?R+_&C_ (>1>$?^A5UC_OY%_C1] M8I?S!_K%E7_/]?C_)'U]17R&O\ P4A\('KX6U@?]M(O\:7_ (>0>#_^7AUG M_ON+_&CZQ2_F'_K#E7_/]?C_)'UW17R)_P\@\'_ /0KZS_WW%_C1]8I?S! M /0KZS_WW%_C1]8I?S!_K#E7_/\ TX7Y_V'V!17R)_P\@\'_\ 0KZS_P!]Q?XT M?R@-Q^O_@I^U#H7QQ_MG^R=*MOK+^R_)\W[44^S/,QC!/3RS^8KT_P#X26+_)XO^8K:,E)71[.'Q%+%4E6H MRYHO9_@;-%8W_"2Q?\\7_,4?\)+%_P \7_,51T&S16-_PDL7_/%_S%'_ DL M7_/%_P Q0!LT5C?\)+%_SQ?\Q1_PDL7_ #Q?\Q0!LT5C?\)+%_SQ?\Q1_P) M+%_SQ?\ ,4 ;-%8W_"2Q?\\7_,4?\)+%_P \7_,4 ;-%8W_"2Q?\\7_,4?\ M"2Q?\\7_ #% &S16-_PDL7_/%_S%'_"2Q?\ /%_S% &S17F_@OXZZ)XZ\2^+ M=#*T^UO$O/#-VEE>M.JJC.RE@4()R,#N!3O"_QQT7Q9XL\6^'K.UO$OO#,T4% MZTJJ$9I(_/7803D8ZY YJG&2OH4XR5]#T:BOEW3/^"@O@G7]*74M&\)^,]:L M8U+7EQI^D&5+/KQ(P;&<#/!/!':/K/[2_P 6=*\=_LA>+?$7A:_>:QO-/$EM MO>V[E&'[U01V*L"""".H((K7V,U)*2M=V-?8S4DI*UW8^F:*\E\0_%)? WPBL] M>GM!4-\@=B!D=<$\\]\5D?LW>+/ 5G\/K?1 .!%Y?W=< M;L]P8=4N3+=1^8Q? DMU7YN".?/.:7LIA.$(.S>OI_P3W*BOS^^)?P"\$>'?VB/A3X7TX:_#H.NQ:@VHV[:[=,TI MB13'AS)E<$GH>:^K_A5\/?"OP:L;^T\-6VHI#>R++,+[4);L[E! P9&8KP>@ MHG",8II[^7_!"<(QBFGOY?\!4]*^5/^"A'BJ>]F76FL9;BRN/MMIB:&0H MP'FC(R.:H^/OV9-#\&>#M5UWX<>(/%7A+Q1IEN[:3+K4]Q!,\:EA'-*'S!E M."/;.>>A<:<7%2;M=V_+_(TXN*;=KZ?E_F?7-%>=_L_$Q_C#\%/"'B^9%C MN]2L@;E5&%\]&,:WTRPMWN;J2-2H>01H*0BEE!8 MX&2!G)K-O?C#HEA:.1++9ZT+C59IX+6P&E3_#IVA!,A,6W<% 4G<1@\8)R* MXWQ#X=\1:\4_&.MQ^&]6\1:?KVEV5O:7F@7]M;W5F;]"5;:"'Y!/2@#T*BBB@ HHHH M**** "BBB@ HHHH **** "BBB@ HHHH **** "LKQ'_QXI_UT\C6K65XC_X M\4_ZZ#^1H \ \9ZQJFB>'FXT;0:QQ]4K#96\2-NAF M27YD[;UKZ9HU^7K#PIXRU3X&^+/@K:V6GIK2^$[V";6[658K6VO+EI!;Q; M(EWOY+@R3 YPQ4F3-+\0/A5XU^)^DC4E\+_/"/KHEA86&F^';F^MVN+U$0 M;6YO%+QNT**R6J11Y?)(8OL!%?4%% 'SKX@^'WB_7O%L7Q#F\,S&Z37=.E7P MW]KMC>#3[2&[1^_D?B3_8FH_P/#A=?]^6_PH_L34?\ GPNO^_+?X5^VU%/_ $$?^2__&Q^)/\ 8FH_\^%U_P!^6_PH_L34?^?"Z_[\M_A7[;44 M?4E_,'^H\?\ H(_\E\ MC\2&R:_7[UC_/ M]1U_T$?^2_\ VQ^(;6-RGWK>5?]AIOV6?_GC)_WR:_;ZBCZE>_ /]1U_P!! M'_DO_P!L? B#]EG_YXR?]\FC[+/\ \9/^^37[?44OJ7[(\!?ZCK_*"/_)?_ M +8_$'[+/_SQD_[Y-'V6?_GC)_WR:_;ZBCZE>_ /]1U_P!!'_DO_P!L?B#] MEG_YXR?]\FC[+/\ \9/^^37[?44?4O[WX]_J.O^@C_R7_[8_$!K>5>L3CZJ M:3R9/[C?E7[@44?4OWX]_J.O^@G_P D_P#MC_ "9/[C?E1Y,G]QORK]P* M*/J7][_P!1_P#J)_\ )/\ [8_#_P F3^XWY4>3)<;\J_<"BCZE>_ /\ M4?\ ZB?_ "3_.V/P_\ )D_N-^5'DR?W&_*OW HH^I?WOP#_%'_.HG_P D M_P#MC\61D^\I'U%)7[AT4?4OWX"_U'_P"HG_R3_P"V/P\HK]PZ*/J7][\/ M^"'^H_\U$_^2^\ VQ^'E%?N'11]2_O?A_P0_P!1_P#J)_\ )/\ [8_#RBOW M#HH^I?WOP_X(?ZC_/43_P"2?_;P#_P3S_YG_\[A__ +;FY;ZVMNVJKOOW.'HKN**U/5.'HKN** .'HKN M .'HKN**.'HKN** /C[]G>>*S^/7Q[T^:18[U]8M;M8&.&:)H MFPX'<=/S'K3?V?-7L]<^-OQ\O+"YCN[4ZI9QB6(Y4LEN48_)\,K#*]O^)O[M,7PX^+FNKK?B3P^)]7$0@:^M;B2VEEC'17:-AN&..<\<5L?#KX)>#/@_%JP\ M'Z)%HRZD(S<1P,Q5S&FU."3@XZXZDDGFNN52#3>MVDONM_D=F&*XMD^Q377]H?,H\IO,9B9/3Y"IR>V*\HT&)YOV$_BOG^)]DL M=[#REE43.4$T8*[N"/O#IBOK2W\#Z!:>$%*Q:/9Q^'%MOL8TP1#R/(P M4V],&M:E2$*DG'76_P!QK4J0A4DUKK?[CYV^+3+XB_9LL1IEO::S+>1:6UE! M=)'+:7$HFA>-9@YVF(LHW9[9[UA_L_W/BF[^)NMGXAZ;<:)XOBT\Q6EC:VL: M:8;$2IEH94)\Q@VP'<#=*T."W\,SN[R:(BI4^:GNG>SB]=6NJ>G5V?3J?&7PH_9X\'_&'X M@_&74_$2:B]U:^,KVVC^QZA+;KLX;D(0":^F?A=\)/# _P?T:ZTSPZMXEK M7;W#;]H7AG)(&%'%>D>$/AYH/@2\U^ZT6R^R3:[J#ZIJ#;V;SKA\; MGY)QG X'%=)6=6M*;M?0]6I5E/2^A\>_&7_D[7X&?]<-6_\ 125Z1\1OAWXH M\8:K;76A?$35/!O%#Y;VEC:6\R2MN)WDR*2#@@8'' KU36_ASX?\1>,=\4 MZA8"?7-"69=/NM[#R1*).<'(ZBNFJ74TC;HOU8G4CTC;HOU9\.?MI:)J/A MS]D.^T_5=6WF:G=1)')-F?(RJ *, @<#M7N/QL\=:/\ #_X8^(]3 MUB^@LXA83)$LK@-+(R$*BCJQ)..,"O2_B\-?#OQ9\+3^'/%%@-3T>=TDDMR[M)ED.5.5(/!KS3PW^Q-\%O"NJP:C9>!K.2Z@<21FZDDG56'0[78@_B*T4X.*4 M^C;^^W^1:G!Q2GT;?Y?Y$W[%WA'4/!'[,7@/2]4B:']-H]V\+C#()YI)E!'8 M[9!D5[92*H4 < #M2UA.7/)R?4PG+GDY/J%%%%02%%% !1110 4444 % M%%% %6:\>*0J+2>0#^) N#^9IG]H/_SXW/Y+_P#%5SFK_%?P]HOBMO#K DK,L;2R0PND88H^"[#[K'H#784 4O[0?_)\;G\E_^+H_ MM!_^?&Y_)^\ XJKM%5;+TN+RW@N[QF2V@EE57G95+,$4G+$*"3CH 3 M0 S^T_Y\;G\E_ BJ/[0?\ Y\;G\E_^*J[532]6L=;M!=Z=>V]_:EF03VLJ MR(65BK#6^G6<]W=SQVMK C2RSS.$2-%&69F/))- M9L7BBVN=>L],@M[RY2[L7U"+4H8&>R**Z*%,X^7>WF!E7.656(X4T 6_[0?_M)\;G\E_^*H_M! ^?&Y_)^\ XJKM% %+^T_ .?&Y_)?_BJ/[0?_)\;G\E_M^*J[10!2_M! ^?&Y_)?_(JLSQ#?.UD@^QW"_O!R0OH?]JN@K*\1_P#'BG_7 M0?R- ')_V_Y]IOR7_&C[6W_#[3?DO^-6:*%*WVMO\ GVF_)?\ &C[6W_/M M-^2_XU9HH K?:V_Y]IOR7_&C[6W_#[3?DO^-6:*%*WVMO\ GVF_)?\ &C[6 MW_/M-^2_XU9HH K?:V_Y]IOR7_&MKPY?.OVC%G<-]WH%]\ :K.K<\,\O/_ M '^M%_^T'_.?&Y_)?_BJ/[0?_)\;G\E_^*J[10!2_M! ^?&Y_)?_(JC M^T'_.?&Y_)?_BJNT4 4O[0?_GQN?R7_.*H_M! ^?&Y_)?_(JKM% %+^T M_P"?&Y_)?_BJ/[0?_GQN?R7_.*J[10!2_M! P#GQN?R7_XJKM% %+^T_Y\;G\E_P#B MJ/[0?_GQN?R7_P"*H_M! P#GQN?R7_XJKM% %+^T_Y\;G\E_P#BJNT4 4O[0?\ M0?\ Y\;G\E_^*H_M! \ GQN?R7_XJC^T_Y\;G\E_P#BJNT4 4O[0?_GQN?R7_P"*H_M! P#GQN?R7 XJKM% %+^T_Y\;G\E_^*J[10!2_M! ^?&Y_)?_(JC^T_ .?&Y_)?_BJNT4 4O[0?_GQN?R7_P"*H_M! P#GQN?R7_XJKM% %+^T_Y\;G\E_^*H_M! ^?&Y_)?_(JC^T_ .?&Y_)?_BJNT4 4O[0?_GQN?R7_.*H_M! ^?&Y_)?_(JKM% %+^T_P"?&Y_)?_BJ/[0?_GQN?R7_.*J[10!2_M! P#GQN?R7_XJKM% %+^T_Y\;G\E_P#BJ/[0?_GQN?R7_P"*H_M! P#GQN?R7_XJKM% %+^T_Y\;G\E_^*J[10!2_M! \ MGQN?R7_XJC^T_Y\;G\E_P#BJNT4 4O[0?\ Y\;G\E_^*H_M! \ GQN?R7_XJKM% %+^T_Y\;G\E_^*J[10!2_M! ^?&Y_)?\ XJC^ MT'_Y\;G\E_\ BJNT4 4O[0?_)\;G\E_^*H_M! ^?&Y_)?\ XJKM% %+^T_M .?&Y_)? BJ/[0?_)\;G\E_^*J[10!2_M! ^?&Y_)?_(JC^T_ .?&Y_)? M_BJNT4 (#D XQ[6OBHHH **** "BBB@ HHHH **** "BBB@#QZ#P%K^H?M!>+ M-WD;"AE!\ID.)>N=I'GVI_#SQ)!X/ M\0:F--UJYN[GQN\NJ0Q32F[N-!%YF2*W7=GRRGS>7'@N-X);!^B?%7C/P_X M$TO^T_$NNZ;X>TW>(_MFJWD=K#O/1=\A R?3-4+WXI>"]-DT..\\7Z#:R:]M M.DI/]<*'4=Q4+)G!;][DN@&S.=P]10!X4/!.K:]>WUWP7=:_P"&J1OM'T/Q;K,_ M6+2:Z>WL98I?LS;4#.8O,*@,_0HVYPHR/J:LWQ%XBTWPEH=[K&L7D=AIEG&9 M9[B7.$4>PY))P !DDD DT ?-?A3PKXCFUKP[:WVBZ^OCM/$]Y/XBUFY$OV* M?2B\^U1.3Y,D30M;(D*99"O*J48UAZ3\=8*^"- TFQT&^TVQLO$VH_\)#" M=$N;Q)87:X-I+Y,;HUS$-\9_=%]I*DCY3CZ#N?C]\-=/U"/3M2\=^']%U=_+ MSI6L:A%8WR&0!D5[:8I*C,&4A64$AAQR*Z"U^('A>^\57'ABV\2:1<>);9/, MGT:*_B:\B3@[FA#;U'(Y{[CUH ^?=*^$^L:GJ'ANPU<>(-;T&W*:X4>^6:S M N'O08#9QOLK%83)Y22L755!8*ZX7C;WPOXO\%_!:;5[F7:4;OX/ZI+XB MNKFYF:4ZLMO&Z&L3D8[G8]P6GP000,@8"@#[3JMJ6FVFLZ==:?J%K!?6%W$\%Q:MW,8DBFC8%61U8$,I!(((P0: /EE-$\1:EX?\17'@[1?$FFZ1/X?TM;RUN?.@ MN;NY%UNNQ#YC;GE-MO4RHQ#ET"NQ'$NK>"=;UVZUN'P[I>OZ;X$?/AM;:Q M*W-E-

MV4E!^\&,8;U&/6FP:=:6K1M#;0PM''Y*&.,*53^Z,=![=*9_9R?\]I_^_K4? MVQH Q:*@^R+_ ,]) M?^^S1]D7_GI+_P!]FG@">BH/LB_\ /27_ +[-'V1?^>DO_?9H GHJ#[(O_/27 M_OLT?
9%_YZ2_]]F@">BH/LB_\)}?^^S1]D7_)Z2_P#?9H GK<_P#+S_P' M^MS#[O20CUH Z6BJG]G) SVG_[^M1_9R?\ M)I_^_K4 6Z*J?V\"/H%KKJ^-?#K:)=N\=OJ0U M6#[-
,R*SNJ2;]K%51F(!X"DG@&I-%^*_@CQ)J-AI^D>,= U2_OX#=6EK9:I! M-+F9^W65G]$ M4LUI@X/FHK$IC_: KC?"O[0?A[QU\89O!/ANZTWQ!91:%_;#ZYI>IQW,0?[2 MT!MRJ @,-
NXG=GG&WO0!ZI1110 45SVF>-+75/&^O>&(X)DO-'M;.[FF;'EN MMP9@@7G.1Y#9R!U&,\UG^!OBMH'CGPEI6NPWD.G+?Z8NK_8[V>-)X;4 \M'4 M,<*""""WWP<9KFKKX_\A+UQHFC:QI-
XG*0--=;;>:G%:(<1"0DR'=LC4, M\A4A#D'IO!Z917,-\3?"5OK=MH=UXHT.V\03LL::4^IP:6D9%<(L98,Q*NK M# Y#]"*IZU\:?A_X:MXPT#2[2^A%S:SWNIP0QW$1VXDC9F 9?F7YAD?,/6@#
MJ:*X2\^+>E:7XHUBTU&:QTSPWI6GVUW<^([V^2&U26=V$<)+ +DJ%;._ ^-1C MD9ZMO$&EIH1UMM2LUT86_P!K.HF=/L_D;=WF^9G;LV\[LXQSF@#0HKR2S_:$ MTW7]=UJT\'1=8TS3I-+1-
8&NQ):W(NY7B;8X5E+H4("!B78A?E-=[9>/_#& M17.LV]IXCTBZN-%_Y"D4-]$[6'WO]> V8ON-[!"W3Z&@#>HKE[;XI^"[WPQ< M^)+?Q?H,_AVV?RYJ7BU.!K2)\@;6F#;%.67@GN/6G3_$[P=;:?H]]-
XLT.*Q MUEQ'IER^I0K'?.>BP,6Q(3D8"YH Z:BL&?Q[X8@\4Q>&9/$>DQ^))4WQZ.U] M$+QUP6R(=V\C)SCH#Z5O4 %%%% !1110 4444 %97B/_CQ3_KH/Y&M6LKQ' M_P >*?\ 70?R-
'.45C>+_%NG^- N-7U-I!;Q%(UCA0O+-*[!(XHU'+.[LJ M@>)[=:YB_P#BPVD6>G?;_#M]!JFK78LM+TN*>"::\D\MI'P4='M1@"=P'7B@# MU6BO+G^/-GI]QJ-AJN@:GIFM6T5G);Z6YBDEO#=.\<*
(4-K_Q#IS:?'/"EZUG=W;2W2??BMT MWE/8]@?:LYU(4US3=D9SJ0IKFF[([&BO, \ AH/PMZ7O_?G_.O1_P -!^%O M2]_[\ UZY_KF'_ G7WA]'US# _,Z^\],HKS/_(:#\+>$[_WY_P#KT?\ #0?A M;TO?^_/_->CZYA_YU]X?7,/_.OO/3**X[PW\4M\'5BX-@EPP@V[_,0+USCO M[&MK_A)(/^>EZC<26UU:74Z%XEF@G29
X'.TF/!QR,Y MYQBO(Q$'[._Q0^*&I^-_$?C&[*Z=KNI>";CPAIEEHUQ<2VV9I4E>>:62)67 MYHU 54. 3R:^K:* /B;QQ^PMK]IVHV/AL^&=\M; P""6G>%KF&-I(4GU&^\ M$TLSA(3E&10
Y^8D._P!D'Q//%\0X?]QX=\-VGB'2=#L[>WCC\M? M.LY7:X9AY#K&74H%D"NP*YVC KZYHH ^+/AG^Q#XD\/^'/".D>)KC0M:M-,\ M>S>*;V"YN'NA+:/9&)8\FW19)!*0>452!G@\58\,?
L/:MX9F\&W5C_PCNEZE MI7C/4M;O-0L-Z3-I]PDJ1PQL(@2ZAT^0X48X)K[+HH _/OX5_P#!.CQAX/;7 M[/5?$EN\=UX?U/1+/5;35I&V&Z0J&:T-HNT<@G_2&Y'&<\>T_LY?LZ>+?AG\
M2(/$NOV'@[2;>#PK#X<^S>%C-F>2*8.+B3?$@+.N<^F /FZU]-T4 %%%% 'F M$WP7L-<^*_B?Q/KUE9ZC8W^GZ?:6:,[^;$T+7)E+# !\Z/&">AZ=_.M)^ /
MC;PIX2T*QTMM!O;^/P4WA.]%>3111/OW+-$5A8R#YF!4A#P.>M?2E% 'SSK M7[.FM:KX,\<9YFD-J.M>!;#PQ9SR.^(KB&*X5V9O+RL9:2(@@$G9DJ"!6AJ
MWP7\4W47QALH9=+EM_'&AQVUO=374BR07:Z?]D(D01$&,E5;>&W7:!D?,,E'[_%#P=I5SH?V*749EAGBD2%NHY?LY,WN%B=@ZM@C= M&589##!Q1XC^%/BSQ9^SK9^$-6U73+[Q?
%%:37-QY/DV-Y/!',8G6-!B.3R M]C%8QPQ.S^&O8Z* /GC5O@7XN\2^(/%FM7<7A_2YM;U/P_>K;6=S+(%6PNA) M-YCF%=SL@&T[1DX!P!DY#O?LU>+M;L_&>D6EYIFA^&=27[19Z,E_-_;E
MN9'$AB26TBE*$/$CR*&D+(%V_/\ 3U% 'SW?_GQ"NGRW>B6EKHNL7VM6=[K M"-XJU&[EU*U@ADC"" _EC:6W?+K\T2!BJ%*V&..7@_9D\;Z5X$TZRTN;1[+Q=
M9WFKR6FN_P!JW$HLX+V]\\PR1RP.M[&R=Z3 $L@(<$[Q]644 ?/^F?2L[7,7 MCS4KW5K.WUO2[GQ,/$L%ZWB/4;=K>4;&3-BG[AW0H%#%AE<9!Q@_0%%% !11 M10 4444 %%%%
!65XC_X\4_ZZ#^1K5K*\1_\>*?]=! (T >/_&'P+>^/-%T> MWLH+"^-AJUMJ$MAJCE+>[2,G,;,$?'7(^4C*@$5YSX=^!7B?P7XCT_Q-I<&A M3W@U34M1DT+[5+;6-D+FWAA1;=UA;[H@!;,:[C-
(>.!7T'10!\]'X;^(;\# M?$+X9I)#YFLZ7?7&H^)F5XXGU2^=V\F*/J8DC8 G.0-@Y).)O&WP4\7?$.S% MW?\ ]B:9?Z;:V5KIFEVUW+-+;,L5Y;W,_FS&)6 D^SQQ@^-MH7/S9(\0]% 'B
M&L?";Q7K/B6/QC-'HQ\0)K%E=KI?VR7[,+2V@N8TB_R=QOZAJSV\NN^(-3?4[TVI9HHSL2*.)&8 LJ1Q(,D#)W' S7:T4 M%%%% !6YX9_Y>?\ @/\ 6L.MSPS_,O/_ ?ZT ,E?'GC/PQJWA_7KR+4897D
M:5F%P5)68$YW ^]?8=,E@CG7;)&LB^CJ"*_&8-8N*3=K'GXS!K%Q2;M8^(O M)D_YYM^5'DR#^!ORK[7_+,L_P#GT@_[]C_"C^S+/_GT@_[]C_"O*_L;_IY^ M'_!/_IY^_!/B?RG_N^5&QA_"?
RK[8_LRS_.?2#_OV/*3^S+/_GT@ M_P" ;_X4?V-_T\ #_@A_8W_3S\/^"?$^QO[I_*C:?0U]L?V99_\/I!_W[7_M H_LRS_.?2#_OVO^%+^QO^GGX?$?]C?\ 3S\/^"?$Y!'48I*^V?[+L\MGT@_[]K_(4?
V79?\^D'_?I?*/[&_Z>?A_P0_L;_IY^_!/ ?@:N+35V]7C M'Z-7J%=>NG6B_=M81](Q3OL%M_S[Q?\ ? KW<-1^KTE2O>Q[N&H_5Z2IWO8X MZBNQ^P6W_/O%_P!\"C[!;?\ /O%_WP*Z3I..HKL?
L%M_S[Q?]\"C[!;?\^\7 M_? H XZBNQ^P6W_/O%_WP*/L%M_S[Q?]\"@#CJ*['[!;?\^\7_? H^P6W_/O M%_WP* ..HKL?L%M_S[Q?]\"C[!;?\^\7_? H XZBNQ^P6W_/O%_WP*/L%M_S M[Q?]\"@#CJ*
['[!;?\^\7_? H^P6W_/O%_WP* ..HKL?L%M_S[Q?]\"C[!;? M\^\7_? H XZBNQ^P6W_/O%_WP*/L%M_S[Q?]\"@#CJ*['[!;?\^\7_? H^P6W_/O%_WP* ..HKL?L%M_S[Q?]\"C[!;?\^\7_?
H XZBNQ^P6W_/O%_WP*/L M%M_S[Q?]\"@#CJ*['[!;?\^\7_? H^P6W_/O%_WP* ..HKL?L%M_S[Q?]\"C M[!;?\^\7_? H XZBNQ^P6W_/O%_WP*/L%M_S[Q?]\"@#CJ*['[!;?\^\7_? MH^P6W_/O%_WP*
..HKL?L%M_S[Q?]\"C[!;?\^\7_? H XZBNQ^P6W_/O%_W MP*/L%M_S[Q?]\"@#CJ*['[!;?\^\7_? H^P6W_/O%_WP* ..HKL?L%M_S[Q?M]\"C[!;?\^\7_? H XZBNQ^P6W_/O%_WP*/L%M_S[Q?]\"@#CJ*
['[!;?\^\ M7_? H^P6W_/O%_WP* ..HKL?L%M_S[Q?]\"C[!;?\^\7_? H XZBNQ^P6W_/ MO%_WP*/L%M_S[Q?]\"@#CJ*['[!;?\^\7_? H^P6W_/O%_WP* ..HKL?L%M_MS[Q?]\"C[!;?\^\7_? H
XZBNQ^P6W_/O%_WP*/L%M_S[Q?]\"@#CJ*['[!; M?\^\7_? H^P6W_/O%_WP* ..HKL?L%M_S[Q?]\"C[!;?\^\7_? H XZBNQ^P M6W_/O%_WP*/L%M_S[Q?]\"@#CJ*['[!;?\^\7_? H^P6W_/O%_WP* ..H
) M ,FNQ^P6W_/O%_WP*=':PQ'*0QH?55 H K:/"\%@BR9#$DX/85>HHH J:CJ] MEI$:27UW#:(YVJTSA03Z#-9__';:! T&;' O^O\ C7%_'G_D!Z;_-?)_P#0
M37B=>C0PBJPY[G%5Q&#IRY;'U!_PFV@?]!FQ[_K_(T?\)MH'_09L2\ O^O^ M-?+]%=\U!?S&/UM]CZ@_X3;0/^@S8_\?]?\:\ A-M_P"@S8_]P!?\:^7 MZ*/]"_F#ZV^Q]0?\)MH'_09L?^_Z_P"-
'_";:!_T&;'_+_K C7R_11]07\P^6WV/]#_(3;0/\ H,V/_?\ 7_&^C A-M_Z#-C W_7_&OE^BCZ@OY@^MOL?4' "_;:! T&;'_+_K C1_PFV@?]!FQ[_* XU\OT4?4%_,'UM]CZ@_X3;0/^@S8_P#?]?\ &OE^BCZ@OY@^MOL?4'
"_;:! T&;'_+_K C7R M_11]07\P?6WV/]#_(3;0/\ H,V/_?\ 7_&^C A-M_Z#-C W_7_&OE^BCZ@OY@^MOL?4' "_;:! T&;'_+_K C1_PFV@?]!FQ[_* XU\OT4?4%_,'UM]CZ@_X3;0/^@S8_P#?]?\ &OE^BCZ@OY@^MOL?
4' "_;:! _MT&;'_O^O\ K C1_P)MH'_&&;'_O^O^-?+]%'U!?S!];?8^H/^$VT#_H,V/\ MW_7_!K-U[Q?H<]FBQZM9NPD!PLRGL?>OG&BCZ@OY@^MOL>X_P#"2Z5_T$;7 M_OZ*/^$ETK_H(VO_
'!]%>'44?4%_,'UM]CW'_A)=*_Z"-K_W]%'_DNE?\ M01M?^_HKPZBCZ@OY@^MOL>X_\)+I7_01M?\ OZ*/^$ETK_H(VO\ W]%>'44? M4%_,'UM]CW'_(272O\ H(VO_?T4?\)+I7_01M?
^_HKPZBCZ@OY@^MOL>X_\ M)+I7_01M?^_HK8\/*+=%M_M'F:K9QYVXW3*,]?>OG:BCZ@OY@^MOL?4'_";: M!_T&;'_O^O\ C1_PFV@?]!FQ_P"_Z XU\OT4?4%_,'UM]CZ@_P"$VT#_*#-
MC_W_%_QH_X3;0/^@S8_]_U_QKY?HH^H+^8/K;['U!_PFV@?]!FQ_P"_Z_XT M?\)MH'_09L2^_P"O^-?+]%'U!?S!];?8^H/^$VT#_H,V/_?]?\:/^$VT#_H, MV/\ W_7_!KY?HH^H+^8/K;
['U!_PFV@?]!FQ[_*_XT?\ ";:!_P!!FQ[_M_K_C7R_11]07\P?6WV/]#_A-M_Z#-C_-_U_P :/^$VT#_H,V/_'_7_&OE M^BCZ@OY@^MOL?4'_FV@?\ 09L?^_Z_XT?\)MH'_09L?^_Z_P"-?+]%'U!?
MS!];?8^H/^$VT#_H,V/_'_7_&C_(3;0/\ H,V/_?\ 7_&OE^BCZ@OY@^MOL?4' ";:! T&;'_O^O\ C1_PFV@?]!FQ_P"_Z_XU\OT4?4%_,'UM]CZ@_X3;0/^@S8_P#?]?\ &OE^BCZ@OY@^MOL?
4' "_;:! _MT&;'_O^O\ K_C1_P)MH'_&&;'_O^O^-?+]%'U!?S!];?8^H/^$VT#_H,V/ ?]?\:^7Z*/]" F#ZV^Q]0?\)MH' 09L?^_MO^O^-' ";:! T&;'_O^O\ C7R_M11]07\P?6WV/]#_A-M_Z#-C_P!_MU_QKY?HH^H+^8/K;['U!_P
)MH'_&&;'_O^O^-' ";:! T&;'_O^O\ C7R_M11]07\P?6WV/]#_A-M_Z#-C_P!_MU_QKY?HH^H+^8/K;['U!_PFV@?]!FQ_P"_MZ_XT?\)MH' 09L?^_Z_P"-?+]%'U!?S!];?8^ MH/\ A-M_P"@S8_]_P!?
\:/^$VT#_H,V/_?]?\:^7Z*/]" F#ZV^Q]0?\)MH' 09L?^_Z_P"O^-' FV@?\ M09L?^_Z_XU\OT4?4% ,'UM]CZ@_X3;0/^@S8_P#?]?\ &C_A-M_Z#-C_P!_MU_QKY?HH^H+^8/K;['U!_P)MH'_&&;'_O^O^-' ";:!_T&;'_O^O\
C7R_M11]07\P?6WV/]#_A-M_Z#-C_P!_U_QH_P"$VT#_*#-K_W_%_QKY?HH^H+^8/K;['U!_PFV@?]!FQ_[_K_(T?\)MH' 09L?^_Z_P"-?+]%'U!?S!];?8^ MH/\ A-M_P"@S8_]_P!?
\:/^$VT#_H,V/_?]?\:^7Z*/]" F#ZV^Q]0 \)KH M_YC-C_W_7_&D_X3;0/^@S8_]_U_QKY?HH^H+^8/K;['U!_PFV@?]!FQ_P"_MZ_XT?\)MH' 09L?^_P"O^-?+]%'U!?S!];?8^H/^$VT#_H,V/_?]?
\:/^$VT M#_H,V/\ W_7_ !KY?HH^H+^8/K;['U!_PFV@?]!FQ[_*_XT?\ ";:!_P!! MFQ[_K_C7R_11]07\P?6WV/]#_A-M_Z#-C_-_U_P :/^$VT#_H,V/_'_7 M_&OE^BCZ@OY@^MOL?4'_FV@?\ 09L?^_Z_XT?\)MH'_09L?^_Z_P"-?+]%'U!?S!];?8^H/^$VT#_H,V/_'_7_&OE^BCZ@OY M@^MOL?4' ";:! T&;'_O^O\
C1_PFV@?]!FQ_P"_Z_XU\OT4?4%_,'UM]CZ@_X3;0/^@S8_]_U_QKY?HH^H+^8/K;['U!_PFV@?]!FQ_P"_MZ_XT?\)MH'_09L?^_P"O^-?+]%'U!?S!];?8^MX)X[F".:%UEBD4 M.CHDG=)G%_%#PC?>+],LX+ M Q!XIB[>AKSC_(4CXB_OV7_?X_\Q->]T5TT\34I1Y8FZ*CYF> M"?\ "D?$7]^R_P"_Q_\B:/^%(^(O[]E_P!_C_\$U[W16GUVKY&?U6F>"?\
M*1\1?W[+_O\ 'XFC_A2/B+^_9?]_C_\3TO=%'UVKY!]5IG@G_"D?$7]^R_[M_'XFC_A2/B+^_9?]_C_P#$U[W11]=J^0?5:9X)_PI'Q%_?LO^_Q_P#B:/\ MA2/B+^_9?]_C_P#$U[W11]=J^0?5:9X)_P
*1\1?W[+_+_'_P")H_X4CXB_MOV7_'^/_P 37O=%'UVKY!]5IG@G_"D?$7]^R_[_!_^)H_X4CXB_OV7_?X_M_$U[W11]=J^0?5:9X)_PI'Q%_?LO^_Q_^)H_X4CX MB_OV7_?X_P#Q->]T4??:OD'U6F>"?*1\1?W[+_O\?_B:/^%(^(O[]E_W^/\
\37O=%'UVKY!]5IG@G_"D?$7]^R_[_'_)H_P"% M(^(O[]E_W^/_,37O=%'UVKY!]5IG@G_I'Q%_?LO\ O\?_(FC_A2/B+^_ M9?\ ?X__!->]T4?
7:OD'U6F>"?*1\1?W[+_O\ 'XFC_A2/B+^_9?]_C_\ M37O=%'UVKY!]5IG@G_"D?$7]^R_[_'XFC_A2/B+^_9?]_C_/$U[W11]=J^ M0?5:9X)_PI'Q%_?LO^_Q_P#B:@O/@JKUC$))&M-I.WY92?\
V7VKZ"K*\1_\ M>*?]=! (T?7:OD'U6F>#?*RUC^];?\ ?P_X4?\ "LM8_O6W_?P_X5ZM11= MJ^0?5:9Y3_PK+6/[UM_W\/\ A1_PK+6/[UM_W\/^>K44?7:OD'U6F>4_P#" MLM8_O6W_'\/^%_
K+6/[UM_W\/^>K44?7:OD'U6F>4_*RUC^];?]_# M (4?*RUC^];?]_# A7JU%'UVKY!]5IGE\ PK+6/[UM_P!_# _A5FR^$6NW^ M_P IK3Y,9W2D=?PIJ]-K<\,\O/_'^M'UVKY!]5IGD'_"D?
$7]^R_[_'X MFC_A2/B+^_9?]_C_/$U[W11]=J^0?5:9X)_PI'Q%_?LO^_Q_P#B:/\ A2/B M+^_9?]_C_P#$U[W11]=J^0?5:9X)_P *1\1?W[+_+_'_P")H_X4CXB_OV7_M '^/_P
37O=%'UVKY!]5IG@G_"D?$7]^R_[_!_^)H_X4CXB_OV7_?X_P#Q->]T4??:OD'U6F>"?*1\1?W[+_O\?_XFC_(4CXB_OV7_?X_\ Q->]T4??:OD'U6F>"?\ M"D?$7]^R_P"_Q_\B:/^%(^(O[]E_P!_C_\$U[W11]=J^0?5:9X)_PI'Q%_?LO^_Q_^)H_X4CX MB_OV7_?X_\ Q->]T4??:OD'U6F>"?*1\1?W[+_O\?_B:/^%(^(O[]E_W^/\ \37O=%'UVKY!]5IG@G_"D?$7]^R_[_'_.)H_P"%(^(O M[]E_W^/_,37O=%'UVKY#^JTSP3_(4CXB_OV7_?X_\ Q-'_I'Q%_?LO\ MO\?_(FO>Z*/KM7R%]5IG@G_I'Q%_?LO\ O\?_(FC_A2/B+^_9?\ ?X__
M !->]T4??:OD'U6F>"?*1\1?W[+_O\ 'XFC_A2/B+^_9?]_C_\3TO=%'UV MKY!]5IG@G_"D?$7]^R_[_'XFC_A2/B+^_9?]_C_/$U[W11]=J^0?5:9X)_MPI'Q%_?LO^_Q_P#B:/\
A2/B+^_9?]_C_P#$U[W11]=J^0?5:9X)_P *1\1?MW[+_+_'_P")H_X4CXB_OV7_'^/_P 37O=%'UVKY!]5IG@G_"D?$7]^R_[_M_!_^)H_X4CXB_OV7_?X_$U[W11]=J^0?5:9X)_PI'Q%_?LO^_Q_^)H_X4CX MB_OV7_?X_P#Q->]T4??:OD'U6F>"?*1\1?W[+_O\?_B:/^%(^(O[]E_W^/\ \37O=%'UVKY!]5IG@G_"D?$7]^R_P"_Q_\B:/^%(^(O[]E_P!_C_\ M$U[W11]=J^0?5:9X)_PI'Q%_?
LO^_P ?_B:/^%(^(O[]E_W^/_Q->]T4??:OD MD'U6F>"?*1\1?W[+_O\?_B:/^%(^(O[]E_W^/\ \37O=%'UVKY!]5IG@G_" MD?$7]^R_[_'_.)H_P"%(^(O[]E_W^/_,37O=%'UVKY!]5IG@G_I'Q%_? MLO\
O\?_(FC_A2/B+^_9?\ ?X__!->]T4??:OD'U6F>"?*1\1?W[+_O\ M'_XFC_A2/B+^_9?]_C_\3TO=%'UVKY!]5IG@G_"D?$7]^R_[_'XFC_A2/B+ M^_9?]_C_/$U[W11]=J^0?5:9X)_PI'Q%_?
LO^_Q_P#B:/\ A2/B+^_9?]_C M_P#$U[W11]=J^0?5:9X)_P *1\1?W[+_+_'_P")H_X4CXB_OV7_'^/_P 3 M7O=%'UVKY!]5IG@G_"D?$7]^R_[_!_^)H_X4CXB_OV7_?X__$U[W11]=J^0 M?
5:9X)_PI'Q%_?LO^_Q_^)H_X4CXB_OV7_?X_P#Q->]T4??:OD'U6F>"?*1\1?W[+_O\?_XFC_(4CXB_OV7_?X_\ Q->]T4??:OD'U6F>"?\ "D?$7]^R_P"_Q_\B:/^%(^(O[]E_P!_C_\ $U[W11]=J^0?
5:9X)_PI'Q%_?LO^_P ?_B:/^%(^(O[]E_W^/_Q->]T4??:OD'U6F>"?*1\1?W[+_O\?_B:/^%(^(O[M]E_W^/\ \37O=%'UVKY!]5IG@G_"D?$7]^R_[_'_.)H_P"%(^(O[]E_W^/_M ,37O=%'UVKY#^]TSP3_(4CXB_OV7_?X_\ Q-'_I'Q%_?LO\ MO\?_(FO>Z*/KM7R%]5IG@G_I'Q%_?LO\ O\?_(FC_A2/B+^_9?\ ?X__!-> M]T4??:OD'U6F>"?*1\1?W[+_O\ 'XFC_A2/B+^_9?]_C_\3TO=%'UVKY!] M5IG@G_"D?$7]^R_[_'XFC_A2/B+^_9?]_C_/$U[W11]=J^0?5:9G>'[&33 M-!TVSFV=;VT43[3D;E0 X_*M*BBN%N[N=:5E8\Q_:.^,_[_+X3ZCXSBT5?$ M$MK<6MLFGO>?9%D,TZ0@F78^T#*?G[IZ=NM>*Z_\MX7GAC1=>&I>!],M/$.B
M^(K'P_=PR>*8QI:FZ@>99OM_D8 4)A@8QM).3Q7M'[2?P7Q_P#A+J'@L:A% MI@N[JTG:>>#SD*PW$#)KIQ%K/B*7PSI6 MB::J<=Q;WJQ'G=+%>;%4V^U6;S=O12<8K0\9?M*>-
/AY*/$WBS7_AI9+J.E MW%C;6FF:;XHCNH[UFYC@"^(_8V4R D-&0>@/<8-E^QCJ%MX6FEC\90Z9XY M7Q22%MIJ>E:6L.GVER85A,26A=AY3("&!8D[CS6?HW[$>H6_AKQW:7?B#0K.
M_P#%6IZ1J$BZ!H9LK*#[%%E MX$GU/P7X*_V (-?N?B MS-;^*1;IXN\M=(MY+0O%HJM>I>72JN\;O-E0=-N,]ZW?$/[']>L:KXI\20V?C M:*S\!>*:.L-=UG16T[?>:U\3M M1/C+5/#OAW1K+4)=
(@@GU*^U;4S8VT!FW&.-66&5G06GB=76^U.TU#SHM+?S(H8L_NQYL;S3QIORFW<'1UQL^(/ MA;J3>--9U[1;O2I;?7+>W@U/2->G^%7@+Q)X*UCQ==
M:QJ.EWT&OZHVK%+&VDB:&1H8(=F6=@5Q #ZY:@"UJWQS\&Z+XQ@\+W- >OK$ MUY'IRK:Z3>7$ NGC\U8&N(XFB63RP7*,X(7YB .:9; 'GP//8G6AMT@%^DPF%FLJPA\?NC*"=AR236UI?
[)FJPZ;K$%]XDL) M[N_\(:AX8EU%+*4W-W+<@9O;EWE8R/D$E1CDG!&<]8T_X[>"=3TC5M3AU6 M=+;2UB>X6YTZZ@E*RG$+11/&'F60\(T:L'/"DFN?;X_6'B'5 #,/A?S9;2]U MFYTC46U?
2;RRE@>*SFG*JDR1MN#1H#\K#!(X/3F?CC\(=5NM&UC4=/DN+XWU MKH>FRP6,,IG@BM;TRR7""-UD<[7R%C*N-ORG.*?\, ACJ>K6VFRW$A> M(;J^M;F]M;F.ZU:.6Q:)II5N99)E?
S)G&Z1B66(< $4 =?9?'SPUH_A/PY>^ M(M9BN; 4=,34I9=#TN]GMUA(&ZX95C=[>#)X>;:!@Y/!QT:?%?PQ<^*%\.VN MI/=ZH*3[>TGFM5#H9(P]RB&%69 65&<,RX(!!%>=:9\ ->\,:+;V6B^(=/
M$LOA>W\,WTM[8NX*P^9MFB"R#!Q-)E6R/N^ASD:E;;;8^ M'!.#3S<6\&UTS M1O$EA'+<^%%\+7L]W8/(-JM,RS1*)[@.OW!5B0<+SQ4NH_L[ZT/#OB/0=,\1 M6-OIVB8?
0+70=5DN;%I)8EBMC;/+!B0#+1L<*X(# 'D9% '>:C\&?#C:EKVAZ M=JT;ZYIEK++)))9W$EE#*L(F\MYT3RS($99#"K^9L.X+CFF>&/C#H6J$>')(
MGU(7NO:AIUK>2/ING71L@9HJZ$RE"L. :Q1)75R ."-Y&] 9[O)/&,NI:=IU MIHNGM8SV,R6,$J3:FCV8MHA>_O/+E,9 _LH)H;N_AAA$;02XE\N2)B P#JQJ^'IYH]IHHHH **** "BB MB@ HHHH
*RO$? 'BG_70?R-:M97B/ CQ3_KH/Y&@#G**** "BBB@ HHHH ** M** "MSPS_P O/_?ZUAUN>&?^7G_(#_%H T=6U&+1]+O+^?/D6L+SR;>?M^.?&NMW-
W'KM]HUFSDP66G7#0K$F?E4E2"QQU)Z^U?H[AA)4HM^TW.6NIM+E/#_^%L>- P#HI[2AW1Q??\+9\ M@_\,=_$W_H%6G_ ('1 M?XT?\,=_$[_H%6G_ ('1?XT>TH=T')4[,\^_X6SXX_Z'+7
9S_P#Q5'\"_MV?"'0Y:_P#^#.?_.*KT#_ACSXG?]JT\Z+_ !H_X8\)>W_0)M/ .B M P :/:4.Z_ .2IV9Y_\\+:\?$[_H$VG_ ('1?XTW_AC[XG_>U_\#X?_BJ/:4.Z_ 7)4[,X M+_A;7CC_*"'7_\ P9S?_%4?
\+:\.1 S.6O?^#*;_P"*KN_^&/\ XG_] 6V_\#X?_BJ/^&0/BA_T!;?_,#X M?_BJ/:4.Z_.6IV9PG_"W?'/_0Y:]_XJO\ XJC_(6[XY_Z'+7O_!E-_P#% M5W7_R!\4/^@);_/@?#_\ %4?\,@_%#_H!V_\ X'P?
_%T>TH=U^_.?^AQU[_P93?\ Q5=Q_P ,A?%'_H!0?^!\'_Q=' #(7Q1_Z 4' M_@?!_P#%T<]#NOP#EJ=F\<_\ 0XZ]_P"#*;_XJC_A;_CK_H<=>_\ M!C-_\57._^AQUW_P &,O\ \51_PN+QW_T..N_^#"7_
.*KL_AD;X MI?\ 0O1?^#"W_P#CE'_#(WQ2_P"A>B_\&%O_/'*.>AW7XI!RU.S._X7'X[_M _AQUS_P82_ !5'_"X_'?\ T..N?^#"7_XJNR_X9&^*?_0NQ_\@PM_CE'_M_#(WQ3_Z%V/_,&%O_\
'*.>AW7X!RU.S.-_X7'X[_Z"'7/_82_P#Q5+_P 5MN/QW_P!#CKG_(,)?_BJ[^_AD?XI_P#0NQ_^#"V^_4?\,C_!3_.AAW7X!RU.S._P"%R>._^AQUS_P82\ Q5'_N3QW_T..N?^!\O_M_P 578?\,C_%/_H7(_\
P86W_P_]#CK?_@=)_C76_P##)/Q4_P"A97_P86W_M_\O_?9KYX_9H^/CCP%XZO[_M_7])33K.737@24W<,F7,L3!<(S'HK'.,<5]+?\(Y<_WXOS/^%>-BG%U/\O_'V:O\ \".7/]^+\S_A1_P (Y<_WXOS/
M^%\O_'V:O \ ".7/]^+\S_A1_P (Y< WXOS/ M^% %(7MQ_P]Y?\ OLTOVRX_Y[R?]]FKH\.W(CB_ ,_X4O\ PCUS_?B_ ,X4 M 13DKMGG5ZKYN5'6-\6O'#$D^,M?R?34YA_[-2?\ "Y?'=_0Y>(/_ M
:3_P#Q5QR(/\ P:3_ /Q5' "V?" _$.7 MB#_P:3_ !5OJ ME '9T5A_V%]/_0PWO_?F#_XW1_86H_\0PWO_?F#_P"-T ;E%8?]A:C_T,-[_WY@_^-T?
V%]/_ M $,-[_WY@_\ C= &Y16_ 86H_P#0PWO_ 'Y@_P#C=']A:C_T,-[_ -^8/_C= M &Y16' 86H_]##>_]^8/_C='']A:C_P!##>_]^8/_ (W0!N45A_V%]/\ T,-[M_P!^8/\ XW1_86H_]##>_ P#?
F#_XW0!N45A_V%]/_0PWO_?F#_XW1_86H_\ M0PWO_?F#_P"-T ;E%8?]A:C_T,-[_WY@_^-T?V%]/_ $,-[WY@_\ C= &Y16_ 86H_P#0PWO_ 'Y@_P#C=']A:C_T,-[_ -^8/_C= &Y16_ 86H_P#0PWO_
M 'Y@_P#C=']A:C_T,-[_ -^8/_C= &Y16' 86H_]##>_]^8/_C='']A:C_P!# M#>_]^8/_ (W0!N45A_V%]/\ T,-[_P!^8/\ XW1_86H_]##>_ P#?F#_XW0!N M45A_V%]/_0PWO_?F#_XW1_86H_\ 0PWO_?
F#_P"-T ;E%8?]A:C_ -##>_ \ M?F#_ ,-T?V%]/_0PWO\ WY@_^-T ;E%8?]A:C_T,-[_WY@_^-T?V%]/_ $,- M[_WY@_\ C= &Y16' 86H_P#0PWO_ 'Y@_P#C=']A:C_T,-[_ -^8/_C= &Y1
M6' 86H_]##>_]^8/_C='']A:C_P!##>_]^8/_ (W0!N45A_V%]/\ T,-[_P!^ M8/\ XW1_86H_]##>_ P#?F#_XW0!N45A_V%]/_0PWO_?F#_XW1_86H_\ 0PWO M _?F#_P"-T ;E%8?]A:C_ -##>_ \ ?F#_ .-T?
V%]/_0PWO\ WY@_^-T ;E%8 M?]A:C_T,-[_WY@_^-T?V%]/_ $,-[_WY@_\ C= &Y16' 86H_P#0PWO_ 'Y@_P#C=']A:C_T,-[_ -^8/_C= &Y16' 86H_]##>_] M^8/
(W0!N45A_V%]/\ T,-[_P!^8/\ XW1_86H_]##>_ P#?F#_XW0!N45A_ MV%]/_0PWO_?F#_P"-T ;E%8?]A:C_T,-[_WY@_^-T?V%]/_ $,-[_WY M@_\ C= &Y16' 86H_P#0PWO_ 'Y@_P#C=']A:C_T,-[_ -^8/_C= 'Q=^W' M ,E?L/\ L#0 _^C9J^>:]\ ;2M9K/XL6*3WDM\YTB$^9*]J0/-FX^4 ?_*Z\
M#KZ7#_PH^AX]7XV%%%%=!D%%%% !1110 4444 %%%% !1110 4444 %%%% ! M1110!]L_L(?\B!XB_P"PF/\ T4E?35?,Q("'_(@>(O\ L)C_-%)7TU7S>)_ MC2/7H_PT%%?/O[=_C/7/ /[-
>O:QX=U34-'U2.]T^)+O2VQ)O%/QJT7X93JFH_$6TTG5?'&F:;X=_MZ>UL/$MQ:R6\OVB-Y"HC3=* M!M+K< %))Y]6/G:;/V&,P MR$V%I$ZD 6LTJP)RK$]@ #]":*<!? /Q$\? $[PG\'
M< _$;6M(LO%=_X M@N#X@M9;==7-G9;/LMO,^QD28B0F08S\A'K5/Q;\1?BUXI_90*-M,\0>*+ MG4].L]4_M"[\.7MA:?\ 'M>RP17ETDP,DR-'%DI"!DY.1Q0!^@U%WU],\UW<-#/.@$:1.Q)-
RBA5W.[%54$F@ M#WFBOF+5OC1KWQ 7P<=,T\Z;K&G^/TTB>VN3=645PATRYF!D2:%)E7#H=CQ\ ME 1D8--:[\3?$WBWQ[X 73+*VM=7MM6UO2;^RDOI%LI'@AQOW*F77&& *Y!. M.V:
/HRBOF]?VMKO4[+2H-*\W-QKD]K?S75M%:WU[*):7DEFZ(;2VE;#2Q M,0[JHVXSR<#T7Q3\7KO0OAIX9\0IX=N;?6O$-UIUA;:+JC&W>VN;N1$"3G!* M"/<2V 3\N
,D"@#TNBOE_3_&>JVGQ.\20>);0W%TWCW1]/@MK'5IQ;VA?2HV M#K&@+O4\L8F&TL^3D@&MN7]JF;3/#>LWFK: EEKMK?VNG1>'%:X?4(9+9Y,$3 M30B NT9^5@\
E#_,J;B.0#Z%HKPF/]HO4XM!EFU#PY+I&HMJHTZQ2]T_4HSJ M2F#SC);6QM/M4A7#*RB+"[&;=M&34T7]J"ZUC1_ 6K3:!#HVC^(89?M6J:G+ M/':VJU'*?]=!_(UJUE>(_^/%/^N@_D: .?^ _UH
W*\8\?_M8^'_A_KMQI$QO MM5O;9C'.NG1*RQ..'19F49'?&<5ZIXFDNHO#>K/8@F]6TE: +U\P(=OZXK\H M99'EE=Y&9Y&)9F8Y)/IS_S!O$ ^L$'_P = MI?\ ANCP-_T"-?\ ^_$/_P =KX9HKT/J=(Y?
K%0^YO\ ANCP-_T"-?\ ^_$/ M_P =H_X;H\#?] C7_P#OQ#_\=KX9HH^IT@^L5#[F_P"&Z/ W_0(U_P#[\0__ M !VC_ANCP-_T"-?_ _$/_QVOAFBCZG2#ZQ4/N8?MT>!CUTG7A_VPA_^.TO_ M
W/X%_Z!6O?]^(?_CM?#%%'U*D'UBH?<_\ PW/X%_Z!6O?]^(?_ ([1_P - MS^!?^@5KW_?B_X[7PQ11]2I!]8J'W/_ ,-S^!?^@5KW_?B_P".T?\ #<_@ M7_H%:]_WXA_^.U\,44?4J0?
6*A2T#]N;P*>NEZ\/^V$/_P =I?\ AN7P

K]@\OS?M,2I]_=MQACG[AKMO^$CM_P#GG+^0 M_P :^/\ ]BG_)G+_MR_]KU]/5Y%>"IU'&.QWTI.<%)G1?\' "1V__/.7\A_C M1_PD=O\ \\Y?R'^-<[17.:G1?\)'; \ /.7\A_C1_P)'; _\\Y?R'^-<[10!
MT7 "1V__ #SE_(?XT?\ "1V__/.7\A_C7.T4 ?(7[:MZE]\6K&1 R@:1"N&_ MZZS5X#7N7[8/)4;+_L%1?\ HV6O#:^EP_\ "CZ'CU?C9V?P8T^UU7XL>$K. M]MHKRTGU*&.6"= Z2*6&0RG@@^AKM=
(\,VUWX]^,=M!9Z8MOIUAJTL,5S9"5 M81'-A?) 91$X'"L,[?2O+/"GB2Z\'>)=,URR2*2[T^X2XB2=24+*<@, 02/H M17<:E\>M1OKK6+JW\-^'=*N=7LKNQOIK"VE1IUN"I=V)E.7!7(/0;FR#GASC
M)RN@BXVU+^J_ 6WTN1M';Q7;MXQU);5ET4VCA%$[*/R02 =Q&T< \],JC MK/[&U_I.H:+$/$6ZVO;\6$\TM@2LB2KHOF'S%^4C.5/3CT\^U#X \ B'4K M+3%DL-
'75=/6W6+6UL_]*PL&C!;]H75V\06.M6_AWPU8: MA;WGV^2:LK1KF7:PS(WF%L'<20I7)KJOT95Z?8V7_9PM;R72/[)\9VE]!< MZR^A7<\]HUNMK<(F\@98^9D<#[N20.]7K#]E*]U7QO?
Z);:Q/]CL+1;JYNI] M+>*=2S,JHL+/A\[20P?&!USQ7#:;\:M8TZP>R.G:3>6SZU+KCQ7=NTBO-)'Y M;(07QLV]!]X'G=6M!22H*E]Y())!W
M9IM5^C!.GU1MZS^S/("NIZ]_PD'BB/2]#TNUMKHZA]21 /=DC0PA_E.Y&! M^8XQWI?VF-.TW_A;NC6ES??8M-.D6227T-N9-J;3\XCR"?7&17+:?\>-5TV[MU8QZ#X=;3-2AB@FT=K BS B):-
@H<,6!).68]>>@QSOQ%^(FI_$[7HM7U6&U MANH[:.U"V<9C0J@(!P2>>>V!Z 4XPJ?"VE^,_$,5 MAXGDTC0-"MXY]3>YLVG>U,FU8D3##S2Y)_N[>G->< >//A1_PAVO^'K6UUB'5
M=+UZ"&YL=1$)AW1R$#+1DDJ1GIDUNW?[3'B/4-4N;ZZT;P_R/?M4\.'3_'VI>!?! @WPA>0Z/%&CCQ!'$;Z_+1EFD1W(M.F17,^'0V1=9\0^"X->.J):75Y;/>6]DMJ7A" $JKS;QM)'3Y6ZC
MFN=TW]ISQ/8/;74VEZ%J.M6T!MH];O+-FO0A&W!=7 8XXR0:R(_CIK+^`+/2 M; 2-"UA[*%[>SU#4++S+FWC;/RH=P7C/&5.*S4*T?AT*YJ;W.LT7]FJQUFUT MF'_A-H+;6M3T1-<@L)=/?:L14,P:0.
<8Y (!)VG@4MG^S/:ZIJ%@UEXPCFT* M^T:XU>'5'TYDP(7571H]^1][.*Y#3_CIK^FZQI.I16NG&?3=#&@0JT4A M5K<*5W,-_+\GD$#VJ?2/C_XBT71-.TN"STQK>QTNYTF-I(I"S13L&=F(<#<"
MHP0 /4&K<:W1_D*#>8]LRZ5K1T<:9X]@N6UVTEN-(632Y(S<-'GS%Q^<^ M6 0!GYB>>..8M$_99O=^'+>)HM8FAN18O> 8Y]-9(OESE/.+YSP>0F/>N/\ M/?'/7O#4WA&6VM-.D;PS#
<068FBD(D68DN9,..D9XQC\:VK7]I[Q1;Z1%9/I MFAW$L=C)IJW\UK(;C[.^?\ P 3I]4>04445V&:] ML_L(?\B!XB_["8_]%)7TU7S+^PA_R(‘B+_L)C_T4E?35?-XG^-(>C_#1SGQ M
^'GA[XI>&9O#WBC3AJFCS2PSO;&62++Q2+)&=R,K##HIZ\XP%X+/3]&U5-^,\UZ)]JA_P">T?\ WT*/M4/_ #VC_P"^A0!Y;XC_ &6/A9XMT:]T MK5?"4-S8W>K3:Y)&MU<1LEY*)98V20-
%OQ\KH54\DCDY3Q9^RI*/&VD:!I M>L>#+.?3]!@%MI]O#+-;K%"#GRSY;KO3/5]P)R2,FO4_M4/ /:/_OH4?:H? M^>T?_?0H 9IVG6ND:?;6-C;0V5E;1K#!;6Z!(XHU&%55' '3%6*B^U0_
M\]H_^^A1]JA_Y[1_]"@"6BHOM4/_/:/_OH4?:H?^>T?_?0H YGQ%\+/"WBQ M/$2ZMI*7H\06D-CJ6^60>=%$9#$!AAL93*Y#IM8$@YR!BK/\&_"%UX=U[1)M
M*>;3]=NTO]0$EY.TLURB0HDPE+^8DBBV@(=6!#1A@=V2>P^U0_\ /:/_ +Z% M'VJ'_GM'_P!]"@#SL_LZ^ #HYTTZ-<& ZD-9,W]J7?VG[<(3"+G[1YOF^;L) M^?=N+$N3N^:IKSX
^!K[1=*TR32;B.'2I9I[Y@U.[AO(9I6W2S*Y243&5SG M=(7+'WE25U=OF8,Q#-\S9;FNA\2^ /#_ (N*GPWJFEQ M2Z*%C6.UA+0>1Y9!B:)HRK1,A52K(5*E001BMO[5# SVC_[Z%'VJ'_GM'_WT M*
.'T?X%>"-!*M9Z,XE_M.'66GGO;B:66]BC\M)Y)'D+2/MX)8G<>6R>;J6W M[.OP]MM.UBM.@-=0:K;Q6D_VV^N;EXH(F9H8K=Y)&:V2)F+1K"4$;89-I (} M#^U0_P#/:/\ [Z%'VJ'_)[1_P#?0H X*^^
G@S4M#M=+NK/4[A;:[-_#?R: MY?G44G,9B+B]\[[1_JV*8\S&SY<8XJ#_ (9T^'JV&DV$>@O!INF',&G0:AT?_?0H^U0_P#/:/\ [Z% $M%1?:H?^>T?_?0H^U0_\JH_
M^^A0!+65XC_X\4_ZZ#^1K0^U0_\ /:/_+Z%9?B*YB-DF)4/[P?Q#T- &!14 M?G0_\]$_[Z%'GQ_\]$_[Z% $E%1^?'_ST3_OH4>?'_ST3_OH4 245'Y\?_/1 M/^^A1Y\?_/1/^^A0!)14?
GQ_\]$_[Z%'GQ_\]$_[Z% $E;GAG_EY_P"_P!: MY_SX_P#GHG_?0K<\-7$0^TYE0?=_B'OO!T%?/'Q#_8R\.>,O$-SJVG:I/H#W M3F6:WBA66(N3DE1D;#L1*$9JTD?*O_P18_\ 0XW'_@_O_P
71_PP18_]#CT?_?0H^U0_P#/:/\ [Z%;_6JW\QG["GV/E7_A@BQ_Z'&X_P# !?\ XNC_M (8(L?\ H<;C_P %_\ BZ^JOM4/_/:/_OH4?:H?^>T?_?0H^M5OY@]A3['R MH?V"++MXRG'UL%_^.4G_ P/:?\
0YS_/@O'_QROJS[5#_SVC_[Z%'VJ'_G MM'_WT*/K5;^;\@]A3['RG_PP/:?]#/G/_ .\"?_'*/^&!['3_HT?_ 'T*/M4/_/:/_OH4?6JW\WY!["GV/E/_ (8'M\/ H/ M_CE'_#]I_T.<_\
X+Q_\PI]CY1_X8'MO^ATE_\%P_^.4?\,#VW_0Z2_\ M@N'_,T?_?0H^U0_P#/:/\ [Z%' MUJM_-^0>PI]CY1/[ ]OV\;2_^"T?_':3_A@:W_Z'63_P6C_X[7U?]JA_Y[1_M]]"C[5# _,]H_P#OH4?6JW\WY!
["GV/E#_A@:#_H=9/_ 6C_P".T?\ # T' M_0ZR?^"T?_':^K_M4/\ SVC_ .^A1]JA_P">T?\ WT*/K5;^;\@]A3['RA_P MP-!_T.LG_@M'_P =H_X8&@_Z'63_ ,%H_P#CM?5_VJ'_)[1_P#?0H^U0_\ M:/:/
+Z%'UJM_-^0>PI]CY//[T../&LGXZ8/_CM)_PP-%_T.S_^"P?_!VO MK'[5#_SVC_[Z%'VJ'_GM'_WT*/K=;^;\@]A3['R=_P ,#1?]#L_ (+! P#' M:/\ A@:+_H=G_P#!8/\ X[7UC]JA_P">T?\ WT*/M4/
#VC_P"^A1];K?S? MD'L*?8^3O^&!HO\ H=G_/!8/_CM'_#_T7_0[/\ ^"P?_':^L?M4/_/:/_OH M4?:H?^>T?_?0H^MUOYOR#V%/L?)I_8%C[>-V'UTO_P"W4G_# J_]#P?_5? M_;]^L_M4/_/:/_OH4?:H?
^>T?_?0H^MUOYOR#V%/L?)G_# J_P#0\'_P5?\ MVZC_(8%7_H>#_X*O_MU?6?VJ'_GM'_WT*/M4/\ SVC_ .^A1];K?S?D'L*? M8^3/^&!5_P"AX/\ X*O_ +=1_P ,"K_T/!_\%7_VZOK/[5#_ ,]H_P#OH4?:
MH?\ GM'_-]"CZW6_F_(/84^Q\EG]@4=O'!_\%7_-NH_P"&!\ J>?_ "D_M_;]^M/M4/_/:/_OH4?:H?^>T?_?0H^MUOYOR#V%/L?)?_# G_4_^4G_.W4 M?
\,"?]3S_P"4G_[=7UI]JA_Y[1_]"C[5#_SVC_[Z%'UNM_-^0O84^QE_M# G_%//_E)_^W4?\,"?]3S_.4G_P"W5]:?:H?^>T?_ 'T*/M4/_/:/_OH4 M?6ZW\WY!["GV/DH_L"'MXYQ]=)_^WTG_P(W_0]#_P4?
_;Z^MOM4/\ SVC_M .^A1]JA_P">T?\ WT*/K=;^;\@]A3['R3_PP(W_$/0_P#!1_\;Z/^&!&_ MZ'H?^"C_.WU];?:H?\ GM'_-]"C[5#_P]H_\ OH4_K=;^;\$'L*?8^2?^ M&!&_Z'H?^"C_.WT?\,"_T/0_\
!1_]OKZV^U0_\]H_^^A1]JA_Y[1_]"C MZW6_F_!![/"GV/&/@G^S?_'/_*];

link:definitionLink 995210901 - Disclosure - Commitments and Contingencies link:presentationLink link:calculationLink link:definitionLink 995211001 - Disclosure - Share-Based Compensation link:presentationLink link:calculationLink link:definitionLink 995211101 - Disclosure - Subsequent Events link:presentationLink link:calculationLink link:definitionLink 99920302 - Disclosure - Summary of Significant Accounting Policies (Policies) link:presentationLink link:calculationLink link:definitionLink 99930303 - Disclosure - Summary of Significant Accounting Policies (Tables) link:presentationLink link:calculationLink link:definitionLink 99930403 - Disclosure - Cash, Cash Equivalents and Marketable Securities (Tables) link:presentationLink link:calculationLink link:definitionLink 99930503 - Disclosure - Fair Value of Financial Instruments (Tables) link:presentationLink link:calculationLink link:definitionLink 99930603 - Disclosure - Property and Equipment, Net (Tables) link:presentationLink link:calculationLink link:definitionLink 99930703 - Disclosure - Accrued Expenses and Other Current Liabilities (Tables) link:presentationLink link:calculationLink link:definitionLink 99930803 - Disclosure - Leases (Tables) link:presentationLink link:calculationLink link:definitionLink 99931003 - Disclosure - Share-Based Compensation (Tables) link:presentationLink link:calculationLink link:definitionLink 99940803 - Disclosure - Leases - Sublease income (Details) link:presentationLink link:calculationLink link:definitionLink EX-101.CAL 8 pasg-20240630_cal.xml EX-101.CAL EX-101.DEF 9 pasg-20240630_def.xml EX-101.DEF EX-101.LAB 10 pasg-20240630_lab.xml EX-101.LAB Document and Entity Information Document Type Document Quarterly Report Document Period End Date Document Transition Report Entity File Number Entity Registrant Name Entity Incorporation, State or Country Code Entity Tax Identification Number Entity Address, Address Line One Entity Address, Address Line Two Entity Address, City or Town Entity Address, State or Province Entity Address, Postal Zip Code City Area Code Local Phone Number Title of 12(b) Security Trading Symbol Security Exchange Name Entity Current Reporting Status Entity Interactive Data Current Entity Filer Category Entity Small Business Entity Emerging Growth Company Entity Ex Transition Period Entity Shell Company Entity Common Stock, Shares Outstanding Entity Central Index Key Current Fiscal Year End Date Document Fiscal Year Focus Document Fiscal Period Focus Amendment Flag Balance Sheets Statement [Table] Statement [Line Items] Assets [Abstract] Assets Current assets: Cash and Cash Equivalents, at Carrying Value Cash and cash equivalents Debt Securities, Available-for-sale, Current Marketable securities Prepaid Expense and Other Assets, Current Prepaid expenses and other current assets Amount of asset related to consideration paid in advance for current portion of prepaid research and development expense that provides economic benefits within a future period of one year or the normal operating cycle, if longer. Prepaid Research And Development Asset, Current Prepaid research and development Assets, Current Total current assets Property, Plant and Equipment, Net Property and equipment, net Total, property plant and equipment net Operating Lease, Right-of-Use Asset Right of use assets - operating leases Other Assets, Noncurrent Other assets Assets Total assets Liabilities and stockholders' equity Current liabilities: Accounts Payable, Current Accounts payable The carrying balance as of the balance sheet of accrued expenses and other current liabilities. Accrued Expenses and Other Current Liabilities. Accrued expenses and other current liabilities Accrued expenses and other current liabilities Operating Lease, Liability, Current Operating lease liabilities Liabilities, Current Total current liabilities Operating Lease, Liability, Noncurrent Operating lease liabilities - noncurrent Liabilities Total liabilities Commitments and Contingencies Commitments and contingencies (note 9) Stockholders' equity: Preferred Stock, Value, Issued Preferred stock, $0.0001 par value: 10,000,000 shares authorized; no shares issued and outstanding at both June 30, 2024 and December 31, 2023 Common Stock, Value, Issued Common stock, $0.0001 par value: 300,000,000 shares authorized; 61,754,786 shares issued and outstanding at June 30, 2024 and 54,944,130 shares issued and outstanding at December 31, 2023 Additional Paid in Capital Additional paidin capital Accumulated Other Comprehensive Income (Loss), Net of Tax Accumulated other comprehensive income (loss) Retained Earnings (Accumulated Deficit) Accumulated deficit Stockholders' Equity Attributable to Parent Balance at end of period Balance at Beginning of period Total stockholders' equity Liabilities and Equity Total liabilities and stockholders' equity Preferred Stock, Par or Stated Value Per Share Preferred stock, par value (in dollars per share) Preferred Stock, Shares Authorized Preferred stock, shares authorized Preferred Stock, Shares Issued Preferred stock, shares issued Preferred Stock, Shares Outstanding Preferred stock, shares outstanding Common Stock, Par or Stated Value Per Share Common stock, par value (in dollars per share) Common Stock, Shares Authorized Common stock, shares authorized Common Stock, Shares, Issued Common stock, shares issued Common Stock, Shares, Outstanding Common stock, shares outstanding Statements of Operations and Comprehensive Loss Operating expenses: Research and Development Expense (Excluding Acquired in Process Cost) Research and development General and Administrative Expense General and administrative Asset Impairment Charges Asset impairment charges Impairment of long-lived assets Operating Income (Loss) Loss from operations Other Nonoperating Income (Expense) Other income (expense), net Net loss Net loss Per share information: Earnings Per Share, Basic Net loss per share of common stock, basic Earnings Per Share, Diluted Net loss per share of common stock, diluted Weighted Average Number of Shares Outstanding, Basic Weighted average common shares outstanding, basic Weighted Average Number of Shares Outstanding, Diluted Weighted average common shares outstanding, diluted Comprehensive loss: OCI, Debt Securities, Available-for-Sale, Unrealized Holding Gain (Loss), before Adjustment and Tax Unrealized gain (loss) on marketable securities Comprehensive Income (Loss), Net of Tax, Attributable to Parent Comprehensive loss Statements of Stockholders' Equity Equity Components [Axis] Equity Component [Domain] Common stock Additional paid-in capital Accumulated other comprehensive income (loss) Accumulated deficit Increase (Decrease) in Stockholders' Equity [Roll Forward] Stockholders' equity Shares, Outstanding Balance at end of period (in shares) Balance at Beginning of period (in shares) Stock Issued During Period, Value, New Issues Sale of common stock, net of issuance costs Issuance of common stock under the ATM Facility, net of offering costs Stock Issued During Period, Shares, New Issues Shares issued Issuance of common stock under the ATM Facility, net of offering costs (in share) Shares Issued, Value, Share-based Payment Arrangement, after Forfeiture Exercise of stock options and vesting of restricted stock units Shares Issued, Shares, Share-based Payment Arrangement, after Forfeiture Exercise of stock options and vesting of restricted stock units (in shares) Stock Issued During Period, Value, Employee Stock Purchase Plan Issuance of shares in connection with employee stock purchase plan Stock Issued During Period, Shares, Employee Stock Purchase Plans Issuance of shares in connection with employee stock purchase plan (in shares) APIC, Share-based Payment Arrangement, Increase for Cost Recognition Share-based compensation expense Statements of Cash Flows Cash flows used in operating activities: Adjustments to reconcile net loss to net cash provided by (used in) operating activities: Depreciation, Depletion and Amortization Depreciation and amortization Depreciation expense Share-based Payment Arrangement, Noncash Expense Sharebased compensation Amortization of Debt Discount (Premium) Amortization of premium and discount on marketable securities, net Gain (Loss) on Disposition of Property Plant Equipment Loss on disposal of property and equipment Loss on disposal of property and equipment Changes in operating assets and liabilities: Increase (Decrease) in Prepaid Expense and Other Assets Prepaid expenses and other current assets, and other assets The amount of increase (decrease) in prepaid research and development. Increase (Decrease) In Prepaid Research and Development Prepaid research and development The amount of increase (decrease) during the period in the carrying value of right of use assets and operating lease liabilities. Increase (Decrease) in Right of Use Assets and Operating Lease Liabilities Right of use assets and operating lease liabilities Increase (Decrease) in Accounts Payable, Trade Accounts payable Increase (Decrease) in Accrued Liabilities and Other Operating Liabilities Accrued expenses and other current liabilities Net Cash Provided by (Used in) Operating Activities Net cash provided by (used in) operating activities Cash flows provided by (used in) investing activities: Payments to Acquire Marketable Securities Purchases of marketable securities Proceeds from Sale and Maturity of Marketable Securities Sales or maturities of marketable securities Payments to Acquire Machinery and Equipment Purchases of property and equipment Net Cash Provided by (Used in) Investing Activities Net cash provided by (used in) investing activities Cash flows provided by (used in) financing activities: Proceeds from Issuance of Convertible Preferred Stock Proceeds from issuance of common stock under the ATM Facility, net of offering costs Proceeds from Stock Options Exercised Proceeds from the exercise of stock options Proceeds from Stock Plans Proceeds from the issuance of common stock under employee stock purchase plan Net Cash Provided by (Used in) Financing Activities Net cash provided by (used in) financing activities Cash, Cash Equivalents, Restricted Cash and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect Net increase (decrease) in cash and cash equivalents Cash, Cash Equivalents, Restricted Cash and Restricted Cash Equivalents Cash and cash equivalents at end of period Cash and cash equivalents at beginning of period Supplemental disclosure of noncash investing and financing activities: Supplemental disclosure of noncash investing and financing activities: Marketable Securities, Unrealized Gain (Loss) Unrealized gain (loss) on marketable securities Right-of-Use Asset Obtained in Exchange for Operating Lease Liability Right of use assets recognized upon the commencement of sublease The amount of lease liabilities recognized upon adoption of standard. Operating Lease Liability Recognized Upon Adoption of Standard Operating lease liabilities recognized upon the commencement of sublease Nature of Operations Nature of Operations [Text Block] Nature of Operations No definition available. Risks and Liquidity The entire disclosure of information pertaining to risk and liquidity. Risks And Liquidity [Text Block] Risks and Liquidity Summary of Significant Accounting Policies Significant Accounting Policies [Text Block] Summary of Significant Accounting Policies No definition available. Cash, Cash Equivalents and Marketable Securities Cash, Cash Equivalents, and Marketable Securities [Text Block] Cash, Cash Equivalents and Marketable Securities Fair Value of Financial Instruments Fair Value Disclosures [Text Block] Fair Value of Financial Instruments Property and Equipment, Net Property, Plant and Equipment Disclosure [Text Block] Property and Equipment, Net Accrued Expenses and Other Current Liabilities The entire disclosure of information pertaining to accrued expenses and other current liabilities. Accrued Expenses And Other Current Liabilities Disclosure [Text Block] Accrued Expenses and Other Current Liabilities Leases Lessee, Operating Leases [Text Block] Leases Commitments and Contingencies. Commitments and Contingencies Disclosure [Text Block] Commitments and Contingencies Share-Based Compensation Share-based Payment Arrangement [Text Block] Share-Based Compensation Subsequent Events. Subsequent Events [Text Block] Subsequent Events Disclosure of accounting policy for basis of presentation. Basis Of Presentation [Policy Text Block] Basis of Presentation Disclosure of accounting policy for interim financial statements. Interim Financial Statements [Policy Text Block] Interim Financial Statements Use of Estimates, Policy [Policy Text Block] Use of Estimates Fair Value of Financial Instruments, Policy [Policy Text Block] Fair Value of Financial Instruments Concentration Risk, Credit Risk, Policy [Policy Text Block] Concentration of Credit Risk Segment Reporting, Policy [Policy Text Block] Segment Information Cash and Cash Equivalents, Policy [Policy Text Block] Cash and Cash Equivalents Marketable Securities, Policy [Policy Text Block] Marketable Securities Property, Plant and Equipment, Policy [Policy Text Block] Property and Equipment, Net Lessee, Leases [Policy Text Block] Leasing Share-based Payment Arrangement [Policy Text Block] Share-Based Compensation Research and Development Expense, Policy [Policy Text Block] Research and Development Disclosure of accounting policy for other income or other expense items. Other Income and Other Expense Policy [Policy Text Block] Other Income (Expense), Net Earnings Per Share, Policy [Policy Text Block] Net Loss Per Share New Accounting Pronouncements, Policy [Policy Text Block] Recently Adopted Accounting Pronouncements Schedule of Antidilutive Securities Excluded from Computation of Earnings Per Share [Table Text Block] Schedule of antidilutive securities excluded from computation of earnings per share Schedule of Cash and Cash Equivalents [Table Text Block] Schedule of details regarding the Company's portfolio of cash and cash equivalents Schedule of Available-for-sale Securities Reconciliation [Table Text Block] Schedule of details regarding the Company's portfolio of marketable securities Investments Classified by Contractual Maturity Date [Table Text Block] Schedule of contractual maturities of our marketable securities Fair Value Measurements, Recurring and Nonrecurring [Table Text Block] Summary of assets measured at fair value on a recurring basis Tabular disclosure of the useful life of long-lived, physical assets that are used in the normal conduct of business to produce goods and services and not intended for resale. Schedule of Property, Plant and Equipment, Useful Life [Table Text Block] Schedule of property and equipment, net Tabular disclosure of information pertaining to accrued expenses and other current liabilities. Schedule Of Accrued Liabilities And Other Current Liabilities [Table Text Block] Schedule of accrued liabilities and other current liabilities Lessee, Operating Lease, Liability, Maturity [Table Text Block] Schedule of future minimum rental payments for operating leases Lease, Cost [Table Text Block] Summary of operating leases Share-based Payment Arrangement, Expensed and Capitalized, Amount [Table Text Block] Schedule of share-based compensation expense category Share-based Payment Arrangement, Option, Activity [Table Text Block] Summary of stock option activity plan Schedule of Share-based Payment Award, Stock Options, Valuation Assumptions [Table Text Block] Schedule of weighted average assumptions applied to options Nonvested Restricted Stock Shares Activity [Table Text Block] Summary of activity related to restricted stock unit Schedule of information pertaining to risk and liquidity. Risks And Liquidity [Table] Sale of Stock [Axis] Sale of Stock [Domain] Represents the member information pertaining to at-the-market (ATM) facility. ATM Facility Statistical Measurement [Axis] Statistical Measurement [Domain] Maximum Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. Risks And Liquidity [Line Items] Proceeds from Issuance of Common Stock Proceeds from issuance of common stock, net of offering costs Payments of Stock Issuance Costs Issuance cost The maximum value of shares authorized to offer and sell. Maximum Value of Shares Authorized to Offer And Sell Capacity to offer and sell shares The remaining capacity of value of shares available to be sold. Remaining Capacity of Value of Shares Available to Be Sold Remaining capacity available to be sold Schedule of Antidilutive Securities Excluded from Computation of Earnings Per Share [Table] Long-Lived Tangible Asset [Axis] Long-Lived Tangible Asset [Domain] Computer hardware and software Office equipment Represents the information pertaining to Laboratory equipment. Laboratory equipment Furniture and fixtures Antidilutive Securities [Axis] Antidilutive Securities, Name [Domain] Represents information pertaining to stock options (including shares subject to repurchase). Stock options (including shares subject to repurchase) Unvested restricted stock units Employee stock purchase plan Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Property, Plant and Equipment, Useful Life Useful life Impairment of Long-Lived Assets to be Disposed of Impairment of property and equipment Investment Income, Net, Amortization of Discount and Premium Amortization of premium and discount Sublease Income Sublease Income Sublease rental income The amount of gain (loss) on sale of tax credits. Gain (Loss) on Sale of Tax Credits Gain (loss) on sale of tax credits Antidilutive Securities Excluded from Computation of Earnings Per Share, Amount Amount of antidilutive securities excluded from computation of earnings per share Schedule of Cash and Cash Equivalents [Table] Cash and Cash Equivalents [Axis] Cash and Cash Equivalents [Domain] Cash accounts in banking institutions Money market funds Commercial paper Corporate debt securities Cash and Cash Equivalents [Line Items] Cash, cash equivalents and marketable securities Cash and Cash Equivalents, at Carrying Value [Abstract] Cash and cash equivalents Cash Equivalents, at Carrying Value Cost or Amortized cost Cash and Cash Equivalents, Fair Value Disclosure Cash equivalents Fair value Financial Instrument [Axis] Financial Instruments [Domain] Certificates of deposit U.S. government securities US Government Agencies Debt Securities [Member] U.S. government agency securities Debt Securities, Available-for-sale, Fair Value to Amortized Cost [Abstract] Debt Securities, Available-for-sale, Amortized Cost Amortized cost Debt Securities, Available-for-sale, Accumulated Gross Unrealized Gain, before Tax Unrealized gains Debt Securities, Available-for-sale, Accumulated Gross Unrealized Loss, before Tax Unrealized losses Debt Securities, Available-for-sale Marketable securities Fair value Investments, Debt and Equity Securities [Abstract] Debt Securities, Available-for-sale [Table] Debt Securities, Available-for-sale [Line Items] Debt Securities, Available-for-sale, Maturity, Allocated and Single Maturity Date, Amortized Cost [Abstract] Debt Securities, Available-for-Sale, Amortized Cost, Maturity, Allocated and Single Maturity Date, Year One Due within one year, Amortized Cost Debt Securities, Available-for-sale, Maturity, Allocated and Single Maturity Date, Amortized Cost Total, Amortized Cost Debt Securities, Available-for-sale, Maturity, Allocated and Single Maturity Date, Fair Value [Abstract] Debt Securities, Available-for-Sale, Fair Value, Maturity, Allocated and Single Maturity Date, Year One Due within one year, Fair Value Debt Securities, Available-for-sale, Maturity, Allocated and Single Maturity Date, Fair Value Total, Fair Value Fair Value, Recurring and Nonrecurring [Table] Fair Value Hierarchy and NAV [Axis] Fair Value Hierarchy and NAV [Domain] Level 1 Level 2 Measurement Frequency [Axis] Measurement Frequency [Domain] Recurring Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Assets, Fair Value Disclosure Total financial assets Property, Plant and Equipment [Table] Represents the information pertaining to Computer Hardware and Software. Computer hardware and software. Leasehold improvements Construction in progress Property, Plant and Equipment [Line Items] Property, Plant and Equipment, Gross Total property and equipment Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment Accumulated depreciation and amortization Accrued Professional Fees, Current Professional fees Employee-related Liabilities, Current Compensation and related benefits The carrying balance as of the balance sheet of accrued research and development expense. Accrued Research And Development Expense Research and development Amount accrued for payments related to collaboration agreement Collaboration Agreement, Accrued Payments Accrued payments on collaboration Amount due to Penn for discovery research Other Liabilities, Current Amount due to Catalent in connection with Amended Catalent Agreements Lessee, Lease, Description [Table] Represents the operating lease agreement for office space. Operating Leases For Office Space Represents information pertaining to Sublease Agreement A. Sublease Agreement A [Member] Sublease Agreement A Represents information pertaining to Sublease Agreement B. Sublease Agreement B [Member] Sublease Agreement B Represents the operating lease agreement for laboratory space. Operating Leases For Laboratory Space Represents the member information pertaining to 1835 Market Street Sublease Agreement. 1835 Market Street Sublease Agreement Lessee, Lease, Description [Line Items] Area of Land Area leased Term of the lease Lessee, Operating Lease, Existence of Option to Extend [true false] Option to extend lease Represents the number of extensions available under the new lease arrangement. New Lease Agreement, Operating Lease, Number Of Extensions Number of

extension terms Lessee, Operating Lease, Remaining Lease Term Renewal term of lease Lessee, Operating Lease, Existence of Option to Terminate [true false] Option to terminate lease Represents the notice period for termination of lease. Lessee, Operating Lease, Notice Period for Termination of Lease Notice Period for termination lease Represents the percentage of annual increase in sublease rent. Percentage of Annual Increase in Sublease Rent Annual increase in sublease rent (as a percent) Represents the renewal term under new lease agreement. New Lease Agreement, Operating Lease, Renewal Term Extended term of new lease agreement Represents the percentage of target annual bonus amounts. Percentage of Target Annual Bonus Amounts Target annual bonus Operating Leases, Future Minimum Payments Due, Fiscal Year Maturity [Abstract] Future minimum lease payments Lessee, Operating Lease, Liability, Payments, Remainder of Fiscal Year 2024 Lessee, Operating Lease, Liability, Payments, Due Next Twelve Months 2025 Lessee, Operating Lease, Liability, Payments, Due Year Two 2026 Lessee, Operating Lease, Liability, Payments, Due Year Three 2027 Lessee, Operating Lease, Liability, Payments, Due Year Four 2028 Amount of lessee's undiscounted obligation for lease payment for operating lease due after fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). Lessee Operating Lease Liability Payments Due After Year Four Thereafter Lessee Operating Lease Liability Payments Due Total undiscounted lease payments Lessee, Operating Lease, Liability, Undiscounted Excess Amount Less: imputed interest Operating Lease, Liability Total Lease Liabilities Operating Lease, Cost Operating lease cost Variable Lease, Cost Variable lease cost Lease, Cost Lease cost Operating Lease, Weighted Average Discount Rate, Percent Weighted-average discount rate Operating Lease, Weighted Average Remaining Lease Term Weighted-average remaining lease term (years) Operating Lease, Payments, Use Operating lease payments Collaborative Arrangement and Arrangement Other than Collaborative [Table] Collaborative Arrangement and Arrangement Other than Collaborative [Axis] Collaborative Arrangement and Arrangement Other than Collaborative [Domain] Represents the information pertaining to amended and restated research, collaboration and license agreement with Penn. Amended and restated agreement with Penn Minimum Income Statement Location [Axis] Income Statement Location [Domain] General and administrative Counterparty Name [Axis] Counterparty Name [Domain] Represents information pertaining to Catalent Maryland, Inc. (Catalent) (formerly Paragon Bioservices, Inc.). Catalent Maryland Inc [Member] Collaborative Arrangement and Arrangement Other than Collaborative [Line Items] Represents the amount of annual fee payable during the period under the collaboration agreement. Collaboration Agreement, Annual Fee Payable Annual fee payable Collaboration Agreement Quarterly Fee Payable Collaboration Agreement Quarterly Fee Payable Quarterly fee payable The amount of upfront payment made during the period under the collaboration agreement. Collaboration Agreement, Upfront Payment Made Upfront payments The amount of upfront fee payable upon clinical candidate designation under the collaboration agreement if the company were to exercise the options. Collaboration Agreement, Upfront Fee Payable Upon Clinical Candidate Designation Upfront fee payable upon clinical candidate designation The amount of upfront fee due. Collaboration Agreement Upfront Fee Upfront fee due Percentage of tired transaction fee payable under the collaboration agreement. Collaboration Agreement, Tiered Transaction Fee Payable, Percent Collaboration agreement, tiered transaction fee percent Represents the term of annual fee payable during the period under the collaboration agreement. Collaboration Agreement Annual Fee Payable Term Annual fee payable, term The period for which the annual fee is payable for the use of clean room suite under the collaboration agreement. Collaboration Agreement, Period For Which Annual Fee is Payable Period for which annual fee is payable Represents the term of manufacturing and supply agreement. Term Of Manufacturing And Supply Agreement Term of manufacturing and supply agreement Purchase Commitment, Remaining Minimum Amount Committed Minimum amount agreed to purchase in batches of drug product The amount of payable per product candidate for rare monogenic disorders upon achievement of specific development milestone payment on collaboration and license agreement. Collaboration Agreement, Amount Payable Per Product Candidate for Rare Monogenic Disorders, Upon Achievement Of Specific Development Milestone Amount payable per product candidate for rare, monogenic disorders The amount of payable per product candidate for large CNS indications upon achievement of specific development milestone payment on collaboration and license agreement. Collaboration Agreement, Amount Payable Per Product Candidate for Large CNS Indications, Upon Achievement Of Specific Development Milestone Amount payable per product candidate arising from the exploratory program for large CNS indications The amount of payable on sales milestone payment on collaboration and license agreement. Collaboration Agreement Sales Milestone Payments Payable Sales milestone payments The amount of aggregate payments required to be made under collaboration agreement. Collaboration Agreement, Aggregate Payments Aggregate payments on collaboration The amount of upfront payments made under collaboration agreements. Collaboration Agreement, Upfront Payments Prepaid assets related to upfront payments The amount of expense recognized on write off of upfront payments made Collaboration Agreement, Expense on Write off of Upfront Payments Expenses on elimination of prepaid asset The amount of expense recognized on write off of payments made under collaboration agreement. Collaboration Agreement, Expense on Write off Expense on write off The amount of expense recognized on write off of aggregate payments made under collaboration agreement. Collaboration Agreement, Expense on Write off of Aggregate Payments Expense on write off of aggregate payments The number of stock issued during period for settlement of litigation. Stock Issued During Period, Settlement of Litigation Common stock Schedule of Share-based Compensation Arrangements by Share-based Payment Award [Table] Plan Name [Axis] Plan Name [Domain] Represents information pertaining to Equity Incentive Plan. Equity Incentive Plan [Member] Equity Incentive Plan Represents information pertaining to 2021 Equity Inducement plan. Equity Inducement Plan 2021 Represents information pertaining to Employee Stock Purchase Plan. Employee Stock Purchase Plan Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Represents the number of equity incentive plans. Number Of Equity Incentive Plans Number of equity incentive plans Share-based Compensation Arrangement by Share-based Payment Award, Number of Shares Authorized Shares authorized Common Stock, Capital Shares Reserved for Future Issuance Shares available for future grant Share-based Compensation Arrangement by Share-based Payment Award, Number of Shares Available for Grant Shares available for future grant Represents the period till which there is automatic annual increase in rights granted under the share based payment arrangement. Share Based Payment Arrangement, Period Till Which Automatic Increase In Rights Granted Period till which there is automatic increase in rights granted under the Plan Represents the percentage of outstanding common shares to be taken as automatic annual increase in rights granted under the share based payment arrangement Share Based Payment Arrangement, Percentage Of Outstanding Common Shares As Automatic Increase Percent of the total number of shares of the Company's common stock outstanding Duration from date of grant (issuance of an option) to when option auto expires. Share-based Compensation Arrangement By Share-based Payment Award Term Term of award Share-based Compensation Arrangement by Share-based Payment Award, Award Vesting Period Vesting period Additional number of common shares reserved for future issuance. Common Stock, Additional Capital Shares Reserved for Future Issuance Additional number of common shares reserved for future issuance Represents the period till which there is automatic annual increase in rights granted under the employee stock purchase plan. Employee Stock Purchase Plan, Period Till Which Automatic Increase In Rights Granted Period till which there is automatic increase in rights granted under ESPP Represents the percentage of total number of shares of the Company's common stock outstanding equal to which shares may be issued under Employee Stock Purchase Plan. Employee Stock Purchase Plan Issuance, Percentage Of Common Stock Outstanding Percentage of common stock outstanding The stock purchase price percentage on the lower of the fair market value of the Company's common stock on the first or last day of the respective offering period under the ESPP. Employee Stock Purchase Plan, Stock Purchase Price Percentage Percentage of stock purchase price Represents the maximum contribution percentage on eligible compensation by eligible employees under Employee Stock Purchase Plan. Employee Stock Purchase Plan, Maximum Employee Contribution Percentage Percentage of maximum employee contribution The maximum amount of common stock that a participant may accrue rights to purchase for each calendar year in which such right is outstanding. Employee Stock Purchase Plan, Maximum Amount Of Common Stock That Can Be Purchased Maximum amount of common stock that can be purchased Number of shares that can be purchased. Employee Stock Purchase Plan Number Of Shares That Can Be Purchased Number of shares purchased Research and development Share-based Payment Arrangement, Expense Share-based compensation expense Share-based Compensation Arrangement by Share-based Payment Award, Options, Outstanding [Roll Forward] Number of shares Share-based Compensation Arrangement by Share-based Payment Award, Options, Outstanding, Number Outstanding, Ending of period Outstanding, Beginning of period Share-based Compensation Arrangement by Share-based Payment Award, Options, Grants in Period, Gross Granted Share-based Compensation Arrangement by Share-based Payment Award, Options, Exercises in Period Exercised Share-based Compensation Arrangement by Share-based Payment Award, Options, Forfeitures in Period Forfeited Share-based Compensation Arrangement by Share-based Payment Award, Options, Exercisable, Number Vested and exercisable at June 30, 2024 Share-based Compensation Arrangement by Share-based Payment Award, Options, Vested and Expected to Vest, Outstanding, Number Vested or expected to vest at June 30, 2024 Share-based Compensation Arrangement by Share-based Payment Award, Options, Outstanding, Weighted Average Exercise Price [Abstract] Weighted average exercise price per share Share-based Compensation Arrangement by Share-based Payment Award, Options, Outstanding, Weighted Average Exercise Price Outstanding, Ending of period Outstanding, Beginning of period Share-based Compensation Arrangements by Share-based Payment Award, Options, Grants in Period, Weighted Average Exercise Price Granted Share-based Compensation Arrangements by Share-based Payment Award, Options, Exercises in Period, Weighted Average Exercise Price Exercised Share-based Compensation Arrangements by Share-based Payment Award, Options, Forfeitures in Period, Weighted Average Exercise Price Forfeited Share-based Compensation Arrangement by Share-based Payment Award, Options, Exercisable, Weighted Average Exercise Price Vested and exercisable at June 30, 2024 Share-based Compensation Arrangement by Share-based Payment Award, Options, Vested and Expected to Vest, Outstanding, Weighted Average Exercise Price Vested or expected to vest at June 30, 2024 Share-based Compensation Arrangement by Share-based Payment Award, Options, Additional Disclosures [Abstract] Weighted average remaining contractual term (years) Share-based Compensation Arrangement by Share-based Payment Award, Options, Outstanding, Weighted Average Remaining Contractual Term Outstanding Share-based Compensation Arrangement by Share-based Payment Award, Options, Exercisable, Weighted Average Remaining Contractual Term Vested and exercisable at June 30, 2024 Share-based Compensation Arrangement by Share-based Payment Award, Options, Vested and Expected to Vest, Outstanding, Weighted Average Remaining Contractual Term Vested or expected to vest at June 30, 2024 Share-based Compensation Arrangement by Share-based Payment Award, Options, Grants in Period, Weighted Average Grant Date Fair Value Weighted average grant date fair value of options granted Share-based Payment Arrangement, Nonvested Award, Option, Cost Not yet Recognized, Amount Unrecognized compensation expense related to unvested stock option awards Share-based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Period for Recognition Weighted average period for recognition Share-based Compensation Arrangement by Share-based Payment Award, Fair Value Assumptions and Methodology [Abstract] Share-based Compensation Arrangement by Share-based Payment Award, Fair Value Assumptions, Expected Volatility Rate Expected volatility Share-based Compensation Arrangement by Share-based Payment Award, Fair Value Assumptions, Risk Free Interest Rate Risk-free interest rate Share-based Compensation Arrangement by Share-based Payment Award, Fair Value Assumptions, Expected Term Expected term Share-based Compensation Arrangement by Share-based Payment Award, Options, Nonvested, Number of Shares [Roll Forward] Number of shares Share-based Compensation Arrangement by Share-based Payment Award, Equity Instruments Other than Options, Nonvested, Number Unvested balance, Ending Unvested balance, Beginning Share-based Compensation Arrangement by Share-based Payment Award, Equity Instruments Other than Options, Grants in Period Granted Share-based Compensation Arrangement by Share-based Payment Award, Equity Instruments Other than Options, Vested in Period Vested Share-based Compensation Arrangement by Share-based Payment Award, Equity Instruments Other than Options, Forfeited in Period Forfeited Share-based Compensation Arrangement by Share-based Payment Award, Options, Nonvested, Weighted Average Grant Date Fair Value [Abstract] Weighted average grant date fair value Share-based Compensation Arrangement by Share-based Payment Award, Equity Instruments Other than Options, Nonvested, Weighted Average Grant Date Fair Value Unvested balance, Weighted average grant date fair value, Ending Unvested balance, Weighted average grant date fair value, Beginning Share-based Compensation Arrangement by Share-based Payment Award, Equity Instruments Other than Options, Grants in Period, Weighted Average Grant Date Fair Value Granted, Weighted average grant date fair value Share-based Compensation Arrangement by Share-based Payment Award, Equity Instruments Other than Options, Vested in Period, Weighted Average Grant Date Fair Value Vested, Weighted average grant date fair value Share-based Compensation Arrangement by Share-based Payment Award, Equity Instruments Other than Options, Forfeitures, Weighted Average Grant Date Fair Value Forfeited, Weighted average grant date fair value Share-based Payment Arrangement, Nonvested Award, Excluding Option, Cost Not yet Recognized, Amount Total unrecognized expense Subsequent Event [Table] Subsequent Event Type [Axis] Subsequent Event Type [Domain] Subsequent Events Represents information pertaining to the arrangement with Gemma Biotherapeutics Inc. Arrangement With Gemma Biotherapeutics Inc [Member] Arrangement With Gemma Biotherapeutics Inc Subsequent Event [Line Items] Subsequent Events Amount of upfront license fee that is receivable under the license arrangement. Upfront License Fee Receivable Upfront license fee receivable Amount receivable by the entity upon successful series A financing. Amount Receivable Upon SeriesA Financing Amount receivable upon seriesA financing The maximum additional amount in development and commercial milestone payments receivable. Maximum Additional Amount in Development And Commercial Milestone Payments Receivable Maximum additional amount in development and commercial milestone payments receivable Represents the grant of options to conduct new research programs in number of new CNS indications. Grant of Options to Conduct New Research Programs in Number of New Central Nervous System Indications Grant of options to conduct new research programs in number of new central nervous system indications William Chou William Chou [Member] EX-101.PRE 11 pasg-20240630_pre.xml EX-101.PRE XML 13 R1.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Document and Entity Information - shares 6 Months Ended Jun. 30, 2024 Aug. 05, 2024 Document and Entity Information Â Â Document Type 10-Q Â Document Quarterly Report true Â Document Period End Date Jun. 30, 2024 Â Document Transition Report false Â Entity File Number 001-39231 Â Entity Registrant Name Passage BIO, Inc. Â Entity Incorporation, State or Country Code DE Â Entity Tax Identification Number 82-2729751 Â Entity Address, Address Line One One Commerce Square Â Entity Address, Address Line Two 2005 Market Street, 39th Floor Â Entity Address, City or Town Philadelphia Â Entity Address, State or Province PA Â Entity Address, Postal Zip Code 19103 Â City Area Code 267 Â Local Phone Number 866-0311 Â Title of 12(b) Security Common Stock Â Trading Symbol PASG Â Security Exchange Name NASDAQ Â Entity Current Reporting Status Yes Â Entity Interactive Data Current Yes Â Entity Filer Category Non-accelerated Filer Â Entity Small Business true Â Entity Emerging Growth Company true Â Entity Ex Transition Period false Â Entity Shell Company false Â Entity Common Stock, Shares Outstanding Â 61,767,286 Entity Central Index Key 0001787297 Â Current Fiscal Year End Date --12-31 Â Document Fiscal Year Focus 2024 Â Document Fiscal Period Focus Q2 Â Amendment Flag false Â X - DefinitionBoolean flag that is true when the XBRL content amends previously-filed or accepted submission. + ReferencesNo definition available. + Details Name: dei_AmendmentFlag Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionArea code of city + ReferencesNo definition available. + Details Name: dei_CityAreaCode Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionCover page. + ReferencesNo definition available. + Details Name: dei_CoverAbstract Namespace Prefix: dei_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionEnd date of current fiscal year in the format --MM-DD. + ReferencesNo definition available. + Details Name: dei_CurrentFiscalYearEndDate Namespace Prefix: dei_ Data Type: xbrli:gMonthDayItemType Balance Type: na Period Type: duration X - DefinitionFiscal period values are FY, Q1, Q2, and Q3. 1st, 2nd and 3rd quarter 10-Q or 10-QT statements have value Q1, Q2, and Q3 respectively, with 10-K, 10-KT or other fiscal year statements having FY. + ReferencesNo definition available. + Details Name: dei_DocumentFiscalPeriodFocus Namespace Prefix: dei_ Data Type: dei:fiscalPeriodItemType Balance Type: na Period Type: duration X - DefinitionThis is focus fiscal year of the document report in YYYY format. For a 2006 annual report, which may also provide financial information from prior periods, fiscal 2006 should be given as the fiscal year focus. Example: 2006. + ReferencesNo definition available. + Details Name: dei_DocumentFiscalYearFocus Namespace Prefix: dei_ Data Type: xbrli:gYearItemType Balance Type: na Period Type: duration X - DefinitionFor the EDGAR submission types of Form 8-K: the date of the report, the date of the earliest event reported; for the EDGAR submission types of Form N-1A: the filing date; for all other submission types: the end of the reporting or transition period. The format of the date is YYYY-MM-DD. + ReferencesNo definition available. + Details Name: dei_DocumentPeriodEndDate Namespace Prefix: dei_ Data Type: xbrli:dateItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true only for a form used as an quarterly report. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 10-Q -Number 240 -Section 308 -Subsection a + Details Name: dei_DocumentQuarterlyReport Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true only for a form used as a transition report. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Forms 10-K, 10-Q, 20-F -Number 240 -Section 13 -Subsection a-1 + Details Name: dei_DocumentTransitionReport Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionThe type of document being provided (such as 10-K, 10-Q, 485BPOS, etc). The document type is limited to the same value as the supporting SEC submission type, or the word 'Other'. + ReferencesNo definition available. + Details

Name: dei_DocumentType Namespace Prefix: dei_ Data Type: dei:submissionTypeItemType Balance Type: na Period Type: duration X - DefinitionAddress Line 1 such as Attn, Building Name, Street Name + ReferencesNo definition available. + Details Name: dei_EntityAddressAddressLine1 Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionAddress Line 2 such as Street or Suite number + ReferencesNo definition available. + Details Name: dei_EntityAddressAddressLine2 Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionName of the City or Town + ReferencesNo definition available. + Details Name: dei_EntityAddressCityOrTown Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionCode for the postal or zip code + ReferencesNo definition available. + Details Name: dei_EntityAddressPostalZipCode Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionName of the state or province. + ReferencesNo definition available. + Details Name: dei_EntityAddressStateOrProvince Namespace Prefix: dei_ Data Type: dei:stateOrProvinceItemType Balance Type: na Period Type: duration X - DefinitionA unique 10-digit SEC-issued value to identify entities that have filed disclosures with the SEC. It is commonly abbreviated as CIK. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityCentralIndexKey Namespace Prefix: dei_ Data Type: dei:centralIndexKeyItemType Balance Type: na Period Type: duration X - DefinitionIndicate number of shares or other units outstanding of each of registrant's classes of capital or common stock or other ownership interests, if and as stated on cover of related periodic report. Where multiple classes or units exist define each class/interest by adding class of stock items such as Common Class A [Member], Common Class B [Member] or Partnership Interest [Member] onto the Instrument [Domain] of the Entity Listings, Instrument. + ReferencesNo definition available. + Details Name: dei_EntityCommonStockSharesOutstanding Namespace Prefix: dei_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionIndicate 'Yes' or 'No' whether registrants (1) have filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that registrants were required to file such reports), and (2) have been subject to such filing requirements for the past 90 days. This information should be based on the registrant's current or most recent filing containing the related disclosure. + ReferencesNo definition available. + Details Name: dei_EntityCurrentReportingStatus Namespace Prefix: dei_ Data Type: dei:yesNoItemType Balance Type: na Period Type: duration X - DefinitionIndicate if registrant meets the emerging growth company criteria. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityEmergingGrowthCompany Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionIndicate if an emerging growth company has elected not to use the extended transition period for complying with any new or revised financial accounting standards. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Securities Act -Number 7A -Section B -Subsection 2 + Details Name: dei_EntityExTransitionPeriod Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionCommission file number. The field allows up to 17 characters. The prefix may contain 1-3 digits, the sequence number may contain 1-8 digits, the optional suffix may contain 1-4 characters, and the fields are separated with a hyphen. + ReferencesNo definition available. + Details Name: dei_EntityFileNumber Namespace Prefix: dei_ Data Type: dei:fileNumberItemType Balance Type: na Period Type: duration X - DefinitionIndicate whether the registrant is one of the following: Large Accelerated Filer, Accelerated Filer, Non-accelerated Filer. Definitions of these categories are stated in Rule 12b-2 of the Exchange Act. This information should be based on the registrant's current or most recent filing containing the related disclosure. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityFilerCategory Namespace Prefix: dei_ Data Type: dei:filerCategoryItemType Balance Type: na Period Type: duration X - DefinitionTwo-character EDGAR code representing the state or country of incorporation. + ReferencesNo definition available. + Details Name: dei_EntityIncorporationStateCountryCode Namespace Prefix: dei_ Data Type: dei:edgarStateCountryItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true when the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-T -Number 232 -Section 405 + Details Name: dei_EntityInteractiveDataCurrent Namespace Prefix: dei_ Data Type: dei:yesNoItemType Balance Type: na Period Type: duration X - DefinitionThe exact name of the entity filing the report as specified in its charter, which is required by forms filed with the SEC. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityRegistrantName Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true when the registrant is a shell company as defined in Rule 12b-2 of the Exchange Act. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityShellCompany Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionIndicates that the company is a Smaller Reporting Company (SRC). + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntitySmallBusiness Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionThe Tax Identification Number (TIN), also known as an Employer Identification Number (EIN), is a unique 9-digit value assigned by the IRS. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityTaxIdentificationNumber Namespace Prefix: dei_ Data Type: dei:employerIdItemType Balance Type: na Period Type: duration X - DefinitionLocal phone number for entity. + ReferencesNo definition available. + Details Name: dei_LocalPhoneNumber Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionTitle of a 12(b) registered security. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b + Details Name: dei_Security12bTitle Namespace Prefix: dei_ Data Type: dei:securityTitleItemType Balance Type: na Period Type: duration X - DefinitionName of the Exchange on which a security is registered. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection d1-1 + Details Name: dei_SecurityExchangeName Namespace Prefix: dei_ Data Type: dei:edgarExchangeCodeItemType Balance Type: na Period Type: duration X - DefinitionTrading symbol of an instrument as listed on an exchange. + ReferencesNo definition available. + Details Name: dei_TradingSymbol Namespace Prefix: dei_ Data Type: dei:tradingSymbolItemType Balance Type: na Period Type: duration XML 14 R2.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Balance Sheets - USD ($) $ in Thousands Jun. 30, 2024 Dec. 31, 2023 Current assets: Â Â Cash and cash equivalents $ 24,770 $ 21,709 Marketable securities 67,003 92,585 Prepaid expenses and other current assets 1,397 923 Prepaid research and development 1,830 2,742 Total current assets 95,000 117,959 Property and equipment, net 13,054 15,295 Right of use assets - operating leases 16,822 16,858 Other assets 516 433 Total assets 125,392 150,545 Current liabilities: Â Â Accounts payable 621 1,298 Accrued expenses and other current liabilities 8,063 11,670 Operating lease liabilities 3,701 3,373 Total current liabilities 12,385 16,341 Operating lease liabilities - noncurrent 22,450 22,921 Total liabilities 34,835 39,262 Commitments and contingencies (note 9) Stockholders' equity: Â Â Preferred stock, $0.0001 par value: 10,000,000 shares authorized; no shares issued and outstanding at both June 30, 2024 and December 31, 2023 Common stock, $0.0001 par value: 300,000,000 shares authorized; 61,754,786 shares issued and outstanding at June 30, 2024 and 54,944,130 shares issued and outstanding at December 31, 2023 6 5 Additional paidin capital 717,788 705,789 Accumulated other comprehensive income (loss) (67) (43) Accumulated deficit (627,170) (594,468) Total stockholders' equity 90,557 111,283 Total liabilities and stockholders' equity $ 125,392 $ 150,545 X - DefinitionThe carrying balance as of the balance sheet of accrued expenses and other current liabilities. + ReferencesNo definition available. + Details Name: pasg_AccruedExpensesAndOtherCurrentLiabilities Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of asset related to consideration paid in advance for current portion of prepaid research and development expense that provides economic benefits within a future period of one year or the normal operating cycle, if longer. + ReferencesNo definition available. + Details Name: pasg_PrepaidResearchAndDevelopmentAssetCurrent Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionCarrying value as of the balance sheet date of liabilities incurred (and for which invoices have typically been received) and payable to vendors for goods and services received that are used in an entity's business. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10 + Details Name: us-gaap_AccountsPayableCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after tax, of accumulated increase (decrease) in equity from transaction and other event and circumstance from nonowner source. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 220 -SubTopic 10 -Section 45 -Paragraph 14A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-14AReference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-11Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (h)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(23)(a)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 220 -SubTopic 10 -Section 45 -Paragraph 14 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-14 + Details Name: us-gaap_AccumulatedOtherComprehensiveIncomeLossNetOfTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of excess of issue price over par or stated value of stock and from other transaction involving stock or stockholder. Includes, but is not limited to, additional paid-in capital (APIC) for common and preferred stock. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_AdditionalPaidInCapital Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of asset recognized for present right to economic benefit. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 5: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 12: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 13: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(12)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 18: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 19: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards

Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 30: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(11)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1 + Details Name: us-gaap_Assets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of asset recognized for present right to economic benefit, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 6: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 10: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 20: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7 + Details Name: us-gaap_AssetsCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_AssetsCurrentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481830/320-10-45-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479130/326-30-45-1 + Details Name: us-gaap_AvailableForSaleSecuritiesDebtSecuritiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4 + Details Name: us-gaap_CashAndCashEquivalentsAtCarryingValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionRepresents the caption on the face of the balance sheet to indicate that the entity has entered into (1) purchase or supply arrangements that will require expending a portion of its resources to meet the terms thereof, and (2) is exposed to potential losses or, less frequently, gains, arising from (a) possible claims against a company's resources due to future performance under contract terms, and (b) possible losses or likely gains from uncertainties that will ultimately be resolved when one or more future events that are deemed likely to occur do occur or fail to occur. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(15)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1 + Details Name: us-gaap_CommitmentsAndContingencies Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAggregate par or stated value of issued nonredeemable common stock (or common stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable common shares, par value and other disclosure concepts are in another section within stockholders' equity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1 + Details Name: us-gaap_CommonStockValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of liability recognized for present obligation requiring transfer or otherwise providing economic benefit to others. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(26)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef 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Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 15: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(14)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 18: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 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http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 27: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 28: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 29: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30 + Details Name: us-gaap_Liabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of liabilities and equity items, including the portion of equity attributable to noncontrolling interests, if any. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(32)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_LiabilitiesAndStockholdersEquity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionTotal obligations incurred as part of normal operations that are expected to be paid during the following twelve

months or within one business cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 8: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-5Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 20: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 21: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7 + Details Name: us-gaap_LiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_LiabilitiesCurrentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiabilityCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease, classified as noncurrent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiabilityNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's right to use underlying asset under operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseRightOfUseAsset Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of noncurrent assets classified as other. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_OtherAssetsNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAggregate par or stated value of issued nonredeemable preferred stock (or preferred stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable preferred shares, par value and other disclosure concepts are in another section within stockholders' equity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1 + Details Name: us-gaap_PreferredStockValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of asset related to consideration paid in advance for costs that provide economic benefits in future periods, and amount of other assets that are expected to be realized or consumed within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_PrepaidExpenseAndOtherAssetsCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount after accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business to produce goods and services and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -SubTopic 10 -Topic 360 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-7AReference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 360 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478451/942-360-50-1 + Details Name: us-gaap_PropertyPlantAndEquipmentNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of accumulated undistributed earnings (deficit). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)(a)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (h)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-11Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(23)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_RetainedEarningsAccumulatedDeficit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(31)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 12: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 13: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 14: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 4.E) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480418/310-10-S99-2 + Details Name: us-gaap_StockholdersEquity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_StockholdersEquityAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 15 R3.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Balance Sheets (Parenthetical) - $ / shares Jun. 30, 2024 Dec. 31, 2023 Balance Sheets Â Â Preferred stock, par value (in dollars per share) $ 0.0001 $ 0.0001 Preferred stock, shares authorized 10,000,000 10,000,000 Preferred stock, shares issued 0 0 Preferred stock, shares outstanding 0 0 Common stock, par value (in dollars per share) $ 0.0001 $ 0.0001 Common stock, shares authorized 300,000,000 300,000,000 Common stock, shares issued 61,754,786 54,944,130 Common stock, shares outstanding 61,754,786 54,944,130 X - DefinitionFace amount or stated value per share of common stock. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_CommonStockParOrStatedValuePerShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionThe maximum number of common shares permitted to be issued by an entity's charter and bylaws. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1 + Details Name: us-gaap_CommonStockSharesAuthorized Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionTotal number of common shares of an entity that have been sold or granted to shareholders (includes common shares that were issued, repurchased and remain in the treasury). These shares represent capital invested by the firm's shareholders and owners, and may be all or only a portion of the number of shares authorized. Shares issued include shares outstanding and shares held in the treasury. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_CommonStockSharesIssued Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionNumber of shares of common stock outstanding. Common stock represent the ownership interest in a corporation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards

Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 6: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3 + Details Name: us-gaap_CommonStockSharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionFace amount or stated value per share of preferred stock nonredeemable or redeemable solely at the option of the issuer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13 + Details Name: us-gaap_PreferredStockParOrStatedValuePerShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionThe maximum number of nonredeemable preferred shares (or preferred stock redeemable solely at the option of the issuer) permitted to be issued by an entity's charter and bylaws. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1 + Details Name: us-gaap_PreferredStockSharesAuthorized Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionNumber of shares issued for nonredeemable preferred shares and preferred shares redeemable solely at option of issuer. Includes, but is not limited to, preferred shares issued, repurchased, and held as treasury shares. Excludes preferred shares classified as debt. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13 + Details Name: us-gaap_PreferredStockSharesIssued Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionAggregate share number for all nonredeemable preferred stock (or preferred stock redeemable solely at the option of the issuer) held by stockholders. Does not include preferred shares that have been repurchased. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3 + Details Name: us-gaap_PreferredStockSharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_StatementOfFinancialPositionAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 16 R4.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Statements of Operations and Comprehensive Loss - USD ($) $ in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Operating expenses: Â Â Â Â Research and development $ 10,430 $ 17,324 $ 21,965 $ 34,160 General and administrative 6,510 8,064 13,025 27,111 Impairment of long-lived assets 438 Â 438 Â Loss from operations (17,378) (25,388) (35,428) (61,271) Other income (expense), net 1,387 1,532 2,726 3,077 Net loss $ (15,991) $ (23,856) $ (32,702) $ (58,194) Per share information: Â Â Â Â Net loss per share of common stock, basic $ (0.26) $ (0.44) $ (0.55) $ (1.06) Net loss per share of common stock, diluted $ (0.26) $ (0.44) $ (0.55) $ (1.06) Weighted average common shares outstanding, basic 61,682,475 54,683,817 58,989,007 54,651,488 Weighted average common shares outstanding, diluted 61,682,475 54,683,817 58,989,007 54,651,488 Comprehensive loss: Â Â Â Â Net loss $ (15,991) $ (23,856) $ (32,702) $ (58,194) Unrealized gain (loss) on marketable securities 2 87 (24) 626 Comprehensive loss $ (15,989) $ (23,769) $ (32,726) $ (57,568) X - DefinitionAmount of write-down of assets recognized in the income statement. Includes, but is not limited to, losses from tangible assets, intangible assets and goodwill. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 360 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-4 + Details Name: us-gaap_AssetImpairmentCharges Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount after tax of increase (decrease) in equity from transactions and other events and circumstances from net income and other comprehensive income, attributable to parent entity. Excludes changes in equity resulting from investments by owners and distributions to owners. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(26)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 220 -SubTopic 10 -Section 45 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-5 + Details Name: us-gaap_ComprehensiveIncomeNetOfTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_ComprehensiveIncomeNetOfTaxAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_EarningsPerShareAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe amount of net income (loss) for the period per each share of common stock or unit outstanding during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-52Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-15Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-7Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-10Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-7 + Details Name: us-gaap_EarningsPerShareBasic Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe amount of net income (loss) for the period available to each share of common stock or common unit outstanding during the reporting period and to each share or unit that would have been outstanding assuming the issuance of common shares or units for all dilutive potential common shares or units outstanding during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-52Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-15Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-7Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-7 + Details Name: us-gaap_EarningsPerShareDiluted Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe aggregate total of expenses of managing and administering the affairs of an entity, including affiliates of the reporting entity, which are not directly or indirectly associated with the manufacture, sale or creation of a product or product line. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1 + Details Name: us-gaap_GeneralAndAdministrativeExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -

Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-6Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI 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http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-10Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 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http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 34: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_OperatingExpensesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe net result for the period of deducting operating expenses from operating revenues. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 31 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-31 + Details Name: us-gaap_OperatingIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount, before tax and adjustment, of unrealized holding gain (loss) on investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale). Excludes unrealized gain (loss) on investment in debt security measured at amortized cost (held-to-maturity) from transfer to available-for-sale. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-9Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10A -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-10AReference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-11 + Details Name: us-gaap_OtherComprehensiveIncomeUnrealizedHoldingGainLossOnSecuritiesArisingDuringPeriodBeforeTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of income (expense) related to nonoperating activities, classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_OtherNonoperatingIncomeExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of expense for research and development. Excludes cost for computer software product to be sold, leased, or otherwise marketed, writeoff of research and development assets acquired in transaction other than business combination or joint venture formation or both, and write-down of intangible asset acquired in business combination or from joint venture formation or both, used in research and development activity. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 730 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482916/730-10-50-1 + Details Name: us-gaap_ResearchAndDevelopmentExpenseExcludingAcquiredInProcessCost Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe average number of shares or units issued and outstanding that are used in calculating diluted EPS or earnings per unit (EPU), determined based on the timing of issuance of shares or units in the period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 16 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-16 + Details Name: us-gaap_WeightedAverageNumberOfDilutedSharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNumber of [basic] shares or units, after adjustment for contingently issuable shares or units and other shares or units not deemed outstanding, determined by relating the portion of time within a reporting period that common shares or units have been outstanding to the total time in that period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-10 + Details Name: us-gaap_WeightedAverageNumberOfSharesOutstandingBasic Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration XML 17 R5.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Statements of Stockholders' Equity - USD ($) $ in Thousands Common stock Additional paid-in capital Accumulated other comprehensive income (loss) Accumulated deficit Total Balance at Beginning of period at Dec. 31, 2022 $ 5 $ 694,733 $ (966) $ (492,406) $ 201,366 Balance at Beginning of period (in shares) at Dec. 31, 2022 54,614,690 Â Â Â Â Â Stockholders' equity Â Â Â Â Â Exercise of stock options and vesting of restricted stock units (in shares) 30,750 Â Â Â Â Issuance of shares in connection with employee stock purchase plan Â 89 Â Â 89 Issuance of shares in connection with employee stock purchase plan (in shares) 100,240 Â Â Â Â Unrealized gain (loss) on marketable securities Â Â 626 Â 626 Share-based compensation expense Â 6,527 Â Â 6,527 Net loss Â Â Â (58,194) (58,194) Balance at end of period at Jun. 30, 2023 $ 5 701,349 (340) (550,600) 150,414 Balance at end of period (in shares) at Jun. 30, 2023 54,745,680 Â Â Â Â Â Balance at Beginning of period at Mar. 31, 2023 $ 5 697,517 (427) (526,744) 170,351 Balance at Beginning of period (in shares) at Mar. 31, 2023 54,626,690 Â Â Â Â Â Stockholders' equity Â Â Â Â Â Exercise of stock options and vesting of restricted stock units (in shares) 18,750 Â Â Â Â Issuance of shares in connection with employee stock purchase plan Â 89 Â Â 89 Issuance of shares in connection with employee stock purchase plan (in shares) 100,240 Â Â Â Â Unrealized gain (loss) on marketable securities Â Â 87 Â 87 Share-based compensation expense Â 3,743 Â Â 3,743 Net loss Â Â Â (23,856) (23,856) Balance at end of period at Jun. 30, 2023 $ 5 701,349 (340) (550,600) 150,414 Balance at end of period (in shares) at Jun. 30, 2023 54,745,680 Â Â Â Â Â Balance at Beginning of period at Dec. 31, 2023 $ 5 705,789 (43) (594,468) 111,283 Balance at Beginning of period (in shares) at Dec. 31, 2023 54,944,130 Â Â Â Â Â Balance at end of period at Mar. 31, 2024 $ 6 716,125 (69) (611,179) 104,883 Balance at end of period (in shares) at Mar. 31, 2024 61,611,796 Â Â Â Â Â Balance at Beginning of period at Dec. 31, 2023 $ 5 705,789 (43) (594,468) 111,283 Balance at Beginning of period (in shares) at Dec. 31, 2023 54,944,130 Â Â Â Â Â Stockholders' equity Â Â Â Â Â Issuance of common stock under the ATM Facility, net of offering costs $ 1 8,741 Â Â 8,742 Issuance of common stock under the ATM Facility, net of offering costs (in share) 6,000,000 Â Â Â Â Exercise of stock options and vesting of restricted stock units Â 35 Â Â 35 Exercise of stock options and vesting of restricted stock units (in shares) 712,091 Â Â Â Â Issuance of shares in connection with employee stock purchase plan Â 50 Â Â 50 Issuance of shares in connection with employee stock purchase plan (in shares) 98,565 Â Â Â Â Unrealized gain (loss) on marketable securities Â Â (24) Â (24) Share-based compensation expense Â 3,173 Â Â 3,173 Net loss Â Â Â (32,702) (32,702) Balance at end of period at Jun. 30, 2024 $ 6 717,788 (67) (627,170) 90,557 Balance at end of period (in shares) at Jun. 30, 2024 61,754,786 Â Â Â Â Â Balance at Beginning of period at Mar. 31, 2024 $ 6 716,125 (69) (611,179) 104,883 Balance at Beginning of period (in shares) at Mar. 31, 2024 61,611,796 Â Â Â Â Â Stockholders' equity Â Â Â Â Â Exercise of stock options and vesting of restricted stock units Â 35 Â Â 35 Exercise of stock options and vesting of restricted stock units (in shares) 44,425 Â Â Â Â Issuance of shares in connection with employee stock purchase plan Â 50 Â Â 50 Issuance of shares in connection with employee stock purchase plan (in shares) 98,565 Â Â Â Â Unrealized gain (loss) on marketable securities Â Â 2 Â 2 Share-based compensation expense Â 1,578 Â Â 1,578 Net loss Â Â Â (15,991) (15,991) Balance at end of period at Jun. 30, 2024 $ 6 $ 717,788 $ (67) $ (627,170) $ 90,557 Balance at end of period (in shares) at Jun. 30, 2024 61,754,786 Â Â Â Â Â X - DefinitionAmount of increase to additional paid-in capital (APIC) for recognition of cost for award under share-based payment arrangement. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 35 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480483/718-10-35-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 20 -Section 55 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481089/718-20-55-13Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 20 -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481089/718-20-55-12 + Details Name: us-gaap_AdjustmentsToAdditionalPaidInCapitalSharebasedCompensationRequisiteServicePeriodRecognitionValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionA roll forward is a reconciliation of a concept from the beginning of a period to the end of a period. + ReferencesNo definition available. + Details Name: us-gaap_IncreaseDecreaseInStockholdersEquityRollForward Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -

Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-6Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 17: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-10Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 34: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount, before tax and adjustment, of unrealized holding gain (loss) on investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale). Excludes unrealized gain (loss) on investment in debt security measured at amortized cost (held-to-maturity) from transfer to available-for-sale. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-9Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10A -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-10AReference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-11 + Details Name: us-gaap_OtherComprehensiveIncomeUnrealizedHoldingGainLossOnSecuritiesArisingDuringPeriodBeforeTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionNumber of shares issued which are neither cancelled nor held in the treasury. + ReferencesNo definition available. + Details Name: us-gaap_SharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionNumber of shares issued during the period as a result of an employee stock purchase plan. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockIssuedDuringPeriodSharesEmployeeStockPurchasePlans Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNumber of new stock issued during the period. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 505 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478448/946-505-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-03(i)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479886/946-10-S99-3Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockIssuedDuringPeriodSharesNewIssues Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNumber, after forfeiture, of shares or units issued under share-based payment arrangement. Excludes shares or units issued under employee stock ownership plan (ESOP). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockIssuedDuringPeriodSharesShareBasedCompensation Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionAggregate change in value for stock issued during the period as a result of employee stock purchase plan. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockIssuedDuringPeriodValueEmployeeStockPurchasePlan Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionEquity impact of the value of new stock issued during the period. Includes shares issued in an initial public offering or a secondary public offering. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-11Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 205 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478009/946-205-45-4Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 505 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478448/946-505-50-2Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockIssuedDuringPeriodValueNewIssues Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionValue, after forfeiture, of shares issued under share-based payment arrangement. Excludes employee stock ownership plan (ESOP). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 718 -SubTopic 10 -Section 50 -Paragraph 2 -Subparagraph (d)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_StockIssuedDuringPeriodValueShareBasedCompensation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(31)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(6)) -Publisher FASB -

URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 12: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 13: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 14: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 4.E) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480418/310-10-S99-2 + Details Name: us-gaap_StockholdersEquity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 18 R6.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Statements of Cash Flows - USD ($) $ in Thousands 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Cash flows used in operating activities: Â Â Net loss $ (32,702) $ (58,194) Adjustments to reconcile net loss to net cash provided by (used in) operating activities: Â Â Depreciation and amortization 1,603 1,956 Sharebased compensation 3,173 6,527 Amortization of premium and discount on marketable securities, net (741) (869) Loss on disposal of property and equipment Â 463 Impairment of long-lived assets 438 Â Changes in operating assets and liabilities: Â Â Prepaid expenses and other current assets, and other assets (357) 3,530 Prepaid research and development 912 5,593 Right of use assets and operating lease liabilities (107) (59) Accounts payable (677) (682) Accrued expenses and other current liabilities (3,607) 2,150 Net cash provided by (used in) operating activities (32,065) (39,585) Cash flows provided by (used in) investing activities: Â Â Purchases of marketable securities (50,825) (73,528) Sales or maturities of marketable securities 77,124 108,843 Purchases of property and equipment Â (129) Net cash provided by (used in) investing activities 26,299 35,186 Cash flows provided by (used in) financing activities: Â Â Proceeds from issuance of common stock under the ATM Facility, net of offering costs 8,742 Â Proceeds from the exercise of stock options 35 Â Proceeds from the issuance of common stock under employee stock purchase plan 50 89 Net cash provided by (used in) financing activities 8,827 89 Net increase (decrease) in cash and cash equivalents 3,061 (4,310) Cash and cash equivalents at beginning of period 21,709 34,601 Cash and cash equivalents at end of period 24,770 30,291 Supplemental disclosure of noncash investing and financing activities: Â Â Unrealized gain (loss) on marketable securities (24) $ 626 Right of use assets recognized upon the commencement of sublease (422) Â Operating lease liabilities recognized upon the commencement of sublease $ 422 Â X - DefinitionThe amount of increase (decrease) in prepaid research and development. + ReferencesNo definition available. + Details Name: pasg_IncreaseDecreaseInPrepaidResearchAndDevelopment Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe amount of increase (decrease) during the period in the carrying value of right of use assets and operating lease liabilities. + ReferencesNo definition available. + Details Name: pasg_IncreaseDecreaseInRightOfUseAssetsAndOperatingLeaseLiabilities Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe amount of lease liabilities recognized upon adoption of standard. + ReferencesNo definition available. + Details Name: pasg_OperatingLeaseLiabilityRecognizedUponAdoptionOfStandard Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_AdjustmentsToReconcileNetIncomeLossToCashProvidedByUsedInOperatingActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of noncash expense included in interest expense to amortize debt discount and premium associated with the related debt instruments. Excludes amortization of financing costs. Alternate captions include noncash interest expense. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-3 + Details Name: us-gaap_AmortizationOfDebtDiscountPremium Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of write-down of assets recognized in the income statement. Includes, but is not limited to, losses from tangible assets, intangible assets and goodwill. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 360 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-4 + Details Name: us-gaap_AssetImpairmentCharges Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage. Excludes amount for disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4 + Details Name: us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of increase (decrease) in cash, cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; including effect from exchange rate change. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 1 -SubTopic 230 -Topic 830 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477401/830-230-45-1 + Details Name: us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe aggregate expense recognized in the current period that allocates the cost of tangible assets, intangible assets, or depleting assets to periods that benefit from use of the assets. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22 + Details Name: us-gaap_DepreciationDepletionAndAmortization Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of gain (loss) on sale or disposal of property, plant and equipment assets, including oil and gas property and timber property. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_GainLossOnSaleOfPropertyPlantEquipment Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionChange in recurring obligations of a business that arise from the acquisition of merchandise, materials, supplies and services used in the production and sale of goods and services. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInAccountsPayableTrade Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of increase (decrease) in accrued expenses, and obligations classified as other. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInAccruedLiabilitiesAndOtherOperatingLiabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_IncreaseDecreaseInOperatingCapitalAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of increase (decrease) in prepaid expenses, and assets classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInPrepaidDeferredExpenseAndOtherAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of unrealized gain (loss) on investment in marketable security. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(7)(c)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_MarketableSecuritiesUnrealizedGainLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cash inflow (outflow) from financing activities, including discontinued operations. Financing activity cash flows include obtaining resources from owners and providing them with a return on, and a return of, their investment; borrowing money and repaying amounts borrowed, or settling the obligation; and obtaining and paying for other resources obtained from creditors on long-term credit. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24 + Details Name: us-gaap_NetCashProvidedByUsedInFinancingActivities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NetCashProvidedByUsedInFinancingActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of cash inflow (outflow) from investing activities, including discontinued operations. Investing activity cash flows include making and collecting loans and acquiring and disposing of debt or equity instruments and property, plant, and equipment and other productive assets. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24 + Details Name: us-gaap_NetCashProvidedByUsedInInvestingActivities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NetCashProvidedByUsedInInvestingActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of cash inflow (outflow) from operating activities, including discontinued operations. Operating activity cash flows include transactions, adjustments, and changes in value not defined as investing or financing activities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-25 + Details Name: us-gaap_NetCashProvidedByUsedInOperatingActivities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NetCashProvidedByUsedInOperatingActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-6Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50

-Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 17: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-10Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32: http://www.xbrl.org/2003/role/disclosureRef 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-Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe cash outflow for acquisition of machinery and equipment. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 13 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-13 + Details Name: us-gaap_PaymentsToAcquireMachineryAndEquipment Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cash outflow for purchase of marketable security. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481830/320-10-45-11 + Details Name: us-gaap_PaymentsToAcquireMarketableSecurities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe cash inflow from issuance of preferred stocks identified as being convertible into another form of financial instrument, typically the entity's common stock. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 14 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14 + Details Name: us-gaap_ProceedsFromIssuanceOfConvertiblePreferredStock Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe cash inflow associated with the aggregate amount received by the entity through sale or maturity of marketable securities (held-to-maturity or available-for-sale) during the period. + ReferencesNo definition available. + Details Name: us-gaap_ProceedsFromSaleAndMaturityOfMarketableSecurities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash inflow from exercise of option under share-based payment arrangement. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 14 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2A -Subparagraph (a) -SubTopic 10 -Topic 718 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2A + Details Name: us-gaap_ProceedsFromStockOptionsExercised Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe cash inflow associated with the amount received from the stock plan during the period. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 14 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14 + Details Name: us-gaap_ProceedsFromStockPlans Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of increase in right-of-use asset obtained in exchange for operating lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_RightOfUseAssetObtainedInExchangeForOperatingLeaseLiability Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of noncash expense for share-based payment arrangement. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_ShareBasedCompensation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_SupplementalCashFlowInformationAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 19 R7.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Nature of Operations 6 Months Ended Jun. 30, 2024 Nature of Operations Â Nature of Operations 1. Nature of OperationsPassage Bio, Inc., or the Company, a Delaware corporation incorporated in July 2017, is a clinical stage genetic medicines company on a mission to improve the lives of patients with neurodegenerative diseases. The Companyâ€™s primary focus is the development and advancement of cutting-edge, one-time therapies designed to target critical underlying pathology in these conditions. The Company has a strategic research collaboration with the Trustees of the University of Pennsylvaniaâ€™s, or Penn, Gene Therapy Program, or GTP.Through this collaboration, the Company has developed its lead clinical product candidate, PBFT02, for the treatment of frontotemporal dementia, or FTD, caused by progranulin deficiency, or FTD-GRN, which seeks to elevate progranulin levels to restore lysosomal function and slow disease progression. X - DefinitionThe entire disclosure for the nature of an entity's business, major products or services, principal markets including location, and the relative importance of its operations in each business and the basis for the determination, including but not limited to, assets, revenues, or earnings. For an entity that has not commenced principal operations, disclosures about the risks and uncertainties related to the activities in which the entity is currently engaged and an understanding of what those activities are being directed toward. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Topic 275 -Publisher FASB -URI https://asc.fasb.org/275/tableOfContentReference 2: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-1 + Details Name: us-gaap_NatureOfOperations Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_OrganizationConsolidationAndPresentationOfFinancialStatementsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 20 R8.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Risks and Liquidity 6 Months Ended Jun. 30, 2024 Risks and Liquidity Â Risks and Liquidity 2. Risks and LiquidityThe Company has incurred recurring losses and negative cash flows from operations since inception and had an accumulated deficit of $627.2 million as of JuneÂ 30,Â 2024. The Company anticipates incurring additional losses until such time, if ever, that it can generate significant sales of its product candidates currently in development. Substantial additional capital will be needed by the Company to fund its operations and to develop its product candidates.The Companyâ€™s operations have consisted primarily of conducting preclinical studies, developing licensed technology, conducting clinical trials, and the development and manufacturing of clinical supply to support clinical trials. The Company faces risks associated with early-stage biotechnology companies whose product candidates are in development. Product candidates currently under development will require significant additional research and development efforts and establishing manufacturing capacity and regulatory approval prior to commercialization. These efforts require significant amounts of additional capital for the Company to complete its research and development, achieve its research and development objectives, defend its intellectual property rights, and recruit and retain skilled personnel, and key members of management. Even if the Companyâ€™s product development efforts are successful, it is uncertain when, if ever, the Company will realize revenue from product sales.On March 5, 2021, the Company entered into a Sales Agreement, or the Sales Agreement, with Cowen and Company, LLC, or Cowen, relating to the applicable terms of at-the-market equity offerings, or the ATM Facility, pursuant to which the Company may, but is not obligated to, offer and sell, from time to time, shares of its common stock with an aggregate offering price up to $125.0 million through Cowen, as sales agent in the ATM Facility. The Company issued 6,000,000 shares of common stock under the ATM Facility, resulting in net proceeds of $8.7 million, after deducting offering costs of $0.3 million in March 2024. The Company is limited to $50 million in its capacity to offer and sell shares of its common stock under this sales agreement pursuant to its shelf registration statement on Form S-3, filed on March 4, 2024. As of June 30, 2024, $50 million of capacity remains available to be sold under the ATM Facility.The Company plans to seek additional funding through public or private equity offerings, debt financings, other collaborations, strategic alliances and licensing arrangements. The Company may not be able to obtain financing on acceptable terms, or at all, and the Company may not be able to enter into strategic alliances or other arrangements on favorable terms, or at all. The terms of any financing may adversely affect the holdings or the rights of the Companyâ€™s stockholders. If the Company is unable to obtain funding or prospects of funding are unfavorable, the Company could be required to further delay, reduce or eliminate research and development programs, product portfolio expansion or future commercialization efforts, which could adversely affect its business prospects.In accordance with Accounting Standards Update, or ASU, No. 2014-15, Disclosure of Uncertainties about an Entityâ€™s Ability to Continue as a Going Concern, the Company has evaluated whether there are certain conditions and events, considered in the aggregate, that raise substantial doubt about the Companyâ€™s ability to continue as a going concern within one year after the date that the financial statements are issued. As of the issuance date of these financial statements, the Company expects that its cash, cash equivalents and marketable debt securities will be sufficient to fund its forecasted operating expenses and capital expenditure requirements for at least the next 12 months from the issuance date of these financial statements. X - ReferencesNo definition available. + Details Name: pasg_RisksAndLiquidityAbstract Namespace Prefix: pasg_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure of information pertaining to risk and liquidity. + ReferencesNo definition available. + Details Name: pasg_RisksAndLiquidityTextBlock Namespace Prefix: pasg_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 21 R9.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Summary of Significant Accounting Policies 6 Months Ended Jun. 30, 2024 Summary of Significant Accounting Policies Â Summary of Significant Accounting Policies 3.Â Summary of Significant Accounting PoliciesThe Companyâ€™s complete summary of significant accounting policies can be found in â€œNote 3. Summary of Significant Accounting Policiesâ€ in the audited financial statements included in the Companyâ€™s Annual Report filed on Form 10-K for the year ended DecemberÂ 31,Â 2023.Basis of PresentationThe accompanying unaudited financial statements have been prepared in accordance with generally accepted accounting principles in the United States, or GAAP. Any reference in these notes to applicable guidance is meant to refer to GAAP as found in the Accounting Standards Codification, or ASC, and Accounting Standards Updates promulgated by the Financial Accounting Standards Board, or FASB.Interim Financial StatementsThe accompanying unaudited interim financial statements have been prepared from the books and records of the Company in accordance with GAAP for interim financial information and RuleÂ 10-01 of RegulationÂ S-X promulgated by the SEC, which permits reduced disclosures for interim periods. All adjustments, consisting only of normal recurring adjustments, necessary for a fair presentation of the accompanying balance sheets, statements of operations and comprehensive loss, stockholdersâ€™ equity, and cash flows have been made. Although these interim financial statements do not include all of the information and footnotes required for complete annual financial statements, management believes the disclosures are adequate to make the information presented not misleading. Unaudited interim results of operations and cash flows are not necessarily indicative of the results that may be expected for the fullÂ year. Unaudited interim financial statements and footnotes should be read in conjunction with the audited financial statements and footnotes included in the Companyâ€™s 2023 Annual Report filed on Form 10-K.Use of EstimatesThe preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and contingent liabilities at the date of the financial statements and the reported amounts of expenses during the reporting period. Actual results could differ from those estimates.Estimates and assumptions are periodically reviewed, and the effects of the revisions are reflected in the accompanying financial statements in the period they are determined to be necessary. Fair Value of Financial InstrumentsManagement believes that the carrying amounts of the Companyâ€™s financial instruments, including cash equivalents, prepaid expenses, and accounts payable, approximate fair value due to the short-term nature of those instruments. Concentration of Credit RiskFinancial instruments that potentially subject the Company to significant concentrations of credit risk consist primarily of cash, cash equivalents, and marketable securities. The Company maintains a deposit account in a federally insured financial institution in excess of federally insured limits. The Company also maintains a money market account in a federally insured financial institution in excess of federally insured limits. The Company has not experienced any losses in such accounts and believes it is not exposed to significant risk on its cash and cash equivalents beyond the normal credit risk associated with commercial banking relationships.The Company maintains a portfolio of marketable debt securities, which is diversified to limit exposure related to counterparty risk, industry risk, and security type risk. The Company maintains an investment policy which dictates the allocation of funds within its portfolio of marketable debt securities. The Company has not experienced any material losses in such portfolio.Segment InformationOperating segments are defined as components of an enterprise about which separate discrete information is available for evaluation by the chief operating decision maker, or decision-making group, in deciding how to allocate resources and in assessing performance. The Company views its operations and manages its business in one segment.Cash and Cash EquivalentsThe Company considers all highly-liquid investments that have maturities of three months or less when acquired to be cash equivalents. Cash equivalents as of JuneÂ 30,Â 2024 consisted of various securities as described in Note 4.

Cash consists of cash deposits at banking institutions.Marketable SecuritiesThe Company classifies its marketable securities with original maturities of greater than three months as available-for-sale. Marketable securities as of June 30, 2024, consisted of various securities as described in Note 4. These securities are carried at fair market value, with unrealized gains and losses reported in comprehensive loss and accumulated other comprehensive income (loss) within stockholdersâ€™ equity. Any premium or discount arising at purchase of debt securities is amortized and/or accreted over the term of the security to other income (expense), net. Gains or losses on marketable securities sold are recognized as a component of other income (expense), net in the statement of operations and comprehensive loss on the specific identification method. All marketable securities are available for use, as needed, to fund operations and therefore, the Company classifies all marketable securities as current assets within the balance sheet.Property and Equipment, NetProperty and equipment, net consists of laboratory equipment, office equipment, computer hardware and software, furniture and fixtures, and leasehold improvements and are recorded at cost. Maintenance and repairs that do not improve or extend the lives of the respective assets are expensed as incurred. Property and equipment are depreciated on a straight-line basis over their estimated useful lives. The Company estimates useful life on an asset-by-asset basis, which generally consists of three years for computer hardware and software, five years for office equipment, five years for laboratory equipment, and seven years for furniture and fixtures. Leasehold improvements are amortized over the shorter of the lease term or the estimated useful life of the asset.When property and equipment are retired or otherwise disposed of, the costs and accumulated depreciation are removed from the respective accounts, with any resulting gain or loss recognized concurrently. The Company did not recognize any losses on disposals of property and equipment for the three and six months ended JuneÂ 30,Â 2024. The Company recognized losses on disposals of property and equipment of $0.5 million within research and development expenses for the three and six months ended JuneÂ 30,Â 2023.The Company reviews long-lived assets, such as property and equipment, for impairment when events or changes in circumstances indicate the carrying amount of the assets may not be recoverable. The Company recognized impairment of property and equipment, of $0.4 million for the three and six months ended JuneÂ 30,Â 2024. The Company did not recognize any impairment expenses for property and equipment for the three and six months ended JuneÂ 30,Â 2023.LeasingThe Company evaluates leases at their inception to determine if they are an operating lease or a finance lease. As of JuneÂ 30,Â 2024, the Company has classified all leases with terms greater than one year, as operating leases. The Company recognizes assets and liabilities for operating leases at their inception, based on the present value of all payments due under the lease agreement. The Company uses its incremental borrowing rate to determine the present value of operating leases, which is determined by referencing collateralized borrowing rates for debt instruments with terms similar to the respective lease. The Company utilizes the accounting policy election to not separate lease and non-lease components and the accounting policy election to not apply the recognition requirement to leases with a term of 12 months or less.The Company reviews long-lived assets, such as right of use assets, or ROU assets, for impairment when events or changes indicate the carrying amount of the ROU assets may not be recoverable. The Company did not recognize any impairment expenses for ROU assets for the three and six months ended JuneÂ 30,Â 2024 and 2023.Share-Based CompensationThe Company measures share-based awards at grant-date fair value and records compensation expense on a straight-line basis over the vesting period of the awards. The Companyâ€™s share-based compensation consists of restricted stock units, or RSUs, and options to purchase common stock, or stock option awards.The Company uses the Black-Scholes option pricing model to value its stock option awards.Estimating the fair value of stock option awards requires the input of assumptions, including, the expected term of stock options, and stock price volatility. The assumptions used in estimating the fair value of share-based awards represent managementâ€™s estimate and involve inherent uncertainties and the application of managementâ€™s judgment. As a result, if factors change and management uses different assumptions, share-based compensation expense could be materially different for future awards. The expected term of the stock options is estimated using the â€œsimplified method,â€ as the Company has limited historical information from which to develop reasonable expectations about future exercise patterns and post-vesting employment termination behavior for its stock option grants. The simplified method is the midpoint between the vesting period and the contractual term of the option. For stock price volatility, the Company uses a composite of comparable public company data as a basis for its expected volatility to calculate the fair value of option grants. The selection of comparable public company data requires the application of managementâ€™s judgement.The Company accounts for forfeitures of RSUs and stock option awards as they occur.Research and DevelopmentResearch and development costs are expensed as incurred and consist primarily of expenses incurred with GTP, contract research organizations, contract manufacturing organizations, internal analytical and testing activities, and employee-related expenses, including salaries, benefits, and share-based compensation. Management makes estimates of the Companyâ€™s external accrued research and development expenses, which primarily relates to contract research organizations and contract manufacturing organizations, as of each balance sheet date in the Companyâ€™s financial statements based on an estimate of progress to completion of specific tasks using facts and circumstances known to the Company at that time. The Company determines the estimates by reviewing contracts, vendor agreements, change orders, and through discussions with the Companyâ€™s internal clinical personnel and external service providers as to the progress to completion of services and the agreed-upon fee to be paid for such services. If the actual timing of the performance of services or the level of effort varies from the estimate, the Company will adjust the accrual and related expenses accordingly. Other Income (Expense), NetOther income (expense), net consists of interest earned on cash equivalents and marketable securities, amortization of premium and discount on marketable securities, and income from subleases. Additionally, in the six months ended JuneÂ 30,Â 2023, the Company recognized other income related to the sale of certain tax credits.The Company recorded $1.4 million to other income (expense), net for the three months ended JuneÂ 30,Â 2024, which consisted of $1.2 million attributable to interest income and the amortization of premium and discount on the Companyâ€™s marketable securities, and $0.2 million related to income from subleases. The Company recorded $1.5 million to other income (expense), net for the three months ended JuneÂ 30,Â 2023, which consisted of $1.5 million attributable to interest income and the amortization of premium and discount on the Companyâ€™s marketable securities.The Company recorded $2.7 million to other income (expense), net for the six months ended JuneÂ 30,Â 2024, which consisted of $2.4 million attributable to interest income and the amortization of premium and discount on the Companyâ€™s marketable securities, and $0.3 million related to income from subleases. The Company recorded $3.1 million to other income (expense), net for the six months ended JuneÂ 30,Â 2023, which consisted of $2.6 million attributable to interest income and the amortization of premium and discount on the Companyâ€™s marketable securities, and $0.5 million related to the sale of certain tax credits.Net Loss Per ShareBasic net loss per share of common stock is computed by dividing net loss by the weighted average number of shares of common stock outstanding during each period. Diluted loss per share of common stock includes the effect, if any, from the potential exercise or conversion of securities, such as stock options, which would result in the issuance of incremental shares of common stock. For diluted net loss per share, the weighted-average number of shares of common stock is the same for basic net loss per share due to the fact that when a net loss exists, dilutive securities are not included in the calculation as the impact is anti-dilutive.The following potentially dilutive securities have been excluded from the computation of diluted weighted-average shares of common stock outstanding, as they would be anti-dilutive:â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹Six Months Ended JuneÂ 30,Â â€‹â€‹2024Â Â Â Â 2023Stock optionsâ€‹ 12,448,302Â 13,552,008Unvested restricted stock unitsâ€‹ 352,667â€‹ 1,159,916Employee stock purchase planâ€‹ 36,789â€‹ 34,523â€‹â€‹ 12,837,758Â 14,746,447â€‹Recently Adopted Accounting PronouncementsIn November 2023, the FASB issued ASU No. 2023-07, Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures, or ASU 2023-07, which expands segment disclosures by requiring disclosure of significant segment expenses that are regularly provided to the chief operating decision maker and included within each reported measure of segment profit or loss, an amount and description of its composition for other segment items, and interim disclosures of a reportable segmentâ€™s profit or loss and assets. The disclosures required under ASU 2023-07 are also required for public entities with a single reportable segment. ASU 2023-07 is effective for the Companyâ€™s first fiscal year beginning after December 15, 2023 and for interim periods within the Companyâ€™s first fiscal year beginning after December 15, 2024, with early adoption permitted. The Company does not expect the adoption of ASU 2023-07 to have a material impact on its financial statements or disclosures. In December 2023, the FASB issued ASU No. 2023-09, Income Taxes (Topic 740): Improvements to Income Tax Disclosures, or ASU 2023-09, which requires that an entity, on an annual basis, disclose additional income tax information, primarily related to the rate reconciliation and income taxes paid. The amendments in ASU 2023-09 are intended to enhance the transparency and decision usefulness of income tax disclosures. The amendments in this ASU are effective for annual periods beginning after December 15, 2024 with early adoption permitted. The Company is currently evaluating the impact of this guidance on disclosures. X - ReferencesNo definition available. + Details Name: us-gaap_AccountingPoliciesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for all significant accounting policies of the reporting entity. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483426/235-10-50-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 235 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/235/tableOfContent + Details Name: us-gaap_SignificantAccountingPoliciesTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 22 R10.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Cash, Cash Equivalents and Marketable Securities 6 Months Ended Jun. 30, 2024 Cash, Cash Equivalents and Marketable Securities Â Cash, Cash Equivalents and Marketable Securities 4.Â Cash, Cash Equivalents and Marketable SecuritiesThe following table provides details regarding the Companyâ€™s portfolio of cash and cash equivalents:â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹

http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 100 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-100Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-6AReference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2E -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2EReference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6A -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-6AReference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6A -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-6AReference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6A -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-6AReference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6A -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-6AReference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 940 -SubTopic 820 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478119/940-820-50-1 + Details Name: us-gaap_FairValueDisclosuresTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 24 R12.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Property and Equipment, Net 6 Months Ended Jun. 30, 2024 Property and Equipment, Net Â Property and Equipment, Net â€‹â€‹6. Property and Equipment, Netâ€‹Property and equipment, net, consists of the following:â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹(in thousands)â€‹JuneÂ 30,Â 2024â€‹DecemberÂ 31,Â 2023Laboratory equipment$ 10,065â€‹$ 10,065Office equipmentâ€‹ 119â€‹â€‹ 119Computer hardware and softwareâ€‹ 1,077â€‹â€‹ 1,077Furniture and fixturesâ€‹ 419â€‹â€‹ 419Leasehold improvementsâ€‹ 10,212â€‹â€‹ 10,213Construction in progressâ€‹ -â€‹â€‹ 638Total property and equipmentâ€‹ 21,892â€‹â€‹ 22,531Accumulated depreciation and amortizationâ€‹ (8,838)â€‹â€‹ (7,236)â€‹$ 13,054â€‹$ 15,295â€‹â€‹â€‹â€‹Depreciation expense was $0.8 million and $1.0 million for the three months ended JuneÂ 30,Â 2024 and 2023, respectively.â€‹Depreciation expense was $1.6 million and $2.0 million for the six months ended JuneÂ 30,Â 2024 and 2023, respectively. X - ReferencesNo definition available. + Details Name: us-gaap_PropertyPlantAndEquipmentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for long-lived, physical asset used in normal conduct of business and not intended for resale. Includes, but is not limited to, work of art, historical treasure, and similar asset classified as collections. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/360/tableOfContentReference 2: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 6 -SubTopic 360 -Topic 958 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477798/958-360-50-6Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -SubTopic 360 -Topic 958 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477798/958-360-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 7 -SubTopic 360 -Topic 958 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477798/958-360-50-7 + Details Name: us-gaap_PropertyPlantAndEquipmentDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 25 R13.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Accrued Expenses and Other Current Liabilities 6 Months Ended Jun. 30, 2024 Accrued Expenses and Other Current Liabilities Â Accrued Expenses and Other Current Liabilities 7.Â Accrued Expenses and Other Current LiabilitiesAccrued expenses and other current liabilities consisted of the following:â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹(in thousands)Â Â Â Â JuneÂ 30,Â 2024Â Â Â Â DecemberÂ 31,Â 2023Professional feesâ€‹$ 595â€‹$ 1,176Compensation and related benefitsâ€‹Â 3,608â€‹Â 6,636Research and developmentâ€‹Â 1,360â€‹Â 1,858Amount due to Penn for discovery researchâ€‹â€‹ 2,500â€‹â€‹ â€”Amount due to Catalent in connection with Amended Catalent Agreementsâ€‹Â â€”â€‹Â 2,000â€‹â€‹ 8,063â€‹$ 11,670â€‹ X - DefinitionThe entire disclosure of information pertaining to accrued expenses and other current liabilities. + ReferencesNo definition available. + Details Name: pasg_AccruedExpensesAndOtherCurrentLiabilitiesDisclosureTextBlock Namespace Prefix: pasg_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_AccruedLiabilitiesAndOtherLiabilitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 26 R14.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Leases 6 Months Ended Jun. 30, 2024 Leases Â Leases 8. Leasesâ€‹2005 Market Street Lease Agreementâ€‹The Company is party to a lease agreement for office space, or the 2005 Market Street Lease Agreement, in Philadelphia, Pennsylvania. Under the 2005 Market Street Lease Agreement, the Company leased approximately 37,000 square feet. The 2005 Market Street Lease Agreement commenced in February 2021 and is expected to expire in December 2031. The Company has an option to extend the term of the 2005 Market Street Lease Agreement by two additional terms of five years each. The Company has an option to early terminate the 2005 Market Street Lease Agreement as of April 2029, given notice is provided to the landlord no less than fifteen months prior to April 2029. The optional extension and termination terms were not recognized as part of the Companyâ€™s measurement of the ROU asset and operating lease liability as of JuneÂ 30,Â 2024. During 2023 the Company subleased all of the space at 2005 Market Street as further described in Sublease Agreement A and Sublease Agreement B below.â€‹â€‹Sublease Agreement Aâ€‹On August 7, 2023, the Company entered into a sublease agreement with a counterparty, or Sublessee A, to sublease approximately 8,000 square feet of the 2005 Market Street Lease Agreement, or Sublease Agreement A. This sublease term began on November 1, 2023, and continues through March 31, 2029. In the event the Company does not elect its early termination option under the 2005 Market Street Lease Agreement, Sublessee A has an option to extend the sublease agreement through November 30, 2031. The base sublease rent is $0.1 million per year and increases by 2.75% annually through the expiration of the agreement. Additionally, Sublessee A is required to pay the portion of the common area maintenance expenses, operating expenses and use and occupancy taxes which the Company is required to pay under the 2005 Market Street Lease Agreement.â€‹Pursuant to ASC Topic 842, Leases, or ASC 842, the Company concluded the sublease is a separate lease, as the Company was not relieved of the primary obligation under the 2005 Market Street Lease Agreement. The Company continues to account for the 2005 Market Street Lease Agreement as a lessee and in the same manner as prior to the execution of Sublease Agreement A. The Company accounted for Sublease Agreement A as the lessor, and concluded the lease qualified as an operating lease, as it did not meet the criteria of a sales-type or direct financing lease.â€‹As a result of Sublease Agreement A, in 2023 the Company determined an impairment indicator was present. The Company compared the estimated undiscounted cash flows to the carrying value of the asset group, which includes ROU assets, leasehold improvements, and other property and equipment allocable to Sublease Agreement A. The Company concluded the carrying value of the asset group was not recoverable as it exceeded the estimated undiscounted cash flows. The Company calculated the amount of impairment using a discounted cash flow model to calculate the fair value of the asset group which incorporated the net identifiable cash flows for the term of Sublease Agreement A, including an estimate for cash flows in the residual period, and an estimated borrowing rate of a market participant subtenant. The impairment charge was recorded as of the lease execution date.â€‹Sublease Agreement Bâ€‹On September 29, 2023, the Company entered into a sublease agreement with a counterparty, or Sublessee B, to sublease approximately 29,000 square feet of the 2005 Market Street Lease Agreement, or Sublease Agreement B. This sublease term began on March 1, 2024, and continues through August 2026. Sublessee B has an option to extend the term of the sublease agreement through March 31, 2029. The base sublease rent is $0.9 million per year for the entire term of the sublease. Additionally, Sublessee B is required to pay applicable use and occupancy taxes but is not obligated to make payments for operating expenses and common area maintenance expenses which the Company is required to pay under the 2005 Market Street Lease Agreement.â€‹Pursuant to ASC 842, the Company concluded the sublease is a separate lease, as the Company was not relieved of the primary obligation under the 2005 Market Street Lease Agreement. The Company continues to account for the 2005 Market Street Lease Agreement as a lessee and in the same manner as prior to the execution of the Sublease Agreement B. The Company accounted for Sublease Agreement B as the lessor, and concluded the lease qualified as an operating lease, as it did not meet the criteria of a sales-type or direct financing lease.â€‹As a result of Sublease Agreement B, in 2023 the Company determined an impairment indicator was present. The Company compared the estimated undiscounted cash flows to the carrying value of the asset group, which includes ROU assets, leasehold improvements, and other property and equipment allocable to Sublease Agreement B. The Company concluded the carrying value of the asset group was not recoverable as it exceeded the estimated undiscounted cash flows. The Company calculated the amount of impairment using a discounted cash flow model to calculate the fair value of the asset group which incorporated the net identifiable cash flows for the term of Sublease Agreement B, including an estimate for cash flows in the residual period, and an estimated borrowing rate of a market participant subtenant. The impairment charge was recorded as of the lease execution date.â€‹1835 Market Street Sublease Agreementâ€‹On February 20, 2024, the Company entered into a sublease agreement with a counterparty, or the 1835 Market Street Sublease Agreement. Under the 1835 Market Street Sublease Agreement, the Company subleased approximately 16,000 square feet of office space in Philadelphia, Pennsylvania. The sublease term began on March 26, 2024 and expires on September 30, 2025. The Company has the option to extend the term of the sublease agreement through February 28, 2029. The base sublease rent is $0.3 million per year for the original 18-month term of the sublease. Additionally, the Company is required to pay utility costs associated with the subleased premises. The optional extension was not recognized as part of the Companyâ€™s measurement of the ROU asset and operating lease liability as of JuneÂ 30,Â 2024.â€‹Laboratory Lease Agreementâ€‹The Company is also party to a lease agreement for laboratory space, or the Laboratory Lease Agreement, in Hopewell, New Jersey. The laboratory is focused on state-of-the-art analytical capabilities, assay development and validation, and clinical product testing to support both viral vector manufacturing and clinical development. The Laboratory Lease Agreement commenced in March 2021 and is expected to expire in March 2036. The Company has an option to extend the term of the Laboratory Lease Agreement by up to two five-year terms. This option to extend was not recognized as part of the Company's measurement of the ROU asset and operating lease liability as of JuneÂ 30,Â 2024. â€‹The following table summarizes future minimum lease payments for the Companyâ€™s lessee operating leases, which comprises the 2005 Market Street Lease Agreement, 1835 Market Street Sublease Agreement, and the Laboratory Lease Agreement. The below table does not include expected cash inflows related to Sublease Agreement A and Sublease Agreement B, as the Company was not relieved of its primarily obligation under the 2005 Market Street Lease Agreement:â€‹â€‹â€‹â€‹â€‹â€‹(in thousands)â€‹Â Â Â Â Â Â Â Â 2024â€‹$ 1,9372025â€‹Â 3,8832026â€‹Â 3,7572027â€‹Â 3,8632028â€‹Â 3,973Thereafterâ€‹Â 25,706Total undiscounted lease paymentsâ€‹â€‹ 43,119Less: imputed interestâ€‹â€‹ (16,968)Total lease liabilitiesâ€‹$ 26,151â€‹â€‹The following table summarizes lease expense by lease type that was recognized during the three and six months ended JuneÂ 30,Â 2024 and 2023:â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹Three Months Ended â€‹Six Months Ended ($ in thousands)â€‹JuneÂ 30,Â 2024â€‹JuneÂ 30,Â 2023â€‹JuneÂ 30,Â 2024â€‹JuneÂ 30,Â 2023Operating lease costâ€‹$ 909â€‹$ 830â€‹$ 1,740â€‹$ 1,661Variable lease costâ€‹â€‹ 394â€‹â€‹ 448â€‹â€‹ 1,114â€‹â€‹ 926â€‹â€‹$ 1,303â€‹$ 1,278â€‹$ 2,854â€‹$ 2,587â€‹â€‹The following table shows the weighted average discount rate and weighted average remaining lease term of the operating leases:â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹Six Months Ended â€‹Six Months Ended ($ in thousands)â€‹JuneÂ 30,Â 2024â€‹JuneÂ 30,Â 2023Weighted-average discount rateâ€‹â€‹9.7%â€‹â€‹9.7%Weighted-average remaining lease term (years)â€‹â€‹10.7â€‹â€‹11.7â€‹The cash paid for amounts included in the measurement of our operating lease liabilities for the six months ended JuneÂ 30,Â 2024 and 2023 were $1.8 million and $1.7 million, respectively, recorded in operating cash flows.â€‹The following table summarizes sublease income that was recognized in other income (expense), net during the three and six months ended JuneÂ 30,Â 2024 and 2023:â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹Three Months Ended â€‹Six Months Ended ($ in thousands)â€‹JuneÂ 30,Â 2024â€‹JuneÂ 30,Â 2023â€‹JuneÂ 30,Â 2024â€‹JuneÂ 30,Â 2023Sublease rental incomeâ€‹$ 243â€‹$ â€”â€‹$ 300â€‹$ â€”â€‹â€‹$ 243â€‹$ â€”â€‹$ 300â€‹$ â€”â€‹ X - ReferencesNo definition available. + Details Name: us-gaap_LeasesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for operating leases of lessee. Includes, but is not limited to, description of operating lease and maturity analysis of operating lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/842-20/tableOfContent + Details Name: us-gaap_LesseeOperatingLeasesTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 27 R15.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Commitments and Contingencies 6 Months Ended Jun. 30, 2024 Commitments and Contingencies. Â Commitments and Contingencies 9.Â Commitments and ContingenciesAmended and Restated Research, Collaboration and License Arrangement with PennThe Company has a research, collaboration and licensing agreement with Penn, as amended, or the Penn Agreement, for research and development collaborations and exclusive license rights to patents for certain products and technologies. Under the Penn Agreement, the Company has the option to obtain exclusive licenses to, and to fund, certain research relating to the preclinical development of selected products in research programs in rare monogenic central nervous system, or CNS indications. The Company has eight remaining options available to commence additional licensed programs for CNS indications until August 3, 2026. The Penn Agreement includes an exploratory research program to identify targets and early product candidates in certain agreed upon non-monogenic, non-rare, or large, CNS indications. The initial term of the exploratory research program is three years, or until August 2024, which term can be extended by mutual agreement. During such term, the Company will have an exclusive right of first negotiation to include additional targets to the exploratory research program in the agreed upon large CNS indications. Under the exploratory research program, the Company will have the right to further develop and commercialize any gene therapy product candidates specific for those selected targets that arise from the exploratory research programs by exercising one of its remaining eight options. The Company currently does not have any active exploratory research programs.If the Company were to exercise any of the remaining options, it would owe Penn a non-refundable aggregate fee of $1.0 million per product indication, with $0.5 million due upfront and another $0.5 million fee owed upon a further developmental milestone. The Company also funds discovery research conducted by Penn through August 3, 2026 and will receive exclusive rights, subject to certain limitations, to platform technologies resulting from the discovery research for the Companyâ€™s products developed with GTP, such as novel capsids, toxicity reduction technologies and delivery and formulation improvements. This funding commitment for the discovery research is $5.0 million annually, due in quarterly increments of $1.3 million through June 2026. The Penn Agreement requires that the Company make payments of up to (i) $16.5 million per product candidate for rare, monogenic disorders in the aggregate and (ii) $39.0 million per product candidate in the aggregate arising from the exploratory program for large CNS indications. Each payment will be due upon the achievement of specific development milestone events by such licensed product for a first indication, reduced development milestone payments for the second and third indications and no development milestone payments for subsequent indications. In addition, on a product-by-product basis, the Company is obligated to make up to $55.0 million in sales milestone payments on each licensed product based on annual worldwide net sales of the licensed product in excess of defined thresholds. Upon successful commercialization of a product using the licensed technology, the Company is obligated to pay to Penn, on a licensed product-by-licensed product and country-by-country basis, tiered royalties (subject to customary reductions) in the mid-single digits on annual worldwide net sales of such licensed product. In addition, the Company is obligated to pay to Penn a percentage of sublicensing income, ranging from the mid-single digits to low double digits, for sublicenses under the Penn Agreement. The agreement will expire on a licensed product-by-licensed product and country-by-country basis upon the later of (i) the expiration of the last valid claim of the licensed patent rights that covers the exploitation of such licensed product in such country, and (ii) the expiration of the royalty period. In addition, the Company will pay a tiered transaction fee of 1-2% of the net proceeds upon certain change of control events.See Note 11 for amendments to the Penn Agreement subsequent to the date of these financial statements.Catalent Agreements In June 2019, the Company entered into a collaboration agreement, or the Collaboration Agreement, with Catalent Maryland, a unit of Catalent, Inc., or Catalent. As part of the Collaboration Agreement, the Company was required to pay an annual fee for five years ending in 2025 for the exclusive use of a dedicated clean room suite, or the Clean Room Suite.In April 2020, the Company entered into a development services and clinical supply agreement, or the Manufacturing and Supply Agreement, with Catalent to secure clinical scale manufacturing capacity for batches of active pharmaceutical ingredients for the Companyâ€™s gene therapy product candidates. Under the terms of the Manufacturing and Supply Agreement, Catalent agreed to manufacture batches of drug product for the Companyâ€™s gene therapy product

candidates at the Clean Room Suite at a Catalent facility provided for in the Collaboration Agreement. The Manufacturing and Supply Agreement provided for a term of five years. The Manufacturing and Supply Agreement also included minimum annual purchase commitments.Under both the Collaboration Agreement and the Manufacturing and Supply Agreement, the Company had an annual minimum commitment of $10.6 million per year owed to Catalent for five years from November 2020 subject to certain inflationary adjustments. On March 31, 2023, the Company entered into certain letter agreements, the Letter Agreements, amending each of (i) the Collaboration Agreement and (ii) the Manufacturing and Supply Agreement, together with the Collaboration Agreement, the Original Catalent Agreements. On November 9, 2023, to supersede and implement the terms of the Letter Agreements, the Company entered into an amended and restated collaboration agreement and an amended and restated manufacturing and supply agreement, together the Amended Catalent Agreements.The Amended Catalent Agreements eliminate the minimum annual purchase obligation and the obligation to pay an annual fee for use of the Clean Room Suite, thereby eliminating the annual minimum commitment of $10.6 million per year owed to Catalent through November 2025 under the Original Catalent Agreements. In consideration of this, the Company had an obligation to make aggregate payments to Catalent of $6.0 million between June 30, 2023 and May 1, 2024. As of JuneÂ 30,Â 2024, the Company has made all payments related to this obligation under the Amended Catalent Agreements.The Amended Catalent Agreements extend the term of the Original Catalent Agreements until November 6, 2030, and establish a limited exclusive relationship between the Company and Catalent for the manufacture of bulk drug substance and drug product for the Companyâ€™s adeno-associated virus delivery therapeutic product candidates for the treatment of frontotemporal dementia, or FTD, and GM1 gangliosidosis, or GM1. The limited exclusive relationship under the Amended Catalent Agreements converts to a non-exclusive relationship (i) in the event Catalent fails to meet certain performance standards and (ii) following certain conditional events related to the divestiture by the Company of either FTD or GM1, in which case, if such events occur, the Company would pay Catalent certain fees, which fees are immaterial for GM1. In addition, in the event of certain transactions, the Company may terminate the Amended Catalent Agreements for convenience with respect to such products, in which case, the Company would pay to Catalent a certain termination fee, which fees are immaterial for GM1.Immediately prior to the execution of the Letter Agreements, the Company had a $5.3 million prepaid asset related to upfront payments made to secure the Clean Room Suite. In connection with the Letter Agreements, the Company no longer has exclusive access to the Clean Room Suite at Catalent and, as a result, the Company recognized an expense of $5.3 million related to the elimination of the prepaid asset during the six months ended JuneÂ 30,Â 2023.The Company classified the $11.3 million of expenses, which comprises of $6.0 million in aggregate payments due to Catalent and the $5.3 million elimination of the prepaid asset, as general and administrative expense within the statement of operations for the six months ended JuneÂ 30,Â 2023, as both amounts did not directly relate to the future advancement of the Companyâ€™s research and development programs.LitigationIn the normal course of business, the Company from time to time is named as a party to legal claims and actions. The Company records a loss contingency reserve for a legal proceeding when the potential loss is considered probable and can be reasonably estimated. The Company has not recorded any amounts for loss contingencies as of JuneÂ 30,Â 2024.The Company is currently a defendant in litigation with a former employee in the Court of Common Pleas of Philadelphia County (Commerce Division), or the Court, relating to a claim of breach of contract and violation of the Pennsylvania Wage Payment and Collection Law. The plaintiff claims that, pursuant to an alleged settlement agreement reached on February 3, 2020, the Company agreed to issue plaintiff 150,000 shares of its common stock and that such shares would not be subject to the reverse stock split implemented by the Company in connection with its initial public offering on February 14, 2020. The plaintiffâ€™s claim is for an amount in the mid-single digit millions of dollars. The Company disagrees with the allegations that there was ever a binding settlement agreement or that any shares would not be subject to the reverse stock split, and the Company believes the plaintiffâ€™s claim is without merit. In October 2023, the Court denied both the Companyâ€™s and the plaintiffâ€™s motions for summary judgement and therefore the Company anticipates that this matter will go to trial in 2024. The Company intends to vigorously defend against these claims, and believes it has strong arguments to prevail in the litigation. There can be no assurance that the Company will prevail on its claims.Employment AgreementsThe Company has employment agreements with certain key personnel providing for up to 18 months of salary continuation, up to 150% of target annual bonus amounts, and acceleration of vesting in stock-based compensation awards in certain circumstances. X - ReferencesNo definition available. + Details Name: us-gaap_CommitmentsAndContingenciesDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for commitments and contingencies. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 405 -SubTopic 30 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/405-30/tableOfContentReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 440 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482648/440-10-50-4Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 450 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/450/tableOfContentReference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 954 -SubTopic 440 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478522/954-440-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 440 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482648/440-10-50-4Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 440 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/440/tableOfContent + Details Name: us-gaap_CommitmentsAndContingenciesDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 28 R16.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Share-Based Compensation 6 Months Ended Jun. 30, 2024 Share-Based Compensation Â Share-Based Compensation 10. Share-Based CompensationEquity Incentive PlanThe Company has three equity incentive plans: the 2018 Equity Incentive Plan, as amended, or the 2018 Plan, the 2020 Equity Incentive Plan, or the Incentive Plan, and the 2021 Equity Inducement Plan, or the Inducement Plan. New awards can only be granted under the Incentive Plan and the Inducement Plan. The total number of shares authorized under the Incentive Plan as of JuneÂ 30,Â 2024 was 15,848,867. Additionally, 3,635,337 shares previously issued under the 2018 Plan which were forfeited are available for issuance under the Incentive Plan. As of JuneÂ 30,Â 2024, 8,020,105 shares were available for future grants under the Incentive Plan. The number of shares of the Companyâ€™s common stock that may be issued pursuant to rights granted under the Incentive Plan shall automatically increase on January 1st of each year, commencing on January 1, 2021 and continuing for ten years, in an amount equal to five percent of the total number of shares of the Companyâ€™s common stock outstanding on December 31st of the preceding calendar year, subject to the discretion of the board of directors to determine a lesser number of shares shall be added for such year. As a result, the number of shares reserved for issuance under the Incentive Plan increased by 2,747,206 and 2,730,735 shares in January 2024 and 2023, respectively.The Incentive Plan provides for the granting of common stock, incentive stock options, nonqualified stock options, restricted stock awards, and/or stock appreciation rights to employees, directors, and other persons, as determined by the Companyâ€™s board of directors. The Companyâ€™s stock options awarded to date under the Incentive Plan vest based on a requisite service period, generally over four-year periods, and have a term of ten years.The Inducement Plan was approved by the Companyâ€™s board of directors in July 2021. The total number of shares authorized under the Inducement Plan as of JuneÂ 30,Â 2024 was 2,500,000. Of this amount, 1,208,175 shares were available for future grants as of JuneÂ 30,Â 2024. The Inducement Plan provides for the granting of nonqualified stock options and restricted stock awards to employees hired by the Company, as determined by the Companyâ€™s board of directors. The Companyâ€™s stock options awarded to date under the Inducement Plan vest based on requisite service period and have a term of ten years. The Companyâ€™s restricted stock units awarded to date under the Inducement Plan vest based on requisite service period and have a term based on each award agreement. The Company measures share-based awards at their grant-date fair value and records compensation expense on a straight-line basis over the vesting period of the awards. The Company recorded share-based compensation expense in the following expense categories in its accompanying statements of operations for the period presented:â€‹Three Months Ended JuneÂ 30,Â â€‹Six Months Ended JuneÂ 30,Â (in thousands)Â Â Â Â 2024Â Â Â Â 2023â€‹2024Â Â Â Â 2023Research and developmentâ€‹$ 725â€‹$ 1,731â€‹$ 1,543â€‹$ 3,359General and administrativeâ€‹Â 853â€‹Â 2,012â€‹Â 1,630â€‹Â 3,168â€‹â€‹$ 1,578â€‹$ 3,743â€‹$ 3,173â€‹$ 6,527â€‹The following table summarizes stock option activity for the six months ended JuneÂ 30,Â 2024:â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹Â Â Â Â â€‹Â Â Â Â â€‹â€‹Â Â Â Â Weightedâ€‹â€‹â€‹â€‹Weightedâ€‹averageâ€‹â€‹â€‹â€‹averageâ€‹remainingâ€‹â€‹NumberÂ ofâ€‹exerciseÂ pr at JanuaryÂ 1, 2024Â 9,290,308Â $ 5.63Â 8.0GrantedÂ 4,359,307â€‹â€‹ 1.43Â Â Â ExercisedÂ (31,925)â€‹â€‹ 1.08Â Â Â ForfeitedÂ (1,169,388)â€‹â€‹ 6.80Â Â Â Expiredâ€‹ â€”â€‹â€‹Outstanding at JuneÂ 30,Â 2024Â 12,448,302â€‹$ 4.06Â 8.3Vested and exercisable at JuneÂ 30,Â 2024Â 5,774,514â€‹$ 6.67Â 7.2Vested or expected to vest at JuneÂ 30,Â 2024Â 12,448,302â€‹$ 4.06Â 8.3â€‹The weighted average grant date fair value of options granted was $1.08 and $0.83 for the six months ended JuneÂ 30,Â 2024 and 2023, respectively. As of JuneÂ 30,Â 2024, the total unrecognized compensation expense related to unvested stock option awards was $8.8Â million, which the Company expects to recognize over a weighted average period of 2.3Â years. The fair value of each option was estimated on the date of grant using the weighted average assumptions in the table below:â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹Six Months Ended JuneÂ 30,Â â€‹â€‹2024â€‹2023Expected volatilityâ€‹ 88.4%Â Â â€‹ 92.5%Riskâ€‘free interest rateâ€‹ 4.3%â€‹ 3.6%Expected termâ€‹ 6.0yearsâ€‹ 6.0yearsExpected dividend yieldâ€‹ â€”â€‹â€‹ â€”â€‹â€‹Restricted Stock UnitsThe Company issues RSUs to employees that vest over periods as determined by the board of directors. Any unvested shares are forfeited upon termination of services. The fair value price of the RSUs is equal to the fair market value of the Companyâ€™s common stock on the date of grant. Compensation expense is recognized on a straight-line basis over the vesting period of the RSUs.â€‹The following table summarizes activity related to RSU awards during the six months ended JuneÂ 30,Â 2024:â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹Â Â Â Â â€‹Â Â Â Â â€‹Weighted average â€‹â€‹Â NumberÂ ofÂ sharesÂ â€‹grant date fair valueUnvested balance at January 1,Â 2024â€‹Â 927,000Â $ 2.37Grantedâ€‹Â 147,500Â â€‹ 1.29Vestedâ€‹â€‹ (680,166)â€‹â€‹ 2.13Forfeitedâ€‹Â (41,667)Â â€‹ 2.48Unvested balance at JuneÂ 30,Â 2024â€‹Â 352,667Â $ 2.37â€‹As of JuneÂ 30,Â 2024, the total unrecognized expense related to all RSUs was $0.5Â million, which the Company expects to recognize over a weighted-average period of 0.6Â years.â€‹Employee Stock Purchase PlanThe Companyâ€™s 2020 Employee Stock Purchase Plan, or the ESPP, became effective on February 28, 2020. The ESPP authorizes the issuance of up toÂ 1,981,766 shares of the Companyâ€™s common stock. Of this amount, 1,379,590 were available for future grants as of JuneÂ 30,Â 2024. The number of shares of the Companyâ€™s common stock that may be issued pursuant to rights granted under the ESPP shall automatically increase on JanuaryÂ 1st of eachÂ year and continuing for ten years, in an amount equal to oneÂ percent of the total number of shares of the Companyâ€™s common stock outstanding on DecemberÂ 31st of the preceding calendarÂ year, subject to the discretion of the board of directors to determine a lesser number of shares shall be added for suchÂ year. The board of directors determined the shares authorized for issuance under the ESPP would not be increased in 2024.Under the ESPP, eligible employees can purchase the Companyâ€™s common stock through accumulated payroll deductions at such times as are established by the board of directorâ€™s Compensation Committee. Eligible employees may purchase the Companyâ€™s common stock at 85% of the lower of the fair market value of the Companyâ€™s common stock on the first day of the offering period or on the last day of the offering period. The offering periods under the ESPP have a duration of six months, with periods ending in May and November of each calendar year. Eligible employees may contribute up to 15% of their eligible compensation. Under the ESPP, a participant may not accrue rights to purchase more than $25,000 worth of the Companyâ€™s common stock for each calendarÂ year in which such right is outstanding or purchase more than 4,000 shares of the Companyâ€™s common stock in any single offering period.In accordance with the guidance in ASC Topic 718-50,Â CompensationÂ â€” Stock Compensation, the ability to purchase shares of the Companyâ€™s common stock at 85% of the lower of the price on the first day of the offering period or the last day of the offering period (i.e. the purchase date) represents an option and, therefore, the ESPP is a compensatory plan under this guidance. Accordingly, share-based compensation expense is determined based on the optionâ€™s grant-date fair value as estimated by applying the Black-Scholes option-pricing model and is recognized over the withholding period. X - DefinitionThe entire disclosure for share-based payment arrangement. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/718/tableOfContentReference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (h)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (h)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (l) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_DisclosureOfCompensationRelatedCostsShareBasedPaymentsTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_DisclosureOfCompensationRelatedCostsSharebasedPaymentsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 29 R17.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Subsequent Events 6 Months Ended Jun. 30, 2024 Subsequent Events. Â Subsequent Events 11.Â Subsequent EventsOn July 31, 2024, the Company entered into a series of sublicense agreements with Gemma Biotherapeutics, Inc., or Gemma, a newly formed genetic medicines company co-founded by Dr. James Wilson, who also serves as a consultant to the Company as Scientific Advisor, in connection with the outlicense of PBGM01 for the treatment of GM1, PBKR03 for the treatment of Krabbe disease, and PBML04 for the treatment of metachromatic leukodystrophy, or MLD, collectively the Outlicensed Programs, and such agreements, the Gemma Sublicenses. Pursuant to the Gemma Sublicenses, the Company will receive (i) initial payments of $10 million for the purchase of clinical product supply; (ii) up to an additional $10 million contingent on the completion by Gemma of certain business milestones; (iii) up to an additional $114 million in development and commercial milestone payments; and (iv) single digit royalties as a percentage of annual worldwide net sales in exchange for sublicenses to relevant intellectual property, transfer of regulatory dossiers and transfer of clinical trial materials and product supply related to the Outlicensed Programs. Pursuant to the Gemma Sublicenses, Gemma will also be responsible for all payments due to Penn under the Penn Agreement related to the Outlicensed Programs. The Company also entered into a transition services agreement with Gemma, or the Transition Services Agreement, pursuant to which, the Company will provide transitional services at cost to Gemma for a period of up to six months from the effective date, and be entitled to reimbursement for transitional services performed retroactively from March 1, 2024, related to the transfer of the Outlicensed Programs. â€‹The Company also entered into a research, collaboration and license agreement with Gemma pursuant to which (i) Gemma will conduct certain preclinical and IND-enabling work for the Companyâ€™s active research program in Huntingtonâ€™s disease and a currently paused research program in Temporal Lobe Epilepsy, which were previously being conducted by Penn under the Penn Agreement and (ii) Gemma will grant the Company options to conduct new research programs in four new CNS indications. â€‹As a result of these agreements, the Company and Penn also amended and restated the Penn Agreement, as of July 31, 2024 to (i) terminate the Companyâ€™s funding of discovery research; (ii) terminate the research and exploratory research programs being conducted by Penn; (iii) terminate the remaining options the Company had to select new research programs in the CNS field; (iv) terminate the transaction fee due to Penn as a result of certain corporate transactions; and (v) retain the current exclusive and non-exclusive licenses to the Companyâ€™s programs in FTD, the Outlicensed Programs, and certain platform technologies resulting from the discovery programs the Company previously funded. Pursuant to the Gemma Sublicenses, Gemma is responsible for the payments to Penn related to the Outlicensed Programs for the development milestones, sales milestones, and royalties disclosed in Note 9.â€‹As these agreements were executed subsequent to the balance sheet date, and do not relate to conditions or events which existed as of the balance sheet date, the Companyâ€™s financial statements included in this Quarterly Report on Form 10-Q do not reflect the impacts of these agreements. X - ReferencesNo definition available. + Details Name: us-gaap_SubsequentEventsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for significant events or transactions that occurred after the balance sheet date through the date the financial statements were issued or the date the financial statements were available to be issued. Examples include: the sale of a capital stock issue, purchase of a business, settlement of litigation, catastrophic loss, significant foreign exchange rate changes, loans to insiders or affiliates, and transactions not in the ordinary course of business. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 855 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/855/tableOfContentReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 855 -

SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483399/855-10-50-2 + Details Name: us-gaap_SubsequentEventsTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 30 R18.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Pay vs Performance Disclosure - USD ($) $ in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Pay vs Performance Disclosure Â Â Â Â Net Income (Loss) $ (15,991) $ (23,856) $ (32,702) $ (58,194) X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 402 -Subsection v -Paragraph 1 + Details Name: ecd_PvpTable Namespace Prefix: ecd_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-6Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 17: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-10Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 34: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration XML 31 R19.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Insider Trading Arrangements - William Chou [Member] 3 Months Ended Jun. 30, 2024 shares Trading Arrangements, by Individual Â Material Terms of Trading Arrangement On May 9, 2024, William Chou, M.D., a director and officer of the Company, terminated a pre-arranged written stock sale plan in accordance with Rule 10b5-1 under the Exchange Act, for the potential sale of up to 300,000 shares of the Companyâ€™s common stock. The plan was terminated in accordance with the Companyâ€™s policies regarding transactions in the Companyâ€™s securities. The plan was intended to satisfy the affirmative defense conditions of Rule 10b5-1(c) under the Exchange Act and was scheduled to terminate no later than August 30, 2024, or on such earlier date on which all of the trades thereunder had been executed. Name William Chou Title director and officer of the Company Rule 10b5-1 Arrangement Terminated true Termination Date May 9, 2024 Expiration Date August 30, 2024 Aggregate Available 300,000 X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 1 + Details Name: ecd_MtrlTermsOfTrdArrTextBlock Namespace Prefix: ecd_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 1 + Details Name: ecd_Rule10b51ArrTrmntdFlag Namespace Prefix: ecd_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 2 -Subparagraph A + Details Name: ecd_TradingArrByIndTable Namespace Prefix: ecd_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 2 -Subparagraph C + Details Name: ecd_TrdArrExpirationDate Namespace Prefix: ecd_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 2 -Subparagraph A + Details Name: ecd_TrdArrIndName Namespace Prefix: ecd_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 2 -Subparagraph A + Details Name: ecd_TrdArrIndTitle Namespace Prefix: ecd_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 2 -Subparagraph D + Details Name: ecd_TrdArrSecuritiesAggAvailAmt Namespace Prefix: ecd_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 2 -Subparagraph B + Details Name: ecd_TrdArrTerminationDate Namespace Prefix: ecd_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: ecd_IndividualAxis=pasg_WilliamChouMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 32 R20.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Summary of Significant Accounting Policies (Policies) 6 Months Ended Jun. 30, 2024 Summary of Significant Accounting Policies Â Basis of Presentation Basis of PresentationThe accompanying unaudited financial statements have been prepared in accordance with generally accepted accounting principles in the United States, or GAAP. Any reference in these notes to applicable guidance is meant to refer to GAAP as found in the Accounting Standards Codification, or ASC, and Accounting Standards Updates promulgated by the Financial Accounting Standards Board, or FASB. Interim Financial Statements Interim Financial StatementsThe accompanying unaudited interim financial statements have been prepared from the books and records of the Company in accordance with GAAP for interim financial information and RuleÂ 10-01 of RegulationÂ S-X promulgated by the SEC, which permits reduced disclosures for interim periods. All adjustments, consisting only of normal recurring adjustments, necessary for a fair presentation of the accompanying balance sheets, statements of operations and comprehensive loss, stockholdersâ€™ equity, and cash flows have been made. Although these interim financial statements do not include all of the information and footnotes required for complete annual financial statements, management believes the disclosures are adequate to make the information presented not misleading. Unaudited interim results of operations and cash flows are not necessarily indicative of the results that may be expected for the fullÂ year. Unaudited interim financial statements and footnotes should be read in conjunction with the audited financial statements and footnotes included in the Companyâ€™s 2023 Annual Report filed on Form 10-K. Use of Estimates Use of EstimatesThe preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and contingent liabilities at the date of the financial statements and the reported amounts of expenses during the reporting period. Actual results could differ from those estimates.Estimates and assumptions are periodically reviewed, and the effects of the revisions are reflected in the accompanying financial statements in the period they are determined to be necessary. Fair Value of Financial Instruments Fair Value of Financial InstrumentsManagement believes that the carrying amounts of the Companyâ€™s financial instruments, including cash equivalents, prepaid expenses, and accounts payable, approximate fair value due to the short-term nature of those instruments. Concentration of Credit Risk Concentration of Credit RiskFinancial instruments that potentially subject the Company to significant concentrations of credit risk consist primarily of cash, cash equivalents, and marketable securities. The Company maintains a deposit account in a federally insured financial institution in excess of federally insured limits. The Company also maintains a money market account in a federally insured financial institution in excess of federally insured limits. The Company has not experienced any losses in such accounts and believes it is not exposed to significant risk on its cash and cash equivalents beyond the normal credit risk associated with commercial banking relationships.The Company maintains a portfolio of marketable debt securities, which is diversified to limit exposure related to counterparty risk, industry risk, and security type risk. The Company maintains an investment policy which dictates the allocation of funds within its portfolio of marketable debt securities. The Company has not experienced any material losses in such portfolio. Segment Information Segment InformationOperating segments are defined as components of an enterprise about which separate discrete information is available for evaluation by the chief operating decision maker, or decision-making group, in deciding how to allocate resources and in assessing performance. The Company views its operations and manages its business in one segment. Cash and Cash Equivalents Cash and Cash EquivalentsThe Company considers all highly-liquid investments that have maturities of three months or less when acquired to be cash equivalents. Cash equivalents as of JuneÂ 30,Â 2024 consisted of various securities as described in Note 4. Cash consists of cash deposits at banking institutions. Marketable Securities Marketable SecuritiesThe Company classifies its marketable securities with original maturities of greater than three months as available-for-sale. Marketable securities as of June 30, 2024, consisted of various securities as described in Note 4. These securities are carried at fair market value, with unrealized gains and losses reported in comprehensive loss and accumulated other comprehensive income (loss) within stockholdersâ€™ equity. Any premium or discount arising at purchase of debt securities is amortized and/or accreted over the term of the security to other income (expense), net. Gains or losses on marketable securities sold are recognized as a component of other income (expense), net in the statement of operations and comprehensive loss on the specific identification method. All marketable securities are available for use, as needed, to fund operations and therefore, the Company classifies all marketable securities as current assets within the balance sheet. Property and Equipment, Net Property and Equipment, NetProperty and equipment, net consists of laboratory equipment, office equipment, computer hardware and software, furniture and fixtures, and leasehold improvements and are recorded at cost. Maintenance and repairs that do not improve or extend the lives of the respective assets are expensed as incurred. Property and equipment are depreciated on a straight-line basis over their estimated useful lives. The Company estimates useful life on an asset-by-asset basis, which generally consists of three years for computer hardware and software, five years for office equipment, five years for laboratory equipment, and seven years for furniture and fixtures. Leasehold improvements are amortized over the shorter of the lease term or the estimated useful life of the asset.When property and equipment are retired or otherwise disposed of, the costs and accumulated depreciation are removed from the respective accounts, with any resulting gain or loss recognized concurrently. The Company did not recognize any losses on disposals of property and equipment for the three and six months ended JuneÂ 30,Â 2024. The Company recognized losses on disposals of property and equipment of $0.5 million within research and development expenses for the three and six months ended JuneÂ 30,Â 2023.The Company reviews long-lived assets, such as property and equipment, for impairment when events or changes in circumstances indicate the carrying amount of the assets may not be recoverable. The Company recognized impairment of property and equipment, of $0.4 million for the three and six months ended JuneÂ 30,Â 2024. The Company did not recognize any impairment expenses for property and equipment for the three and six months ended JuneÂ 30,Â 2023. Leasing LeasingThe Company evaluates leases at their inception to determine if they are an operating lease or a finance lease. As of JuneÂ 30,Â 2024, the Company has classified all leases with terms greater than one year, as operating leases. The Company recognizes assets and liabilities for operating leases at their inception, based on the present value of all payments due under the lease agreement. The Company uses its incremental borrowing rate to determine the present value of operating leases, which is determined by referencing collateralized borrowing rates for debt instruments with terms similar to the respective lease. The

Company utilizes the accounting policy election to not separate lease and non-lease components and the accounting policy election to not apply the recognition requirement to leases with a term of 12 months or less.The Company reviews long-lived assets, such as right of use assets, or ROU assets, for impairment when events or changes indicate the carrying amount of the ROU assets may not be recoverable. The Company did not recognize any impairment expenses for ROU assets for the three and six months ended JuneÂ 30,Â 2024 and 2023. Share-Based Compensation Share-Based CompensationThe Company measures share-based awards at grant-date fair value and records compensation expense on a straight-line basis over the vesting period of the awards. The Companyâ€™s share-based compensation consists of restricted stock units, or RSUs, and options to purchase common stock, or stock option awards.The Company uses the Black-Scholes option pricing model to value its stock option awards.Estimating the fair value of stock option awards requires the input of assumptions, including, the expected term of stock options, and stock price volatility. The assumptions used in estimating the fair value of share-based awards represent managementâ€™s estimate and involve inherent uncertainties and the application of managementâ€™s judgment. As a result, if factors change and management uses different assumptions, share-based compensation expense could be materially different for future awards. The expected term of the stock options is estimated using the â€œsimplified method,â€ as the Company has limited historical information from which to develop reasonable expectations about future exercise patterns and post-vesting employment termination behavior for its stock option grants. The simplified method is the midpoint between the vesting period and the contractual term of the option. For stock price volatility, the Company uses a composite of comparable public company data as a basis for its expected volatility to calculate the fair value of option grants. The selection of comparable public company data requires the application of managementâ€™s judgement.The Company accounts for forfeitures of RSUs and stock option awards as they occur. Research and Development Research and DevelopmentResearch and development costs are expensed as incurred and consist primarily of expenses incurred with GTP, contract research organizations, contract manufacturing organizations, internal analytical and testing activities, and employee-related expenses, including salaries, benefits, and share-based compensation. Management makes estimates of the Companyâ€™s external accrued research and development expenses, which primarily relates to contract research organizations and contract manufacturing organizations, as of each balance sheet date in the Companyâ€™s financial statements based on an estimate of progress to completion of specific tasks using facts and circumstances known to the Company at that time. The Company determines the estimates by reviewing contracts, vendor agreements, change orders, and through discussions with the Companyâ€™s internal clinical personnel and external service providers as to the progress to completion of services and the agreed-upon fee to be paid for such services. If the actual timing of the performance of services or the level of effort varies from the estimate, the Company will adjust the accrual and related expenses accordingly. Other Income (Expense), Net Other Income (Expense), NetOther income (expense), net consists of interest earned on cash equivalents and marketable securities, amortization of premium and discount on marketable securities, and income from subleases. Additionally, in the six months ended JuneÂ 30,Â 2023, the Company recognized other income related to the sale of certain tax credits.The Company recorded $1.4 million to other income (expense), net for the three months ended JuneÂ 30,Â 2024, which consisted of $1.2 million attributable to interest income and the amortization of premium and discount on the Companyâ€™s marketable securities, and $0.2 million related to income from subleases. The Company recorded $1.5 million to other income (expense), net for the three months ended JuneÂ 30,Â 2023, which consisted of $1.5 million attributable to interest income and the amortization of premium and discount on the Companyâ€™s marketable securities.The Company recorded $2.7 million to other income (expense), net for the six months ended JuneÂ 30,Â 2024, which consisted of $2.4 million attributable to interest income and the amortization of premium and discount on the Companyâ€™s marketable securities, and $0.3 million related to income from subleases. The Company recorded $3.1 million to other income (expense), net for the six months ended JuneÂ 30,Â 2023, which consisted of $2.6 million attributable to interest income and the amortization of premium and discount on the Companyâ€™s marketable securities, and $0.5 million related to the sale of certain tax credits. Net Loss Per Share Net Loss Per ShareBasic net loss per share of common stock is computed by dividing net loss by the weighted average number of shares of common stock outstanding during each period. Diluted loss per share of common stock includes the effect, if any, from the potential exercise or conversion of securities, such as stock options, which would result in the issuance of incremental shares of common stock. For diluted net loss per share, the weighted-average number of shares of common stock is the same for basic net loss per share due to the fact that when a net loss exists, dilutive securities are not included in the calculation as the impact is anti-dilutive.The following potentially dilutive securities have been excluded from the computation of diluted weighted-average shares of common stock outstanding, as they would be anti-dilutive:â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹Six Months Ended JuneÂ 30,Â â€‹â€‹2024Â Â Â Â 2023Stock optionsâ€‹ 12,448,302Â 13,552,008Unvested restricted stock unitsâ€‹ 352,667â€‹ 1,159,916Employee stock purchase planâ€‹ 36,789â€‹ 34,523â€‹â€‹ 12,837,758Â 14,746,447 Recently Adopted Accounting Pronouncements Recently Adopted Accounting PronouncementsIn November 2023, the FASB issued ASU No. 2023-07, Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures, or ASU 2023-07, which expands segment disclosures by requiring disclosure of significant segment expenses that are regularly provided to the chief operating decision maker and included within each reported measure of segment profit or loss, an amount and description of its composition for other segment items, and interim disclosures of a reportable segmentâ€™s profit or loss and assets. The disclosures required under ASU 2023-07 are also required for public entities with a single reportable segment. ASU 2023-07 is effective for the Companyâ€™s first fiscal year beginning after December 15, 2023 and for interim periods within the Companyâ€™s first fiscal year beginning after December 15, 2024, with early adoption permitted. The Company does not expect the adoption of ASU 2023-07 to have a material impact on its financial statements or disclosures. In December 2023, the FASB issued ASU No. 2023-09, Income Taxes (Topic 740): Improvements to Income Tax Disclosures, or ASU 2023-09, which requires that an entity, on an annual basis, disclose additional income tax information, primarily related to the rate reconciliation and income taxes paid. The amendments in ASU 2023-09 are intended to enhance the transparency and decision usefulness of income tax disclosures. The amendments in this ASU are effective for annual periods beginning after December 15, 2024 with early adoption permitted. The Company is currently evaluating the impact of this guidance on disclosures. X - DefinitionDisclosure of accounting policy for basis of presentation. + ReferencesNo definition available. + Details Name: pasg_BasisOfPresentationPolicyTextBlock Namespace Prefix: pasg_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for interim financial statements. + ReferencesNo definition available. + Details Name: pasg_InterimFinancialStatementsPolicyTextBlock Namespace Prefix: pasg_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for other income or other expense items. + ReferencesNo definition available. + Details Name: pasg_OtherIncomeAndOtherExpensePolicyPolicyTextBlock Namespace Prefix: pasg_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_AccountingPoliciesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for cash and cash equivalents, including the policy for determining which items are treated as cash equivalents. Other information that may be disclosed includes (1) the nature of any restrictions on the entity's use of its cash and cash equivalents, (2) whether the entity's cash and cash equivalents are insured or expose the entity to credit risk, (3) the classification of any negative balance accounts (overdrafts), and (4) the carrying basis of cash equivalents (for example, at cost) and whether the carrying amount of cash equivalents approximates fair value. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-1 + Details Name: us-gaap_CashAndCashEquivalentsPolicyTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for credit risk. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 942 -SubTopic 825 -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478898/942-825-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-1 + Details Name: us-gaap_ConcentrationRiskCreditRisk Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for computing basic and diluted earnings or loss per share for each class of common stock and participating security. Addresses all significant policy factors, including any antidilutive items that have been excluded from the computation and takes into account stock dividends, splits and reverse splits that occur after the balance sheet date of the latest reporting period but before the issuance of the financial statements. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 260 -SubTopic 10 -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 260 -SubTopic 10 -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-2 + Details Name: us-gaap_EarningsPerSharePolicyTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for determining the fair value of financial instruments. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -SubTopic 10 -Topic 825 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-1 + Details Name: us-gaap_FairValueOfFinancialInstrumentsPolicy Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for leasing arrangement entered into by lessee. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-1 + Details Name: us-gaap_LesseeLeasesPolicyTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for investment classified as marketable security. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 942 -SubTopic 320 -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477268/942-320-50-5 + Details Name: us-gaap_MarketableSecuritiesPolicy Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy pertaining to new accounting pronouncements that may impact the entity's financial reporting. Includes, but is not limited to, quantification of the expected or actual impact. + ReferencesNo definition available. + Details Name: us-gaap_NewAccountingPronouncementsPolicyPolicyTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for long-lived, physical asset used in normal conduct of business and not intended for resale. Includes, but is not limited to, work of art, historical treasure, and similar asset classified as collections. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -SubTopic 10 -Topic 360 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(8)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 6 -SubTopic 360 -Topic 958 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477798/958-360-50-6Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -SubTopic 360 -Topic 958 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477798/958-360-50-1 + Details Name: us-gaap_PropertyPlantAndEquipmentPolicyTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for costs it has incurred (1) in a planned search or critical investigation aimed at discovery of new knowledge with the hope that such knowledge will be useful in developing a new product or service, a new process or technique, or in bringing about a significant improvement to an existing product or process; or (2) to translate research findings or other knowledge into a plan or design for a new product or process or for a significant improvement to an existing product or process. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 730 -SubTopic 10 -Name Accounting Standards Codification -Section 05 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483044/730-10-05-1 + Details Name: us-gaap_ResearchAndDevelopmentExpensePolicy Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for segment reporting. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 41 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-41Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 47 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-47Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 29 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-29Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 54 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-54Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 36 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-36Reference 6: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 47 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-47Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 29 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-29Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 29 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-29Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 29 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-29Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 29 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-29Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 29 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-29Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 29 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-29 + Details Name: us-gaap_SegmentReportingPolicyPolicyTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for award under share-based payment arrangement. Includes, but is not limited to, methodology and assumption used in measuring cost. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(v) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 14.C.Q3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479830/718-10-S99-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 14.D.1.Q5) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479830/718-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 14.D.3.Q2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479830/718-10-S99-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 14.D.2.Q6) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479830/718-10-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/718/tableOfContentReference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -

Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationOptionAndIncentivePlansPolicy Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for the use of estimates in the preparation of financial statements in conformity with generally accepted accounting principles. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-9Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-4Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 11 -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-11Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 12 -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-12Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-8 + Details Name: us-gaap_UseOfEstimates Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 33 R21.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Summary of Significant Accounting Policies (Tables) 6 Months Ended Jun. 30, 2024 Summary of Significant Accounting Policies Â Schedule of antidilutive securities excluded from computation of earnings per share â€‹â€‹â€‹

options, including, but not limited to: (a) expected term of share options and similar instruments, (b) expected volatility of the entity's shares, (c) expected dividends, (d) risk-free rate(s), and (e) discount for post-vesting restrictions. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 718 -SubTopic 10 -Subparagraph (f)(2) -Name Accounting Standards Codification -Paragraph 2 -Section 50 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ScheduleOfShareBasedPaymentAwardStockOptionsValuationAssumptionsTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 40 R28.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Risks and Liquidity (Details) - USD ($) $ in Thousands 3 Months Ended 6 Months Ended Mar. 05, 2021 Mar. 31, 2024 Jun. 30, 2024 Mar. 04, 2024 Dec. 31, 2023 Risks And Liquidity [Line Items] Â Â Â Â Â Accumulated deficit Â Â $ (627,170) Â $ (594,468) Sale of common stock, net of issuance costs Â Â 8,742 Â Â ATM Facility Â Â Â Â Â Risks And Liquidity [Line Items] Â Â Â Â Â Shares issued Â 6,000,000 Â Â Â Proceeds from issuance of common stock, net of offering costs Â $ 8,700 Â Â Â Issuance cost Â $ 300 Â Â Â Capacity to offer and sell shares Â Â Â $ 50,000 Â Remaining capacity available to be sold Â Â $ 50,000 Â Â ATM Facility | Maximum Â Â Â Â Â Risks And Liquidity [Line Items] Â Â Â Â Â Sale of common stock, net of issuance costs $ 125,000 Â Â Â Â X - DefinitionThe maximum value of shares authorized to offer and sell. + ReferencesNo definition available. + Details Name: pasg_MaximumValueOfSharesAuthorizedToOfferAndSell Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionThe remaining capacity of value of shares available to be sold. + ReferencesNo definition available. + Details Name: pasg_RemainingCapacityOfValueOfSharesAvailableToBeSold Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: pasg_RisksAndLiquidityLineItems Namespace Prefix: pasg_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe cash outflow for cost incurred directly with the issuance of an equity security. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-15 + Details Name: us-gaap_PaymentsOfStockIssuanceCosts Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe cash inflow from the additional capital contribution to the entity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 14 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14 + Details Name: us-gaap_ProceedsFromIssuanceOfCommonStock Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of accumulated undistributed earnings (deficit). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)(a)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (h)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-11Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(23)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_RetainedEarningsAccumulatedDeficit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionNumber of new stock issued during the period. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 505 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478448/946-505-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-03(i)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479886/946-10-S99-3Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockIssuedDuringPeriodSharesNewIssues Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionEquity impact of the value of new stock issued during the period. Includes shares issued in an initial public offering or a secondary public offering. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-11Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 205 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478009/946-205-45-4Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 505 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478448/946-505-50-2Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockIssuedDuringPeriodValueNewIssues Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - Details Name: us-gaap_SubsidiarySaleOfStockAxis=pasg_AttheMarketFacilityAgreementMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_RangeAxis=srt_MaximumMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 41 R29.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Summary of Significant Accounting Policies (Details) - USD ($) $ in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Â Â Â Â Asset impairment charges $ 438 Â $ 438 Â Loss on disposal of property and equipment Â $ (500) Â $ (463) Impairment of property and equipment 400 Â 400 Â Other income (expense), net 1,387 1,532 2,726 3,077 Amortization of premium and discount 1,200 $ 1,500 2,400 2,600 Sublease Income $ 243 Â $ 300 Â Gain (loss) on sale of tax credits Â Â Â $ 500 Amount of antidilutive securities excluded from computation of earnings per share Â Â 12,837,758 14,746,447 Stock options (including shares subject to repurchase) Â Â Â Â Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Â Â Â Â Amount of antidilutive securities excluded from computation of earnings per share Â Â 12,448,302 13,552,008 Unvested restricted stock units Â Â Â Â Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Â Â Â Â Amount of antidilutive securities excluded from computation of earnings per share Â Â 352,667 1,159,916 Employee stock purchase plan Â Â Â Â Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Â Â Â Â Amount of antidilutive securities excluded from computation of earnings per share Â Â 36,789 34,523 Computer hardware and software Â Â Â Â Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Â Â Â Â Useful life 3 years Â 3 years Â Office equipment Â Â Â Â Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Â Â Â Â Useful life 5 years Â 5 years Â Laboratory equipment Â Â Â Â Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Â Â Â Â Useful life 5 years Â 5 years Â Furniture and fixtures Â Â Â Â Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Â Â Â Â Useful life 7 years Â 7 years Â X - DefinitionThe amount of gain (loss) on sale of tax credits. + ReferencesNo definition available. + Details Name: pasg_GainLossOnSaleOfTaxCredits Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionSecurities (including those issuable pursuant to contingent stock agreements) that could potentially dilute basic earnings per share (EPS) or earnings per unit (EPU) in the future that were not included in the computation of diluted EPS or EPU because to do so would increase EPS or EPU amounts or decrease loss per share or unit amounts for the period presented. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1 + Details Name: us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareAmount Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of write-down of assets recognized in the income statement. Includes, but is not limited to, losses from tangible assets, intangible assets and goodwill. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 360 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-4 + Details Name: us-gaap_AssetImpairmentCharges Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of gain (loss) on sale or disposal of property, plant and equipment assets, including oil and gas property and timber property. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_GainLossOnSaleOfPropertyPlantEquipment Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe aggregate amount of write-downs for impairments recognized during the period for long-lived assets held for abandonment, exchange or sale. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 100 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-100Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-15 + Details Name: us-gaap_ImpairmentOfLongLivedAssetsToBeDisposedOf Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of accretion (amortization) of purchase discount (premium) on nonoperating securities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_InvestmentIncomeNetAmortizationOfDiscountAndPremium Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of income (expense) related to nonoperating activities, classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_OtherNonoperatingIncomeExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionUseful life of long lived, physical assets used in the normal conduct of business and not intended for resale, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. Examples include, but not limited to, land, buildings, machinery and equipment, office equipment, furniture and fixtures, and computer equipment. + ReferencesNo definition available. + Details Name: us-gaap_PropertyPlantAndEquipmentUsefulLife Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: instant X - DefinitionAmount of sublease income excluding finance and operating lease expense. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_SubleaseIncome Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - Details Name: us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareByAntidilutiveSecuritiesAxis=pasg_StockOptionsIncludingSharesSubjectToRepurchaseMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareByAntidilutiveSecuritiesAxis=us-gaap_RestrictedStockUnitsRSUMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareByAntidilutiveSecuritiesAxis=us-gaap_EmployeeStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=us-gaap_ComputerEquipmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=us-gaap_OfficeEquipmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=pasg_LaboratoryEquipmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=us-gaap_FurnitureAndFixturesMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 42 R30.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Cash, Cash Equivalents and Marketable Securities - Portfolio of Cash and Cash Equivalents (Details) - USD ($) $ in Thousands Jun. 30, 2024 Dec. 31, 2023 Cash and cash equivalents Â Â Cost or Amortized cost $ 24,770 $ 21,709 Fair value 24,770 21,709 Cash accounts in banking institutions Â Â Cash and cash equivalents Â Â Cost or Amortized cost 4,236 3,596 Fair value 4,236 3,596 Money market funds Â Â Cash and cash equivalents Â Â Cost or Amortized cost 12,004 13,763 Fair value 12,004 13,763 Commercial paper Â Â Cash and cash equivalents Â Â Cost or Amortized cost 7,255 2,670 Fair value 7,255 2,670 Corporate debt securities Â Â Cash and cash equivalents Â Â Cost or Amortized cost 1,275 1,680 Fair value $ 1,275 $ 1,680 X - ReferencesNo definition available. + Details Name: us-gaap_CashAndCashEquivalentsAtCarryingValueAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionFair value portion of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name

Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2 + Details Name: us-gaap_CashAndCashEquivalentsFairValueDisclosure Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_CashEquivalentsAtCarryingValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: us-gaap_CashAndCashEquivalentsAxis=us-gaap_DemandDepositsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_CashAndCashEquivalentsAxis=us-gaap_MoneyMarketFundsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_CashAndCashEquivalentsAxis=us-gaap_CommercialPaperMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_CashAndCashEquivalentsAxis=us-gaap_CorporateDebtSecuritiesMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 43 R31.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Cash, Cash Equivalents and Marketable Securities - Portfolio of Marketable Securities (Details) - USD ($) $ in Thousands Jun. 30, 2024 Dec. 31, 2023 Debt Securities, Available-for-sale, Fair Value to Amortized Cost [Abstract] Â Â Amortized cost $ 67,070 $ 92,628 Unrealized gains 2 23 Unrealized losses (69) (66) Fair value 67,003 92,585 Certificates of deposit Â Â Debt Securities, Available-for-sale, Fair Value to Amortized Cost [Abstract] Â Â Amortized cost 8,429 10,950 Unrealized gains 1 6 Unrealized losses (2) Â Fair value 8,428 10,956 Commercial paper Â Â Debt Securities, Available-for-sale, Fair Value to Amortized Cost [Abstract] Â Â Amortized cost 37,116 34,601 Unrealized gains Â 9 Unrealized losses (19) (4) Fair value 37,097 34,606 Corporate debt securities Â Â Debt Securities, Available-for-sale, Fair Value to Amortized Cost [Abstract] Â Â Amortized cost 11,936 22,940 Unrealized gains 1 8 Unrealized losses (3) (8) Fair value 11,934 22,940 U.S. government securities Â Â Debt Securities, Available-for-sale, Fair Value to Amortized Cost [Abstract] Â Â Amortized cost 9,589 16,049 Unrealized gains Â 0 Unrealized losses (45) (44) Fair value $ 9,544 16,005 U.S. government agency securities Â Â Debt Securities, Available-for-sale, Fair Value to Amortized Cost [Abstract] Â Â Amortized cost Â 8,088 Unrealized losses Â (10) Fair value Â $ 8,078 X - DefinitionAmount, before tax, of unrealized gain in accumulated other comprehensive income (AOCI) on investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-2 + Details Name: us-gaap_AvailableForSaleDebtSecuritiesAccumulatedGrossUnrealizedGainBeforeTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, before tax, of unrealized loss in accumulated other comprehensive income (AOCI) on investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-2 + Details Name: us-gaap_AvailableForSaleDebtSecuritiesAccumulatedGrossUnrealizedLossBeforeTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmortized cost of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479130/326-30-45-1 + Details Name: us-gaap_AvailableForSaleDebtSecuritiesAmortizedCostBasis Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale). + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 103 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-103Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 100 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-100Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (aa) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-2Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481830/320-10-45-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479130/326-30-45-1 + Details Name: us-gaap_AvailableForSaleSecuritiesDebtSecurities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_AvailableForSaleSecuritiesFairValueToAmortizedCostBasisAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_FinancialInstrumentAxis=us-gaap_CertificatesOfDepositMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FinancialInstrumentAxis=us-gaap_CommercialPaperMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FinancialInstrumentAxis=us-gaap_CorporateDebtSecuritiesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FinancialInstrumentAxis=us-gaap_USGovernmentDebtSecuritiesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FinancialInstrumentAxis=us-gaap_USGovernmentAgenciesDebtSecuritiesMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 44 R32.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Cash, Cash Equivalents and Marketable Securities - (Contractual Final Maturities of Marketable Securities) (Details) $ in Thousands Jun. 30, 2024 USD ($) Debt Securities, Available-for-sale, Maturity, Allocated and Single Maturity Date, Amortized Cost [Abstract] Â Due within one year, Amortized Cost $ 67,070 Total, Amortized Cost 67,070 Debt Securities, Available-for-sale, Maturity, Allocated and Single Maturity Date, Fair Value [Abstract] Â Due within one year, Fair Value 67,003 Total, Fair Value $ 67,003 X - DefinitionFair value of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), with single maturity date and allocated without single maturity date. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-3Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 942 -SubTopic 320 -Name Accounting Standards Codification -Section 50 -Paragraph 3A -Publisher FASB -URI https://asc.fasb.org/1943274/2147477268/942-320-50-3A + Details Name: us-gaap_AvailableForSaleSecuritiesDebtMaturitiesSingleMaturityDate Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_AvailableForSaleSecuritiesDebtMaturitiesSingleMaturityDateAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmortized cost of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), with single maturity date and allocated without single maturity date. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-3Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 942 -SubTopic 320 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477268/942-320-50-3 + Details Name: us-gaap_AvailableForSaleSecuritiesDebtMaturitiesSingleMaturityDateAmortizedCostBasis Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_AvailableForSaleSecuritiesDebtMaturitiesSingleMaturityDateAmortizedCostBasisAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmortized cost of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), with single maturity date and allocated without single maturity date, maturing in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-3 + Details Name: us-gaap_AvailableForSaleSecuritiesDebtMaturitiesWithinOneYearAmortizedCost Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionFair value of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), with single maturity date and allocated without single maturity date, maturing in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-3Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 320 -Name Accounting Standards Codification -Section 50 -Paragraph 3A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477268/942-320-50-3A + Details Name: us-gaap_AvailableForSaleSecuritiesDebtMaturitiesWithinOneYearFairValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 45 R33.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Fair Value of Financial Instruments (Recurring basis) (Details) - USD ($) $ in Thousands Jun. 30, 2024 Dec. 31, 2023 Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Â Â Cash equivalents $ 24,770 $ 21,709 Marketable securities 67,003 92,585 Certificates of deposit Â Â Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Â Â Marketable securities 8,428 10,956 Commercial paper Â Â Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Â Â Marketable securities 37,097 34,606 Corporate debt securities Â Â Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Â Â Marketable securities 11,934 22,940 U.S. government securities Â Â Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Â Â Marketable securities 9,544 16,005 U.S. government agency securities Â Â Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Â Â Marketable securities Â 8,078 Money market funds Â Â Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Â Â Cash equivalents 12,004 13,763 Commercial paper Â Â Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Â Â Cash equivalents 7,255 2,670 Corporate debt securities Â Â Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Â Â Cash equivalents 1,275 1,680 Level 1 | Recurring Â Â Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Â Â Cash equivalents 12,004 13,763 Total financial assets 12,004 13,763 Level 1 | Recurring | Money market funds Â Â Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Â Â Cash equivalents 12,004 13,763 Level 2 | Recurring Â Â Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Â Â Cash equivalents 8,530 4,350 Marketable securities 67,003 92,585 Total financial assets 75,533 96,935 Level 2 | Recurring | Certificates of deposit Â Â Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Â Â Marketable securities 8,428 10,956 Level 2 | Recurring | Commercial paper Â Â Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Â Â Cash equivalents Â 2,670 Marketable securities 37,097 34,606 Level 2 | Recurring | Corporate debt securities Â Â Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Â Â Cash equivalents Â 1,680 Marketable securities 11,934 22,940 Level 2 | Recurring | U.S. government securities Â Â Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Â Â Marketable securities 9,544 16,005 Level 2 | Recurring | U.S. government agency securities Â Â Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Â Â Marketable securities Â $ 8,078 Level 2 | Recurring | Commercial paper Â Â Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Â Â Cash equivalents 7,255 Â Level 2 | Recurring | Corporate debt securities Â Â Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Â Â Cash equivalents $ 1,275 Â X - DefinitionFair value portion of asset recognized for present right to economic benefit. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 100 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-100Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2 + Details Name: us-gaap_AssetsFairValueDisclosure Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale). + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 103 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-103Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 100 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-100Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (aa) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-2Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI

https://asc.fasb.org/1943274/2147481830/320-10-45-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479130/326-30-45-1 + Details Name: us-gaap_AvailableForSaleSecuritiesDebtSecurities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionFair value portion of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2 + Details Name: us-gaap_CashAndCashEquivalentsFairValueDisclosure Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 100 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-100Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-3 + Details Name: us-gaap_FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_FinancialInstrumentAxis=us-gaap_CertificatesOfDepositMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FinancialInstrumentAxis=us-gaap_CommercialPaperMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FinancialInstrumentAxis=us-gaap_CorporateDebtSecuritiesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FinancialInstrumentAxis=us-gaap_USGovernmentDebtSecuritiesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FinancialInstrumentAxis=us-gaap_USGovernmentAgenciesDebtSecuritiesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_CashAndCashEquivalentsAxis=us-gaap_MoneyMarketFundsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_CashAndCashEquivalentsAxis=us-gaap_CommercialPaperMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_CashAndCashEquivalentsAxis=us-gaap_CorporateDebtSecuritiesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FairValueByFairValueHierarchyLevelAxis=us-gaap_FairValueInputsLevel1Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FairValueByMeasurementFrequencyAxis=us-gaap_FairValueMeasurementsRecurringMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FairValueByFairValueHierarchyLevelAxis=us-gaap_FairValueInputsLevel2Member Namespace Prefix: Data Type: na Balance Type: Period Type: XML 46 R34.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Property and Equipment, Net (Details) - USD ($) $ in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Dec. 31, 2023 Property, Plant and Equipment [Line Items] Â Â Â Â Â Total property and equipment $ 21,892 Â $ 21,892 Â $ 22,531 Accumulated depreciation and amortization (8,838) Â (8,838) Â (7,236) Total, property plant and equipment net 13,054 Â 13,054 Â 15,295 Depreciation expense 800 $ 1,000 1,603 $ 1,956 Â Laboratory equipment Â Â Â Â Â Property, Plant and Equipment [Line Items] Â Â Â Â Â Total property and equipment 10,065 Â 10,065 Â 10,065 Office equipment Â Â Â Â Â Property, Plant and Equipment [Line Items] Â Â Â Â Â Total property and equipment 119 Â 119 Â 119 Computer hardware and software. Â Â Â Â Â Property, Plant and Equipment [Line Items] Â Â Â Â Â Total property and equipment 1,077 Â 1,077 Â 1,077 Furniture and fixtures Â Â Â Â Â Property, Plant and Equipment [Line Items] Â Â Â Â Â Total property and equipment 419 Â 419 Â 419 Leasehold improvements Â Â Â Â Â Property, Plant and Equipment [Line Items] Â Â Â Â Â Total property and equipment $ 10,212 Â $ 10,212 Â 10,213 Construction in progress Â Â Â Â Â Property, Plant and Equipment [Line Items] Â Â Â Â Â Total property and equipment Â Â Â Â $ 638 X - DefinitionAmount of accumulated depreciation, depletion and amortization for physical assets used in the normal conduct of business to produce goods and services. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(8)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(14)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 360 -SubTopic 10 -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1 + Details Name: us-gaap_AccumulatedDepreciationDepletionAndAmortizationPropertyPlantAndEquipment Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionThe aggregate expense recognized in the current period that allocates the cost of tangible assets, intangible assets, or depleting assets to periods that benefit from use of the assets. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22 + Details Name: us-gaap_DepreciationDepletionAndAmortization Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount before accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(13)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1 + Details Name: us-gaap_PropertyPlantAndEquipmentGross Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-7A + Details Name: us-gaap_PropertyPlantAndEquipmentLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount after accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business to produce goods and services and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -SubTopic 10 -Topic 360 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-7AReference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 360 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478451/942-360-50-1 + Details Name: us-gaap_PropertyPlantAndEquipmentNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=pasg_LaboratoryEquipmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=us-gaap_OfficeEquipmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=pasg_ComputerHardwareAndSoftwareMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=us-gaap_FurnitureAndFixturesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=us-gaap_LeaseholdsAndLeaseholdImprovementsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=us-gaap_ConstructionInProgressMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 47 R35.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Accrued Expenses and Other Current Liabilities (Details) - USD ($) $ in Thousands Jun. 30, 2024 Dec. 31, 2023 Accrued Expenses and Other Current Liabilities Â Â Professional fees $ 595 $ 1,176 Compensation and related benefits 3,608 6,636 Research and development 1,360 1,858 Amount due to Penn for discovery research 2,500 Â Amount due to Catalent in connection with Amended Catalent Agreements Â 2,000 Accrued expenses and other current liabilities $ 8,063 $ 11,670 X - DefinitionThe carrying balance as of the balance sheet of accrued expenses and other current liabilities. + ReferencesNo definition available. + Details Name: pasg_AccruedExpensesAndOtherCurrentLiabilities Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionThe carrying balance as of the balance sheet of accrued research and development expense. + ReferencesNo definition available. + Details Name: pasg_AccruedResearchAndDevelopmentExpense Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount accrued for payments related to collaboration agreement + ReferencesNo definition available. + Details Name: pasg_CollaborationAgreementAccruedPayments Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_AccruedLiabilitiesAndOtherLiabilitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionCarrying value as of the balance sheet date of obligations incurred through that date and payable for professional fees, such as for legal and accounting services received. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_AccruedProfessionalFeesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionTotal of the carrying values as of the balance sheet date of obligations incurred through that date and payable for obligations related to services received from employees, such as accrued salaries and bonuses, payroll taxes and fringe benefits. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_EmployeeRelatedLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of liabilities classified as other, due within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10 + Details Name: us-gaap_OtherLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 48 R36.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Leases (Details) $ in Thousands 3 Months Ended 6 Months Ended Feb. 20, 2024 USD ($) ftÂ² Sep. 29, 2023 USD ($) ftÂ² Aug. 07, 2023 USD ($) ftÂ² Jun. 30, 2024 USD ($) ftÂ² item Jun. 30, 2024 USD ($) ftÂ² item Lessee, Lease, Description [Line Items] Â Â Â Â Â Sublease Income Â Â Â $ 243 $ 300 Impairment of long-lived assets Â Â Â 438 $ 438 Target annual bonus Â Â Â Â 150.00% Future minimum lease payments Â Â Â Â Â 2024 Â Â Â 1,937 $ 1,937 2025 Â Â Â 3,883 3,883 2026 Â Â Â 3,757 3,757 2027 Â Â Â 3,863 3,863 2028 Â Â Â 3,973 3,973 Thereafter Â Â Â 25,706 25,706 Total undiscounted lease payments Â Â Â 43,119 43,119 Less: imputed interest Â Â Â (16,968) (16,968) Total Lease Liabilities Â Â Â $ 26,151 $ 26,151 Operating Leases For Office Space Â Â Â Â Â Lessee, Lease, Description [Line Items] Â Â Â Â Â Area leased | ftÂ² Â Â Â 37,000 37,000 Option to extend lease Â Â Â Â true Number of extension terms | item Â Â Â 2 2 Renewal term of lease Â Â Â 5 years 5 years Option to terminate lease Â Â Â Â true Notice Period for termination lease Â Â Â Â 15 months Sublease Agreement A Â Â Â Â Â Lessee, Lease, Description [Line Items] Â Â Â Â Â Area leased | ftÂ² Â Â 8,000 Â Â Option to extend lease Â Â true Â Â Sublease Income Â Â $ 100 Â Â Annual increase in sublease rent (as a percent) Â Â 2.75% Â Â Sublease Agreement B Â Â Â Â Â Lessee, Lease, Description [Line Items] Â Â Â Â Â Area leased | ftÂ² Â 29,000 Â Â Â Option to extend lease Â true Â Â Â Sublease Income Â $ 900 Â Â Â 1835 Market Street Sublease Agreement Â Â Â Â Â Lessee, Lease, Description [Line Items] Â Â Â Â Â Area leased | ftÂ² 16,000 Â Â Â Â Term of the lease 18 months Â Â Â Â Option to extend lease true Â Â Â Â Sublease Income $ 300 Â Â Â Â Maximum | Operating Leases For Laboratory Space Â Â Â Â Â Lessee, Lease, Description [Line Items] Â Â Â Â Â Number of extension terms | item Â Â Â 2 2 Extended term of new lease agreement Â Â Â Â 5 years X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease due after fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesNo definition available. + Details Name: pasg_LesseeOperatingLeaseLiabilityPaymentsDueAfterYearFour Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionRepresents the notice period for termination of lease. + ReferencesNo definition available. + Details Name: pasg_LesseeOperatingLeaseNoticePeriodForTerminationOfLease Namespace Prefix: pasg_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionRepresents the number of extensions available under the new lease arrangement. + ReferencesNo definition available. + Details Name: pasg_NewLeaseAgreementOperatingLeaseNumberOfExtensions Namespace Prefix: pasg_ Data Type: xbrli:integerItemType Balance Type: na Period Type: instant X - DefinitionRepresents the renewal term under new lease agreement. + ReferencesNo definition available. + Details Name: pasg_NewLeaseAgreementOperatingLeaseRenewalTerm Namespace Prefix: pasg_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionRepresents the percentage of annual increase in sublease rent. + ReferencesNo definition available. + Details Name: pasg_PercentageOfAnnualIncreaseInSubleaseRent Namespace Prefix: pasg_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionRepresents the percentage of target annual bonus amounts. + ReferencesNo definition available. + Details Name: pasg_PercentageOfTargetAnnualBonusAmounts Namespace Prefix: pasg_ Data Type: dtr-types:percentItemType Balance Type: na Period

Type: duration X - DefinitionArea of land held. + ReferencesNo definition available. + Details Name: us-gaap_AreaOfLand Namespace Prefix: us-gaap_ Data Type: dtr-types:areaItemType Balance Type: na Period Type: instant X - DefinitionAmount of write-down of assets recognized in the income statement. Includes, but is not limited to, losses from tangible assets, intangible assets and goodwill. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 360 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-4 + Details Name: us-gaap_AssetImpairmentCharges Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7A -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-7AReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-3 + Details Name: us-gaap_LesseeLeaseDescriptionLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionIndicates (true false) whether lessee has option to extend operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-3 + Details Name: us-gaap_LesseeOperatingLeaseExistenceOfOptionToExtend Namespace Prefix: us-gaap_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionIndicates (true false) whether lessee has option to terminate operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-3 + Details Name: us-gaap_LesseeOperatingLeaseExistenceOfOptionToTerminate Namespace Prefix: us-gaap_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease to be paid in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueNextTwelveMonths Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease to be paid in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearFour Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease to be paid in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearThree Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease to be paid in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearTwo Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease having initial or remaining lease term in excess of one year to be paid in remainder of current fiscal year. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsRemainderOfFiscalYear Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payments in excess of discounted obligation for lease payments for operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityUndiscountedExcessAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionRemaining lease term of operating lease, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7A -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-7AReference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-3 + Details Name: us-gaap_LesseeOperatingLeaseRemainingLeaseTerm Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: instant X - DefinitionTerm of lessee's operating lease, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-3 + Details Name: us-gaap_LesseeOperatingLeaseTermOfContract Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_OperatingLeaseLiabilitiesPaymentsDueAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiability Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of sublease income excluding finance and operating lease expense. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_SubleaseIncome Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=pasg_OperatingLeasesForOfficeSpaceMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=pasg_SubleaseAgreementaMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=pasg_SubleaseAgreementBMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=pasg_MarketStreetSubleaseAgreement1835Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_RangeAxis=srt_MaximumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=pasg_OperatingLeasesForLaboratorySpaceMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 49 R37.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Leases - Operating lease cost (Details) - USD ($) $ in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Leases Â Â Â Â Operating lease cost $ 909 $ 830 $ 1,740 $ 1,661 Variable lease cost 394 448 1,114 926 Lease cost $ 1,303 $ 1,278 $ 2,854 $ 2,587 Weighted-average discount rate 9.70% 9.70% 9.70% 9.70% Weighted-average remaining lease term (years) 10 years 8 months 12 days 11 years 8 months 12 days 10 years 8 months 12 days 11 years 8 months 12 days Operating lease payments Â Â $ 1,800 $ 1,700 X - DefinitionAmount of lease cost recognized by lessee for lease contract. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_LeaseCost Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_LeasesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of single lease cost, calculated by allocation of remaining cost of lease over remaining lease term. Includes, but is not limited to, single lease cost, after impairment of right-of-use asset, calculated by amortization of remaining right-of-use asset and accretion of lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_OperatingLeaseCost Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash outflow from operating lease to bring another asset to condition and location necessary for its intended use. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 5 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-5Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_OperatingLeasePaymentsUse Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionWeighted average discount rate for operating lease calculated at point in time. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_OperatingLeaseWeightedAverageDiscountRatePercent Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - DefinitionWeighted average remaining lease term for operating lease, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_OperatingLeaseWeightedAverageRemainingLeaseTerm1 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: instant X - DefinitionAmount of variable lease cost, excluded from lease liability, recognized when obligation for payment is incurred for finance and operating leases. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_VariableLeaseCost Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration XML 50 R38.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Leases - Sublease income (Details) - USD ($) $ in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2024 Leases Â Â Sublease rental income $ 243 $ 300 X - ReferencesNo definition available. + Details Name: us-gaap_LeasesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of sublease income excluding finance and operating lease expense. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_SubleaseIncome Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration XML 51 R39.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Commitments and Contingencies - Collaboration Agreements (Details) - USD ($) $ in Thousands 1 Months Ended 6 Months Ended 11 Months Ended Aug. 03, 2020 Feb. 03, 2020 Apr. 30, 2020 Jun. 30, 2019 Jun. 30, 2024 Jun. 30, 2023 May 01, 2024 Collaborative Arrangement and Arrangement Other than Collaborative [Line Items] Â Â Â Â Â Â Â Accrued payments on collaboration Â Â Â Â $ 2,500 Â Â Common stock Â 150,000 Â Â Â Â Â Target annual bonus Â Â Â Â 150.00% Â Â Catalent Maryland Inc [Member] Â Â Â Â Â Â Â Collaborative Arrangement and Arrangement Other than Collaborative [Line Items] Â Â Â Â Â Â Â Annual fee payable, term Â Â Â 5 years Â Â Â Period for which annual fee is payable Â Â 5 years Â Â Â Â Term of manufacturing and supply agreement Â Â 5 years Â Â Â Â Minimum amount agreed to purchase in batches of drug product Â Â $ 10,600 Â Â Â Â Aggregate payments on collaboration Â Â Â Â Â Â $ 6,000 Prepaid assets related to upfront payments Â Â Â Â $ 5,300 Â Â General and administrative | Catalent Maryland Inc [Member] Â Â Â Â Â Â Â Collaborative Arrangement and Arrangement Other than Collaborative [Line Items] Â Â Â Â Â Â Â Expenses on elimination of prepaid asset Â Â Â Â Â $ 5,300 Â Expense on write off Â Â Â Â Â 11,300 Â Expense on write off of aggregate payments Â Â Â Â Â $ 6,000 Â Amended and restated agreement with Penn Â Â Â Â Â Â Â Collaborative Arrangement and Arrangement Other than Collaborative [Line Items] Â Â Â Â Â Â Â Annual fee payable $ 5,000 Â Â Â Â Â Quarterly fee payable 1,300 Â Â Â Â Â Upfront payments 1,000 Â Â Â Â Â Upfront fee payable upon clinical candidate designation 500 Â Â Â Â Â Upfront fee due $ 500 Â Â Â Â Â Amount payable per product candidate for rare, monogenic disorders Â Â Â Â 16,500 Â Â Amount payable per product candidate arising from the exploratory program for large CNS indications Â Â Â Â 39,000 Â Â Sales milestone payments Â Â Â Â $ 55,000 Â Â Amended and restated agreement with Penn | Minimum Â Â Â Â Â Â Â Collaborative Arrangement and Arrangement Other than Collaborative [Line Items] Â Â Â Â Â Â Â Collaboration agreement, tiered transaction fee percent Â Â Â Â 1.00% Â Â Amended and restated agreement with Penn | Maximum Â Â Â Â Â Â Â Collaborative Arrangement and Arrangement Other than Collaborative [Line Items] Â Â Â Â Â Â Â Collaboration agreement, tiered transaction fee percent Â Â Â Â 2.00% Â Â X - DefinitionAmount accrued for payments related to collaboration agreement + ReferencesNo definition available. + Details Name: pasg_CollaborationAgreementAccruedPayments Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionThe amount of aggregate payments required to be made under collaboration agreement. + ReferencesNo definition available. + Details Name: pasg_CollaborationAgreementAggregatePayments Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe amount of payable per product candidate for large CNS indications upon achievement of specific development milestone payment on collaboration and license agreement. + ReferencesNo definition available. + Details Name: pasg_CollaborationAgreementAmountPayablePerProductCandidateForLargeCnsIndicationsUponAchievementOfSpecificDevelopmentMilestone Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionThe amount of payable per product candidate for rare monogenic disorders upon achievement of specific

development milestone payment on collaboration and license agreement. + ReferencesNo definition available. + Details Name: pasg_CollaborationAgreementAmountPayablePerProductCandidateForRareMonogenicDisordersUponAchievementOfSpecificDevelopmentMilestone Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionRepresents the amount of annual fee payable during the period under the collaboration agreement. + ReferencesNo definition available. + Details Name: pasg_CollaborationAgreementAnnualFeePayable Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionRepresents the term of annual fee payable during the period under the collaboration agreement. + ReferencesNo definition available. + Details Name: pasg_CollaborationAgreementAnnualFeePayableTerm Namespace Prefix: pasg_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionThe amount of expense recognized on write off of payments made under collaboration agreement. + ReferencesNo definition available. + Details Name: pasg_CollaborationAgreementExpenseOnWriteOff Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe amount of expense recognized on write off of aggregate payments made under collaboration agreement. + ReferencesNo definition available. + Details Name: pasg_CollaborationAgreementExpenseOnWriteOffOfAggregatePayments Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe amount of expense recognized on write off of upfront payments made + ReferencesNo definition available. + Details Name: pasg_CollaborationAgreementExpenseOnWriteOffOfUpfrontPayments Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe period for which the annual fee is payable for the use of clean room suite under the collaboration agreement. + ReferencesNo definition available. + Details Name: pasg_CollaborationAgreementPeriodForWhichAnnualFeeIsPayable Namespace Prefix: pasg_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionCollaboration Agreement Quarterly Fee Payable + ReferencesNo definition available. + Details Name: pasg_CollaborationAgreementQuarterlyFeePayable Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionThe amount of payable on sales milestone payment on collaboration and license agreement. + ReferencesNo definition available. + Details Name: pasg_CollaborationAgreementSalesMilestonePaymentsPayable Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPercentage of tired transaction fee payable under the collaboration agreement. + ReferencesNo definition available. + Details Name: pasg_CollaborationAgreementTieredTransactionFeePayablePercent Namespace Prefix: pasg_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionThe amount of upfront fee due. + ReferencesNo definition available. + Details Name: pasg_CollaborationAgreementUpfrontFee Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionThe amount of upfront fee payable upon clinical candidate designation under the collaboration agreement if the company were to exercise the options. + ReferencesNo definition available. + Details Name: pasg_CollaborationAgreementUpfrontFeePayableUponClinicalCandidateDesignation Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionThe amount of upfront payment made during the period under the collaboration agreement. + ReferencesNo definition available. + Details Name: pasg_CollaborationAgreementUpfrontPaymentMade Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe amount of upfront payments made under collaboration agreements. + ReferencesNo definition available. + Details Name: pasg_CollaborationAgreementUpfrontPayments Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionRepresents the percentage of target annual bonus amounts. + ReferencesNo definition available. + Details Name: pasg_PercentageOfTargetAnnualBonusAmounts Namespace Prefix: pasg_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionThe number of stock issued during period for settlement of litigation. + ReferencesNo definition available. + Details Name: pasg_StockIssuedDuringPeriodSettlementOfLitigation Namespace Prefix: pasg_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionRepresents the term of manufacturing and supply agreement. + ReferencesNo definition available. + Details Name: pasg_TermOfManufacturingAndSupplyAgreement Namespace Prefix: pasg_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 808 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479402/808-10-50-1 + Details Name: us-gaap_CollaborativeArrangementsAndNoncollaborativeArrangementTransactionsLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionMinimum amount to be expended to satisfy the terms of arrangements in which the entity has agreed to expend funds to procure goods or services, excluding long-term purchase commitments or unconditional purchase obligations. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_PurchaseCommitmentRemainingMinimumAmountCommitted Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Details Name: srt_CounterpartyNameAxis=pasg_CatalentMarylandIncMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_IncomeStatementLocationAxis=us-gaap_GeneralAndAdministrativeExpenseMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_TypeOfArrangementAxis=pasg_AmendedAndRestatedResearchCollaborationAndLicenseAgreementWithPennMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_RangeAxis=srt_MinimumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_RangeAxis=srt_MaximumMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 52 R40.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Share-Based Compensation - Equity Incentive Plan & ESPP (Details) 1 Months Ended 6 Months Ended Feb. 28, 2020 USD ($) shares Jan. 31, 2024 shares Jan. 31, 2023 shares Jun. 30, 2024 plan shares Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Â Â Â Â Number of equity incentive plans | plan Â Â Â 3 Number of shares purchased 4,000 Â Â Â Equity Incentive Plan Â Â Â Â Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Â Â Â Â Shares authorized Â Â Â 15,848,867 Shares available for future grant Â Â Â 3,635,337 Shares available for future grant Â Â Â 8,020,105 Period till which there is automatic increase in rights granted under the Plan Â Â Â 10 years Percent of the total number of shares of the Company's common stock outstanding Â Â Â 5.00% Term of award Â Â Â 10 years Vesting period Â Â Â 4 years Additional number of common shares reserved for future issuance Â 2,747,206 2,730,735 Â Equity Inducement Plan 2021 Â Â Â Â Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Â Â Â Â Shares authorized Â Â Â 2,500,000 Shares available for future grant Â Â Â 1,208,175 Term of award Â Â Â 10 years Employee Stock Purchase Plan Â Â Â Â Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Â Â Â Â Shares authorized 1,981,766 Â Â Â Shares available for future grant Â Â Â 1,379,590 Period till which there is automatic increase in rights granted under ESPP 10 years Â Â Â Percentage of common stock outstanding 1.00% Â Â Â Percentage of stock purchase price 85.00% Â Â Â Percentage of maximum employee contribution 15.00% Â Â Â Maximum amount of common stock that can be purchased | $ $ 25,000 Â Â Â X - DefinitionAdditional number of common shares reserved for future issuance. + ReferencesNo definition available. + Details Name: pasg_CommonStockAdditionalCapitalSharesReservedForFutureIssuance Namespace Prefix: pasg_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionRepresents the percentage of total number of shares of the Company's common stock outstanding equal to which shares may be issued under Employee Stock Purchase Plan. + ReferencesNo definition available. + Details Name: pasg_EmployeeStockPurchasePlanIssuancePercentageOfCommonStockOutstanding Namespace Prefix: pasg_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionThe maximum amount of common stock that a participant may accrue rights to purchase for each calendar year in which such right is outstanding. + ReferencesNo definition available. + Details Name: pasg_EmployeeStockPurchasePlanMaximumAmountOfCommonStockThatCanBePurchased Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionRepresents the maximum contribution percentage on eligible compensation by eligible employees under Employee Stock Purchase Plan. + ReferencesNo definition available. + Details Name: pasg_EmployeeStockPurchasePlanMaximumEmployeeContributionPercentage Namespace Prefix: pasg_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionNumber of shares that can be purchased. + ReferencesNo definition available. + Details Name: pasg_EmployeeStockPurchasePlanNumberOfSharesThatCanBePurchased Namespace Prefix: pasg_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionRepresents the period till which there is automatic annual increase in rights granted under the employee stock purchase plan. + ReferencesNo definition available. + Details Name: pasg_EmployeeStockPurchasePlanPeriodTillWhichAutomaticIncreaseInRightsGranted Namespace Prefix: pasg_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionThe stock purchase price percentage on the lower of the fair market value of the Company's common stock on the first or last day of the respective offering period under the ESPP. + ReferencesNo definition available. + Details Name: pasg_EmployeeStockPurchasePlanStockPurchasePricePercentage Namespace Prefix: pasg_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionRepresents the number of equity incentive plans. + ReferencesNo definition available. + Details Name: pasg_NumberOfEquityIncentivePlans Namespace Prefix: pasg_ Data Type: xbrli:integerItemType Balance Type: na Period Type: duration X - DefinitionDuration from date of grant (issuance of an option) to when option auto expires. + ReferencesNo definition available. + Details Name: pasg_ShareBasedCompensationArrangementByShareBasedPaymentAwardTerm Namespace Prefix: pasg_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionRepresents the percentage of outstanding common shares to be taken as automatic annual increase in rights granted under the share based payment arrangement + ReferencesNo definition available. + Details Name: pasg_ShareBasedPaymentArrangementPercentageOfOutstandingCommonSharesAsAutomaticIncrease Namespace Prefix: pasg_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionRepresents the period till which there is automatic annual increase in rights granted under the share based payment arrangement. + ReferencesNo definition available. + Details Name: pasg_ShareBasedPaymentArrangementPeriodTillWhichAutomaticIncreaseInRightsGranted Namespace Prefix: pasg_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionAggregate number of common shares reserved for future issuance. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_CommonStockCapitalSharesReservedForFutureIssuance Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionPeriod over which grantee's right to exercise award under share-based payment arrangement is no longer contingent on satisfaction of service or performance condition, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. Includes, but is not limited to, combination of market, performance or service condition. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardAwardVestingPeriod1 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 35 -Paragraph 1D -Publisher FASB -URI https://asc.fasb.org/1943274/2147480483/718-10-35-1DReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 35 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480483/718-10-35-3Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(iv) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -

Paragraph 2 -Subparagraph (f)(2)(v) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionNumber of shares authorized for issuance under share-based payment arrangement. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardNumberOfSharesAuthorized Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionThe difference between the maximum number of shares (or other type of equity) authorized for issuance under the plan (including the effects of amendments and adjustments), and the sum of: 1) the number of shares (or other type of equity) already issued upon exercise of options or other equity-based awards under the plan; and 2) shares (or other type of equity) reserved for issuance on granting of outstanding awards, net of cancellations and forfeitures, if applicable. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 10 -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardNumberOfSharesAvailableForGrant Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - Details Name: us-gaap_PlanNameAxis=pasg_EquityIncentivePlanMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PlanNameAxis=pasg_EquityInducementPlan2021Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PlanNameAxis=pasg_EmployeeStockPurchasePlanMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 53 R41.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Share-Based Compensation - Share-based compensation expense (Details) - USD ($) $ in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Â Â Â Â Share-based compensation expense $ 1,578 $ 3,743 $ 3,173 $ 6,527 Research and development Â Â Â Â Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Â Â Â Â Share-based compensation expense 725 1,731 1,543 3,359 General and administrative Â Â Â Â Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Â Â Â Â Share-based compensation expense $ 853 $ 2,012 $ 1,630 $ 3,168 X - DefinitionAmount of expense for award under share-based payment arrangement. Excludes amount capitalized. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 14.F) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479830/718-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (h)(1)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_AllocatedShareBasedCompensationExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 35 -Paragraph 1D -Publisher FASB -URI https://asc.fasb.org/1943274/2147480483/718-10-35-1DReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 35 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480483/718-10-35-3Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(iv) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(v) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_IncomeStatementLocationAxis=us-gaap_ResearchAndDevelopmentExpenseMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_IncomeStatementLocationAxis=us-gaap_GeneralAndAdministrativeExpenseMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 54 R42.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Share-Based Compensation - Stock Option Activity (Details) - USD ($) $ / shares in Units, $ in Millions 6 Months Ended 12 Months Ended Jun. 30, 2024 Jun. 30, 2023 Dec. 31, 2023 Number of shares Â Â Â Outstanding, Beginning of period 9,290,308 Â Â Granted 4,359,307 Â Â Exercised (31,925) Â Â Forfeited (1,169,388) Â Â Outstanding, Ending of period 12,448,302 Â 9,290,308 Vested and exercisable at June 30, 2024 5,774,514 Â Â Vested or expected to vest at June 30, 2024 12,448,302 Â Â Weighted average exercise price per share Â Â Â Outstanding, Beginning of period $ 5.63 Â Â Granted 1.43 Â Â Exercised 1.08 Â Â Forfeited 6.80 Â Â Outstanding, Ending of period 4.06 Â $ 5.63 Vested and exercisable at June 30, 2024 6.67 Â Â Vested or expected to vest at June 30, 2024 $ 4.06 Â Â Weighted average remaining contractual term (years) Â Â Â Outstanding 8 years 3 months 18 days Â 8 years Vested and exercisable at June 30, 2024 7 years 2 months 12 days Â Â Vested or expected to vest at June 30, 2024 8 years 3 months 18 days Â Â Weighted average grant date fair value of options granted $ 1.08 $ 0.83 Â Unrecognized compensation expense related to unvested stock option awards $ 8.8 Â Â Weighted average period for recognition 2 years 3 months 18 days Â Â X - DefinitionWeighted-average period over which cost not yet recognized is expected to be recognized for award under share-based payment arrangement, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedPeriodForRecognition1 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionAmount of cost to be recognized for option under share-based payment arrangement. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedStockOptions Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsAdditionalDisclosuresAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe number of shares into which fully or partially vested stock options outstanding as of the balance sheet date can be currently converted under the option plan. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsExercisableNumber Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionThe weighted-average price as of the balance sheet date at which grantees can acquire the shares reserved for issuance on vested portions of options outstanding and currently exercisable under the stock option plan. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsExercisableWeightedAverageExercisePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionThe number of shares under options that were cancelled during the reporting period as a result of occurrence of a terminating event specified in contractual agreements pertaining to the stock option plan. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsForfeituresInPeriod Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionGross number of share options (or share units) granted during the period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsGrantsInPeriodGross Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionThe weighted average grant-date fair value of options granted during the reporting period as calculated by applying the disclosed option pricing methodology. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsGrantsInPeriodWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionNumber of options outstanding, including both vested and non-vested options. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingNumber Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionA roll forward is a reconciliation of a concept from the beginning of a period to the end of a period. + ReferencesNo definition available. + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingRollForward Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionWeighted average price at which grantees can acquire the shares reserved for issuance under the stock option plan. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingWeightedAverageExercisePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingWeightedAverageExercisePriceRollforward Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionNumber of fully vested and expected to vest options outstanding that can be converted into shares under option plan. Includes, but is not limited to, unvested options for which requisite service period has not been rendered but that are expected to vest based on achievement of performance condition, if forfeitures are recognized when they occur. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsVestedAndExpectedToVestOutstandingNumber Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionWeighted-average exercise price, at which grantee can acquire shares reserved for issuance, for fully vested and expected to vest options outstanding. Includes, but is not limited to, unvested options for which requisite service period has not been rendered but that are expected to vest based on achievement of performance

condition, if forfeitures are recognized when they occur. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsVestedAndExpectedToVestOutstandingWeightedAverageExercisePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionWeighted average price at which option holders acquired shares when converting their stock options into shares. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsExercisesInPeriodWeightedAverageExercisePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionWeighted average price at which grantees could have acquired the underlying shares with respect to stock options that were terminated. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsForfeituresInPeriodWeightedAverageExercisePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionWeighted average per share amount at which grantees can acquire shares of common stock by exercise of options. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsGrantsInPeriodWeightedAverageExercisePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionWeighted average remaining contractual term for vested portions of options outstanding and currently exercisable or convertible, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 10 -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsExercisableWeightedAverageRemainingContractualTerm1 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionWeighted average remaining contractual term for option awards outstanding, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 718 -SubTopic 10 -Subparagraph (e)(1) -Name Accounting Standards Codification -Paragraph 2 -Section 50 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsOutstandingWeightedAverageRemainingContractualTerm2 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionWeighted average remaining contractual term for fully vested and expected to vest options outstanding, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. Includes, but is not limited to, unvested options for which requisite service period has not been rendered but that are expected to vest based on achievement of performance condition, if forfeitures are recognized when they occur. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsVestedAndExpectedToVestOutstandingWeightedAverageRemainingContractualTerm1 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionNumber of share options (or share units) exercised during the current period. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockIssuedDuringPeriodSharesStockOptionsExercised Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration XML 55 R43.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Share-Based Compensation - Assumptions Used in Determining Fair Value & Early exercise of Stock Options (Details) - Employee Stock Option 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Share-based Compensation Arrangement by Share-based Payment Award, Fair Value Assumptions and Methodology [Abstract] Â Â Expected volatility 88.40% 92.50% Risk-free interest rate 4.30% 3.60% Expected term 6 years 6 years X - ReferencesNo definition available. + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardFairValueAssumptionsAndMethodologyAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe estimated measure of the percentage by which a share price is expected to fluctuate during a period. Volatility also may be defined as a probability-weighted measure of the dispersion of returns about the mean. The volatility of a share price is the standard deviation of the continuously compounded rates of return on the share over a specified period. That is the same as the standard deviation of the differences in the natural logarithms of the stock prices plus dividends, if any, over the period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardFairValueAssumptionsExpectedVolatilityRate Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionThe risk-free interest rate assumption that is used in valuing an option on its own shares. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(iv) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardFairValueAssumptionsRiskFreeInterestRate Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionExpected term of award under share-based payment arrangement, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardFairValueAssumptionsExpectedTerm1 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_AwardTypeAxis=us-gaap_EmployeeStockOptionMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 56 R44.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Share-Based Compensation - Restricted Stock Units (Details) - USD ($) $ / shares in Units, $ in Millions 6 Months Ended Jun. 30, 2024 Dec. 31, 2023 Weighted average grant date fair value Â Â Weighted average period for recognition 2 years 3 months 18 days Â Unvested restricted stock units Â Â Number of shares Â Â Unvested balance, Beginning 927,000 Â Granted 147,500 Â Vested (680,166) Â Forfeited (41,667) Â Unvested balance, Ending 352,667 Â Weighted average grant date fair value Â Â Unvested balance, Weighted average grant date fair value, Beginning $ 2.37 $ 2.37 Granted, Weighted average grant date fair value 1.29 Â Vested, Weighted average grant date fair value 2.13 Â Forfeited, Weighted average grant date fair value 2.48 Â Unvested balance, Weighted average grant date fair value, Ending $ 2.37 Â Total unrecognized expense $ 0.5 Â Weighted average period for recognition 7 months 6 days Â X - DefinitionWeighted-average period over which cost not yet recognized is expected to be recognized for award under share-based payment arrangement, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedPeriodForRecognition1 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionAmount of cost to be recognized for nonvested award under share-based payment arrangement. Excludes share and unit options. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedShareBasedAwardsOtherThanOptions Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionThe number of equity-based payment instruments, excluding stock (or unit) options, that were forfeited during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeitedInPeriod Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionWeighted average fair value as of the grant date of equity-based award plans other than stock (unit) option plans that were not exercised or put into effect as a result of the occurrence of a terminating event. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeituresWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe number of grants made during the period on other than stock (or unit) option plans (for example, phantom stock or unit plan, stock or unit appreciation rights plan, performance target plan). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsGrantsInPeriod Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionThe weighted average fair value at grant date for nonvested equity-based awards issued during the period on other than stock (or unit) option plans (for example, phantom stock or unit plan, stock or unit appreciation rights plan, performance target plan). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsGrantsInPeriodWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe number of non-vested equity-based payment instruments, excluding stock (or unit) options, that validly exist and are outstanding as of the balance sheet date. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedNumber Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionPer share or unit weighted-average fair value of nonvested award under share-based payment arrangement. Excludes share and unit options. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionThe number of equity-based payment instruments, excluding stock (or unit) options, that vested during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriod Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionThe weighted average fair value as of grant date pertaining to an equity-based award plan other than a stock (or unit) option plan for which the grantee gained the right during the reporting period, by satisfying service and performance requirements, to receive or retain shares or units, other instruments, or cash in accordance with the terms of the arrangement. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriodWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionA roll forward is a reconciliation of a concept from the beginning of a period to the end of a period. + ReferencesNo definition available. + Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsNonvestedNumberOfSharesRollForward Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_ShareBasedCompensationArrangementBySharebasedPaymentAwardOptionsNonvestedWeightedAverageGrantDateFairValueAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_AwardTypeAxis=us-gaap_RestrictedStockUnitsRSUMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 57 R45.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Subsequent Events (Details) - Subsequent Events - Arrangement With Gemma Biotherapeutics Inc $ in Millions Jul. 31, 2024 USD ($) Program Subsequent Events Â Upfront license fee receivable $ 10 Amount receivable upon seriesA financing 10 Maximum additional amount in development and commercial milestone payments receivable $ 114 Grant of options to conduct new research programs in number of new central nervous system indications | Program 4 X - DefinitionAmount receivable by the entity upon successful series A financing. + ReferencesNo definition available. + Details Name: pasg_AmountReceivableUponSeriesaFinancing Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionRepresents the grant of options to conduct new research programs in number of new CNS indications. + ReferencesNo definition available. + Details Name: pasg_GrantOfOptionsToConductNewResearchProgramsInNumberOfNewCentralNervousSystemIndications Namespace Prefix: pasg_ Data Type: xbrli:integerItemType Balance Type: na Period Type: instant X - DefinitionThe maximum additional amount in development and commercial milestone payments receivable. + ReferencesNo definition available. + Details Name: pasg_MaximumAdditionalAmountInDevelopmentAndCommercialMilestonePaymentsReceivable Namespace Prefix: pasg_ Data Type:

xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of upfront license fee that is receivable under the license arrangement. + ReferencesNo definition available. + Details Name: pasg_UpfrontLicenseFeeReceivable Namespace Prefix: pasg_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionDetail information of subsequent event by type. User is expected to use existing line items from elsewhere in the taxonomy as the primary line items for this disclosure, which is further associated with dimension and member elements pertaining to a subsequent event. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481674/830-30-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 855 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483399/855-10-50-2 + Details Name: us-gaap_SubsequentEventLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: duration X - Details Name: us-gaap_SubsequentEventTypeAxis=us-gaap_SubsequentEventMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_TypeOfArrangementAxis=pasg_ArrangementWithGemmaBiotherapeuticsIncMember Type: Period Type: EXCEL 58 Financial_Report.xlsx IDEA: XBRL DOCUMENT begin 644 Financial_Report.xlsx M4$L#!!0 (/ Y"%'D'04UB@0 +$ 0 9&]C4')O<',O87!P+GAM M;$/V./0L",1!$_\IQO;=!P4)B0-!2L+(/>QLOD&1#LD)^OCG!CVX>;QA&WPIG M*N*1#BV&5(C(I(/ !47BK9.7:=N')=HI6-Y #OGDK7A.YNJQ<&4GPZ4A!0W_J=0U[R;UEA_6\#MI7E!+ P04 M " #P.0A9DC%,O.X K @ $0 &1O8U!R;W!S+V-O&ULS9+! M2L0P$(9?17)OI^FJ2.CFHGA2$%Q0O(5D=C=LDX9DI-VW-XV[740?0,@E,W^^ M^0;2Z2#T$'$#@$C64Q7D^M]$CJLV9XH("[D^A4JG/"Y^9VB$Y1U58=!*4/ M:H?0-LTM."1E%"F8@558B$QV1@L=4=$03WBC%WSXC'V!&0W8HT-/"7C-@621A^_1S80RY8-[9)-NIL\!"SI^\Y%1^?H.'GS[BYBZ(:(E//X M8B-DOV]:[MR_>X%#BVR]*+ M41B1%G\@M MNN01.+5)#3(3/PB=AIAJ4!P"I DQEJ&&^+3&K!'@$WVWO@C(WXV(]ZMOFCU7 MH5A)VH3X$$8:XIQSYG/1;/L'I4;1]E6\W*.76!4!EQC?-*HU+,76>)7 \:V< M/!T3$LV4"P9!AI@S M&L%&KQMUAVC2/'K^!?F<-0HACA*FNVB<5@$_9Y>PTG!Z(++9OVX?H)5,VPLCO='U!=*Y \FIS_I,C0' MHYI9";V$5FJ?]H,@H%\;D>/N5Z> HWEL:\4*Z">P'_T=HWPJOX@L Y M?RY]SZ7ON?0]H=*W-R-]9\'3BUO>1FY;Q/NN,=K7-"XH8U=RSTS0LS0[=R2^JVE+ZU)CA* M]+',<$X>RPP[9SR2';9WH!TU^_9==N0CI3!3ET.X&D*^ VVZG=PZ.)Z8D;D* MTU*0\/YZ<5X&N(YV02Y?9A7;>?8T='[Y\%1L*/O/)8=QXCRHB'NH8:8S\-# MAWE[7YAGE<90-!1M;*PD+$:W8+C7\2P4X&1@+: '@Z]1 O)256 Q6\8#*Y"B M?$R,1>APYY=<7^/1DN/;IF6U;]\I=QEM(E(YPFF8$V>KRMYEL<%5'<]56_*P MOFH]M!5.S_Y9KF4Q9Z;RWRT,"2Q;B%D2XDU=[=7GFYRN>B)V^I=W MP6#R_7#)1P_E.^=?]%U#KG[VW>/Z;I,[2$R<><41 71% B.5' 86%S+D4.Z2 MD 83 >LX=SFWJXPD6L_UC6'ODRWSEPVSK> U[F M$RQ#I'[!?8]*@!&K8KZZKT_Y)9P[M'OQ@2"; -;;I/;=X Q\U*M:I60K$3]+ M!WP?D@9CC%OT-9^/%&*MIK&MQMHQ#'F 6/,,H68XWX=%FAHSU8NL.8T*;T'5 M0.4_VJ0-:/8--!R1!5XQF;8VH^1."CS<_N\-L,+$'CN'MB[\!4$L#!!0 (M / Y'"%FL(:BL^04 +P@ 8 >&PO=V]R:W-H965T&UL MM9IK4^,V%(;_BB:=Z;0SA%@RN; -F0D!MK0+FR6TG>TW82NQ!]O*RC*!?]\C M.[&SC'SB>C9?B&_GM1Y)EEX=,=Y(]9P&D[=)>M$)M%Y_Z/52+Q Q3T_E M6B1P9RE5S#6-A(1?!!;GX76Z^"T?-DE.9 MR:9X]NRL0[PLU3+>!D,)XC !?OGKMB+V EQ:$\"V >Q= *U[@[L-<'/0HF0Y MUA77?#)61K4S$%>-WDTT(2):<:%5G WA#@]N9)>'JVB"4]\-*"Q6]D0>QEDK;\' IK3);IIM2'1 ML): HQ)PA!9J.]+Q]8^BNO,>9J"'"2&7MY]/8%#V3FV@J$1+4.I4\Z[3!!4*)Q5TSWS. M."$+#=\DD8K,9)9H]0:_OI7_@/K5M8T8#VJ+O&"VO*SB94UXI[X/ZNG)[H!\@N?(Y\3>KK@D1$&7 MB&.A/$$6WV"JL@Y0N$!;\,H94=1\X."/&VD%QR5A6=(G=UP]P\H&KH/=/2'N MN0[(322EK>?,<,&V=5 Y(I[G/=U,#-G\&$_RHW5&QZ0FP=AQ'T1K8.WDF/ MX9UH99XH;GG>TY;CV%S)ES#Q["T=UYQ/K:#'<%&TLE$4=S_O0>$[]>+]ZEUG8T'MB6L?!%KY(MFF5)FI58L MS_*FA%DCLZ::#BA^M2:H9GA46\[*!K%&-N@VT4(5Z4JSY.8[<"LGKEC'>0RK MPRJKPQI9';,DA84+3/PKJ:P#S@&=>YETN><)D $1OQ"T\A[#[+#*[+!&9F<1 M\R@BEUD*MU-[KVV7)\+#VN)5%H[OB@K6< MQS XK#(X#/BX71K9R.VRA5-(,Y0X%WO4U\\4K^%-9F/"#E. X=CDS&Q+JE< SGXU;. MQ\4-R\X0W(2I\>A?!5=EQO>>X\0CVX)6![C%[4J9I-XGO8&+UEGD M@%A=%AX/:\NXMSN&6Y7WC-M]AWI*7.X+LS(>P_BXE?%Q<<,R!4"_@(RX=8PY M(%[JN)Q_Q>LM[< _;&;U?-L\)9{),1=;Q>75=!0 61< !@ !X;"]W;W)KYJL5#) MEN5478H=*^#-1LB<:KB5#PNUDXRFE5*>+8CC!(N<\F*V6E;/;N5J*4J=\8+= M2J3*/*?RY89EXNEZAF<_'GSA#UMM'BQ6RQU]8'=,?]O=2KA;-%92GK-"<5$@ MR3;7LP_X:DU"HU!)_,W9D^I<(^/*O1"/YN;/]'KF&$0L8XDV)BC\[-F:99FQ M!#B^UT9GS3>-8O?ZA_7?*^?!F7NJV%ID_!4;Z]GT0RE;$/+3'\13W^PVB'? MV$M$IJK_Z*F6=68H*946>:T,"')>"![I[MC^CMFW?H#>(%^KH5I:)%J18+#1\S*HND-GQS,$Q&#/]5%I?(=>:(.,2S]*^G MU3^R!-1QI>X>JR_ Q<9/TOA)*GONB+UU*24K-*)*@9]7-G\.!CR[9-.5VI' M$W8]@WQ13.[9;/7K+SAPWMN\>R5C1[ZZC:_NE/75FJHM@E5#B;E@WTN^IQDX M;UW%@ZF@,F5R?K\B7A@ZR\6^ZXY%"H=.W$@=X?0:G-XDSD]4/C)-[S.&%$M* MR35G5HP',W[GZT'H.&X/XU J)G[DVS'Z#49_$N.M9#O*4\2>H7 JIJJX"KUE M$K*SNZ5LN/T!(NS&80_V4"@FKAUTT(.S@)MMA:5R6$SI&P/17L')5C;L 9# MK)';WP9#(1)ZQ XV:,"&DV"_"DVS,X(9#N/D.TX?X5 *XS#V1W9JU&",3@04 M>%/JERJ0)J&J,,Y1P:RQC"SK[OA>#ZI%RB?QR'Z-&Z3Q)-**AY'8H%*Q.IA0 MU UZJGGQ@#(&G&>-;SR$$T2$]$'!;I?S(#AH[+0LYD[_5QDUOOBU>O>[/@YZ MV"Q"GCN22KA#D/B,_3D!#0]#0GPWD[D?.)N?#KAA9<-PR&SZ/VC).[WE6%5$K MO^%7);C7LG;L=$MQ>)KC/B2)*('2T(Z^& :Q.NP.>8/@_K(,Å3")QS9T2VUX MFML GRS9)&]TULN*?LAGD1/T2<\BA7'0K>]C "WMX6G>^WQ<,4Z";*8&SJ# M6%NDW' L0UNVP]-T=\P@IY!:B(ZXG3:AAFH1"UP/CV!MRO9J!U]$7*%.%Z*H MW;!"'Y(;(9[?IT"K6$S&H+<X@O!:QF 0CK01NV0]/ MT]]:Y#G7AIP/&9>(P@2;%8D)\-M":(;B=U;@DX;M]0Q9"^/_-W0\X;0D2IQ) M(KC3(GGN-<0E^(@1DD@L&G9%<(.W-X9/Z0VE)IRG&IMT+R?UGZ'K+NQU.NE"G:5:TN MM=)P85*5:G0/M1O!3,N:F;;2@C&5Y?=0U.VC:AWN20=^8FN]@']C('>FYTDZ MK_)*%!,1=IW)$ =X'OK>/(R"TZ$>1ADT8\^;0Q-]6ON\%2'#SJ!7H2PB(YT: M:9L6\X5%4KQF%C$N(PC*(^4(N2'G"_ *4KJM@(=M M2>SX_B"HENX%8Q*-Q;5M7\@YPWJW:3$I>#;Z<'",9!V5;'*V46G1.?76Y911@&P%XOQ'0(-0WYG2U M.4U?_0=02P,$% @ \#D(62=@\67, @Z@D !@ !X;"]W;W)K8PQFNA'R064 &CWFC*N9DVE=7+FN M2C+(B1J(K@YLQ0)ITY,Y3P.W=)5I.^#&TX*LX [TMV(A3<]M75*: U=4<"1A.7,^ M>%=$#UM!5?&=PD9MM9&-] MIA5NMY_QCLMS5EJ=#J^)HSP!-"==5#H8D$D<)V!I@EA;]$[]!JY M2&5F5$U=;2YH96[2F%_7YOX>\R\E'Z 7R(?^V&/?'Y8?@.)D7N5/.C*71.S MS>JW6?W*+S@I:U^<6A_VZ^T3=:4*DL#,,8^,KD&)W[SRAOB]WWA_I-9)VK0 M1@T.N<+\S" E) BLX*2ATM4$(G6A)6 +BA'J6",2(4^D/7-?=LW& 4E1M4E M[.M@'>,!QMB;NNOMG$?+.@G"-D%X7H)Z$2)2ZDQ(^AO2/N3:,]IB\7#]>P9] M0F$'.VJQHQ=A4Z7*?N1HA^0YZZ&*#N2PA1R^"-*\YI4F/*5\U4M)2 M3\ZGWK^)SL<0V\4A:/Q\!GP;F$43L+0"_;P>OCO(H):/)SZRFAO+$[A[*O> MNUL;I?T*^DKDBG*%&"R-%]&QD/6'Q9U1XNBVIOOA38[?=7,S,<82%M@SB^% MT$\=N]VWGW?Q'U!+ P04 " #P.0A96/]@&RL% R%P & 'AL+W=O M MBI&52KFZM6TQ3VE!Q U;T5+]LF"\(%+=\J4M5IR2I HJ%8!U2(OS*Z%7O72$MY9NQ%WWQ*1I:CWXCF=*U M!5' -G1"\UPSJ??XNR&UVC%UX/[U&_O/E7@EYID(.F'!YUR1ZP&*!PYPFP#7 M#/"/!'A-@'2J"'X3X)Z0M $5-+M6GMEW)1(,AYRMD5$2?4!9B?Y,V5HHJ!C4KV-YK3GS^G M_?%A3[RM7&BM<-^LN'-["7];ES?(>%5?-X1OB83RB6BKZHH"2INH2FN27R81!>Y6[$BR5 *E8D8SK>=5U.&?E\CI7>I5^(:@$RVO8>0_?BPW9O8.^=TF=,.#L3 ,> M>!BU'D:]'E8;U(*S K%V'X.,BSHZKM4"B$SO)@;>+$!FP(P+_!=TQ@ %F*5 M.'#:Q*WDN%?R%YE2KC;B.2LHNFA*]>45*BE8'V(@P>/(T V L\U5'=!;N2& MAN8NR'.B"%8\!4/>A7_H9KG7$TT)&_0*4;7.!@,L"$0@+E>'!AO/P5G4GALY MAA,S !;$>.#,K&S:\RKXQ/RCVT:N=&%6NU]@KUR:-:]?G+E?YJR>;@+-7<\7ZB.#?FIG M,-_#P]CUH\ T MI8L,_##V8AR9O@#(>! /"A"*[]$ M:GD6A+]029YSB@2=KWDF,PI[TFUL7=..+L1L.J< YMK\))T!H-]5K]W+33N M[Z&[*Q#4&8-S'P],L0#.]:)P8 H&V> !>7+ZO!5J&J[M+F5][-,^;0]X/U;'FL;S.WP[P<#SJ3X0KLX<=_3U:?)GPI=9*5!.%VHHYR92 M$\3K]KZ1K)5=0+YS*1D17694]0K@'J]P5C\NU&#] >DX__ U!+ P04 M" #P.0A9(&3KX1D* !96P & 'AL+W=OI[5R>2_+PDKJ'I"X>JOIKLQ:B#;YMS%=OMV-FNR MM=BDS9MJ*TKYE]NJWJ2M_%K?S9IM+=)57VA3S' 81K--FI>3JXO^MX_UU46U M:XN\%'_KH-EM-FG]_;THJH?+"9K\^.&/ &[===C_,KBZVZ9VX$>WG[<=:?IL= M4%;Y1I1-7I5!+6XO)^_06\Y(5Z"W^#,7#\W1YZ!KRI>J^MI]^7UU.0F[&HE" M9&'TV(=H7B/J^?^RL MOJ>7:9M>7=350U!WUA*M^]#3U9>6'9R7WBCJO M5MW/2Y&]"0CZ-< AQBY:'QU$O8-NKKJ_8A>S^V/J;(MH06-"=+.E;39=1)%N ME#B,Z +3T+#CMAT.$3F"TL]+'+J+/*>[7LEAUZS36C2OS^JZ1V?LN.MHA&BT M"(T>]-;J6V#>-MLT$Y<3.4P;4=+R=4__X&B\-^NT0\)ED"'<2 PC5IZH);V MZ.3D9'<\O8E^>G-Q1@$;? T)MH0$2R#!.!"8QBL{,J\(9M$W66-Z(+TWYQ M":IMMU(T@5RG@GO1M/L8EJ[;.L^Z:?G1;E?FJLX MEF=(L 02C .!:3Q'!YXC+\^_-\VNGYL[GGN^N@>2K"K+_7/J0]ZN ['9%M5W M(?84;W=UMI;/GL%6SNLN>KT^QT9[9(V5^<)8 R']9)W%MYC;'XP%C\PHP- M!6=LU1F%H7Q8,*+36\VQT0D)ED""<2 PC>OY@>NYE^O/I4QMB_Q_"%EZ';KHHFG9Y^*I/=V2ND_9!*+YUGX6+$2_B6$86=IL8CHW!$=)C @&& M!ZJO<8)"E8'"7E;^*]@BQ1G.NTM.K;[0=&6H&C)'NVXY/CBLOY!H M"2@:AT+3N54*"]J6!") _I#6!]G#S2H9C@A;&HD6,4/F@N"PFU)SV4A<5@Q' M,;5F$-L0Q2%AZ$1$*'$!>7/A'"#+CO@9%6X*B):!H' I-IU>I"\@O+[RPC(3L]!K-;1W)7\G1=(.J M#:!H' I-IUM)$^BEM0DGRY#Y_#6RY0U+3P+UF("B<7_]=>*4SH#\0L/+BTK(MSKZ=JI*_HJ-C%1(M 47C4&@ZY4JY0'[I D!,\GL8'9B0:$MD2PMSZP$75,OP M>]3WF964@?U2QE,$)C_D6%JP+0^0F%J[T*#2!2@:'VJ!3HV2-[!?WO"I3/ZB MHRF 1%N"HB78(9M@,F?6R8)!.YV&HZ,83U1-SE%*!QM'&PQQ:DR.>P<*I/+ MRJDR.0Q]*A-62@0^6XEXGLJ$7>-0:#K#2H7 ?A7"MT0&$&A$/\".G\9$"H+![[L_AS5XCAKK-3 MU4CVBVR*U8.@APE T1)0- Z%IG.K$GWL3_0A5HCY\ IA)_ON%<*VVE;W=[*$)?!GE5-ZTSTB7U, 1E!3.S,=QY3PVKI;\%H]B#1N+L%^,2E)6Y M$W_F#L.*FGZ=NC.Q\VB9;'?_F32!'H4 14M T3@4FD[[T640OP#QS#U!)\F0 M2?PUL84-8C[*@WI,0-&XO_XZ:TI:('YIX85WC!#%"T!!2- M0Z'I?"M5A/A5D9?9RO4[!VH#]DE-,55!8!1>/^^NO$*;&#O/2-CL%8M86' MQ9Q%9A+HK^?H4 4]=0&*QJ'0=,:57D\>@W 3J[?P^BX!%5SB*TB3;%Q!#$! M=V%^+67I^SE^B%'$V,K) 3%YEXNJ,\$%(T/M4"G1BD\Q*_P^/9R M_45'4PJZ8"B)<06IJ8QRVA+9A_.TNL9)AJ/^TP[E[N4ZU>8_M$^JI?1(@ M1G$\-Y3$I<-N&IFG1YQ&6.*96[D.PT7(V(FS(52I&O2)]L.[GNGK/S^PC% MC,9SGJP-!3R* HB6@:!P*3>=6:2/TN6^8&-Q]H8X72)AT.LXVN#:N'';VQI73 MR+5QY3#T;5Q1I2Q0R/=,#'>@XS:%>_O*7Z_180&J+8"B<2@TG>&CMTU0$)V> M0J;BUZ!H2U"T!!2-0Z'1]"K1@;[H6R><(P%4<:"\9=8DR6HX@"*QOWUUUE3 MB@/[J9<\J"TW4$K-->K:7\G100HJ-X"B<2@TG6XE-]"?<ULW.7,NBOY^A0!94K0-$X%)K.N)(UZ(O?\?![M&!V7H.H'M74(;"8EH*=4O[U]VPIS8/!W_#P0XXEA=GZ!&*QJ8F ^DQ T?A0 M"W1JE,#"GG[#PU]T- 6@N@HH6L(<-S<06YA;LWS83J=!:2$,YH:',XEGPRJ(MP\2I"CKL;%70:>12!1V&'E60*1&$P=_O<2_YPJH+^&HT>O:#R!R@:AT[MY'9V])+A[J73']+Z+I=I4R%N)7SX)I9]7S^^Q_GQ2UMM^_<.?ZG:MMKT']**7[E7&A[=I7_T?4$L#!!0 (/ Y"%G#4C8^[08 !0? M 8 >&PO=V]R:W-H965T&ULK5G;9IM.DGCAIGV$2DMB0! . ON3KNP!I42) ^!*]V"2U6)ZS"^P> M BBX93DNM! M53G'GA?/*U+4L^6)?G;!ER>LE651TPN.1%M5A-^]I26[.9WYL_L'GXOU1JH' M\^5)0];TDLJOS06'N_G62UY4M:!8%JQ&GJ]/9F7]\'H1J@+;XIZ W8N<:*2I7 MC'U3-Q_RTYFG$-&29E*Y(/#OFI[3LE2> ,? WWNEL^TXUDLG:&#P@G!@3]@$ 3[9!I6N^(),L3SFX05];@35WHV.C1 MP*:H51HO)8=?"Q@GEY>22 IID0*Q%3HG8H/>0VH%.D)?+]^AER]>H1>HJ-&7 M#6L%J7-Q,I? P6C5XGO6O>-N] D^\(D8?62TW OU>YS3?S\'N%O,^![S6^QT M^&=;OT&!]QIA#X<6/.>/'QXXX 3;$;:7S#A3P=MI8/6"IJK:,$JXT06];J; MIH4LJ#BV1:[S'-H]JR5\+!J2T=,9K%%!^36=+7_IQ8^]WVRT#^1L+PCA-@BA MR_OR$U281:F_'+=F>\'B+;#(F9VS M_#]81=T,EPPJ3\;JK"@IJGO$ZJFZSE0:&\ZN"YBEZ.H.O>RS^>KQZ8P.F;@BGJI#G*&,5=#@-TR0LJ.D%HF\TYSH][9HU)*SP7;Z?NH:61CTPCBP ML_.]H25Z3GX? JH847.%7S$I6KX]*T!JP"(2@TMX!/1-(D(YRX7[M,U>TO]/I M?7>?VI!Z3<6H/VE*.FME0:Z*X/E+E#>=L/!AZ"@9TYON 4D@Q3]5:5 M#-I%@,D-Y:"Z.%>Y[T+S>N<71_ZQN9;HT^P\20.U6OK?@B\\UQ8N"S M6:5X N+0OWUW P> O*7.^?U0>,UN?13$9GQ-,^Q'4W-ZZ.J^NZU_>KHBLY(P MVSEH3R^.QBQL=HLHC29X#)W?3Q_[<6!G4M375#Q&6_I.C?'D\GL@;_MA&12$ M[Y80%RW4*:+F)90!J^RQAL!L]T>1EV(CFQ:[)(AP:L\F'I0!=BN#2U(JR!P@ MRQ[GDPA@4R8DB8_#$7Z+F>^E:3A1>?$@ ;"SJ^Z'_?&2S>WUJ5.O][9?M_%$ M2<9#1\?NCOY Q;"M,RM7LT?C&"\6XQ396KF?3GS,X*&7XT=O)MAYK(J:P ?L MP_4"'W1OX5#>]L,R2 ;LE@P7G&64Y@*M.*M0(40+0:!J%L-'7P7?(D*R[!MJ MZQP:"0Y=/;E(WI/,M7?[OO7E+)EJQ7E*G09$W8=ATVUD";A6!>YP3XW&(/X MP&[QL1\,Q9;>4IX50@>DBP1KU,>FG:.I.)Q!74C>"[#0;U@MWHQ&3Z0/-Z_ ML%@=A8$_H2_Q($"P6X"<3T%%1*(KNB[J6F5!M4DH&2RW,C!E!O83SV@5IED0 MQIYOIQ ,8B1PBQ$G!:KDO@M\8&H,'";)>!%8S (/+Z; #THD<&]&7+9-4^J# M!U+J/;"2B9;KY5VS6C/:Z=A YM%]+SBH6#F4M_TP#:(F<(N:KS6LKK+X >5A M36"%O50[UJ\F]PJM\;!L31B*LS?:W7R/\828"78.1MP;$[8/?;4!OZXUH[8! M'JJXJX).H;C?;[F)]DKO %CIF'L21R$>=V@WL.>F;9 K@5NN_#V]D_'S 3#/ M22S\#ZI0YCOGBQ7E:WWL*I#> NF.[;9/MT>[9_I <_3\K7]WAW0#FZZ*/ MA$/-%*1"O%;CTWB208-X=P78WDC7Z%/.*2&PO=V]R:W-H965T M&ULI551;]LX#/XKA ?LR8T=-VN++@FPM-?>!FP7=-GN6;$8 M6Y@L^20YF?_J2#E)4Z +#MA+8DKBQX\? 16JZL^Z'KQ$#_&RT\;.D#J&]S3)? MUM@(/[(M&MK96->(0*:K,M\Z%#(Z-3HK\OPJ:X0RR7P:UY9N/K5=T,K@TH'O MFD:X?H':[F;).#DL/*FJ#KR0S:>MJ/ KAF_MTI&5'5&D:M!X90TXW,R22^/; MQ83/QP/?%>[\R3=P)FMK?[#Q40^!(LM[$<1\ZNP.')\F-/ZCJ49O M(J<,%^5K<+2KR"_,OXC0.02[@7]:= (*5\M,L$#+O9^4>93&@%+]!N8+/UH3: MPU]&HGSIGQ&C(ZWB0&M1G 7\U)D17.8I%'DQ.8-W>4SS,N)=_F&: \KD=11N MD%O?BA)G"76 1[?%9/[VS?@J? W^&X^3(<7(._7]S/(\R'L%K0+ 4WE.7P4+9 M%#Z:GJ=XML#&4N\P/<:6 MN*7AT](H"2",!"&WPI08;8I8=B$H4UV@K)!$,7@1:.RPIQ.M(E82O:H,)4^< M@W 5C ,5HXF 0X"L?W-D!3.J]#SRA*-\;VFI)0X*!&KRQLI/))X M')VRZ6'I;5$$[JNC*<\H9<\]'UNP3<,.\'(]@VSMBU#32QXV=-\J#C [2_L93J MWN QT=W_@M02P,$% @ \#D(67_!F"2]!P 3!(!@ !X;"]W;W)K M?$44Q)=:&W\[MJ4)HWLSG/JNHEGYF&S)X4UA7RX!;5\Y]XTCF<5.MYZO%XGI>2V4F=S?QV4=W M=V;/H)6ACT[XMJZE>WY+VFYO)\M)_^"3*JO #^9W-XTLZ9'"Y^:CP]U\L)*K MFHQ7U@A'Q>WD?OGF[26OCPO^4+3U>]>"/5E;^\0W[_+;R8(!D:8LL 6)/QMZ M(*W9$&#\W=F<#$?RQOWKWOJ/T7?XLI:>'JS^4^6ANIV\GHB<"MGJ\,EN?Z;. MGRNVEUGMX,]BF]:N%A.1M3[8NML,!+4RZ:_\TL5A;\KES:LN@VKB#L=%%%^ M+X.\NW%V*QROAC6^B*[&W0"G#"?E,3B\5=@7[CXI_^2%-+EXK_YN5:["\\T\ MP#"_GF>=D;?)R.H%(]?B@S6A\N(DU,^WC\'H ^5JD?U=G72X"^MF8F+Q52L M%JO+$_8N!B\OHKV+_^=E,G)YW B7QQO?R(QN)^_]>AR=VWWRRO%]^=@'@Y M0+P\9?V_0CQM9#431^R(WRL2#[9NI'D6E?1"F:QUCG)4%5\H4PIMO:>TSU I MN51$)GTE"I2M%X6SM8 2.,FUY(6'"6([U*3BPKY*YOB+.LO:NM4RP#[*0V4J M"%N(L^O5J]D*%-8Z;O#\$'FF(<^S$4YI K8V,-/C99@RAT/8+W6/N,4Z#4W) M*A&@%E.A"D$; MCXU!,D$_ P!+5]]-[)224X,SF.(X@< ;R(Z(76AS17[:'QWIH#((+PP$RBICM2V? I_O[A\W!(0;8&]&# MVEZ8XK-:FK:]+8Q?0QB.+9M&AVCP5?6A:^-COD (TB)2^SVWF8J,FRK0B5(M.OU\CHR4)-;*[C #,N^&=V);64_'LBP=\3WXRDR(?D1H[&?#M"N;DQP_:X MP8HA'5C*4=G?3 5::TCY)_BPULI7'*QQZ, MF7$Q\SI')5>8=;AMX-,&!R#5 MUG$XX7--#O'1ZI_(BAA(.-^?=!1I;5%)L1J.$+I@V,*X<25A05QS*!'1X6FC>\QR<.^XSW:, XM=JT)W'3"#"/^$ M9##SR7EK#.FT\HF>14WU&D_91\069$G)_F%#AE4C'*FLGB]'$\8A;#/0TAHY[=EXXH!;_+VL'S6#0/=DM)N#MS4_'^_4/<%%]- 0P<8^[! M.ML!U: + ("A!%ER=R!+.\>H<(O.$"9*)%5AK"F+2^@'"_>\?Q(_@K\;KJ6A: MYUMF'0QO*\?2O>=5+;%DW<9H&LOLT*J,Q1[L--F.L#':(>HQ:JS\$67L +Y" M:@9AYW) P\$DE3TES[EO&&QVPSU[U0 &M"%&;>IT>O,NL3]5]MIA=#(ZIGEZ'_1?!UZI6*>SB[&JQORG& MM1A_5+H8=+4>LX'T8:G7!4H=6EMH;;"!E23*,X*EC=<,3?, "TD4HGDEMNXM[J_(74C"/6:(GMW,^(MGO95E+M]+*..1DT+1F=<&N#W?M.BK7<*Z(WTT\Y.VJ/M8T M)BNI]:[MG[912I)U#&T,)9C14GFOXY9E^285>L;'!N-]\^Y M6[1F<&HLY)EM0;U]:TY3T.BBX')(<-1!5#4Q/:)"],P;U[LJ(!0.LE1ZQL* M3UB%!>L%?<&9\:,:MHH6\P&=S@QJEYMV IT0'@26ZW3=@FAH@CN_$;#@(&^MR M3GJ2W7O<\ [".6#QB=LZE@X!];GBZBKF]?_P\%;_:&7F^1,/[7OD,4$[C M0R _JXTU\#B'(FBY[^.3,Z!TAKS=KV-E+)^&Q@]EN(GRR?C&:PD 8-_ MA$\<5KAN@,8"!(<'WU1%_?@3'Z* <&4F7H433(G%2$\S$A!KZ$L02GSGI>S@U M)SSG%A!#D:>>PP\QD76TC4-XIVQ^=NQCIP-;%[-75)-5"?Q-L$W\O6-L0;!TO*Y(H!%Z]X7% MA-W=\ '##TAW_P)02P,$% @ \#D(65.!5.G0% 8D(!@ !X;"]W M;W)K6O= M9[_6NBON-DWK7QVMNV[[[?&QK]9ZH_S<;G6+)TOK-JK#5[C6&]L63B]?';TY_?;M!:WG!?\P^M9GGPNZ MR<+:S_3E?? WJZ(00THVN.H*@\,^-_EXW#0$"&O*,(_2D;0Q_QRA_\AWQUT6 MRNOO;?-/4W?K5T2X%6V\?S_XE;67IP?%57O.[L) MFX'!QK3RK[H+=,@VO#@YL.$L;#ACO.4@QO'U:G7+YV]+1RM!C3ZP%?EW4#. MM,24Z\[AJ<&^[O6U,*.PR^+:K%JS-)5JN^)-5=F^[4R[*C[8QE1&^Y?'"%V^OP[7U3XWNA.1U4G M.#Z#HP8XVP@'#XJ%+I9X4!>F+0C8V5*S2)>?&#KO1FH5UQ?LJ""N3?*F\\H?Z!)*'%^620B')$"3Z2;M"W M#R*[5C<:)-)M 8':*B=H$P178[6&Y>C6Q4JWVJFFV=$3O25H.;D=KFS '!^O M.*GE$Z_I'%6N,^?W[SY,,?8S#//QP8+NEMU/=LB MD;>*)^A[Q5L,_69T2:9US9IQ>)ML"%-)/+=?H&:8.NRX2H9FKZ0#C MWK>^<[V _6G2? 2N5,HYQB@CJI2PYPXI@2Z#CM!^M@HDF3>JD6%EALT<2,-K MM-V@5]_#T)JNN#+^MCJW-O4& H0QF>KQML1 AO;ZEW M^O\,BS6B3/(T)$S.4-P*4<+OY.\EX/4]0IPD7438).V@EDG;(37U/D>9<808 M60UB4O)S&;< ;V>#ZH>H)^<[C(?%34GCV59#VS?:\=T7JOU,.N*TQ&I^;;8/ M<)C,VA(9CR7R9-)1ZT67B4@,ZW"U&M[6>=Q&KL8$E+OV;(H:1@M/F#K:P?? MI1#:I,(UXC47O]+-PQD0_-U6\^\'D25F@L0<[TG"MPMHP6YRWB'&KVEL-;@[M9 N>]62$YD^\\=-$@@R)([+OR48Z!!FG7C'"[[/@Z&>)B#"RYLWX6;>_'M$J Y"N_R(SL4C?*-'Q!BGXTV3MY%F+V M:FUT"KN 4*TK]BXLSQTG-_&G&7ZB)2MG^RTQDY^P15[;6T[FA/05<'7 MD<(2>7QPH(P@:#BF,;D\SRS:"P(E]I!'BQY 2)L!$_2)(,]CJK$']YEJI2? MP0:3(G4.H-=FM6YVL\9@=9T)5S#5'*YOR E(<,&.P&E-5HG*42!-0ZC<(B& M-0BQMOC-?

84.".8JKACB7WO<(M:BHD&GP&X)WP3GW/M,*&E/K<%HLQ!GSV6- MBP \;/;1"43SS6%1M N9;012/PWR?SV<,J)8]:1M@O|)QV(&"'KS HFN-DC MV0HQMPA%#*%?
L6EVG,KUBU"C:ICJJ?0DF.I??SQ!B/])M>#*2%\KF]A8AP[$87 M?Z(-7T>;=3B_E.(*]F],OV%%A0U@#PE*L*Y1O $UA/7B,&;/Q+%YV%!<^RN; ML_J8\N:*S0@0O-&2+7$L%$*UP5K;<(.
(?'!T,'A%AY)!W!)URN+OH-GHF1Z>$3US,X++6>!NX;*S578) M.NG\%R)P3UJ^5JZ^9=*0;[?+CKZ4H(-K#4?3G/>:._H<8M)&0SQ)P L#+D'L
MAA0MRH6K12\KZSLR$)2KMWQ7J7TA]G?!:,! 32Z=C!L%""DC8M?S _0*3ANB%8(QJL! $)VB'LZ,"N+4ZJ&:;5 FF)68 M$=8D+\N^$:3&KG!
(K=.:I6;HXDF[V6(WXP\'/X9G0]$V9Z(87:IW^%0)>I!9 M1))A^7UN[RV8%A()[F[@&H>5TV(P+_YV0 1H83)0R2!QBJ9=Y"/+3[!2LF"' MQ,M4#V"RS8M_KKFB>I"M,(+LSHD
I+&W%'G!P$I,;Y>BO"20]VU[$@DNR3&P M#;#/"K>Y[(4T(K@8Q?5R*BIPJ*4HSA$KFEM(2@O%#C2[L>C41BIN:7&>N@ = MN0(2+:+'@?
O'.ID(#C/2W$6O+=V)D2,>8Y"A^67'XLE7)_/+8F.:)A;2#+5L M/02HDNBNAD0U5M:G0LT7XGN^CZ]$GHUM5S-2QCK8@S+D>?X PJ54LC=D?1@A M#@1)Y#MV??"[[4J2@LHXB =
<5%OQ#URVU%-5D9&8>BYA$CL78@BA N02#A(\ M0^8@GGW$;ESL1E$MI'=E/0&1[%1B/5 PZ&#YFH; M>>54Y2K,DC&'$U_!,B@JE M-O+%9,SK]F9!VRD,HRC_3@J
MID2&C"1'#WLX^ .\]H%"'U\]!"&(^"\)I>QQ!OH@W*Q$)B9Z,#YT34[TS 78KDU[T-# M$..T2"2A2$K3 ^U:4IEV)M^R7#^6>Q^'2'W374"41:*3\1;.0F.=/I<[E0+Y MT[.]#/:+[:&C^(9
]5ZGAP!V]?.G]/6IMO%Q4SA ?9(Y_#)[E ',4C/(2\08 M72.4TK.WK%&$!^ /S?E4R@(WN('F>;7HG[KE5C(4=.54V\WJO=)TWMRM7(M"$U"#HV8V-O)B$WS)?=W#%TP:7(B> X=K-
C!R9H3X@M2RS'J7 XVD$9^(N3! M(DO5VB:M3+7H_B_5-WJ/=25- /HGU?I)R.9G5HWB4.QQ YU.=P/M MPE'5-2?7D+6D)D5"-65B>@_M+7H1SWAE)XB6-+\K)+52%!\$'OL[(:R3S5YIG
M(;4=*'M0%J,"5+$9&XNQS2Z#)6F'Y!R99-UCD)00,B:1K\D3B4CW,% $;P%J ML(>76D$9!X:4OQ<.<)$<*]?0'>NHR3+:J^!J-V)2V#/&>]_>JUN#%&'#/6^KK Q
M"K2Z=U4B#5UQ8^JM-=SKZVYIK&'"VD3AH8:M4](TS6DNY\VIBWU (\;1%8M* MJ YYTX46\8;<*U%JVR\@HT45?8'JE)23Q";&NR;V#\=PRT(U%>=P$QHV19CD
ME!]'8F1#GJ9)$]%5ZCDMA7%+S>DTVV,RNIEA&9LP$=4/V0Y MU=6A9"MDN@0L=EUK%XL=D$2>6(WM+$XZV"%T'H6FU5#UWCH,2-7Q1WHMX5N M]=++$#NHA]_4._%9%>=
HYLJ4X)X5;E>UX^GNFF*I%8[N"EX?8@.=/< MQ.,4E6*[5@ Q*BK*8,6!&97).8.49*AV\#F2FB)_\ %OGDP*RI JLIWRGWTP MO(1IN, HD_[EB CPB%]W#0OWL<1.3'4
M\%LD'MG[@F\#SV!=ZDG0/7MGQ_H%^0Q+#,#B$'672N"">J\5?W!NHHS% MR63(8R\F3C%)%G.@]5&&V(MQ9"IY^(V0\[^I:\[H*)HI4XOCP9+(F*Y946C4 M/,D:] P2EV3O)?
$>E.XN3!,%!ZX#/_5:58Y>K@-M)=1':(A3&^/"P4G:G\B1*$T?)H&9YF4_N>%Y_PW"_Y_/1W)=L!T3F;/_M_1+;+*;(] M:K;(?R-&B8O?"*NS/";$Q43ASLi\02R(7 /94C*+,)
[3$N+]8('#D<3%O# MV,PMOZ9%@2_5H! /M#V_K!%3<7\,I(VEBH86I@LY0 K#I3^8!H^]3$$95+8 M9U.AG&"#J.7@:].4X9 @TKLZW/ ^&\H136=/IFG(0[W:2 =^<8C-V8
GA9(2'\K5/?=Z_9G_=ITC9FC*POH4 $":]X"A"9HIE%:*+82]LT4I3.!T&G3AQ> M%M!WXE9>7'QHCP_.2M.S\O+R[/RY.1%8G'MB1YFJA'IMWG M6/_LV?,!6GEZ^4WYS>FSXEW(!V/]
(=8IM\A\ANW/RNZ8H[MHCN++]1E;]VYFQKJ>XF>=-[&E:ZD1? MAN".7C-BU:.]UY^P9,Y/9R?/RS1H>)5FU?_TT6ZA#V)#TFP;'ME''>%PW%)UBSU2<< 1GD/.FH%[>),37Q'
M0,5WNN1GES&)6EDTA3UZ-V?4) B>S/,ZZF'4NM&3R U'\&D0B@[&K)0 M,;BXG_T[3R^E>,IH^37&A5Z9MN4"S)):G>F%QM-+B4#".S#W7@;+9YI^^S$7 M8;!"LURI.C8-^
6UCH9[1A4"JX=)WS":G_: A3E=()ILI-4P!AQL?QCOGJR(MA#F]P$MZ:7! ^2F:_DT9<]Z/Z@[(!B5_?C&EY,/*AY3[FZC<69&2-+(5B4%@ M$4:/Y 6D,'(4;D'TB;EJC PI',L*W.6]>E72:R?
3PC3/8IHX,3.DQ1U?D8H5 MH2^"F]7I#9;L!BSX/!86C(9NUQR?'Z)=)HT_M>D88?8EXBBMQ3DTLRT,GR3+C/U MTOAQ]M[_1KL5_W4#+P(\)&<
TJ_I#RB\D;\,,"R7O[[PDW(KFOQL!);3^;/ M+X^D6QR_=';+?T5@8;O.;OCC6BN8,5J Y_1.7/Q"!Z0_*_'Z?P!02P,$% M @ \#D(646=HV"M! QA(!D
!X;"]W;W)K&ULS5C;;MLX$/T50ET4#J#&NEF6 M\QHJ?#/CHJ0*NV+>E[4 FAE06?0#SXO[)665,SXS8]=B?,8;5; *K@6135E2 M<7\)!5^>.[ZS'OC*YKG2 _WQ64WG<
/JMKX6V.MOM&2LA$HR7A$!LW/GPC^Y MC+2\$?C.8"D[;:(]F7)^ISM_9N>.IPV" E*E-5!\+& "1:$5H1D_5CJ=#:4& M=MMK[9^,[^C+E$J8\.)OEJG\W$D?8>7/0.M+>2'-/UFVLM'(
M(6DC%2]78+2@9%7[I#]7<>@ $N\)0+ "!,;NELA8>445'9\)OB1"2Z,VW3"N M&C0:QRH]*3=*X%N&.#6>4)F[1/^3CS\:MJ %5$H26F7D"Q5WH.BT '(#:2.8 M8B#/^@I9-;;?
KA@N6X;@"8:8?.&5RB7Y6&60/<3WT=J-R<':Y,M@K*_FNJ8 MA)Y+ B^(]N@+-R$(C;[P%X:@98AV,^B%=2)KFL*Y&N'M?EB ,W[_$H^]TSWV M1QO[HWW:W\3^_0S1,7DI"?F6
YGQ A<]J^:D?5T+OF 9OLQ0GA425_6"I)S85"%8P3/B.IIM9TI@%;&TZ(!GCAZ6][3KA4A(LW MT]=C%<:#-Q+=E4?DHL0XL'\ 7==$MQ46W\+TYUAT97>@X%)B>#]1)@B&IP&"
MBP4VB^7Y4)D)IFG*&SV[:,>45G=Z?I!(,=7H2BHWTG^0R W"N-/_\$2[E<-" M /=8O72^D%F#WED&^('K>9$U_.& D144LZ@$D3):D)K68$_+T T&@U)%KY]HH7N8'1(HK5RAR1:Z
[C\'63TT*?3;3 C7=,PB$,+?(EB18GKV-J MD5:B^>[0&QV2: \%U\^W+O[E=HO91N&_+_R_LS #4LU8BMD@=40RJ+EDJC,5 MB1L%W2GS.^U>U">Z/A2W+8=T>A3>?;=*'- M9L
1N3V^.29SO@!1X<%A+]W('21VXNYP+AK8= B.(FO5Q.CR@_(<=*<@'AT] MDO7L\O-_JM#/9ISON:-!U]^G"K01C _(N,B-/7O"[6GJ13L23H/C%R1<$+BC MR*Z:B
MS8K@86+E^0BWIR#I# 1AI].+XZ.'PH/$_@C2.T2*YT*!Q_(&M>/Y>NT!YMJN M#6'G'D"HD7]03%U"!>@7[0[T!OO$H[]_'M[6?W,"6 ^;(O_=%/DK_"V9RA&/
M7R3D'JCHA,;J%ZNBH%%TIG"!;$ J%[R9YV3&%NV(/=&[=OMG*]3#,K3K,-KO MW"@ZIV;&Q1)S(=;>\VP&=U&PO=V]R:W-H965T,3N"3%";1*N(,=Y=/R" #/&KP]T+T(?0]"/Q@]
(B]L/$Z=/;" MU_6Z-#KJ-FK+YU#G+,*3'M6'1G6+O=.W;X83_^@1R*,&\N@QZ\^%_+C1MV]F M@1\>P;@/3[!?SKEU<[@&DR#DBD=(+68@DD4:PP*I5".D2HO!2*#R2X%1\6E- M
B,5Y(R[:.8T$M4P"#E;,%3;C; A9TK58PJW9136%F\"S1K1$],(4,Z4 MX1'/&:'JMV'%:%!F3"WRMJ+(K)'OB 5EDF Y7G*([9(T0T5PG"Q@E7!RSD* MOQ>ZQ$ 4V8) 4D0T7PF^I*7"P-
]%O"HC0NYF+,8^G,4QMWNR--UXL-P) M5*$I&%:!0$A!T2F4LIN2F-@H2D [DQDLHZ2!I!9X1I%2=A,;-:9K9+$;C;F. M4JD+11DH5,HD_[EB CPB%]W#0OWL<1.3'4
)MJ.3ELLD[W^:]#Q^0#H'8&B,;-N\4 M8+LYK;"]"C<3<9-,CMHCLXK+0D/IG\V(P2@1_'N!Y6Q:6&2Y':$^V7.16B>4 M:-2&D^;:+;<(^W!#NT5,J8T=8)EU45L4$2I#)U -
Z$)2^,3&TGLX/=+=;GG4 MB=+"N44%ZYB)=^2HQA)<&4)-;-N4,26$.I%KRJ2ENS8>8>61(Y62=Q8O^=4* M:$Q_ENN)6Z?,@27G;NQHKYU(WVS14Z93.C/K0I.W7+M
T<*SZPNXD3F/@.K7 M:]?N)V0VNXXX]_,)]/Y$?R!MYC"\!"^"!;_36<*!?E[(>W#U:\N"\4>CU6! MU?Q7CDBH-7?^&PZE'A3$YP#K8J$- M%3.W%>O\6A:D52Y#;5K_ 'IX"%>XC2(E$[
MW):6A=AZ"N]X'_L>.9/GQ"*(*D 34T1'B$K 73!8XD]GW)L))9N\4%"4?% M5)10-)QM=XA9_G-17O[<+-59FNX,:6+6UML?*WIWU].EQL =J:IX11
MTB.F$^>D:]B8T6J'H=*=!4N=E+D+CP<+PH)WE8VEDME^\/9\\ES0G?$8238Y M64XP+<'N: 0WA9.E0ZC/R'_[>?E RLV]F:15E&P;1E=^A;;-_4F[!?5<4%MA
MN&Z1]$>KZMJU=29=)7:M;B2C5;K-X [+ZY<5Q:HBVF)TW7?<4H2.&^*/?@_O M*M5K6D'3"M\#72BQN5 ^G..5^B_HON+JP=X8 MZ+BIU.@)CLV\43+K3-
5/9SV<>OY\^MII'WKS\'[>#N!+_[H/*WF+2CAA^RFK MO'ZE/Q OZOIZ#SPQK.'3_K'5'2_P.<3.CS&K1Y4DIJBA86:@6I#XIE*Z81:7>IF85@,KO5,C$IJF MXZ1A7$;SJ;?=Z_E4=59P"?
>:F*YIF'Z\ :%6LRB+MH8/?%E;9TCFTY8MX2/8 M3^V]QE426$K>@#1<2:*AFD77V=7-T.$]X&\.*[,W)VXG"Z6^N,7OY2Q*G2 0 M4%C'P'IX@%L0PA&AC*\;SBB$=([[\RW[:
[]WW,N"&;A5XC,O;3V+)A$IH6*= ML!_4Z@UL]C-R?(42QC_)JL=2!!>=L:K9.*."ALM^9.O-.>PY3-(?.-"- _6Z M^T!>Y1VS;#
[5:D6T0R.;F_BM>F\4QZ7[*!^MQK<<_>S\7N/WU?:1,%F25U\[MWN*)VYC\ 7::6 S@8$FQ(;OIR>@/R,;DO9*V-N25+*%\ZI^@L*".;M7=T).$
M;SLY('D:$YK2X0F^/.PV]WSY_[/;GFQXG,Q=ERO3L@)F$=X' _H!HOGS9]DX M?7E"ZC!('9YB_[=23Y,]?S:A:?Z2;,?Q@)S@#[G&-AA)."C4'@SC35$5<36 M0"HE\(9SN;PBWX?[U?
$%ETBE.H/QS'DP8Q9 R0)@O8,"F@5HDF?^34[>L872 MS"K]N!-+SDB6QNEX%/R"X<^JX@7L0;>(++L\D.9LMZII.XL1:Z;+%=/@S\6H MROI%@,,IQ<4A@;>^[K3DMMNX5GSMYB:
AD1B9 MTGB49^2Z*+JF$\Q"B942+TG!65^+D8PU2EO^3V\(&3")]_GD_# S+F*:C_W M/V(=IZ/AOF$4T\O13W/L;E\'K+&Y&2 K9LA9.IA@A15B*_L&Z3]@.W/9[FM M-
0!I^C('KLQ]EY[.TV5CC"W+M.";CG@<_$+\;#!^&I\>B6_X^C]$/U:/DKVF MT8!>^M9H\%IWTO;](UA#][WNF\X.WK?N]TPON31$0(6NZ>!B%!'=M\-^857K M6]!"66QH?
EKC'P1H!\#WE5)VNW !PC_)_!M02P,$% @ \#D(6<9CRD/M M @ 4P< !D !X;"]W;W)K&ULM57O;]HP$/U7 M3FE5;1)J?D%@%)" =MJF54.MMGTVR858=6QF.Z7][W=.
(,VZ%FG3]B7Q.>\] MO[O8Y\E.Z3M3(%IX*(4T4Z^P=COV?9,66#)SKK8HZ4NN=,DLA7KCFZU&EM6D M4OA1$"1^R;CT9I-Z;J5G$U59P26N-)BJ+)E^7*!0NZD7>H>)&
[XIK)OP9Y,M MV^ MVJ_;E:;(;U4R7J(T7$G0F$^]>3A>]!V^!GSCN#.=,;A,UDK=N>!C-O4" M9P@%IM8I,'K=XQ*%<$)DX\=>TVN7=,3N^*#^OLZ=@01L$KA&A/ MB&K?
S4*URTMFV6RBU0ZT0Y.:&]2IUFPRQZ7[*;=6TU=./#N;IZFN,(.K!_K- M!@TPF<$76Z"&9:4U2@N?.5MSP2U',_$MK>F8?KK77S3ZT2OZ"5PK:0L#5S+# M[%>^3UY;P]'!\"
(Z*OBIDN<0!SV(@JA_1"]N"Q#7>O%_*T"CWW]9WQUJL=FR M%*<>G1J#^AZ]V=E]F 071]SW6_?]8^K_P/UQ_>$Y_-D2+1R[<%7#TSU<=."I MHO-M+!%4#H2"7
EJ%%QNQG!V,HJ"^.*OWV^X)$E5&;)@W@+M'&QW#EQBBN6: M7,5A/1/#2JLLV3$"-9.X@= J#=X-.%/;"80)+5;H46=-=*$N-@KE,UB@Q MY_;)'_>28-1&22^)$[BAO]2/H
^JSVL1]09!\&*EPNCBF>Z2&HEP5JA^]'_DOH'N MN"T(B>X@/V'F&XWHC)O?5),6#EY8^Q1C&O2")NV4->\FP!;YT.OQ.HRM1;^IV
M[C81N6]Z7CO;WACSIE$^P9OKYIKI#9<&!.9$#8!1Z>E"@ 5R@ M !D !X;"]W;W)K&ULJ5IM<]LV$OXK&-7M)3.R MK#=+(A$1,2((%2,NZ7W_/ B0%2I0L9YS[<),OE@D"
M^[[/+E:Z7"G]Q41"Y.PQB5/SKA/E>?;F[,P$D4BXZ:E,I'BS4#KA.1[U\LQD M6O#0'DKBLV&_/SE+N$P[5Y=V[59?7:HBCV4J;C4S19)PO;X1L5J]ZPPZU<(G MN8QR6CB[NLSX4MR)_'-
VJ_%T5E,)92)2(U7*M%B\ZUP/WMR,:;_=\)<4*^/] MSTB3N5)?Z.'7\%VG3P*)6 0Y4>#X>!#O11P3(8CQ3TFS4[.D@_[_%?6?K>[0
M9*_BOV681^\ZLPX+Q8(776JV8IMV@1OJ85>UI"'=3 M638O]-0A,WS9Y"A M%F18"7(S/$CPMR+ML5&_RX;]X?@ O5&MV,C2&SU;,7=NW'Z.DN"-R7@@WG40
MY4;H!]&Y^NF'P:3_]H!4XUJJ\2'J!Z0Z?&[68^XH^^F'V; _>@LS]<_9'UQ_ M0>)B)^6OW<&NEWA VN3UUOM(L/9;95H]2F2BB-=L-.WV^WUD<<&U8 L0Z5E%C[!+H!)\!B)D7\6-
I2"82CQE0 QM@)?POP0%;/XA)',H :L.>@VS1MS@+%.9A1I[*A>@16KD M0B>PZI&JLSE\LX)SPE 2,1Y; H8H+ !@;"VXAH0\B)X2@6O8B0[+%#8[EC^W MK*XS+6.RR467+
<$V9:G**2XH@+1ZD*&S#A&-8;58Z1!,X"MCL A!%G*1"YP+ M'$Z 'L62\B@[^9W 4-.:S(()>:&2VRIC#; 2< .D0"T(U#*5_Z&8<.%T M!07^8/K6
2Z%=KI56[Y]/$3ADH3EQ0W#1XI,LR%6+)YS*6R]G!J"2J%&I MQSX4FO;B8=2(4%/,JR^-XXJ3S2#&\S:C@_JBT-BE44),H.7<1>-=2W5>5Y]MA*I7GY,V76Q1&%A4ZO5J)EKV
PSDRP6("K%/(Q8R3S" MFT 5M-6"B84)RQ6&!=LN^7ESM)&WL^VT/3XU-FRVE*- 0ES6'&W&S<62TB%E M?ZH'E[:#2F$R:("PE&DA*%JU*I81\0XB-G*[$)R_IE8N\4 \?!N%"JP-T%7%,
M+) *%EP<"*:!=@4'>#3L3<]_Q'):(+S7-2MK'4+'4F/GQUJD'KNN,2Q>-Y4# M;RW^*:1V*)+QM3V;*>V3(J F.(DC!I,Z,^!VQ:>4\C6]?*W6K/2%V0:2N\@ M*."R -3Y(]ZM(AE$#5^V"/(0
M%4P-^D92M"V@;3'=09E0N CF$F9Q*+4=$1,0QGP'-FQ(D"DMB7-F]4AH$^K M)#G-Y#8=0])5&I?*2 EN(K8 I)@*V0.N]9JL^#C0M0>MO"Y1!!DW=*D")>X M
))MX!7.L6I%*@Y)5DUQ";&,2S]EL0^K<""A+9;(#9DK07&L @ZSD!S[$M[7 MS7$/CY/9&JFJ(P^('V*$)8F$?@R$"(^UTI84/ Z*V.ZW#!/:3^P]1Q6&!..L MC1P*)3HGTKBF9
DM#W+!1'72V%=1V[3H2O^I46< _.)1!(7%CQ!,>H?]X8U?#^]$EI>- MW<6WJHDWAVHBV+YX4;PY7!1=L7.U;RKO(I:- K9,>KXN1(>[!^K4=K4]6*0N M=HM4%<44XQ[J=Z_X"=-.&^_ !)+!WL[*L?
\\)*1."AYK%<\O*.D/ O@FA8@'.W MJ/;"]%1%^U]6*%N;\KTX6OM!4KTR E%-J6O7NI1[_M$-I,82*5-8N0*]/LUZ M*FL]MR/:P?2D)0\@U-!2JG0 MODS;2%D*!ALL]F1F93P21>DZ^3S;NR.
@QCX[9#.IEOCLM(MBU8H0VO[A'2V M%5!+I(/D#F8-!Y_3?)T)0HH0<82>=2$I[FI2O6+UMM_VEM>SJ]JK>#9^FQW5\XSV M]SQ*RZ6DD=E@=FK':W5\ ,[GE&@*;(ZU1E)3T04'Q %U-CF
X58M3D#^ER1Z'GFOD(+0->.:F MJ6Z[\8P&#LA_ M6/!!:NQZ0'&$;N@&B@4/5W8(>_7HX-#UW^]_+C5#]F%0MVU()W;FN&^180\ M-$F%HP1].R:3(BE)-[KQMMEPV0ANB62JIH%Z$BV-,$??
PXZ$0E[Z;+^?2F" MX6ZI;#UQ+%N93>C8>B=35_'0?5C*86L.O%47[IOZNB=TU\Y8N MIB,R/2YG"^3$AN=Y=]J?L'N5(_\[=96J&WK,!YU!X,+V,"8-]0O%+DKS.!@ M\EV-40 O)K/7):-
FADAO@'A"=6QP/MBA\$2>5(V(O6H2&)2%DJX&><3SNH$I M\SQT\&WAUE2N;77TK+T?MP P4%X@G+"+_H7W-!OU&Z$^'3>?)Y,!^PN^M7YNH5<'
M]L5X9VT\GNVL#!"MNSLOO$3RN8_ZH\;S<#KSGH?=V?FX\7P^F[;X]5@(WO' MPYN5_4D%%1RZ"*'!KC+/]>D4:CM;4'TXZD!M8+\R;D/]R\?H3F!]FXC[N]3Z MM-TP.Q[L37]L7]PAU&J^5_8KY]>
[\=+O[;IT,/ 6[ZRKDIN'N)NGJ0I9 M/839:AU4H?=5"=*ON_:R_!V(7QR([_P;%ZIM:7@/ ML,8^O-FN<>@#X*C?/_#^A>BT_>+HS/NQ5R+TTOZDS;CKO/O=5[U:_VKNVOU8
M;+/=_>0.K1KND=08+' 4V7S>8=K]C,T]Y"JS/QW##2E7B?TW$KA]:]J]PNE M\NJ!&-2_);SZ+U!+ P04 " #P.0A9XOA25(X/ ;+@ &0 'AL+W=O M[PTR]/0NN-+GE179VG]3: M-
DN[RC;FUJO0U[7VZU>FM7IH/ MIONUO?7<9*IE+8V3;"N4=XL7AS=G'W[ZI*^P_^8\U]&/VM2)*Y. _ /:5!41 AM_)I'>4M:./X[4?^198+HZ9$JS4+W5??>W? .3+,T=8*=E4I,-17CSN:CZ
%2(>QOE*8B#ZIQJ(3LIB6@6QG? -]5Z M5_9%U%QGBE7C*KSCU*)O('3B M(DOH3:7)>/0)484#%C"Y+70UD=PME, @C)E%&!/"PZ77M3S4WJC:-0X^80ML
MVG0>]!IXMNN#"NO0F9HM\KG#UA08CO6Z/&6N1D1L0OE!F)3I(;V[K2%*2I# MC!=P2'B?4;HL+;W'9E$'Y<#88GL_U<-S*W73+X&2ZH(1XEJ8F)H BZ#["^DE789TO5M[!K
MXYHG684S_DEJ9:U51'>V6WE04V>.>:.U?>])W.%/JZ:^O"]K2J8%ZZJQW[+ MD4-,+ZS'SHU9.LB2W#R:8&SDI.#HO[U2PW^8]M%3$82C MSM.W3Z'$GL#>Z@L8R?
Y)"E@KV)C7>=WN=)'0FL(N$$D+!BT'D,G!F%6PTIW2 MWN+=PKOZB^P'LIOY3(PP7CJP ,U;D!JB3:(OQMPT.(O>>U@:/ETZL-BX+AET M'+J0:-YV"./ FEZ,!;\3\#HZC5^JI4[CX&JY8@,81TC
QZ"5LO MH4&U,"SU<(L2=+#^6>2+AZ='E_E+\O>P%^@5> &5!#6#+J MY"/>XCYYEMZT/$4%'!97)(R5"UU-EZBH(0@=5VE"X.S-66>$:XU*P+I^ MN=H
+F:.'1$@;L0"D]""VD(__QV.PZ@94:>RR.8ZJI6R%C("5>J3[$3QMJXAY!"8 :X@=0:(ZV\:7+"0VXF9(G\/YFOGR11T%/:,$U(\%\WK^R2 MRV^X#'N2>,^CJ[%CPXY!@Z5=C.&UT;MT1TULJ7)84-
M@Z#9)V%^E%[-Y: M*Z6J"?P%FE\T&"67(&'EJI+R+]D;-J-O%GTU29@2W5B8]:IZ]KK)5ADGUH>5 M D'I/VD.6+F;W)*6MR20+(XJR: I??PS6\$BDY7*N[4&8$(1C\>@R^VX]B-4
M"U^G6*IM^82$]0B1EE8,<%C#.UU[PVL>] %2*=1,B6IIA/9\Z*< 9: 4) OP %$) M4"-D69]]3#X!/-S!]4"OTK;>=FMN\G+71PC.N20,&!C3ZUY[<0SVG.F9S=F MQ+N9$M]:D[VL*P^8FY5'-
M;)+=&)-4%+.HUET=F3\W\FRN1[=9F(T'5))D&-4 M9R @HY&6%U36<<\&64L)42HQ5HG&JJ /AC!3/1K6%H.,.;!3>\0Q:&WG1DT MP2 _>TXL/]{*]ZZ;UZ A!_?
2@EL=YCN98\'/)@7FF$/JV1N^3F'3]JCJ4;6,RO]LJ3GZN4.RQ.+N81:0FCD8-"/<+I\?7DUJ; MI)9>$M8?C#"->[PX$-BY4S0=YI&:T,]Q@,RA\ M$5M_07ZV-
#+:D458&5F5$(Z'*5$KDII35"3UD)MUNAO4,%^V&R24-HINK3 MC'Q/BHHCA]UKZBU-;0-LUA1QE*;S.]7P\? 'RM"HH*%4+87?[@"+]64:R?.L M>GBT-Y_%'+4+CEB9WM#
*G*0*OZ_);)2DSZ.IJM1?7K8=Y =41 %0-BX1MML MQR(23!7!=G00.>V:\P"Q&^H*R'F1N\GQ((2XK\]<] MY C_8\' ;<.XN+ 5KZ_I_D ^)C.>;PN0KDGEI?9E&++$ ECI[KF\2^V): _*Q M0)S\3)R9&M$[.
(N5.FH]\0+HU%C&2*@O:FE&_JQ1P%8P_8O47JKD#MN5&X M\T":X"U+E](@#RH5TBD)_*SHBLW5-#2@U.HMDFDDK-]$8=5Z1VJB)V\"9FOIY MQ-4
TX?,QP>39,+&\OD9YU(DES:6$2QOFMUN*62WZ&/PT@/'D:?8=CY,%76- M4AR/^>#,4B2D-^^ OIE\&7QKG#8+;UIM7HZ1&8IAM[2AKT9TADD!QZ MC;TM$O38Q&LBN23Y E\-
#4K05'LYZLR1HWGTE:3=59P/&N9>-!Z+]]5& >E- MX9:-_9/+!IHC\ $UI92Q+C;B).?80;]3;952;?#PTWZFT3+=UA OFZ2EC1.C
M"LOMPAI!_T=GXT$Y1:"PE\,$R;RE\ZRPE0/YJ'0K:]*H>.)\,\[*_7LO<8PG,&]!=#$_/Y&I&D(=6GF MVOL0LU^P#=QQZEDR_K.UL$7_HUIH4*.6XHTT]& LJ&"E2D9G@M\1MJ:^08[* M (^
")Q6XHT2.9'Q=R:VAT(N3JC("^]7,:.WKN,L6 D)&W)9)H.VN9P)TC!" M#K"140/2Q1P:IKQ ^%-N7T @2PAW$3K;"8^R9@RRZ=2VX77E"@QEL].:62R M@%=H'OLC)V=S,(9H/M,"/B#55VYMS-
!T]S)4HKLX^/H6&,$;WZYL!"]VI75 M]%4#*SQ^+0-TH[ZW=Y:NPGT]FN!T&QR#40/@\ZY3_T;S_QT"$>65=-0HCF M>V%=P2.QZV\T/KZ-
YSAR/ZA*%^C>ZGO11HLMZ)+$(KDYGU$2$7LMPAUH$ M+%Q"[PC,+K9>0U_$O,DIQ(]F[GMJ<>4D=&-(-8Q2; C]>.^SJ]/9Z2DZYY7V M@C.6BQK6:>A<\2FBB.XD%\8/)=N1:\"/1FVWG%73\-?
$Y:&%38?.46(.SA;&RS'](.S9I4B[H=$<_V)&^Z[*'23YP[[#A@21,ERB M F.#13Q+AU> IQH@DE]@" -K0P"=IJ0G9!F3:#^UU0[RS"? MN)P#XO&=C-\/*
(5D<#W$AF+EQ.27HG.Q_O MDB,-H,4A>-0T?!#'?U1K6Z"T<"!#T//GJ;D3*_?:)G)U2=8-*(LY)[KF]&5T%*ZPO M^EJ:S&PO=V]R:W-H965T"9)DS:=2>JQD^89(B$))R2A
M@J05G5]_=A<@1$J48B>=].6\V *Y6"QVO]UO >ERH_3G:B5$S;X4>5D]'ZWJ M>OWT_+Q*5Z+@E:_6HH0W"Z4+7L-0+\^KM18\HTE%?AX%P?2\X+(<75W2LVM] M=:F:.I>EN-:L:HJ"Z^U+D:O-
\U$X:A_A$]?CE&>!/Z28E-U/C/T=]C+GE7BE\D\RJU?/1\F(96+!"[ORJ%?A=W/!/6E*J_H+]L8V6@R8FE3U:JPD\&"(U!&/_]8=_"9D 1')D1V0D1V
MFX7(RE]YS:\NM=HPC=*(@#3_05FDV&"=+#,IMK>&MA'GUU>V*:W'V$O:5L5>J M@%A7'-UU>5Z#=I0Y3ZVFET93=$33E+U39;VJV.LR$UE__CE8Y4R+6M->1B<5 M_M&4/HL#CT5!-
#ZA+W9;C4E?_]LU6@:#VO"1'E:K7DJGH\@$RJA[\3HZI>? MPFGP[(2=8V?G^)3V!]EY6E,8^.R8-O;Z[T;66_:V3$6)F<&N"HA.F PK\@HX)#!@ >/*;T3-V -, J.S;8S M#I2663LUW$W-FE3 4O7^W-
YSG[V'.L$W7&<52V&[JLRW;"[84O.R!@\U8.O0 MJF[1 X7HL%K5/&=E4\QALEJP"GT.6V_JE=+ROR?U5C@!H"XQ%EDD,&<_SK<=B;QI/O#B>M:\S;;K&Z28ANA M!8-2OA 2MPOS&;_C,N?
SG)Z3!@XF'K48S#DTV6.)!X'TPF#26D4K]74OFKK1 MUM?5B070I0?.A$_U#IN__)1$X>P9!%$5!8 9ZF3ZG01X#<61(FI=L6XT;JB& M&#&-%;KZ>JQAQ3S'Z"FH^C)%MR/T@?,J 8AA?_"R
0)C856C68*#8[>:X^L M$64JRV5/SC-810RE4"-EV: $NJ06)4VM%B(1(X*U8"UD'" *+!Y0=DF-!K8 M^N (W.[C(:#E]@3[6(_"L R:HGM7E !X"D5) %/:>A^3EVNZN:N;_ 3)%LU N
MDQ7XA&J)G3E7D%@XR"3HJ)6N4#83M=! 70 'EHL*RN6A[<;E$#:>0;$@UU2- M=2LACD,'4 3FJIQ,-]6X>Q^&';1S-A\RR)O-IYY43"E ,$(4#V+'9#E+I"4
MG2041+&'BZX%=17YUJ!V;YFU5GN3[12\N7J>TVD"MT;$ BU*5 MB 6YD&#MWCLPH-8RK=T;4]FH1)ZC"\W#-494FJIO#HR]H!!11PNL3 ;N#G5+WE2%L$0Q0 M]RNH80SC+E/*$:F
9I:B%)I25MV!KH5J]!FBR K8+:[X'<(1=T7@;=.P#6.O MR%-!1B^JNX$$ 7/GIJ&L;!'QH/]\0>*% ML_L7Y8%%AEUR$MK',4O./P+;'BC9"MRX[^Q_#8O]O??!> R*]\#9OD$'CFE* M6?\ R]P,HC):CO$E-
'ZHN6 M-*&/E74>W4[4?$%/PN3V> !CC7J#)M9M SP3)F,\7]{<;L/BSMF.7[=IJ% MT)$=.P=7A2Q%)0N5PP5$E,W(#6^8:L00QSP00I%H32EO11VP633JC$!@W[(TGX[@SCKUXZR8#U'RP(
M)47SI?CJQ'TY+?#Z"%VV+_G>467[1'R!9EA6V*9B16L?8U^MP:78-N\KL>37 M#B$OS2/WA(K@8RK,3]B?G189*EJ_B1^S"R^Z"+PX2"#X$W\:L\0/V&_V2#%& MF,++V8$-

H0\P>FUMS]CC./0NHLF3 3G0 ,8=T!Z'@%/0F"2'HE, _@:/SES41 M9?=E& V[?NCY_FY[[448>6,XA,;!+HL>L;$/G7+BQ^PO*;,"D(D-"N']0,O$ MF\W&WB0<=]/&G\[8S(]:)9 "6':)^H#FB,<>:$XW!S%[>G>..:$KEJ65+[-\A06N3<.J8[XS# M^J7$\"_9GO@)*V2>PW//'OH[/9+U,O5:;EG#K_S0:SN:C<#!G<:E[T/J&JPI M: .2=$$6*\.MY'<0-%%H*BJ.0V'B<'(K;$0L+YLB.L?;XW^^!!XGNWU)BG!G M@,EL\7JG(#PRQU+N6"CQQ^QG-[R(_ D,;V3UF1Y=/%L@$4M '+9\3*-_6N$Q MN'HW-?:G,')K4:7:%8# !&7@B9N12>S3 9I;*?)OKQ,WN];TEJ#WD5K3;LM% M-RX5N[G]N-?*T[4,I30!S1[$AGOYH=[]!2C? =\>F7KW6,T:D4:J>'LA87O> M0\0:XK"](UD++:.[<*E;82#MSZ+>H?SK=RL#8/?[=ZZNYZQ8)^F_M>)%V_W[M]AZNW>A4$U#0UHZLT6U6_MM]R*?]JG"*=AC]N$]_[&%SISG="TTP,J[3WA M41IX!2K>S/&Z8^?Q#$ _';:.+EH*V[?R\30)@+RGA\0=^6'WMK>/#?T<99P!DL&K.,H+(I0 :M=W$LK9(:$$4-Y:$EU.SOG62_)ON@57Y?\OP3\,Z^Y0*!7O@QO%(S?B%,2-;J G*%5- M$'"7XA $ ZV//7&/B5PN)4)S1^[X+=JZ3;I[0$ZK9KG"FY2F:$S%6?.M!MZ" MG61-:N_B:K-SZ","%H1[I'LH@I(6L5B>Z!;=JCW9A4,BZ%L)GKP]W@!EP_QV M:BFU>UENV,UT2I?S!B\Q305UK@37 M.71U3T&'(.2 & TE1ZZQ4*%:!# @2H/'=]]ON) 62F-< :>/H@FQ^T9IV-U] M@H/)<[@_](1A0D(IK8D]7:^PZ"$+QK3^ VH5U<,MPR-3/A#IMR5=2NJ,LIN" M1I?QC31/8/J+VU?L@UK+E,W"Y&P"M-'+#5HV?&;IL_?*] Q\;LXV79<^8 ,G M\L4VXO?'_SW SQY+']*Q.+7T*XD[/Y6E\+"+3P=MF!}+R# MH0(>PU\\N!R"UZV+X7A" < ;;U[7#?W3SWMS3MMA6QR;CQRB]X]7T,9Y.MU MOFU;]YZ=_QH3QD('YB9=0 V]'.6\\ZO MC0JAE_2;*HPZ4+;YX9%[ZGZV]<+\6FDG;G[S]8[KI81ZGXL%3 W\V61DLJD= MU&I-OUV:JOH:*2=CMJO_5I+ P04 " #P.0A9 M=!WP.O\& #Y$0 &0 'AL+W=OU(YE&HTM/%;/9\6DEE1N>G\=F-.S^U3=#*T(T3OJDJZ;:7I.WF;#0?=0\^ MJU49^,'T_+26*[JE\&=]XW W[5%R59'QRAKAJ#@;7FUZ0U \&,?UK,4:^2!8?7'?JOT7?XLI2>M7EO]M\I#>39Z.1(Y%;+1X;/=_$:M/S\S7F:UC[]BD];.?QF)K/'!5JTP+*B4 M2?_E71N'@<#+#V0,"BU9@$>U.BJ*55S+(\U-G-\+Q:J#QT10U2L,X93@IM\'A M8U:<.+]MEI[^:<@$\6:-7W\Z#8#EE].LA;A,$(L'()Z+:VM"Z<4;DU.^+S^% M.;U-B\ZFR\6C@.\:,Q%'L[%8S!;'C^ =]3X>1;RCI_HX.>1DPC@^C,&]\6'C<6WC\&/K3LO XQ'P^$?=@Q.]&O&_T5AS-M4S3'(I0D7MNJEF8KL(0RPKO_U;:6S,6FQ*FX5+$F'LA\0'Y; M*9BK"JB[R-?*6S>&ARQC6BJ(CK!49*GD)[R^N7Q[/9NSR?%E ,D%]IS?O;U& M!&\N/WR>'1U>\,')Y9)$KCR!)!DV/]J'\U%069E565'L7"BIV- MM@&EUNAIM=3):ZD'!98WQ&@W9(Q@IDCU%6\ONGI_FG%?ADS!JK]AP!B96!:1 M;@#@=RTUX+_8H*SFRT[@MA/H;1IS#_3!V0]0]*P_T%H*\YA+8Z48>=MH#RL]'M@!2V&!TN)V5S3F J:*_N1)6F< %.B5JH*!)UB!R1222!4#,W!ITBY4A52]B8 M_(N=>] *J&N)W!$H2G:,%'5=2S2ZZ ?,-XD8%MO#B?GANY>+V='):?R:(1R^K M2\PHE];)M+F#;_O7!O%BZ]?*-AY2V*+6 ?2E'V\DQ*?[4<' MJCEV@^S8F@,?.:D+'2;^/7LCH6' N_CV]:=;W&,+$+,VR/N%3\G%4&\+96_K ML=\V<;2RS;%"L%N(NP=^"H20BN^>6V/F84#O;8?8>JX#U!CVUI \F- "H>(8 M0AK9RNR:W+9WM)UA^PA]%-@HNJLUUZD=2.W"\'T!ZNGGU+2Z?LZ(M7?@'<2EE M[+ITY'DX&U$$B2@4Z?PDC:Y]-;%G9=HK%41[""SW,]6U2V8=UV38$^Z&(Q2 M-V2KNZUQ'G,:@WJ=:M]8\VSW9#CR#J5DZ,^O7Z[&_[$WZIL:U,1$!G^STEAM M5SR@DS<M(O;I6[:=8%^PD#KA8<[EMV> M9]QN*89/8I?T6Q-V4UL?^55\LLC>+WL]^6T?)G*A.\H:-LWOSANME4NII&ULK55M M3]LP$/XK5H8FD$;S7J!+()&FTYC&5-&Q?3;)M;%([,QV6OCWLYTT:U%:(<:7 MQ'>^YWE\9^LNVC#^*' (B9[*@HJQE4M9C6Q;I#F46 Q8!53M+!DOL50F7]FB MXH SRH+VW.P 'E?S;FR[(XE(R5001A%')9CZJH=SO(=;P)^$=B(G372F3PP]JB- MFVQL.?I 4$ J-0-6OS,I2@TD3K&GY;3ZB0U<'>]9?]BY/& !4U;\)IG,MQ]:EA3)8XKJ0=VSS%=I\0LV7LD*8+]HTL6%HH;06DI4M6)V@)+3YXZ>V#CL M]Q# :P'>2T!P ."W /^U"D$+"%ZK$+8 D[K=Y&X*EV")XXBS#>(Z6K'IA:F^ M0:MZ$:K?R4)RM4L43L9S_(S6LV!FS='4T)$6G!1,T!G:/[18).3\[0"2(4 M_?',]M(5#B%L:6:EP"^!BO^^,$=.I_[*OV>9,E[DLW>B6SO3H+N3H)C[/$/ M-21N:,I*0*??F!!G???04 P-A1X)Z_C<#:^NW,A>[U:X)\SS+\/A?EC2$^9[M%XZW'S;*0LOW:N@"VORM7>Z4@E\9<:!0"FKJ6R>9N?M)LZU:;0O_!-W-'5] M_(F:4,U ^4??C+=;S%>$"E3 4DDY@PO5-'DS,AI#LLKTQ Z M0.TO&9-;0PMTP# "W"@ &0 'AL M+W=O#)YX7UAW$JT7%3F=I(X W_C+XX'TUN#"V6KU(O;/&3+*'&,4&!]'02C MGSW>H1 .B7C\VX)&G4]GV%^_HO_FQ=Z=@MS@G1+?>6:+9705088[5@O[I Z_ M8QO0W.&E2AC_'P[-W?DL@K0V5I6M,3$HN6Q^V;$5HF=PE;QC,&T-IIYWX\BS M_,PL6RVT.H!VMPG-+7RHWIK(<>G>RE>KZ2DG.[MZ("TSU/"L6<9E#FNMF58S,11\WH^#.KJZL94+,5E1(5C4.\Q6GW\+E(/@4HGW>4ST/HJPVS M]#D3\(RZ-*!V0ZJR08]HN$#3O!=:/PZ*=$&,%F_'D\ @89UU1=2@.3&;G> M\912B2C8N%.E163IQ$0/TI$DV<[/)E!+E['.Q_TQ+1P4K%,[NI1_K12!&J=)AZ2 M^-056$7YDHR2)&G3Y0W/CQ^NII/+3P9259:JY32&YZ+E=&"F"\D Q2&P2@F> MY)Q,$-F!M.:M"'#-PRXI-"HA%PXAEEN=B1%T3*1!*VL8-A=H3\)?TUW&AX'3*A'B5G63(2!=:.FS(%"R#+5(ZX)'" M)Y''@?*8=^4Q#^;QGZS$H>P/6_6S/4#BHB-Q$81[YE8,L@B;_8_J"I"[[,A= M!KWT*ZO7,GP_:9)]B'D8T^H:]2N.FI78=U:"N[S35^W00G#"+T>%N!SW?&Y M#J++'RNNPW3" &\])D!IDOSX@"=AS#QWS87*;+UG7+#M<*JU*.'XF:U_8KZ M(?TMXGW??]R;)4K4N9^87%>LI6W&BNZTF\K6S2SRXWHSTFV8SCEV'X$[,DW& ME^1<-U-2L[&J\I/)5EF:<_RRH,D2M;M SW>*.GF[<0ZZ677U'U!+ P04 M" #P.0A9BDV&2(X5)20 &0 'AL+W=O?57UEMF>GDRZ[>V:_0B0D(4T2&H"TK?SZ M?0< @C)%NYW4SGY(VI: AX=W7_#+6V._N8U2C;BKRMJ].MHTS?;Y\;'+-ZJ2 M;FJVJH9O5L96LH%?[?K8;:V2!6VJRN/%;'9^7$E='[U^29]]MJ]?FK8I=:T^ M6^:]IV)U:5YO;5T?PH?'"EUYL&/SA^_7(KU^!:-5^WGRW\=ARA%+I2M=.F M%E:M?AV]F3]_[_$#;3BGUK=NN1G@5=9&O,-?_E8O#]:(4:J5'F#("3\MJ;)$2(#'OSW0HW@F;DQ_#M! ILO#99;2J7>F_)O&PK<:]C6OKYD;PJS$M5[7>J5S M63?B39Z;MFYTO1:?3:ESK9SX,?STT\OC!HY& ,>Y/^8M'[,X<,RY^&3J9N/$ MA[I017__: <\5X$O-\N1@'^O:VGXF26B<5L<3H"[R32X83@G?QA.@Q=GF&? M#L-&Q7KNMC)7KXY !C#X M6M.)UWB.RX2QXF]OWGR>BC?U#BV#L@!\V*G1&U@F6B,D-LM\$PN2R76K68$ MX)*50M;"][07?T!P0CJQ AR*<&K">SBY+J0MG'AG"I(-I YA\N;Z72;@V^'E M7[<%X@QW,E5;KB5>8[DC\#]'^@WN?&O@'SKAYS?7;Z5LE,,?ZT99 M724'7T?&#EQ8RI)H0^X"H"24A^7@Z2WM92KC M/JLVZ("!*?7VF#R;QM3%LJZO_[E"'4OUO=[%@'/F5E)0N% M=VXVIEUOO(Z.BD%A4(=A35ZV!=P!R.6OL\^UE3$-[]M%/$A@@""(>ZD:V%K7 M+< >.B4#Q&H(// 70+34Z@:M!AR2\@]D$"@/L&$;6HI*?E/W,/&$A\,1[4[] M$N(C(/@4+-> ^W,-2"!@&"=X1#T]%4('-ND3Q+LCN %D],0*H9B/A5+F#6PAU MMX5XQY,!%ZU:H-Y.23N$S"#U^W1UP+6R0- 8]*&2@;#^UM8<5)&6D9R->84^M1,_6:&>]_GIY32(YZ,F[*LC M4KG Q:O02@\9P5${PYY]'RQ90[9G434'R<2T1;$"A4H,F!=MEPIL$453T$B M2P?1]99%BJ1"KE8@#EY:D)3H:BOT-B2!L%YY_I1:+G6I&U'!=4] POMYX M ME^N>Z3W$<^%S(I^*/.X)4@.4"&:@!%+ 9-"]:^ZD8$?N+*/87HV+_ ,_J*?\JR M)>YT_OMC[1K;'@P'1H$.:\(C3A*?!HVP%Z%<6DOD2R1CR&2D;CV"SKREP?UD M6U&-;F3)WY%"ZB(*&G/9AZ$0L,D=QHT9QI#6W)',L)>]H?I4:+;D#1 8LI&TF MR#)1R\8K# M>@LTHZRXCZRY'6??.@/NNF\Z.O ./IQMQI=VW(9X]'5K"K>02 MS)DMF'%0?%(2URY_"Q8F!&) %Y?D4'EZ#+$PYW,LGN-#'XSZ*W9TN #8E0TP M#5D$[ZIAH)ZA\$1V9PI&=F %8C&O@%)!.4:6L<'.8Y2U&B6*G")R"PJ+4] MOX77U4U+-(%Z@%UCVSVO4VEQKBO?[8LG>DA4)E:[3S6_V=8;""9P0"I=MJ M3() MN%S#.,XKW(M1*Y1W)&P4?V 6CIN!S$N]CE*C$/$T.8BDV+XDG +X.V, M-YP^F$WY#J;7P$W17I*G UM9*4MW7\KZ&RJM51R"NXW>CG 8G<(*DG.#Y$FD MHU#+)A&1$*W#U0H(HJR#V_ #5B(!\UY8,>4EHP3=$'67!LE??:#43\RC$T2(OC M;YUWH2ORG])1+@ J&"(>T"5B*;)Z+PT;>,9X#A X_#?8O*0AO@@-?)&ZI+H MC+&U0C_W_F,,-]H%8-Z0*A0.84'%*A92N7#1Q\>)LK6FW*%/T#7FJ#1 6 M2QSKJHX&W[X!N#5Z-8.YC+ MQ&6X42XFM>'Y*.4_=:;E.F(ZR,$GP.ESKP2Q1H/,LCGHX]E/&*0X7X"7+/?:M M(3MML)BWD76?ES+1WGHR\0!EZ;BT^ 1 YS+GLRZ+U3I2!=:#FG1[P#C*)ST M@0%%E1E?L:WA,J7^'5:MO=LH@G6.N1(EB_L5FA##ME7+/LR 8;)["R$J-I42 M/^*&GX);.5S9X3(K[*]T6Y$1_M(00Q0@NP0AH1@HL#!4.B[YX7(=%:8N/U. M'J@^-F]YU#-?X& 6J0L1WB MJX.;^2PM-Q#(_,Z^07;>@0HRA*N5K,WAY5,4.$:-<6S#L$3P(L%$3.H8 L M*@5Y0L$%P6'$]?[4> W(HX&?HL4SL0OJAFT-D^&)GK? MJ>X[Y'!J9(' O&7#&UIIR M0JJ!Z3O\V2PF/,O4M^HI&R!XDB%QO%#+L2KDP:06H '(?A#,87KY$ %W4?P M6(T%U; 2>Z 39 BV2K&?Y-4;#%THPA0HP:NV9*3Z@4M7S8IK5HJ@<]S33):[M"?W \$-,WS644B:R&\#:IXM5X5%F(4FZY?>YO;=@6$@X([B!P*%;.2P&4_&/ M R* "Z/)C":2"@W*!CZ2 'B[R0L&2+R*)3@BVU3\:T/=E8-L!;-,P0X2 &W(M+<;)8/(Y$30K-B]310)*L\3L JP3YHXJ>SYW-,[/4F]/*SC46 L,2IE MNY[:,*PE1&4J=WW1*317W^/B--\%=/@*!D)TC/0['VLC7XGOB?[^'*> M4)IZ/4%E++R]P!QQP!U ...N5H76AQ^B,!E%OB%G#)% O>9,,M<6Q .<9IW3 M!]3"4$.UO9Z8.FIG(#N7; A!!=!)'21X@LQ!.F>>T*>1T'^,W\,2EV#2X].? M(W(GHPZW&W:8CTXDO$[Z0?=*Z/VMFWVIP*PT7))(4&@*902E%Y':.46-86 M>M45N\&R=RDSFS3N:&IV=/011$A#@7FS5]Z(P4U!P8W'AGM4<+3K9PF8]**) MIFAJ#P=W0-+P=3YS@I,L?8]U-&-!,JB2YKN7'0L&3]^_0%HRZWH2RV[H@DKK MID3K;WW&TC^4'

%]@?A,?9VF-D?9(_&X^[4F=0KGIB%+&%Y:Y K!C[RS2Z*3O!;+OT-[C LAABS-KU&QP1T;6/JIJ M"1W%2L*/M88K^28Z;V1XCR).%E1V;UN-H'U5&Q3-!T4+*K3M$+J',M7:*BNL
MIR[3O%3W<'L3*9I-)&EM(J/V)I(\;B+5C0$)O8GL#))Q#KV#!(GF5VAMP9G8 MX[&[N[/I&NF,'<]Q#DBEA9LH8+-B2!9]0RS3M*H"3MTG%.6ZJ"LH%4CDM_^H
MBAU)IHK^+.=J4ZAN'YU4&QWUIAH2S0=%"Z#0VB%K2B[K==1<%FC1!8KF@Z(% M4&CM@#:%E_5$Y?5#E!"R'IN!HOD56EL)'6=BC_"N$G:,M%U7[=,F!Y2PJ> L M-]X5O(Y:VW)/3BSO M@-
XU5;)E+I.#)(O9 R&5R#WN[5 6AVDGFT:XWFQ"HOF@: $46CLP30UOG;P. ML8,LV\>@:#XH6@"%UOZ]J.DO8'- X8>(G7D.?:,)BN97:"VQ\\:3DQVMZQKF MN/A
)QDWG09L[C24EXHB3W&WV.A+0[<"!5O*S2$R0=L&H&@^*%H A=8.3=-^ MP/A5:!T&;4Z HOF@: $46CN@37,"&VOZE8T@RSQ&,5UV7UAF:QL]*+7KJK5F M9LO>G+]T'@'4/-K\-KT";.X5?
%DN:43,OX&9(7HG.VBI#XH60*&U@]&T#+#[M.M0+M,\ BN:#H@50:.V -GT&;/[5^2GU,EN[!O4";06\>!X!U#S:_#9E/S:7 M_9 "6\9#R?C#$PH&6KF#HOF@: $46CL@31, 3UZ'@H$V#T#1?%"T
JM'="F W>8+-3P \I6!F:Y."@=;W+YY' #6/]N..32UOFVWY[G*?9E7->22WNOCSA\' MS$"]GUD$+MEZ%AMF@30%0-!\4+8!":P>T:0K8YF<2GM"P M)ZS'AS7,;-F;\Y?.(X":1\GO<.O9_H3P5?
%2A4#%%^D"PKWBRX M95*RI#A-[2ZW) M P HA(!D !X;"]W;W)K&ULK5AACYLX$/TK M%JU.K=1;,!!(]A*D-MOJ[J1*J^[U^MDAD\1:P-0V27N__FQ@(6P<9Z/R);%A MWLM[S@QC/#\P_BAV
!+]R+-"+)R=E.6MZXIT!SD1-ZR$0MW9,)X3J:9\ZXJ2 M UG7H#QS?<^+W)S0PDGF];5[GLQ9)3-:P#U'HLISPG]^@(P=%@YVGBY\H=N= MU!?<9%Z2+3R_%K>W2]_3@#KB7PH'<31&VLJ*
ML4<]^6N]<#RM"#)(I:8@ZFL/2\@RS:1T?&I)G>XW-?!X_,3^J3:OS*R(@"7+ MOM&UW"V:<'1#7T8I-#^JU]="*#2WTW_@@ MN;1+%4XF2R)V[Y#^1!^_5W1/,BBD0*18H\^$/X(DJPS0
Z05IY*'0+^C>\;E MAF64(;9ID#KZA.+-G0+33+Q5D*V/=^C-Z[?H-:(%^F?'*]$@8NY*Y4#K<--6 M[8=&K7]&[=]5<8,"[QWR/3\TP)=V^!VD"HYK>#"$NVK=NL7SN\7S:[[LGBU
M^50/H#=OOSDI7994N$E4.*U(\TF*KAD)2 M6>F'FS%_K+37YL](9(,5B+H5B,:KFFA,UR.1#%S'G>MXJ*J)3](N](/H66Z> M!@63661.S6DG> 72J4A:HN-,PVKK&C[+1U-8$$>!.2-Q MW_BQM<-
>*)46?%&<(OJW!F);>B\[_9X.F+5 M6+<.5SL?B6WHO-]08/N.XHJJF1F>Y/%):AJBHNF9U/3[?8!O[;87JJ8%1W9I MIJA3:>[1 8(^O5&O_EOU/H(RV"B8=Q,K:[PY$&DFDI7UF<**2K@#L@:N M
]3]#6/R::*/*;ICJ>1_4$L#!!0 (/ Y"%E60UC1204)P> 9 M>&PO=V]R:W-H965T;&=46TIBD1UVQ#,_7/DO&42'7)5Z[8<$H6A5.: MN,CS C9,)\6]!SZ=L*U,XHP^<""V:4KXCX\T8?M;!SHO-[[$J[7,;[C3
MR8:LZ".53YL'KJ[<$LHB3FDF8I8!3I>WSAV\F>%A[E!8?(WI7AS]!GD\<\:> M\XO?%[>.ER.B"8UD'H*HKQV=T23)(RDFL$*1Q=O@F MW\M"'#E O\.!E0H7L 0-*_\ BT0.R(JU[(LETPMD>\-
Q:1$"*.I#^L&.Z^ZNJEE5.%05#A7Q<&>\ MN3Q*^0K<[53&>2$&:G,-A"KD%?A$8@Z^DF1+@63@+E65B_^E"S!C0H*_[^9" MNNHW2LHWU%G^O-/,!^,96FIV"U0N&J4-@6
M?:JSCE36IE0/_D'AG],/,AJ,O)$W<7?'.;2MQBA 8655 ^=7X'PKN*=,<5]2 MH%LISC,NRT.$X=' J '-8('-N(85KN&YN!(F!#4"&[:&'03C!C2336#&%E38 M BNV8E'O\D5M A6T!E23Z>$&K+;5&
W#H1G8J (VL@*;4;70EG%$I*(@Q4T+ MNF$B-BXY:Z!+=U=/P6HYAU7.X9O24-AGH7H*5BO4N"K4^)4T-&ZMR=!'S?W4 M-H+>>.B9%R[T=!?V7LU#98C:V UT!!..9Z0/]\/165,6H\TV1)^SC_< _JA
M[M?0VN5.T%;IW)C]L)E"VRJ?_JX:ZQ8)[3URQM*4\B@F"=B0#>5&A-80EV[% MOJ+5$]9M%_IO2EO0VO8O+E9/T>K%TEH VL7 :>J"[3:/1Q &S>5K,/##W8L M7RT(H%T1G,5>UA
7SXA!0'1DH=4#M,N'\XANU"8ZV&P2)B._ YYN]-#:'D_Q M5VA8 =YXU$1F,%,KH(O ='.%]NXZ8WS#N!)>2G2IG2VJG6W$:HUU\5+H*5K] M%*@[-
_+>]AQH%0X7'P1[BE8OEM82R*XE3C,9:@L)",>XR60&,X3&?H<.0T>' M>KM(.(?)D$$$-.$9U$0'-*T1D%TCG$5/98P:\S3/7B:,+G2ZH2/[0=K.3JA] M0LYGU6\B,QRD+;,J&R@Z<9J^?KP&*
[:C/$MI=HJ>[,$NWG$]1:NGKELS"MZ6 MGGIMZWU%JQ=+*P!D5P!GT%.[LX^'8;/_&ZP41K]#H2 M 9!= IS%3KV>V%%;
M+W3M1JT5D%TKG$=D[8/VP!\VZVPRZA!:6'=T;#^+VZFL=*X]AQSZ32;#AK-Z MX'D=#[BP;J#XQ&&\P61D1;/HQPE"L\>\=$GT%:U> =VA\=L^=\>]/GCO*UJ] M6$>/WE_]
[+W7IPJX+2U"+^P0%UB+"WSV4_INQK#'N#B3MA09P [JPUJ(8+L0 M.4$MO0]/,EI0FXM1'^7O;SX2O5&6Y@?I_R9A\N MMA=9%_+P'(JF^FNE'TV..:Y-
(,@MS:Y448FBS'@IDSM41))W.E"V9IJ1>A M66ID,^]4B#"_HEY8,"Z#M. W;G3:5Z457,*-!E,6!=,OERC4>A"X,'CFNS,P>G9*K4 MHUM\F@V"R!%"@9EU"(P^*QRA$ Z(:#QM,
(,ZI'/52#/Q,Y+MVE3*RF4TY^-ATQD[? MC?#AJ>0K)E!: TS.X)KI1[1L*A FF)6:6XX&3N%XI*35E,Z2";CBDL9K9K?G M:M[L> +'8]KD@F9'P"73,1P?G?
P*$U(>ZF3$=3)BC]M^!7>,4[M#N07#%1%V0DZI_$\-):>UU?I" MIT*HC%F<^71-N%R0XNTQT'60];!0VO+O9#-2QL+7Z=+3XW'UK4EVQZS2S<[_G MA5FR# U#6
5=I+HB3JAZL&+IV:2V@73/2QZMX[>_=]5<,6XA@1+?7E/^HW9S_I.:1''+[^R,G377W1^1PIS&Z M-X8ZTX)+ P+GY!>=)41=5WV[6EBU]+URJBQU7C_-Z:E#[0SH?*Z4W2Y<^ZT? MS_0'4$L#!!0 (
/ Y"%DEJTY2* < X^ 9 >&PO=V]R:W-H965T M,3=M"]>!2=-('^_"C9%7HXV0FQ?C,?E8L,R6EX46Y;+3U8%SZB0+_EZ7&XYH\MZ4):.81!$XXPF M^6@^J]][S^>S8B?2)&?
O.2AW64;Y]UXO1^'HQQL?DO5&5&^,Y[,M7;;, M)CYMWW9'M:MRH+),,Y652Y("SU>7H9?CB*D+5@-KB<\+NRZ-C4$VEMBB^5" > M+"]'0>412]E"5!)4_KMC5RQ-
R7IQ]>#Z@Y9S7P^/B'^NMZ\G(RM[1D5T7Z M=[(4F\O19 26;$5WJ?A0W/_!#A,BE=ZB2,OZ+[@_V 8CL-B5HL@.@Z4'69+O M_]-OAT <#0AQQP!X& #[#D"' 77DQGO/ZFE=4T'G,U[<
UY92[7JH(Y-/5K. M)LFK9;P17'Z:R'%B_IHF''RFZ8Z!8@5>)SG-%PE-P9N\%'PGUTN4X.D'MMAQ MGN3K*F))^0P\O6:")JD\^@\UNKD&3Y\ T] DH./FV)7TGQ9SL9">E>=8[PX M>/)J[PGL\.3/77X!4/

/94R:P, F,+#60R<# M\QR\+$LFXR#G!=XF]#9)$Y&P$KQCM-QQM@0R'56(*JN_BIPW;[RJ8@;^>2M/ M -X(EI7_FH*S]P:;O:DNYA?EEB[8Y4A>K27C=VPT__67, I^-X7*DY@6.-0$ M#MG4YU>TW
#V=9?IZBWP&SI.8%KBX*5SL M)Z'C5JI.,)P\R.>V41A,263.YTGCXL2>ST66,5Y_KVSIEG&3=U8%U_7P)*9- M=MI,=CJH1)[Z#)PG,2UP8:!8)/"3R@>=XS1%ILA?1#,)C,V5WWRIZ<%3!!=:.<FA^E-
URQ? M?#_ELE73>:$\]>D14#@63H:5Y5[ASI>:'CR%=Z$5@ARRW"N9'=0T? _BB?EB M@ JYX GD^G+V'63UG,!JUU&YL8LX5R<\]>E35O0&PT%E/_0*@+[4]. =5<6L MC-2KNG.0T&[<,
@>WM]-9BB.4$=**\R")PI0/7YMVB6(KXX(E:6Y^$)JU,C2$A#_.Y;06CN(/&H:(J:*%&';?RVF 53;KR6G$4M'/46W;' M4A"" _]3"&7WT2E&^U/2=$45;*!A4LB.OW.9+30^>XC9THNK69V,I[(4>)K-N
M]$"*CI"=CCX60E+'JME%!?4:&QWMQT@F,XNC1WMT=D8R7'SRN-^/ ;NT/,5.Z/'LA-I49$QT@YDET14)(3L][1,=GOJ6L:LX M+\LYN DI;D+#XB;DE9M\]>G!4]R$'L]-J$U$X):
[0MM*XQ(!ST36_=542BX(W8X:WWU4L,)1]# M3XW!5-)0Q16$7MET3WE'SUNG7:V$_AO"#G0"6B4(F@05V^Q&O5RI>:'CP%<,13 M$SLQ]*>W.VT,5I9.&W+4QFZO#_5+^E[]-
_8S.2_?.=B)*'8BP^IU)UXYS)>: M'CS%:\03K]EUG&>]5SM^&J6[_X8HJB,_1W6G?XK9A9VG=PZ8(PKFR+!@CGB% M.5]J^H,S"N:BQ\-<9*BQM5L8["?ZV8DHF(M^JA+G\A/'?@;GYWK.48N+%#1&
MPZK%15X!TY>:'CP%F-'CGT.,VH\8&AH@["=RG&PO=V]R:W-H965T=WG/Z@!'.JMS\2W>,B;14QA$\7RP ME7)W-1S&JRT+:7S)=RQ2GVRX"*E4N^)A&.\$H^LL* R&EF&XPY#ZT6 QRX[=
MBL6,)S+P(W8K4)R$(17/URS@^_G '+P<^.P_;&5Z8+B8[>@#NV/RZ^Y6J+UA M25G[(8MBGT=(L,U\\,&\(I:3!F1G_.FS?7RPC=)+N>?\6[KS<3T?&.F(6,!6
M,D50]>^1+5D0I"0UCN\%=%!JIH&'VR]TDEV\NIA[&K,E#_[RUW([''TP&:,TV M- GD9[[_E147E UPQ8,X^XOV^;FN/4"W)8\+(+5"$(_RO_3I*(@P#%:0^P MB@"K&3!Z)< N NRN"J,B8-
15P2D"G*X!;A'@9M[G9F5.>U32Q4SP/1+IV8J6 M;F3IRJ*5P7Z4SJP[*=2GOHJ3BUNAJ[F0SXA&:X2_) Y.31MY@7Y7D_JMQR3U M@_@=>H^WGGH[9MWZ WR(_1ERY-8!
<2SH51C2$G#5:%WG>M9K^C9Z!./Y#9& M.%JS=4N\IX]W-2%#=>VE =:+ =>6%OUA;$ETBV[A EF&-6L:S[!YNMUW.CZGC M'U,G^G"/K52XV19>\]|(N)Y.=\>P3D^D"W08TDO4YA?
Z^4:>CCY*%\3]M$R=G MC]K9:86]BG=TQ>8#54)C)A[98/'S3Z9K_-*6-4B8!PG#D# "!*ME>U1F>Z2C M+[YP20.T.RP@["79;?G-:6Y&2V]XCPO+G$RMV?#Q,'%:S;Z)ZR2)(25)BZ3E
MV&8I6;/:*:UVM%9_6*V2, FH9&MUVU3+6/DTOS$KTVG(A?3_S0ZT^9ZCG8,1 MO9],[$G#=^T ^OK>21)#2I(6R;%EN^V^NZ7O[NDI?E'-\5U9ULJ9CB+6.MO= MH_&8MN&,&JYKY?
NZWDD20TJ2%DG'FCKMKH]+U\=:U[W#&U$-TS-HL'A^) M3PRC8?#XZ.MH&LV3O&.0NEZ[X5L+:>JX]9.(]L+^9SV>E+9-M+;=T'LNJ.3B M65^'M92^]UE(F <)PY P
@2KY75:YG5ZQJ>]*62V(6$>) Q#P@@0K)9MTZC> MR S0YZH"Y]1KG.LT*J%>M6_RNHEB4%%R4K3N^,$[L*EU_(-QE^Q$RYK$7V_ M2* T#Y2&06D$BE9/K56EUCIC\2S@4$F'I'F@- Q*
(U"T>M*K-H2I?>_ M7'T M MX[IB3IOU$[2ET$42@TJ2$Y)UKZLF@*GO BQYN$LD$VA+Q7I/!* V#T@@4K9[IJ@=A.N* V#T@@4K9[@JD=C3LY91$%[-Z T#Y2&06D$BE9/>M7 ;,4=
M@_Y%='!47$;'SZ.@S9@NDAA4DIR0K/^:6W5/+'WWY(;1F&UYL$9^J!Q_9*G) MK154#^K[90*E>: T#$HC4+1Z@JMFC66>L8):H&T<4)H'2L.@-)%JR]:N-8 MVHY!
[PI:X.J_^UAF\\=FO6KO_'42Q:"BI* Y#5'[E3I:]5 L?0]ER:-8BB1? M_^5'J?Z95SA?I%OA\S7#GZAX*,8!6RCI(S+ ML1JOR)?AYCN2[[)EH_=<2AYFFUM&VITD)ZC/-YS+EYU4H%P,O?@/4$L#!!0 M (/
Y"%E)EIG " , T) 9 >&PO=V]R:W-H965TJ- IK7H)*[@>?%;DF9<-)_6ZATHFL#&<"%HKHJBRINK\ +G=3 MQW<>7ERQ=6'L"S>=;.@:KL'<;!8*1V[']DK,2A&92$ 6KJ3/SS^>)C:\#?C'8
MZ;UG8ITLI;RU@R_YU/&L(."0&0K-)&EBT8%91, M-/_TKLW#'L ?/0$(6D#PKX"P!82UT499;>N2&II.E-P19:.1S3[4N:G1Z(8) M6\5KHW"6(3DXQWN"PV:4)&3'Z8 1>:54B ,^<;HDG%F&,Z>7H*A
MC.LWY!VYN;XDIR=OR EA@OPL9*41JR>N05F6W,U:"1>-A.)"5\K<49"[RT) MO Y\PR\&0[A?P\'3T64DZ#(2U'SABV2DSV[#/^KGM\?R7&]H!E,' MSYT&M04G??W*C[T/?>9?B.Q1*L(N%>$0>
[I0<@7:'EC*R0KZW384<4UA>\8V MC=Y'$W>[;(XQO?'<1?T2-RH$S<:%#>7I2T0;;H!UD@!IP8+MP0!*V9ZQ3:4 MT9Z0,/:2 [7'07$X*2*.D7&7@[HSEJ7?2ICH\!9%W MJ'IP _?_/-W?@9[N;8+;D]S-
B\,BE$>ZWLF"G(#*N3XT[J8F9K!6#+U;NI M!!=][GD?'Z?1VTOC(^=)YSP9=MZV-.AO:,)N:5G,TOAP2TN.#G#BQ>%!<8^# M?#\>'VIW]RXK^Z'PC:HU$YIP6"'..QNC=]5P64 M#
<#YE93F86"OQ.X+*/T+4$L#!!0 (/ Y"%GLHARHDP@.%U0 9 M>&PO=V]R:W-H965TUV4HF]=BS^S"U#UAJ250$:)LF3JFKPV=#L% +=!$S)P^)A=SW!]P# M^_
Y#P_5SHKZD&RUDUC9M9X_2FM]%Z][;?3Q<;&07!5,*3L?G-*E%1H,VB6O?3 MG9+!L@B*MGUW,!CWHR",>_/KXKM/:GZ=9'H,QO*38FD618'Z?B>WR?-S^F] M?/$Y7&]T_D5_?
KT+UO)!ZM]WGY19ZA\HRS"2<1HF,5 R=.[=+[ZPU$>4(SX M=RB?TZ//+-^5IR3YDB^\6][T!OD6R.U89UY MX/'G%[I?[+S9F:<@E?>)]C_A4F]N>M,>6\I5D&WUY^3YG[+!+@ M.6<"1F7 Z-*
<1DP+G*_3U:1.1[H8'ZMDF>FM\&&EG\HY"JB38+#.#^R'K0R MOPU-G)Z-ET:6E+WB4@?A-GW-?F)AS!XW298&\3*][FNSDGQH?U$"Q1[HG@%Z_M[$,2ZTW*1+R4RX9XGXX?
$_%]LW.'/71?]O#.)8&^?+IB[N"-^><.V>\G+W7-MZ35;Z9__X4RFOS9LX#W->Y [PYL5/\2']=YM]GZB@TFE_,$S?M7%E\Q[$^ MLE#+]$D5,_22RCL7Y;,H+%O*F9ZZ_J51?96]NMGT\:#P D#"A
DDS ?!+*F' M!ZF'%'W^D#UM=?_KL5+U M,=Y@]$2044V0XS&6(..#(&-2D,= K4TE&<1Q%FS94Q)GC2*0 MD*XB(&$<"1-(F+-^'S8[4WY" M-
>HV0>]&A'$D3"!A/@AF"3P]"#PE3\>\T&G2D8SJJB,2Q[#,.U=!)V9-SFY M"DYK5T%KD)7WV2'OL[:\CYKR3D9US3L2Q1$P,.OEW9M.3\3M'ED%6WIU!U0D. MVC(,LH\'=8U]5
:A])$2,,2.QF='O5MH^ST'S7B3EOZ)XWI\,ZIQ])XU":.M*&GV<3T^/?C;1MGI=ZOTNVWIGS:FGPSKG'XDC4-IHJ19B9U:.NEO&66GO^K\ M';+,;G#]NI)+!2DO5*.*TO8?2.)0F2MIQ>MW19#
^5:%MF"U#U94[=%O^F&C3 M?&3Q,DP7219KTP^VE[8TL[,ZT%8=2A,ES>X-'6=VJD[,,%N=JF5WZ)X]]\?> MLC#:9;DPH9'';+ NE 3:JT-I'$H33KU=_\49S\:G'7O[.%N4JFUW6OKVXI0I
M+$OV/@R>PFVH0]E\HD";=RB-0VFBI%FNUM@9..>BM VS-:F:*25RMPH5D*_E>.*H#;=&A-ZE"2C-1)%LK:L^W9G^]J&#K29 MA]{XE":@-!]%LQ6O'
*'M@AN3:6X+TN6[$_J3MD=#>HL,.0V@-*$T^)3 9' M-PE*Y=J&V;=8*^__I;V#C_L33B=,?M,R+]O&)DEH4%=)H#0.I0DHS6\10*M,
M$B>76]D0+FU#_)9%3U+E]X0*)8L9)*;.C%)SJIVY=WQ'(SMK"K4HH#3AULT'M}^04(X?8HE3FA$N;$Y]E+)]-E9D+4=RN.WMV0=T**(U#:.(E8R/V70:JJ0KW
M_TJDK5OE:KBTJU%=%G/EPZCOD8 ..G) :1Q*$U":.WZ)!YG6Q\D96LN+2SD09U%AAJ^Y2TXUIR6FOJ'!2=/HIF"U?9.2X][Z#)PEU;Z T1ZHMI*53>/2-LT%4SQI0F<)H?Y,2;-
FM]1//>0J?13-GGQ= MF3@>[2'<[J<>AO%"%;J%,4M?-%1Y2?0J2%G_=E(MS-+K)D'I-72>APUU=TI: M/GWCH.C@:N!.1B>B0E?KHVBVJ)6?X]%^3D-E>]>H'-3#@=(XE"-@-!]%L^6M
MG"'/_5&5K0?UBJ_T#J4)*,'U'T6S%CYZ1H?V,RRM;&M19X(8I[:.,L/G,SJIQ[4 (+2?!3 %]PR@#QZDHXS]4;L0Z"^2,W,]_DCV_7"]%%&J/T# MI7$H34!I/HIFZUW9/Q[}>,[?*8N@?A"4QJ$T
:7Y*)]M>.4;>,2ET]$L:GBV M95PK9,[!756#CJ=!TKS431;NZ1L3C>4ZM M)/5]%U%2$-T%@_1 4)]/HMF"53[0D)ZU\B'X5CR(_"=KG/O\GA*S+>)^GY^ M_C.JAZ]#Y3&H30!?DHFJU\Y0<-
?]A+4X90@PA*XU":@-)\%,U6_.C5*2T3 MD?["%$T:V5EJZ"PD*$V4-&J*)CG&%J6RA(:T)22*BL>$JV3J/BXD<%2JGR M^?TJ2?3+0KZ"PQL%Y_\'4$L#!!0 (/ Y"%E,]^=Y70, $\- 9 M>&PO=V]R:W-
H965T39-6L]-)MFD[,!!J"-9]<]M&)\%FNRW\^]E."&U$0MGZI8V<*(UN7[=#%:$/K(Y $=/ M>5:PH3'GO#PU33:90X[9"2FA$&^FA.:8BR:=F:RD@!<%RG/3L2S2S'%:&-% M]5W1:$ 6$L1+N*(+?
(5@C./X;!*5?<46^4H+NAYN.!5O4\C MT06(+ # TC'Z50#%/BQG*0!>.$,,180P<+!@N M$C8PN1B%U#(G=<3S*J+S1D0779*"SQD:%PDD&G[4G!N=,I M^:1G"#7^H(?(X M.V4EGL#0$.<5
[H$(_K\R?:MK[J4[E,LWJ?8>$]B&\GWFN1[7>J1,@_JJ}2 M\96*O B646B% W.YGN%M3.!:FYAX&V/WO19HK 'YOMV-HSV&J.]3J_WF*;X M(8-W?%8BO,70;NBU?
&YC/"]H^=S&V+;=$AIO@T+'U]OT&YM^IV+3G?+=F)= MRVW9TX"FU_&E OZ.L-]AN#_4Z#]^H>AN08+\7*G0%*4C8ABX(C M L8Y!9[K2LZVU85@G5MAOV=X-%N\&&[\+VS ?-.:#CYFG(
NSU^W+@>,H\!DP M94>Z7'3+VQ925!2@O+KP; D,)WEXKW-ZKQ7D:U,3=A,S?AAT[2 M$C^+XI9K+[9.I8]>,/L4B\MS1]8[?-9 ^JO@:KTF6L58@YTIDISAM1>K8J#
MIK>I_L]4T=OJ/[=/1[:F/Q9?"U5Q_RI??6I<8CI+"R8F8BI"62=]<<32JGRO M&IR4JCY](%Q4N^IQ+KYX@$] >#\EA+\T9(#F&RKZ"U!+ P04 " #P.0A9 MD_$N\SP" "X!0 &0
'AL+W=OJL9Q)6>&MD&B&H_K$ KMH,3 _#QX({M*<]/2)9 M+;L/?U6CN+#"PE$R_4Q)IV&7X9C)?3GU\"C*H#4G>^25,)5Z\,,'L.1 M+P@X%-8S4+<<8 F<>R)7QO>>$P\I/?!T?
V1_'[0[+5MJ8*GX-U,:*L-O,"IA M1QMN[U3[7H]KSQ?H;@)7]1VL,,(HZ(Q5HD>["H03'8K?>SOX03@<,8!<0^(-M_Q:0)(D".TJ"[)6U-(\U:!%VD<[-K\)=Q/03@V3_A4W5CLO,5DH
>AR!98R,JZ<[WZS0I<75^C":=&72C6&RM*DQ+H"/ TI^F2+ M+EG\AV0)NE725@:]DR64(_CE>?SL#)XXX8/Z^*A^$9\E _3(:Y1$+U OX9_J2<9'B,)/ E9Q]C[%X[W'036?1V3-1_
M(GLB<3I(G)YCSX??3(.TE/=_VYCDCF<6>/PL.N3Q-$G)X53)[S%)%) TQ?8'D M#B$Z'V8&085]I&VZY/A=!A+ Z$,R.:P.J;=4KUGTB ..P>KE^['M7=G.@, MJ^K0:EME7>.&,>5&*V@?X/P[I>S1\
F&89W -!%!+ P04 "#P.0A9"V2/ M,ND(#+6 &0 'AL+W=OQ!/ZSZ80)C&QUN'88XD?:/[PQ@ S:> M!.DYRI?$V+R -X"'N3TP-]N4?\\WC GR&D=)?CO:")%=C\>YOV$QS<_2C"7R
MEU7*8RKD)E^/\XPS&I1!<30V)Y/Y.*9A,EKTH0QBS)P50AG*UN1W?& MM3>=J8!RCW^':)NW/A-U*,]I^EUM? UN1Q-5(A8Q7R@$E?]>V))%D2+)9LF4;_"0.QN1U=CDC 5K2(Q*_IUF/U 94%]-,H
M+ ^2;,W0$3\(A=I7 ?+1$1A4OVGK_6). 48YR<"S#K_&C M Z8'@:,3@2< MUP'G\TPJP F\TPK?F\UP40=<' ,3P1AD&(4:.%)0)9I(D)DS1(9#GY MB]R.OJ< '>. EU!1C+I,[L O>;N M]
Z;6N)=L3XCD^D78D[,24^!EOIPASUKPZUWLF?\C$PG)\ M??C?BF07;ESU M78T/AYOG/>'NQ\G?==2' Y W\C$Z$O>N9#3 7TR+7'3D_?)-GYX8>2. N?8L,X$1N:D&{0[W^73/)5L#C ;\ QW%
<%..\O@&&K#KO.,^NQV M)!NIG/$7-EK\^4 &?/+7/ETA81829B-A#A+F(F$>"-81Z_E>K.J4?"U0M[8HQ-1R@SQ'[0@3C<9_JM*2AJD/"+"3,U1^P&7ECE/?U M2AQD*5PDS /!.@HS)LTB=<5G-
N(SM=?@(4S"_MN(@)C=-"]?V4U (B4I(5W-_0G"DWY)D*?\-R=* %VN2\30H_'XY:M,EB-2 M9M6T]DR7,9D?SL,8T*0.E.9":1Z*UM5>XT88VOGCQ=U:JFU-!1LVQZNG#I88 MU&2 TFPHS8'27"C-
JVGM6W/>GB?M*JRQ$ R]A_#(64;#@_\9U)=G$52;67U M5F0KGLH*;Z>\7J%!W00HS8+2,"C-,8X=A=GTR%& YO10M*[0&E/!T+L*+DL8
MEX,%U6NC02P;U5S4LR1_D.'3?/IL@Y6'1%E0F@VE.5":"Z5Y*%I7H8UE8[[/@!H>4)H%I=E0F@.EN5":AZ)U5=L8)(;>(,%?,Y;DK.P8LBB4%6OU#)<< MB63MMKU7CE"S!$JSH#0;2G.@-
+>FZ3L#'BIG5V:-%V)H9Z]W,E,JV_)0#DC2 MU:I74E!+ TJSH#0;2G.@-+>F=1ZK,'HT]2,<"Z.Q+ S]%'R?IE2]8]&O;U* M@]H84)H%I=E0F@.EN37MY+"T%MJ/,"
[,QK@P]7/X=U)$@1S5JGZO;VKJ>EQ, :H,[O49QNL*:A- :4Y4)H+I7DH M6E=3C9UAZNV,;Q\P+6I$1TX]5134C(#2,"C-@=)<*,U#T;IR:DP+4V]-[.34 MJ]!
(D2D+5NX9^K(Y}&67+0S46#5@>;A.3GJRYO&;#D?OD"SUQ1DL,J@/ :4Y M4)H+I7DH6E=TC0]AZM^=:(LN*/[;Q'E?+^M03%![$JSH30'2G.A-]%ZXJI
ML0=,O3UP5SVUM*N\,CFBM958,.6P=3*^.NL*(1RTDFA:%W5M5:$>N<=C &-.'T]V8ACEWW"KON$?7@)N_(3=NDG[-I/A+KF#9> MQ_3\TQMQY&3^$DJSH#0;2G.@-
!=*\U"TKFH,2V7ZWNI2N$8<^@X(E&9!:3.4 MYM2T@T;_"]1M95$;1L_WCG'M5NOJ-OAJF=\'RM=ADI.(K62]R=F%/#!>K9Q:,8@T*]=A?4Z% M2./RXX,1@'&U@_Q]E.9BMZ$2[-&PO=V]R:W-
H965T^& DZ "3HVY-%/_^> E (":3$2:9GZIL[M(#P?F^^?WR-QULA=RSA7Z&H5QM!:*[6Y,[<3,\TCEMR)#8_U+TLA(Z7 MJ5RUDXWDS,^"HK!-'?2CE@0MR;C[-
I,3L8B56$0\YE$21I%3.Z>~"BV#RW< MVE_X$*S6REQH3\8;MN)SKCYN9E*?M4N*'T0\3@(1\F7#ZU'?$_)R 1D=WP* M^#8Y.$;F419"?#8G[R'EF-JQ$/N*8 @^M\SG_(P-"1=CR\%M%66:0/(C_?T
MM]G#ZX=9L(1/1?AGX*OU0VO80CY?LC14'\3V%UX\4, P/!$FV5^T+>YU6LA+ M$R6B(EC7(KB_#_[6@AQ$* ?M#F %'D. "?">@4 9UK [I%0/S!\]$\YEBDW&4FR1-
'=KFCG(U,^BM5Y!,%Z4N9+ZUT#'J(2PIU&=)IMH%K(8O631Y@VB\]D, >1RQ8(P>35N M*UT5 VQ[1;'3O%ARIEB,WHM8K1-$8Y_[#?'4'M^WQ+>U!*4.9_ #$[$"W_+%
M'2+#GQ%QB(,^SEWTTXM7*#']}$V/9Z?]RN([U,$9K7N>XEY/Z9RGT N4U%*< MHBX;D\,F5$VU3OGV=#)VQ_KV+$[?GD5WF\UAJLF$>?VCI;C+A\IFW)B]_P"WG35/2(&$N M)(P"P6I](}9)[-
KHD]_3:,EDO$\Q8?E"W>O"T)^\],\J.%?QK=B!A+B2, MYK!>!C,C[_.D,VX_TC>*R7O72EYWA31)I7>VC2/)I5{\5W'<=QUX:Z367(L>9+V,B/08X9DIJ>1Z1- '2!KOC^1)T4 $JAV@_#%CQW9[
M!6[.$B3-!:71"U)C!^TXDS;GATF5-W(I;V9292:Q1GPE% M1?#RQ+7XUXSV+ M=S\FR! 1I,?\1 GO,Q*I2A2+_2!>-2;.6H.;$P=)V;57V M'%N-X^]0A$B
F:F3XT*@_IK4)H+2J,7E+JF:52&&ML=]2>>*/U*HTW6M37J M#NJ<06DN*(U>D*I[6?;*5&.[JW[T_<.8BEH_M.]O\NZHJ+!_,+H'29(R,1 -, M\P3IA*?XU,F307= G'[=S+N_-W-
<0:=7OY%"U:^N>.6N\97VVD^]W+]E:\3$ M(;A135"7#4IS06D4BE,/2^6T\?>VVAC4:X/27% :A:+54UGY,0Q@N.V,F[,! M:KE!:12?FF[2U'>#TB@^==Z8.$,\.#-))97S M)G;G?
7&2:H^_5610F@M*HQ>4NF*22BK?3>QFD$:,4.PX1_/,BLV*+Q!G7;0= M=W,60%TT*(U"T>}]}8PU(=]Y\":@OAJ4YH+2*1V:GQ.NMN6C#U^00(;#MO!:.FYQX]U4SSVA M]_V:<V)?_T%#IS?
VNB8%%L8 M$]N1\PIRGDY]^G4GN,#),DS6EV!&UF&2R$U%H7D/I:2+\SG(C6<3OK'[PW/{(=88-%MH&NK(P-M)%9C,2A8#+0L;E\(\"T++>3F-P1./*A2/4\;#0MM 5AB&Q&HQA 6.HA2&?UBL2

MGBB-X3$," [SJH@4C; M;E=$QZTVYZ]:]J,B^Y$V^^^$RTH ,G] LD&"GR("L #R:4ET#]O9Z*A'_>'0 MZT.O@4';@:X8#(G56$&GM&K..;0HD["VTC?+,4'!7AX]BUBN?D;IZ/O1%9HI MM3JUBL&%6J/S([7^]LKVA,E7F;=*(V#+PH"HH999H%9FT*0%,JJV,*56YXI* MKLBX#JH[0W<9OEI&^Z,R9!:'5-ILZ'6B^J,4!X)875$]KPC'$:.=LRFU.M.H[2.T.]>=9ZH3RV >3().N;Z SD9}AD6/IDJ#?*6C^4Q]: #'I'/(PZ95-J M=1ZE5X9ZL]S9$.5Z.49>SQDT(1EUT+G:R8FLGGSIC:'>'`` #^7*C5(9-%^J M]!WHC.%G6&=8>F>H\\?.43^T4UL*QRC1MJ46IU8Z;?AJ)L98D1]'%:#+*") M8#@0.QP!05@,+EX)9OQS*SF3KGIN5&UA2JW^C; TZ4AOTBOS5QNY=Z)]D$(' M+HBSCY?0!TO\VO9U;JZ7ZHKMO([!$)6.'&F=Z4=FN7>4ASD^5.!#I_$9>.F MU.I(2S..]&;\@S/A.^J=JM*H>3>E5L=:FG>D-^]'T^5:N7F9NR!@A4,&]CC: M$>5/;+I,PK,+VLU_W_^52NGBD=_&/"2,!72?A MOY)-4%TV4N67A;MDGU4G3Q>4,E('S!;MJXZY&U#5$'@]WRG^@>; MU(R^$IA2J],M7PF0_I7@J.HR\PM6 M,6'K=.&8RTK<)2);T"N.%HO3_^F2,./X#%[/LR7F4B9;\;[#;!W* 1V1E91T M>D.9 ,L6D,,=0;?ILNH3%8+&Z>:&X"5AZ@)Y? D6I>-M1#11+^=/_%!+ P04 M " #P.0A9%C+WG^H" "]!P &0 'AL+W=O]OVC 0_5>L3*HVJ24A =:U$ DHU3:I&BIJ]V':!Y,&,P%31?0ZSZG:CX#+ M[X> 1[,.C-WPXWY!ES #\U1,%:[\FB5E.0C-I" *%@-OV+X9]VR\"WAF ML-5'S\1F,I=R91=?TH76' (3&6@>+?!L; N25"&;\]3]^I04>/Q_8[UWN MF,N<:AA+_IVE)AMXUQY)84'7W#$*[6>H\NE:OD1R[7{)MHH-/)*LM9%Y!48% M.1/E/]U5/AP!D* <9$%:.\"6@\PH@J@"12[14YM*ZHX,&?26W1-EH9+,/SAN' MQFR8L%6<&86G#'$FGF54P=4(C4C)6.;X<6CJ_+TB0XVE+>Q"DR=[S@2Y P,* M93"Q)/>4*?),>1K(!T13QO4')_D M!9= [@).0OF\P)2O,3RKYHU)^^(K\'GF0PF2.3$0*Z2G>1RMJ^*#'Z/P+.'7 MM6B1*!+@D81'V&O2,WPZ/SLB)ZO)$CB\Z6Y[YW^49*D7%$O ^&3+?D^.X*=V[_M[>&6JO3RN$'%:4B)0]@,IE*!+I= [\F,XUT;AK?K95(529:=9I>TT-[J@"0P\ M;"4:U .\^.)=NQ?<-EGXG\A.#.W4AG,.L<>378$!%W:2(Y.VI[0I.X\O$?V0)5N^D+^ 5AFX!]UPAS4 MT@T(31*Y%J9L O5N/8.&KO6^V!_A,"1'R1^:($X+) R:'U$G,RA1'(I_D#5W=NJ1+3%#)!688X3/K.5WPSQ%UM8%I\[2 M&]=(HXP9>]8WW^*^XVF/((%(.@FB_I8PA"312LJ/_PI1^Q3&VY>K]7_/* M9DP$#%GR@\9RUG2J[=4VK_509)\;L$S3($39OZ?@CF MP"F+D MN]PDLO9Y(E&G).I8B?[4V6HW+^?>=_.\QU\V.\][J_Z)WG=+[[M6[{^,T:AS MOKOG_'78\7 8[GAOU3_1>^Q5N[9G]5^5,!.@!Q *VRV&IB)H[R#8^SB58./R MP.]<$VJG/[@"JE-I*#EUR!9NSP5R.^0_OMZ87PF5+=N=2VPU!5-MA:.=2, M['&!>2,K%KUV-B:!WPCVIL ;K,:9]E(%VTN*(M\=BU+K?]X#QIN9L>%W=P$N M49'@JB3!]HD3XT?XFSM<_H-'.QR7J+ZP%7Y@:T;?I5"/X0:U$V.[NHEZ@] M<%5\X/=6\>N1TM&;A^U&"]1HN"J1L'V(N5?)DFB:NGB8^)_!0PO^ANW?C!S M,>QO,'F-UB[2)>H67!4NV%ZY?.",Z0WE]OIC*3SXK617>"^[NW%LD0*?FM,< M@2*VR&1^@E$^+4^,OIIS$K=JGA\WW1.N-@Z!$I@H4Z_15KF%YR)'ZX^_MW MSMUEO#'VP96('IZ4U&X2E=Y7YW'L> (F*N3-3H.:=PEC%/$WM*G.5198W3DK& M:9*,8L6$CK)QLS:WV=C47@J-AEX5:L2A\6XFQQ4RQ+YO#"R'N1^W(2?8D@QX+5 MTM^:S0_MQ(USQAL[5-(N"U\T9MG8E "=V^V=/V'G8<^F\YI%N'M.%N M#VHH+YEGV=B:#=A@36IAT(3:>!./ 6H/W];T='\ MB9X)Z4[@%%[OGL+46J97],+BO? E7"%]3Y@)XTNTK,+:"^{@6G,X J'A1DA) M]^_&L2?> <&K,MVRSEBU]@^UG+<^@W_L$:9(.X&YQ"<=')S"W9F69^EEQGO60BF4 C-!=ZM8^F51Z^@V;8T0P/TMRP)Z%J!2S/1:AJ)H&U M@)11.:ZIR51-9C*= S=*H>6"C)202+6D$2KVK)I,/GR1P] <7V1OL9QJU[*.# M[%=4-QY, .8*Z Z\(42=U]R#IO85\H=97D+59K@+,>E.+=$&KV!":> MA:,I MT4SMP#*T[CXKL?9# 8XIW6DGHRC?,K@3)2BS()SG[3,ZV M[73MQ)NJZ2Y+XZE7-<.2? @YH@P'M%\;XETEH6-WO)OL#4$L#!!0 (/ Y M"%E98/$ / , X3 - >&PO.Z6" ?KYV"!_U1:P/&RRHQ+['Y]QC M^Z9Q.ZCUDM.'&:4Z6)1ADD;"MSM'R>\3QZ1O MMJ7M\',CY(CG&*WOH9DL:R9T,')ZT'3VS,8*1\U^CP:Y%.MMCT,7,)E)28-G MPH?AF' V40Q8.2D97[IP#P)3R:4*M*DW8Z4+D?J7@[NN!Z78Z)1,2&5SNPSN M>}(,WP%6/3#(.&\ ]D(7& TJHC55XLYT[& ;? $%3?MQ61F'A2+ +,N\Z7!/L MS2292)51U:,!AJO0.,!I#G84*V9PU[** -1:EJ.1,5)(0:R'%:.I& DIY?P! MGM/O^9,V(M_8TP[LJ&B,QE#3=#*N _J;.DY[4S9^E6Y0L6>I\W -(3M0ZW0 M>T5SMK#]1=X.P-2[N#JI*K{\R%DA2NHF?W#"T8"L>,%,*O,+9(-2F9H 56'P M:3)5FT\W(3T6J1[K0JW):Y+CGW@EZ_KOK7%!!%>&;IDWM' ,JQ]IQ?/.O+ O? M*KN&O1Z,E^^QF[P^!9/)*9@\B9KL'[_).#U^C\VQ[NA,1LTA8^,DLW6..:,! MG!>'X3'&<,?*:3,P?,UOZ9GQ&V7B'[ZP#;TWT5@LT4 MKT1LIOA.^)?-V"DJ7^WL3S P'8!JQW({\\#->7GQ#'L*N8- >X)Q)$TQ!&K1 M7Z-)@JQ. A___F!/21RGJ1\!S.\@CC$$GD8W'D?1.OW5+3^ M#]_H U!+ P04 " #P.0A9EXJ[', 3 @ "P %]R96QS+RYR96QS MG9*Y,L,P#$!_Q="> , ?0(8@S9?$6!/D!5J(/V! (%BD6=OZ .!7&0"QEY/3P2 MW!Y!0.TXI+:.+J1C]$%)I6M6X 4BV)8]ISI%"KM0L'C6'TD!$VV-#L%HL/D N M&6.WO606IW.D5XA-/E_G;@2=&A(E@6FD7)TZ(=!7\=Q_.0T^FO8R*T>EOH^7%H5 J.W&,E MC'%BM/XU@LD/['X 4$L#!!0 (/ Y"%D!)"&>&@0 %(> / >&PO M=V]R:V)O;VLN>&ULQ9E;3]LP%(#_BI67,6FLS04VT#J)M; A,:@HXG5R$Y=8 M];783H']^ATG='/8.-J+VZ#"P M9_UBBDXL]!&4@>'YFY@5X;1RM:,.2D&V7!X.)"4J^3SITU=4S,(#[1C MI>-.0:$ON.7LP?XY[P_)FEL^YX*[IU'2_AAFQ=6=KP,>8A"\1AN'S6\7Q&/S/V'4BP4OV427 MC63*=7$T3'A 96N^L@E15+)1LKF$4%614^4@2.1<=57!M?Y_X='G5??6#G"# M&)IC#B?,>=6"QXA0@55)2-M/&W E"%,V3:9R-Z4&KBA9FVFO T8;!-R M3&U-SH1^""/Q$*$[C$MW25UC6+^_ [(/"- F'N&37W"Z[=+O@]PVOH'L)P#XB M8!\C-V@C)35/;QL4\H]R06RJ:-@7/N(*.D5,'K'..#+$1"42V2(P5H"O M_S6J@[BN?(WO"_7S(6(F%/2R%*!]#,_ [I'],2RKJFOP"J&C!MC0DQ,*VED MKUPP"G A#>:/- +) QE!*[N3O3V,,8S@83C%(PCXDYH\TMD!J&!_L?X&X>4#I MF_>O 19FD#2R0F,-W++[QH\$3]<^E"$8)I TLD&F](FL+9DRT][NAUP3;DNA M+2@OA,1DDD:V"?1T'$8LY,;0"E*/G!A#(0/ERT!B+DDCRP0UWH\L'%5C,LDB MRP3'S$_,3"999)F@:NY'$YVD1!8*JN8^)B:4++)0$#63O1L:8F*FR2*;!M5S M/Y]8:[+(KNGT[_'S[7A7#3#%)/%5LPK"GP$QX63;G[*0O0ESE(M^+#'A M9+N8F'3RR-+YC0GSL(Z/JU)+]AS0$!/33AY9.^A4F^R'F)AV\MA3G==&&OOM MAQZN>V/.*6)/=5[']*=''3$P[163M8)A.ER$FIITBLG80S!·KPWV$ M-.$7M/ MYG7,:V;#E<@"W92)O2OS&PO7W)E;',O=V]R:V)O;VLN>&UL+G)E;'/-V;MNPD 0-MA>%707X_EIE9;A%0I:&-> $+EHLPV/)N%'C{("C@6"G2H#V5M;8_AM_LM:S MKU"5Z5"2X_[0G-[E5)WCO-BGU'PX%]?[<"ICOV["^79E6[>G,MV6[ZG;HJQ'T{J>JNR MW84T+]RE>IZ.[GZ0_FURT5MNYD6[W$CA<@BOJ MK01Z*^JM!'HKZJT$>BOJK01Z*^JM!'HKZJT$>BOJK01Z&^IM!'H;ZFT$>AOJ M;01Z6V>SA$!O0[V-0&]#O8U ,'T.]C4!O0[V-0&]#O8U ,'T.]C4!OCWI[KT] MZNT)]/:HMR?0VZ/>GD!OW]GL)M#,H][^G7K'=*U"?/8\UOC\=U*=,O>&Y^/O MR\?)S@MUQ]G![!"%+U!+ P04 " #P.0A94]DK*;(! !3&P $P %M# M;VYT96YT7U1Y<&5S72YX;6S-F60U_338D M(HDMVU!X^SKA1V!%HR(J=2ZQ$N _C+W2=\GT;6?(#;9UU;A95'AO'AAS:4&U M-Z&SZ[4 MS2RR5+EH\+@O;+UFD3*F*E/EPS[,--DWE]'!(0Z=78TK2N.&H2!B9QW:G9\ M#GVO&[*VS&BP4-_J#I4L6W%G-]5Y.)^B3,9=9Z7*64Z7=>A)7;&DLI<0>3K M*MZ+#ON=?;AAVC_YU? Z=3)]AJ%Q8;5R8F*7+[8XC:,M')@B1]67_$4^.0?KJ M\U$[[8RR7WJ'Z_W0=M7-P[%NN?Z.O\[XI']A#@&20X+D2$!RW(#DF(#DN 7) M<0>2XQXD!Q^C!$$A*D=!*D=A*D>!*D>A*D?!*D? A*D&UL4$L! A0#% @ \#D(69(Q3+SN *P(M !$ (!KP &1O8U!R;W!S+V O&UL4$L! A0#% M @ \#D(69E&PO=V]R:W-H965T&UL4$L! A0#% M @ \#D(6;K^UK>=!0 61< !@ ("!/X 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ \#D(67_!F"2)!P 3!(!@ M ("!FC$ 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ \#D(68VEK^)4 P GP@ M !D ("!0%H 'AL+W=O&PO=V]R:W-H965TG MI0H %]@ !X;"]W;W)K&UL4$L! A0#% @ \#D(6>+X4E2.#P &RX !D M ("!RVL 'AL+W=OP >&PO=V]R:W-H965T M&UL4$L! A0# M% @ \#D(66* @\6& @ PP< !D ("!58X 'AL+W=O MP# "W M"@ &0 @($2D0 >&PO=V]R:W-H965T&UL4$L! A0#% @ \#D(6:/ MLHBZ @ 0 8 !D ("!^JH 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ \#D(6>&?[.GW @ +P< !D M ("! ;< 'AL+W=O&PO M=V]R:W-H965TP_M *0+ 9 " @5.] !X;"]W;W)K&UL4$L! A0#% @ \#D(66;QZBZ]! O X !D ("! M!<$ 'AL+W=O&PO=V]R:W-H965TBZ:>T@8 HS 9 M " @9C* !X;"]W;W)K&UL4$L! A0#% M @ \#D(6>-[2ZW) P HA(!D ("!HM$ 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ \#D(626K3E(H M!P #CX !D ("!!MX 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ \#D(6>RB'*B3" 75 !D M ("!:^X 'AL+W=O5T# !/#0 &0 @($!P >&PO=V]R M:W-H965T&UL M4$L! A0#% @ \#D(60N4CS+1" RU@ !D ("!/T M 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ M\#D(6= 6MTQV!0 UA\ !D ("!OA ! 'AL+W=O&PO&@0 %(> / " 4 E 0!X;"]W;W)K8F]O:RYX;6Q0 M2P$"% _4 " #P.0A9N#;$W*D! N&P &@ @ &"*0$ M>&PO7W)E;',O=V]R:V)O;VLN>&UL+G)E;'-02P$"% ,4 " #P.0A94]DK M*;(! !3&P $P @ %H*P$ 6T O;G1E;G1?5'EP97 -=+GAM 7,%!+!08 -0 U &H. !++0$! end XML 59 Show.js IDEA: XBRL DOCUMENT // Edgar(tm) Renderer was created by staff of the U.S. Securities and Exchange Commission. Data and content created by government employees within the scope of their employment are not subject to domestic copyright protection. 17 U.S.C. 105. var Show={};Show.LastAR=null,Show.showAR=function(a,r,w){if(Show.LastAR)Show.hideAR();var e=a;while(e&&e.nodeName!='TABLE')e=e.nextSibling;if(!e||e.nodeName!='TABLE'){var ref=((window)?w.document.document).getElementById(r);if(ref){e=ref.cloneNode(!0); e.removeAttribute('id');a.parentNode.appendChild(e)}} if(e)e.style.display='block';Show.LastAR=e};Show.hideAR=function(){Show.LastAR.style.display='none';Show.toggleNext=function(a) {var e=a;while(e.nodeName!='DIV')e=e.nextSibling;if(!e.style){}else if(!e.style.display){}else{var d,p ;if(e.style.display=='none'){d='block';p='-'}else{d='none';p='+'} e.style.display=d;if(a.textContent){a.textContent=p+a.textContent.substring(1)}else{a.innerText=p+a.innerText.substring(1)}}} ; XML 60 report.css IDEA: XBRL DOCUMENT /* Updated 2009-11-04 */ /* v2.2.0.24 */ /* DefRef Styles */ .report table.authRefData{ background-color: #def; border: 2px solid #2F4497; font-size: 1em; position: absolute; } .report table.authRefData a{ display: block; font-weight: bold; } .report table.authRefData p{ margin-top: 0px; } .report table.authRefData .hide { background-color: #2F4497; padding: 1px 3px 0px 0px; text-align: right; } .report table.authRefData .hide a:hover { background-color: #2F4497; } .report table.authRefData .body { height: 150px; overflow: auto; width: 400px; } .report table.authRefData table{ font-size: 1em; } /* Report Styles */ .pl a, .pl a:visited { color: black; text-decoration: none; } /* table */ .report { background-color: white; border: 2px solid #acf; clear: both; color: black; font: normal 8pt Helvetica, Arial, san-serif; margin-bottom: 2em; } .report hr { border: 1px solid #acf; } /* Top labels */ .report th { background-color: #acf; color: black; font-weight: bold; text-align: center; } .report th.void { background-color: transparent; color: #000000; font: bold 10pt Helvetica, Arial, san-serif; text-align: left; } .report .pl { text-align: left; vertical-align: top; white-space: normal; width: 200px; white-space: normal; /* word-wrap: break-word; */ } .report td.pl a.a { cursor: pointer; display: block; width: 200px; overflow: hidden; } .report td.pl div.a { width: 200px; } .report td.pl a:hover { background-color: #ffc; } /* Header rows... */ .report tr.rh { background-color: #acf; color: black; font-weight: bold; } /* Calendars... */ .report .rc { background-color: #f0f0f0; } /* Even rows... */ .report .re, .report .reu { background-color: #def; } .report .reu td { border-bottom: 1px solid black; } /* Odd rows... */ .report .ro, .report .rou { background-color: white; } .report .rou td { border-bottom: 1px solid black; } .report .rou table td, .report .reu table td { border-bottom: 0px solid black; } /* styles for footnote marker */ .report .fn { white-space: nowrap; } /* styles for numeric types */ .report .num, .report .nump { text-align: right; white-space: nowrap; } .report .nump { padding-left: 2em; } .report .nump { padding: 0px 0.4em 0px 2em; } /* styles for text types */ .report .text { text-align: left; white-space: normal; } .report .text .big { margin-bottom: 1em; width: 17em; } .report .text .more { display: none; } .report .text .note { font-style: italic; font-weight: bold; } .report .text .small { width: 10em; } .report sup { font-style: italic; } .report .outerFootnotes { font-size: 1em; } XML 62 FilingSummary.xml IDEA: XBRL DOCUMENT 3.24.2.u1 html 156 273 1 false 46 0 false 8 false false R1.htm 995200090 - Document - Document and Entity Information Sheet http://www.passagebio.com/role/DocumentDocumentAndEntityInformation Document and Entity Information Cover 1 false false R2.htm 995200100 - Statement - Balance Sheets Sheet http://www.passagebio.com/role/StatementBalanceSheets Balance Sheets Statements 2 false false R3.htm 995200105 - Statement - Balance Sheets (Parenthetical) Sheet http://www.passagebio.com/role/StatementBalanceSheetsParenthetical Balance Sheets (Parenthetical) Statements 3 false false R4.htm 995200200 - Statement - Statements of Operations and Comprehensive Loss Sheet http://www.passagebio.com/role/StatementStatementsOfOperationsAndComprehensiveLoss Statements of Operations and Comprehensive Loss Statements 4 false false R5.htm 995200300 - Statement - Statements of Stockholders' Equity Sheet http://www.passagebio.com/role/StatementStatementsOfStockholdersEquity Statements of Stockholders' Equity Statements 5 false false R6.htm 995200400 - Statement - Statements of Cash Flows Sheet http://www.passagebio.com/role/StatementStatementsOfCashFlows Statements of Cash Flows Statements 6 false false R7.htm 995210101 - Disclosure - Nature of Operations Sheet http://www.passagebio.com/role/DisclosureNatureOfOperations Nature of Operations Notes 7 false false R8.htm 995210201 - Disclosure - Risks and Liquidity Sheet http://www.passagebio.com/role/DisclosureRisksAndLiquidity Risks and Liquidity Notes 8 false false R9.htm 995210301 - Disclosure - Summary of Significant Accounting Policies Sheet http://www.passagebio.com/role/DisclosureSummaryOfSignificantAccountingPolicies Summary of Significant Accounting Policies Notes 9 false false R10.htm 995210401 - Disclosure - Cash, Cash Equivalents and Marketable Securities Sheet http://www.passagebio.com/role/DisclosureCashCashEquivalentsAndMarketableSecurities Cash, Cash Equivalents and Marketable Securities Notes 10 false false R11.htm 995210501 - Disclosure - Fair Value of Financial Instruments Sheet http://www.passagebio.com/role/DisclosureFairValueOfFinancialInstruments Fair Value of Financial Instruments Notes 11 false false R12.htm 995210601 - Disclosure - Property and Equipment, Net Sheet http://www.passagebio.com/role/DisclosurePropertyAndEquipmentNet Property and Equipment, Net Notes 12 false false R13.htm 995210701 - Disclosure - Accrued Expenses and Other Current Liabilities Sheet http://www.passagebio.com/role/DisclosureAccruedExpensesAndOtherCurrentLiabilities Accrued Expenses and Other Current Liabilities Notes 13 false false R14.htm 995210801 - Disclosure - Leases Sheet http://www.passagebio.com/role/DisclosureLeases Leases Notes 14 false false R15.htm 995210901 - Disclosure - Commitments and Contingencies Sheet http://www.passagebio.com/role/DisclosureCommitmentsAndContingencies Commitments and Contingencies Notes 15 false false R16.htm 995211001 - Disclosure - Share-Based Compensation Sheet http://www.passagebio.com/role/DisclosureShareBasedCompensation Share-Based Compensation Notes 16 false false R17.htm 995211101 - Disclosure - Subsequent Events Sheet http://www.passagebio.com/role/DisclosureSubsequentEvents Subsequent Events Notes 17 false false R18.htm 995410 - Disclosure - Pay vs Performance Disclosure Sheet http://xbrl.sec.gov/ecd/role/PvpDisclosure Pay vs Performance Disclosure Notes 18 false false R19.htm 995445 - Disclosure - Insider Trading Arrangements Sheet http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements Insider Trading Arrangements Notes 19 false false R20.htm 99920302 - Disclosure - Summary of Significant Accounting Policies (Policies) Sheet http://www.passagebio.com/role/DisclosureSummaryOfSignificantAccountingPoliciesPolicies Summary of Significant Accounting Policies (Policies) Policies http://www.passagebio.com/role/DisclosureSummaryOfSignificantAccountingPolicies 20 false false R21.htm 99930303 - Disclosure - Summary of Significant Accounting Policies (Tables) Sheet http://www.passagebio.com/role/DisclosureSummaryOfSignificantAccountingPoliciesTables Summary of Significant Accounting Policies (Tables) Tables http://www.passagebio.com/role/DisclosureSummaryOfSignificantAccountingPolicies 21 false false R22.htm 99930403 - Disclosure - Cash, Cash Equivalents and Marketable Securities (Tables) Sheet http://www.passagebio.com/role/DisclosureCashCashEquivalentsAndMarketableSecuritiesTables Cash, Cash Equivalents and Marketable Securities (Tables) Tables http://www.passagebio.com/role/DisclosureCashCashEquivalentsAndMarketableSecurities 22 false false R23.htm 99930503 - Disclosure - Fair Value of Financial Instruments (Tables) Sheet http://www.passagebio.com/role/DisclosureFairValueOfFinancialInstrumentsTables Fair Value of Financial Instruments (Tables) Tables http://www.passagebio.com/role/DisclosureFairValueOfFinancialInstruments 23 false false R24.htm 99930603 - Disclosure - Property and Equipment, Net (Tables) Sheet http://www.passagebio.com/role/DisclosurePropertyAndEquipmentNetTables Property and Equipment, Net (Tables) Tables http://www.passagebio.com/role/DisclosurePropertyAndEquipmentNet 24 false false R25.htm 99930703 - Disclosure - Accrued Expenses and Other Current Liabilities (Tables) Sheet http://www.passagebio.com/role/DisclosureAccruedExpensesAndOtherCurrentLiabilitiesTables Accrued Expenses and Other Current Liabilities (Tables) Tables http://www.passagebio.com/role/DisclosureAccruedExpensesAndOtherCurrentLiabilities 25 false false R26.htm 99930803 - 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http://www.passagebio.com/role/DisclosureAccruedExpensesAndOtherCurrentLiabilitiesTables 35 false false R36.htm 99940801 - Disclosure - Leases (Details) Sheet http://www.passagebio.com/role/DisclosureLeasesDetails Leases (Details) Details http://www.passagebio.com/role/DisclosureLeasesTables 36 false false R37.htm 99940802 - Disclosure - Leases - Operating lease cost (Details) Sheet http://www.passagebio.com/role/DisclosureLeasesOperatingLeaseCostDetails Leases - Operating lease cost (Details) Details 37 false false R38.htm 99940803 - Disclosure - Leases - Sublease income (Details) Sheet http://www.passagebio.com/role/DisclosureLeasesSubleaseIncomeDetails Leases - Sublease income (Details) Details 38 false false R39.htm 99940901 - Disclosure - Commitments and Contingencies - Collaboration Agreements (Details) Sheet http://www.passagebio.com/role/DisclosureCommitmentsAndContingenciesCollaborationAgreementsDetails Commitments and Contingencies - Collaboration Agreements (Details) Details 39 false false R40.htm 99941001 - 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Assumptions Used in Determining Fair Value & Early exercise of Stock Options (Details) Details 43 false false R44.htm 99941005 - Disclosure - Share-Based Compensation - Restricted Stock Units (Details) Sheet http://www.passagebio.com/role/DisclosureShareBasedCompensationRestrictedStockUnitsDetails Share-Based Compensation - Restricted Stock Units (Details) Details 44 false false R45.htm 99941101 - Disclosure - Subsequent Events (Details) Sheet http://www.passagebio.com/role/DisclosureSubsequentEventsDetails Subsequent Events (Details) Details http://www.passagebio.com/role/DisclosureSubsequentEvents 45 false false All Reports Book All Reports pasg-20240630.xsd pasg-20240630_cal.xml pasg-20240630_def.xml pasg-20240630_lab.xml pasg-20240630_pre.xml pasg-20240630x10q.htm pasg-20240630x10q001.jpg http://fasb.org/us-gaap/2024 http://xbrl.sec.gov/dei/2024 http://xbrl.sec.gov/ecd/2024 true true JSON 65 MetaLinks.json IDEA: XBRL DOCUMENT { "version": "2.2", "instance": { "pasg-20240630x10q.htm": { "nsprefix": "pasg", "nsuri": "http://www.passagebio.com/20240630", "dts": { "schema": { "local": ["pasg-20240630.xsd"], "remote": ["http://www.xbrl.org/2003/xbrl-instance-2003-12-31.xsd", "http://www.xbrl.org/2003/xbrl-linkbase-2003-12-31.xsd", "http://www.xbrl.org/2003/xl-2003-12-31.xsd", "http://www.xbrl.org/2003/xlink-2003-12-31.xsd", "http://www.xbrl.org/2005/xbrldt-2005.xsd", "http://www.xbrl.org/2006/ref-2006-02-27.xsd", "http://www.xbrl.org/lrr/arcrole/esma-arcrole-2018-11-21.xsd", "http://www.xbrl.org/lrr/role/negated-2009-12-16.xsd", "http://www.xbrl.org/lrr/role/reference-2009-12-16.xsd", "https://www.xbrl.org/2020/extensible-enumerations-2.0.xsd", "https://www.xbrl.org/2023/calculation-1.1.xsd", "https://www.xbrl.org/dtr/type/2020-01-21/types.xsd", "https://www.xbrl.org/dtr/type/2022-03-31/types.xsd", "https://xbrl.fasb.org/srt/2024/elts/srt-2024.xsd", "https://xbrl.fasb.org/srt/2024/elts/srt-roles-2024.xsd", "https://xbrl.fasb.org/srt/2024/elts/srt-types-2024.xsd", "https://xbrl.fasb.org/us-gaap/2024/elts/us-gaap-2024.xsd", "https://xbrl.fasb.org/us-gaap/2024/elts/us-roles-2024.xsd", "https://xbrl.fasb.org/us-gaap/2024/elts/us-types-2024.xsd", "https://xbrl.sec.gov/country/2024/country-2024.xsd", "https://xbrl.sec.gov/dei/2024/dei-2024.xsd", "https://xbrl.sec.gov/ecd/2024/ecd-2024.xsd", "https://xbrl.sec.gov/ecd/2024/ecd-sub-2024.xsd", "https://xbrl.sec.gov/stpr/2024/stpr-2024.xsd"] }, "calculationLink": { "local": ["pasg-20240630_cal.xml"] }, "definitionLink": { "local": ["pasg-20240630_def.xml"] }, "labelLink": { "local": ["pasg-20240630_lab.xml"] }, "presentationLink": { "local": ["pasg-20240630_pre.xml"] }, "inline": { "local": ["pasg-20240630x10q.htm"] } }, "keyStandard": 217, "keyCustom": 56, "axisStandard": 16, "axisCustom": 0, "memberStandard": 27, "memberCustom": 16, "hidden": { "total": 13, "http://fasb.org/us-gaap/2024": 7, "http://xbrl.sec.gov/dei/2024": 6 }, "contextCount": 156, "entityCount": 1, "segmentCount": 46, "elementCount": 507, "unitCount": 8, "baseTaxonomies": { "http://fasb.org/us-gaap/2024": 528, "http://xbrl.sec.gov/dei/2024": 31, "http://xbrl.sec.gov/ecd/2024": 7 }, "report": { "R1": { "role": "http://www.passagebio.com/role/DocumentDocumentAndEntityInformation", "longName": "995200090 - 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Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)." } } }, "auth_ref": ["r35", "r529"] }, "pasg_AccruedExpensesAndOtherCurrentLiabilities": { "xbrltype": "monetaryItemType", "nsuri": "http://www.passagebio.com/20240630", "localname": "AccruedExpensesAndOtherCurrentLiabilities", "crdr": "credit", "presentation": ["http://www.passagebio.com/role/DisclosureAccruedExpensesAndOtherCurrentLiabilitiesDetails", "http://www.passagebio.com/role/StatementBalanceSheets"], "lang": { "en-us": { "role": { "documentation": "The carrying balance as of the balance sheet of accrued expenses and other current liabilities.", "label": "Accrued Expenses and Other Current Liabilities.", "terseLabel": "Accrued expenses and other current liabilities", "totalLabel": "Accrued expenses and other current liabilities" } } }, "auth_ref": [] }, "pasg_AccruedExpensesAndOtherCurrentLiabilitiesDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://www.passagebio.com/20240630", "localname": "AccruedExpensesAndOtherCurrentLiabilitiesDisclosureTextBlock", "presentation": ["http://www.passagebio.com/role/DisclosureAccruedExpensesAndOtherCurrentLiabilities"], "lang": { "en-us": { "role": { "documentation": "The entire disclosure of information pertaining to accrued expenses and other current liabilities.", "label": "Accrued Expenses And Other Current Liabilities Disclosure [Text Block]", "terseLabel": "Accrued Expenses and Other Current Liabilities" } } }, "auth_ref": [] }, "us-gaap_AccruedLiabilitiesAndOtherLiabilitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccruedLiabilitiesAndOtherLiabilitiesAbstract", "lang": { "en-us": { "role": { "label": "Accrued Expenses and Other Current Liabilities" } } }, "auth_ref": [] }, "us-gaap_AccruedProfessionalFeesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccruedProfessionalFeesCurrent", "crdr": "credit", "presentation": ["http://www.passagebio.com/role/DisclosureAccruedExpensesAndOtherCurrentLiabilitiesDetails"], "lang": { "en-us": { "role": { "label": "Accrued Professional Fees, Current", "terseLabel": "Professional fees", "documentation": "Carrying value as of the balance sheet date of obligations incurred through that date and payable for professional fees, such as for legal and accounting services received. Used to reflect the current portion of the liabilities (due within one year or within the normal operating

cycle if longer)." } } }, "auth_ref": ["r37"] }, "pasg_AccruedResearchAndDevelopmentExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://www.passagebio.com/20240630", "localname": "AccruedResearchAndDevelopmentExpense", "crdr": "credit", "presentation": ["http://www.passagebio.com/role/DisclosureAccruedExpensesAndOtherCurrentLiabilitiesDetails"], "lang": { "en-us": { "role": { "documentation": "The carrying balance as of the balance sheet of accrued research and development expense.", "label": "Accrued Research And Development Expense", "terseLabel": "Research and development" } } }, "auth_ref": [] }, "us-gaap_AccumulatedDepreciationDepletionAndAmortizationPropertyPlantAndEquipment": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccumulatedDepreciationDepletionAndAmortizationPropertyPlantAndEquipment", "crdr": "credit", "presentation": ["http://www.passagebio.com/role/DisclosurePropertyAndEquipmentNetDetails"], "lang": { "en-us": { "role": { "label": "Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment", "negatedLabel": "Accumulated depreciation and amortization", "documentation": "Amount of accumulated depreciation, depletion and amortization for physical assets used in the normal conduct of business to produce goods and services." } } } }, "auth_ref": ["r27", "r93", "r408"] }, "us-gaap_AccumulatedOtherComprehensiveIncomeLossNetOfTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccumulatedOtherComprehensiveIncomeLossNetOfTax", "crdr": "credit", "presentation": ["http://www.passagebio.com/role/StatementBalanceSheets"], "lang": { "en-us": { "role": { "label": "Accumulated Other Comprehensive Income (Loss), Net of Tax", "terseLabel": "Accumulated other comprehensive income (loss)", "documentation": "Amount, after tax, of accumulated increase (decrease) in equity from transaction and other event and circumstance from nonowner source." } } }, "auth_ref": ["r15", "r16", "r50", "r96", "r404", "r424", "r425"] }, "us-gaap_AccumulatedOtherComprehensiveIncomeMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccumulatedOtherComprehensiveIncomeMember", "presentation": ["http://www.passagebio.com/role/StatementStatementsOfStockholdersEquity"], "lang": { "en-us": { "role": { "label": "Accumulated other comprehensive income (loss)", "documentation": "Accumulated increase (decrease) in equity from transactions and other events and circumstances from non-owner sources, attributable to the parent. Excludes net income (loss), and accumulated changes in equity from transactions resulting from investments by owners and distributions to owners." } } }, "auth_ref": ["r1", "r8", "r16", "r296", "r299", "r353", "r420", "r421", "r640", "r641", "r642", "r645", "r646", "r647", "r648"] },
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Includes, but is not limited to, additional paid-in capital (APIC) for common and preferred stock." } } }, "auth_ref": ["r45", "r529", "r731"] }, "us-gaap_AdditionalPaidInCapitalMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdditionalPaidInCapitalMember", "presentation": ["http://www.passagebio.com/role/StatementStatementsOfStockholdersEquity"], "lang": { "en-us": { "role": { "label": "Additional paid-in capital", "documentation": "Excess of issue price over par or stated value of the entity's capital stock and amounts received from other transactions involving the entity's stock or stockholders." } } }, "auth_ref": ["r430", "r645", "r646", "r647", "r648", "r700", "r732"] }, "ecd_AdjToCompAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AdjToCompAmt", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Adjustment to Compensation Amount", 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Trading Arrangements" } } }, "auth_ref": ["r618"] }, "us-gaap_AllocatedShareBasedCompensationExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AllocatedShareBasedCompensationExpense", "crdr": "debit", "presentation": ["http://www.passagebio.com/role/DisclosureShareBasedCompensationShareBasedCompensationExpenseDetails"], "lang": { "en-us": { "role": { "label": "Share-based Payment Arrangement, Expense", "terseLabel": "Share-based compensation expense", "documentation": "Amount of expense for award under share-based payment arrangement. Excludes amount capitalized." } } }, "auth_ref": ["r269", "r278"] }, "pasg_AmendedAndRestatedResearchCollaborationAndLicenseAgreementWithPennMember": { "xbrltype": "domainItemType", "nsuri": "http://www.passagebio.com/20240630", "localname": "AmendedAndRestatedResearchCollaborationAndLicenseAgreementWithPennMember", "presentation": ["http://www.passagebio.com/role/DisclosureCommitmentsAndContingenciesCollaborationAgreementsDetails"], "lang": { "en-us": { "role": { "documentation": "Represents the information pertaining to amended and restated research, collaboration and license agreement with Penn.", "label": "Amended and restated agreement with Penn" } } }, "auth_ref": [] },
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Excludes amortization of financing costs. Alternate captions include noncash interest expense." } } }, "auth_ref": ["r4", "r54", "r221", "r711"] }, "pasg_AmountReceivableUponSeriesaFinancing": { "xbrltype": "monetaryItemType", "nsuri": "http://www.passagebio.com/20240630", "localname": "AmountReceivableUponSeriesaFinancing", "crdr": "debit", "presentation": ["http://www.passagebio.com/role/DisclosureSubsequentEventsDetails"], "lang": { "en-us": { "role": { "documentation": "Amount receivable by the entity upon successful series A financing.", "label": "Amount Receivable Upon SeriesA Financing", "terseLabel": "Amount receivable upon seriesA financing" } } }, "auth_ref": [] }, "us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareAmount": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareAmount", "presentation": ["http://www.passagebio.com/role/DisclosureSummaryOfSignificantAccountingPoliciesDetails"], "lang": { "en-us": { "role": { "label": "Antidilutive Securities Excluded from Computation of Earnings Per Share, Amount", "terseLabel": "Amount of antidilutive securities excluded from computation of earnings per share", "documentation": "Securities (including those issuable pursuant to contingent stock agreements) that could potentially dilute basic earnings per share (EPS) or earnings per unit (EPU) in the future that were not included in the computation of diluted EPS or EPU because to do so would increase EPS or EPU amounts or decrease loss per share or unit amounts for the period presented." } } }, "auth_ref": ["r136"] }, "us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareByAntidilutiveSecuritiesAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareByAntidilutiveSecuritiesAxis", "presentation": ["http://www.passagebio.com/role/DisclosureSummaryOfSignificantAccountingPoliciesDetails"], "lang": { "en-us": { "role": { "label": "Antidilutive Securities [Axis]", "documentation": "Information by type of antidilutive security." } } }, "auth_ref": ["r21"] }, "us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareLineItems", "presentation": ["http://www.passagebio.com/role/DisclosureSummaryOfSignificantAccountingPoliciesDetails"], "lang": { "en-us": { "role": { "label": "Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [] }, "us-gaap_AntidilutiveSecuritiesNameDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AntidilutiveSecuritiesNameDomain", "presentation": ["http://www.passagebio.com/role/DisclosureSummaryOfSignificantAccountingPoliciesDetails"], "lang": { "en-us": { "role": { "label": "Antidilutive Securities, Name [Domain]", "documentation": "Incremental common shares attributable to securities that were not included in diluted earnings per share (EPS) because to do so would increase EPS amounts or decrease loss per share amounts for the period presented." } } }, "auth_ref": ["r21"] }, "us-gaap_AreaOfLand": { "xbrltype": "areaItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AreaOfLand", "presentation": ["http://www.passagebio.com/role/DisclosureLeasesDetails"], "lang": { "en-us": { "role": { "label": "Area of Land", "terseLabel": "Area leased", "documentation": "Area of land held." } } }, "auth_ref": [] }, "pasg_ArrangementWithGemmaBiotherapeuticsIncMember": { "xbrltype": "domainItemType", "nsuri": "http://www.passagebio.com/20240630", "localname": "ArrangementWithGemmaBiotherapeuticsIncMember", "presentation": ["http://www.passagebio.com/role/DisclosureSubsequentEventsDetails"], "lang": { "en-us": { "role": { "documentation": "Represents information pertaining to the arrangement with Gemma Biotherapeutics Inc.", "label": "Arrangement With Gemma Biotherapeutics Inc [Member]", "terseLabel": "Arrangement With Gemma Biotherapeutics Inc" } } }, "auth_ref": [] }, "us-gaap_ArrangementsAndNonarrangementTransactionsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ArrangementsAndNonarrangementTransactionsMember", "presentation": ["http://www.passagebio.com/role/DisclosureCommitmentsAndContingenciesCollaborationAgreementsDetails", "http://www.passagebio.com/role/DisclosureSubsequentEventsDetails"], "lang": { "en-us": { "role": { "label": "Collaborative Arrangement and Arrangement Other than Collaborative [Domain]", "documentation": "Collaborative arrangement and arrangement other than collaborative applicable to revenue-generating activity or operations." } } }, "auth_ref": ["r290"] }, "us-gaap_AssetImpairmentCharges": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetImpairmentCharges", "crdr": "debit", "presentation": ["http://www.passagebio.com/role/DisclosureLeasesDetails", "http://www.passagebio.com/role/DisclosureSummaryOfSignificantAccountingPoliciesDetails", "http://www.passagebio.com/role/StatementStatementsOfCashFlows", "http://www.passagebio.com/role/StatementStatementsOfOperationsAndComprehensiveLoss"], "lang": { "en-us": { "role": { "label": "Asset Impairment Charges", "terseLabel": "Asset impairment charges", "verboseLabel": "Impairment of long-lived assets", "documentation": "Amount of write-down of assets recognized in the income statement. Includes, but is not limited to, losses from tangible assets, intangible assets and goodwill." } } }, "auth_ref": ["r4", "r26"] }, "us-gaap_Assets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "Assets", "crdr": "debit", "presentation": ["http://www.passagebio.com/role/StatementBalanceSheets"], "lang": { "en-us": { "role": { "label": "Assets", "totalLabel": "Total assets", "documentation": "Amount of asset recognized for present right to economic benefit." } } }, "auth_ref": ["r71", "r76", "r95", "r112", "r139", "r141", "r150", "r151", "r187", "r210", "r211", "r212", "r213", "r214", "r215", "r216", "r217", "r218", "r291", "r293", "r325", "r400", "r454", "r503", "r504", "r529", "r543", "r668", "r669", "r716"] }, "us-gaap_AssetsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetsAbstract", "presentation": ["http://www.passagebio.com/role/StatementBalanceSheets"], "lang": { "en-us": { "role": { "label": "Assets [Abstract]", "terseLabel": "Assets" } } }, "auth_ref": [] }, "us-gaap_AssetsCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetsCurrent", "crdr": "debit", "presentation": ["http://www.passagebio.com/role/StatementBalanceSheets"], "lang": { "en-us": { "role": { "label": "Assets, Current", "totalLabel": "Total current assets", "documentation": "Amount of asset recognized for present right to economic benefit, classified as current." } } }, "auth_ref": ["r89", "r97", "r112", "r187", "r210", "r211", "r212", "r213", "r214", "r215", "r216", "r217", "r218", "r291", "r293", "r325", "r529", "r668", "r669", "r716"] }, "us-gaap_AssetsCurrentAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetsCurrentAbstract", "presentation": ["http://www.passagebio.com/role/StatementBalanceSheets"], "lang": { "en-us": { "role": { "label": "Current assets:" } } }, "auth_ref": [] }, "us-gaap_AssetsFairValueDisclosure": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetsFairValueDisclosure", "crdr": "debit", "presentation": ["http://www.passagebio.com/role/DisclosureFairValueOfFinancialInstrumentsRecurringBasisDetails"], "lang": { "en-us": { "role": { "label": "Assets, Fair Value Disclosure", "totalLabel": "Total financial assets", "documentation": "Fair value portion of asset recognized for present right to economic benefit." } } }, "auth_ref": ["r306", "r307", "r517"] },

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Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r659"] }, "us-gaap_AvailableForSaleSecuritiesDebtMaturitiesWithinOneYearFairValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AvailableForSaleSecuritiesDebtMaturitiesWithinOneYearFairValue", "crdr": "debit", "presentation": ["http://www.passagebio.com/role/DisclosureCashCashEquivalentsAndMarketableSecuritiesContractualFinalMaturitiesOfMarketableSecuritiesDetails"], "lang": { "en-us": { "role": { "label": "Debt Securities, Available-for-Sale, Fair Value, Maturity, Allocated and Single Maturity Date, Year One", "terseLabel": "Due within one year, Fair Value", "documentation": "Fair value of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), with single maturity date and allocated without single maturity date, maturing in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r164", "r396"] }, "us-gaap_AvailableForSaleSecuritiesDebtSecurities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AvailableForSaleSecuritiesDebtSecurities", "crdr": "debit", "presentation": ["http://www.passagebio.com/role/DisclosureCashCashEquivalentsAndMarketableSecuritiesPortfolioOfMarketableSecuritiesDetails", "http://www.passagebio.com/role/DisclosureFairValueOfFinancialInstrumentsRecurringBasisDetails"], "lang": { "en-us": { "role": { "label": "Debt Securities, Available-for-sale", "terseLabel": "Marketable securities", "verboseLabel": "Fair value", "documentation": "Amount of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale)." } } }, "auth_ref": ["r158", "r195", "r306", "r393", "r517", 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Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation." } } }, "auth_ref": ["r19", "r91", "r493"] }, "us-gaap_CashAndCashEquivalentsAtCarryingValueAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsAtCarryingValueAbstract", "presentation": ["http://www.passagebio.com/role/DisclosureCashCashEquivalentsAndMarketableSecuritiesPortfolioOfCashAndCashEquivalentsDetails"], "lang": { "en-us": { "role": { "label": "Cash and Cash Equivalents, at Carrying Value [Abstract]", "terseLabel": "Cash and cash equivalents" } } }, "auth_ref": [] }, "us-gaap_CashAndCashEquivalentsAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsAxis", "presentation": ["http://www.passagebio.com/role/DisclosureCashCashEquivalentsAndMarketableSecuritiesPortfolioOfCashAndCashEquivalentsDetails", "http://www.passagebio.com/role/DisclosureFairValueOfFinancialInstrumentsRecurringBasisDetails"], "lang": { "en-us": { "role": { "label": "Cash and Cash Equivalents [Axis]", "documentation": "Information by type of cash and cash equivalent balance." } } }, "auth_ref": ["r91"] }, "us-gaap_CashAndCashEquivalentsFairValueDisclosure": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsFairValueDisclosure", "crdr": "debit", "presentation": ["http://www.passagebio.com/role/DisclosureCashCashEquivalentsAndMarketableSecuritiesPortfolioOfCashAndCashEquivalentsDetails", "http://www.passagebio.com/role/DisclosureFairValueOfFinancialInstrumentsRecurringBasisDetails"], "lang": { "en-us": { "role": { "label": "Cash and Cash Equivalents, Fair Value Disclosure", "terseLabel": "Cash equivalents", "verboseLabel": "Fair value", "documentation": "Fair value portion of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": ["r702", "r703"] }, "us-gaap_CashAndCashEquivalentsLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsLineItems", "presentation": ["http://www.passagebio.com/role/DisclosureCashCashEquivalentsAndMarketableSecuritiesPortfolioOfCashAndCashEquivalentsDetails", "http://www.passagebio.com/role/DisclosureCashCashEquivalentsAndMarketableSecuritiesPortfolioOfMarketableSecuritiesDetails"], "lang": { "en-us": { "role": { "label": "Cash and Cash Equivalents [Line Items]", "terseLabel": "Cash, cash equivalents and marketable securities", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [] }, "us-gaap_CashAndCashEquivalentsPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsPolicyTextBlock", "presentation": ["http://www.passagebio.com/role/DisclosureSummaryOfSignificantAccountingPoliciesPolicies"], "lang": { "en-us": { "role": { "label": "Cash and Cash Equivalents, Policy [Policy Text Block]", "terseLabel": "Cash and Cash Equivalents", "documentation": "Disclosure of accounting policy for cash and cash equivalents, including the policy for determining which items are treated as cash equivalents. Other information that may be disclosed includes (1) the nature of any restrictions on the entity's use of its cash and cash equivalents, (2) whether the entity's cash and cash

equivalents are insured or expose the entity to credit risk, (3) the classification of any negative balance accounts (overdrafts), and (4) the carrying basis of cash equivalents (for example, at cost) and whether the carrying amount of cash equivalents approximates fair value." } } }, "auth_ref": ["r20"] }, "pasg_CashCashEquivalentsAndMarketableSecuritiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://www.passagebio.com/20240630", "localname": "CashCashEquivalentsAndMarketableSecuritiesAbstract", "lang": { "en-us": { "role": { "documentation": "No definition available.", "label": "Cash, Cash Equivalents and Marketable Securities" } } }, "auth_ref": [] }, "us-gaap_CashCashEquivalentsAndMarketableSecuritiesTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashCashEquivalentsAndMarketableSecuritiesTextBlock", "presentation": ["http://www.passagebio.com/role/DisclosureCashCashEquivalentsAndMarketableSecurities"], "lang": { "en-us": { "role": { "label": "Cash, Cash Equivalents, and Marketable Securities [Text Block]", "terseLabel": "Cash, Cash Equivalents and Marketable Securities", "documentation": "The entire disclosure of cash, cash equivalents, and debt and equity securities, including any unrealized or realized gain (loss)." } } }, "auth_ref": ["r654"] }, "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents", "crdr": "debit", "presentation": ["http://www.passagebio.com/role/StatementStatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Cash, Cash Equivalents, Restricted Cash and Restricted Cash Equivalents", "periodEndLabel": "Cash and cash equivalents at end of period", "periodStartLabel": "Cash and cash equivalents at beginning of period", "documentation": "Amount of cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage. Excludes amount for disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": ["r19", "r57", "r110"] }, "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "crdr": "debit", "presentation": ["http://www.passagebio.com/role/StatementStatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Cash, Cash Equivalents, Restricted Cash and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect", "totalLabel": "Net increase (decrease) in cash and cash equivalents", "documentation": "Amount of increase (decrease) in cash, cash equivalents, and cash and cash equivalents restricted to withdrawal or usage, including effect from exchange rate change. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } } }, "auth_ref": ["r0", "r57"] }, "us-gaap_CashEquivalentsAtCarryingValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashEquivalentsAtCarryingValue", "crdr": "debit", "presentation": ["http://www.passagebio.com/role/DisclosureCashCashEquivalentsAndMarketableSecuritiesPortfolioOfCashAndCashEquivalentsDetails"], "lang": { "en-us": { "role": { "label": "Cash Equivalents, at Carrying Value", "terseLabel": "Cost or Amortized cost", "documentation": "Amount of short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation." } } }, "auth_ref": ["r638", "r727"] }, "pasg_CatalentMarylandIncMember": { "xbrltype": "domainItemType", "nsuri": "http://www.passagebio.com/20240630", "localname": "CatalentMarylandIncMember", "presentation": ["http://www.passagebio.com/role/DisclosureCommitmentsAndContingenciesCollaborationAgreementsDetails"], "lang": { "en-us": { "role": { "documentation": "Represents information pertaining to Catalent Maryland, Inc. 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Certificates of deposit (CD) are typically Federal Deposit Insurance Corporation (FDIC) insured." } } }, "auth_ref": ["r7", "r537", "r538", "r539", "r540"] }, "ecd_ChangedPeerGroupFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ChangedPeerGroupFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Changed Peer Group, Footnote [Text Block]", "terseLabel": "Changed Peer Group, Footnote" } } }, "auth_ref": ["r591"] }, "ecd_ChngInFrValAsOfVstngDtOfPrrYrEqtyAwrdsVstdInCvrdYrMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ChngInFrValAsOfVstngDtOfPrrYrEqtyAwrdsVstdInCvrdYrMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Change in Fair Value as of Vesting Date of Prior Year Equity Awards Vested in Covered Year [Member]", "terseLabel": "Change in Fair Value as of Vesting Date of Prior Year Equity Awards Vested in Covered Year" } } }, "auth_ref": ["r588"] }, "ecd_ChngInFrValOfOutsdngAndUnvstdEqtyAwrdsGrntdInPrrYrsMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ChngInFrValOfOutsdngAndUnvstdEqtyAwrdsGrntdInPrrYrsMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Year-over-Year Change in Fair Value of Equity Awards Granted in Prior Years That are Outstanding and Unvested [Member]", "terseLabel": "Year-over-Year Change in Fair Value of Equity Awards Granted in Prior Years That are Outstanding and Unvested" } } }, "auth_ref": ["r586"] }, "dei_CityAreaCode": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "CityAreaCode", "presentation": ["http://www.passagebio.com/role/DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "City Area Code", "documentation": "Area code of 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Upfront Payments", "terseLabel": "Prepaid assets related to upfront payments" } } }, "auth_ref": [] }, "us-gaap_CollaborativeArrangementsAndNoncollaborativeArrangementTransactionsLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CollaborativeArrangementsAndNoncollaborativeArrangementTransactionsLineItems", "presentation": ["http://www.passagebio.com/role/DisclosureCommitmentsAndContingenciesCollaborationAgreementsDetails"], "lang": { "en-us": { "role": { "label": "Collaborative Arrangement and Arrangement Other than Collaborative [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information

associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r290"] }, "us-gaap_CommercialPaperMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommercialPaperMember", "presentation": ["http://www.passagebio.com/role/DisclosureCashCashEquivalentsAndMarketableSecuritiesPortfolioOfCashAndCashEquivalentsDetails", "http://www.passagebio.com/role/DisclosureCashCashEquivalentsAndMarketableSecuritiesPortfolioOfMarketableSecuritiesDetails", "http://www.passagebio.com/role/DisclosureFairValueOfFinancialInstrumentsRecurringBasisDetails"], "lang": { "en-us": { "role": { "label": "Commercial paper", "documentation": "Unsecured promissory note (generally negotiable) that provides institutions with short-term funds." } } }, "auth_ref": ["r66", "r209", "r537", "r538", "r539", "r540"] }, "us-gaap_CommitmentsAndContingencies": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": 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common shares that were issued, repurchased and remain in the treasury). These shares represent capital invested by the firm's shareholders and owners, and may be all or only a portion of the number of shares authorized. Shares issued include shares outstanding and shares held in the treasury." } } }, "auth_ref": ["r44"] }, "us-gaap_CommonStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockSharesOutstanding", "presentation": ["http://www.passagebio.com/role/StatementBalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "label": "Common Stock, Shares, Outstanding", "terseLabel": "Common stock, shares outstanding", "documentation": "Number of shares of common stock outstanding. Common stock represent the ownership interest in a corporation." } } }, "auth_ref": ["r9", "r44", "r442", "r460", "r732", "r733"] }, "us-gaap_CommonStockValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockValue", "crdr": "credit", "presentation": ["http://www.passagebio.com/role/StatementBalanceSheets"], "lang": { "en-us": { "role": { "label": "Common Stock, Value, Issued", "terseLabel": "Common stock, $0.0001 par value: 300,000,000 shares authorized; 61,754,786 shares issued and outstanding at June 30, 2024 and 54,944,130 shares issued and outstanding at December 31, 2023", "documentation": "Aggregate par or stated value of issued nonredeemable common stock (or common stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable common shares, par value and other disclosure concepts are in another section within stockholders' equity." } } }, "auth_ref": ["r44", "r403", "r529"] }, "ecd_CompActuallyPaidVsCoSelectedMeasureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CompActuallyPaidVsCoSelectedMeasureTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Compensation Actually Paid vs. Company Selected Measure [Text Block]", "terseLabel": "Compensation Actually Paid vs. Company Selected Measure" } } }, "auth_ref": ["r597"] }, "ecd_CompActuallyPaidVsNetIncomeTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CompActuallyPaidVsNetIncomeTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Compensation Actually Paid vs. Net Income [Text Block]", "terseLabel": "Compensation Actually Paid vs. Net Income" } } }, "auth_ref": ["r596"] }, "ecd_CompActuallyPaidVsOtherMeasureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CompActuallyPaidVsOtherMeasureTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Compensation Actually Paid vs. Other Measure [Text Block]", "terseLabel": "Compensation Actually Paid vs. Other Measure" } } }, "auth_ref": ["r598"] }, "ecd_CompActuallyPaidVsTotalShareholderRtnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CompActuallyPaidVsTotalShareholderRtnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Compensation Actually Paid vs. Total Shareholder Return [Text Block]", "terseLabel": "Compensation Actually Paid vs. Total Shareholder Return" } } }, "auth_ref": ["r595"] }, "us-gaap_ComprehensiveIncomeNetOfTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ComprehensiveIncomeNetOfTax", "crdr": "credit", "presentation": ["http://www.passagebio.com/role/StatementStatementsOfOperationsAndComprehensiveLoss"], "lang": { "en-us": { "role": { "label": "Comprehensive Income (Loss), Net of Tax, Attributable to Parent", "totalLabel": "Comprehensive loss", "documentation": "Amount after tax of increase (decrease) in equity from transactions and other events and circumstances from net income and other comprehensive income, attributable to parent entity. Excludes changes in equity resulting from investments by owners and distributions to owners." } } }, "auth_ref": ["r17", "r101", "r103", "r107", "r394", "r413", "r414"] }, "us-gaap_ComprehensiveIncomeNetOfTaxAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ComprehensiveIncomeNetOfTaxAbstract", "presentation": ["http://www.passagebio.com/role/StatementStatementsOfOperationsAndComprehensiveLoss"], "lang": { "en-us": { "role": { "label": "Comprehensive loss:" } } }, "auth_ref": [] }, "us-gaap_ComputerEquipmentMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ComputerEquipmentMember", "presentation": ["http://www.passagebio.com/role/DisclosureSummaryOfSignificantAccountingPoliciesDetails"], "lang": { "en-us": { "role": { "label": "Computer hardware and software", "documentation": "Long lived, depreciable assets that are used in the creation, maintenance and utilization of information systems." } } }, "auth_ref": [] }, "pasg_ComputerHardwareAndSoftwareMember": { "xbrltype": "domainItemType", "nsuri": "http://www.passagebio.com/20240630", "localname": "ComputerHardwareAndSoftwareMember", "presentation": ["http://www.passagebio.com/role/DisclosurePropertyAndEquipmentNetDetails"], "lang": { "en-us": { "role": { "documentation": "Represents the information pertaining to Computer Hardware and Software.", "label": "Computer hardware and software." } } }, "auth_ref": [] }, "us-gaap_ConcentrationRiskCreditRisk": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskCreditRisk", "presentation": ["http://www.passagebio.com/role/DisclosureSummaryOfSignificantAccountingPoliciesPolicies"], "lang": { "en-us": { "role": { "label": "Concentration Risk, Credit Risk, Policy [Policy Text Block]", "terseLabel": "Concentration of Credit Risk", "documentation": "Disclosure of accounting policy for credit risk." } } }, "auth_ref": ["r34", "r80"] }, "us-gaap_ConstructionInProgressMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConstructionInProgressMember", "presentation": ["http://www.passagebio.com/role/DisclosurePropertyAndEquipmentNetDetails"], "lang": { "en-us": { "role": { "label": "Construction in progress", "documentation": "Structure or a modification to a structure under construction. Includes recently completed structures or modifications to structures that have not been placed into service." } } }, "auth_ref": [] }, "us-gaap_CorporateDebtSecuritiesMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CorporateDebtSecuritiesMember", "presentation": ["http://www.passagebio.com/role/DisclosureCashCashEquivalentsAndMarketableSecuritiesPortfolioOfCashAndCashEquivalentsDetails", "http://www.passagebio.com/role/DisclosureCashCashEquivalentsAndMarketableSecuritiesPortfolioOfMarketableSecuritiesDetails", "http://www.passagebio.com/role/DisclosureFairValueOfFinancialInstrumentsRecurringBasisDetails"], "lang": { "en-us": { "role": { "label": "Corporate debt securities", "documentation": "Debt securities issued by domestic or foreign corporate business, banks and other entities with a promise of repayment." } } }, "auth_ref": ["r511", "r513", "r517", "r530", "r532", "r729"] }, "srt_CounterpartyNameAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "CounterpartyNameAxis", "presentation": ["http://www.passagebio.com/role/DisclosureCommitmentsAndContingenciesCollaborationAgreementsDetails"], "lang": { "en-us": { "role": { "label": "Counterparty Name [Axis]" } } }, "auth_ref": ["r113", "r114", "r219", "r224", "r354", "r374", "r398", "r494", "r496"] }, "dei_CoverAbstract": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "CoverAbstract", "lang": { "en-us": { "role": { "label": "Document and Entity Information", "documentation": "Cover page." } } }, "auth_ref": [] }, "dei_CurrentFiscalYearEndDate": { "xbrltype": "gMonthDayItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "CurrentFiscalYearEndDate", "presentation": ["http://www.passagebio.com/role/DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Current Fiscal Year End Date", "documentation": "End date of current fiscal year in the format --MM-DD." } } }, "auth_ref": [] }, "us-gaap_DemandDepositsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DemandDepositsMember", "presentation": ["http://www.passagebio.com/role/DisclosureCashCashEquivalentsAndMarketableSecuritiesPortfolioOfCashAndCashEquivalentsDetails"], "lang": { "en-us": { "role": { "label": "Cash accounts in banking institutions", "documentation": "Accounts that may or may not bear interest and that depositor is entitled to withdraw at anytime without prior notice. Checking and negotiable order of withdrawal (NOW) accounts are the most common forms of demand deposits." } } }, "auth_ref": [] }, "us-gaap_DepreciationDepletionAndAmortization": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DepreciationDepletionAndAmortization", "crdr": "debit", "presentation": ["http://www.passagebio.com/role/DisclosurePropertyAndEquipmentNetDetails", "http://www.passagebio.com/role/StatementStatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Depreciation, Depletion and Amortization", "terseLabel": "Depreciation and amortization", "verboseLabel": "Depreciation expense", "documentation": "The aggregate expense recognized in the current period that allocates the cost of tangible assets, intangible assets, or depleting assets to periods that benefit from use of the assets." } } }, "auth_ref": ["r4", "r139", "r142", "r151", "r503", "r504"] }, "us-gaap_DisclosureOfCompensationRelatedCostsShareBasedPaymentsTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisclosureOfCompensationRelatedCostsShareBasedPaymentsTextBlock", "presentation": ["http://www.passagebio.com/role/DisclosureShareBasedCompensation"], "lang": { "en-us": { "role": { "label": "Share-based Payment Arrangement [Text Block]", "terseLabel": "Share-Based Compensation", "documentation": "The entire disclosure for share-based payment arrangement." } } }, "auth_ref": ["r235", "r239", "r270", "r271", "r273", "r515"] }, "us-gaap_DisclosureOfCompensationRelatedCostsSharebasedPaymentsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisclosureOfCompensationRelatedCostsSharebasedPaymentsAbstract", "lang": { "en-us": { "role": { "label": "Share-Based Compensation" } } }, "auth_ref": [] }, "dei_DocumentFiscalPeriodFocus": { "xbrltype": "fiscalPeriodItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentFiscalPeriodFocus", "presentation": ["http://www.passagebio.com/role/DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Document Fiscal Period Focus", "documentation": "Fiscal period values are FY, Q1, Q2, and Q3. 1st, 2nd and 3rd quarter 10-Q or 10-QT statements have value Q1, Q2, and Q3 respectively, with 10-K, 10-KT or other fiscal year statements having FY." } } }, "auth_ref": [] }, "dei_DocumentFiscalYearFocus": { "xbrltype": "gYearItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentFiscalYearFocus", "presentation": ["http://www.passagebio.com/role/DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Document Fiscal Year Focus", "documentation": "This is focus fiscal year of the document report in YYYY format. For a 2006 annual report, which may also provide financial information from prior periods, fiscal 2006 should be given as the fiscal year focus. Example: 2006." } } }, "auth_ref": [] }, "dei_DocumentPeriodEndDate": { "xbrltype": "dateItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentPeriodEndDate", "presentation": ["http://www.passagebio.com/role/DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Document Period End Date", "documentation": "For the EDGAR submission types of Form 8-K: the date of the report, the date of the earliest event reported; for the EDGAR submission types of Form N-1A: the filing date; for all other submission types: the end of the reporting or transition period. The format of the date is YYYY-MM-DD." } } }, "auth_ref": [] }, "dei_DocumentQuarterlyReport": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentQuarterlyReport", "presentation": ["http://www.passagebio.com/role/DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Document Quarterly Report", "documentation": "Boolean flag that is true only for a form used as an quarterly report." } } }, "auth_ref": ["r547"] }, "dei_DocumentTransitionReport": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentTransitionReport", "presentation": ["http://www.passagebio.com/role/DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Document Transition Report", "documentation": "Boolean flag that is true only for a form used as a transition report." } } }, "auth_ref": ["r579"] }, "dei_DocumentType": { "xbrltype": "submissionTypeItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentType", "presentation": ["http://www.passagebio.com/role/DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Document Type", "documentation": "The type of document being provided (such as 10-K, 10-Q, 485BPOS, etc). The document type is limited to the same value as the supporting SEC submission type, or the word 'Other'." } } }, "auth_ref": [] }, "ecd_DyddsOrOthrErngsPdOnEqtyAwrdsNtOthrwsRflctdInTtlCompForCvrdYrMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "DyddsOrOthrErngsPdOnEqtyAwrdsNtOthrwsRflctdInTtlCompForCvrdYrMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Dividends or Other Earnings Paid on Equity Awards not Otherwise Reflected in Total Compensation for Covered Year [Member]", "terseLabel": "Dividends or Other Earnings Paid on Equity Awards not Otherwise Reflected in Total Compensation for Covered Year" } } }, "auth_ref": ["r590"] }, "us-gaap_EarningsPerShareAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareAbstract", "presentation": ["http://www.passagebio.com/role/StatementStatementsOfOperationsAndComprehensiveLoss"], "lang": { "en-us": { "role": { "label": "Per share information:" } } }, "auth_ref": [] }, "us-gaap_EarningsPerShareBasic": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareBasic", "presentation": [

"http://www.passagebio.com/role/StatementStatementsOfOperationsAndComprehensiveLoss"], "lang": { "en-us": { "role": { "label": "Earnings Per Share, Basic", "terseLabel": "Net loss per share of common stock, basic", "documentation": "The amount of net income (loss) for the period per each share of common stock or unit outstanding during the reporting period." } } }, "auth_ref": ["r108", "r120", "r121", "r122", "r123", "r124", "r125", "r129", "r131", "r133", "r134", "r135", "r138", "r286", "r289", "r303", "r304", "r395", "r415", "r498"] }, "us-gaap_EarningsPerShareDiluted": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareDiluted", "presentation": ["http://www.passagebio.com/role/StatementStatementsOfOperationsAndComprehensiveLoss"], "lang": { "en-us": { "role": { "label": "Earnings Per Share, Diluted", "terseLabel": "Net loss per share of common stock, diluted", "documentation": "The amount of net income (loss) for the period available to each share of common stock or common unit outstanding during the reporting period and to each share or unit that would have been outstanding assuming the issuance of common shares or units for all dilutive potential common shares or units outstanding during the reporting period." } } }, "auth_ref": ["r108", "r120", "r121", "r122", "r123", "r124", "r125", "r131", "r133", "r134", "r135", "r138", "r286", "r289", "r303", "r304", "r395", "r415", "r498"] }, "us-gaap_EarningsPerSharePolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerSharePolicyTextBlock", "presentation": ["http://www.passagebio.com/role/DisclosureSummaryOfSignificantAccountingPoliciesPolicies"], "lang": { "en-us": { "role": { "label": "Earnings Per Share, Policy [Policy Text Block]", "terseLabel": "Net Loss Per Share", "documentation": "Disclosure of accounting policy for computing basic and diluted earnings or loss per share for each class of common stock and participating security. Addresses all significant policy factors, including any antidilutive items that have been excluded from the computation and takes into account stock dividends, splits and reverse splits that occur after the balance sheet date of the latest reporting period but before the issuance of the financial statements." } } }, "auth_ref": ["r21", "r22", "r137"] }, "us-gaap_EmployeeRelatedLiabilitiesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeRelatedLiabilitiesCurrent", "crdr": "credit", "presentation": ["http://www.passagebio.com/role/DisclosureAccruedExpensesAndOtherCurrentLiabilitiesDetails"], "lang": { "en-us": { "role": { "label": "Employee-related Liabilities, Current", "terseLabel": "Compensation and related benefits", "documentation": "Total of the carrying values as of the balance sheet date of obligations incurred through that date and payable for obligations related to services received from employees, such as accrued salaries and bonuses, payroll taxes and fringe benefits. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)." } } }, "auth_ref": ["r37"] }, "us-gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedPeriodForRecognition1": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedPeriodForRecognition1", "presentation": ["http://www.passagebio.com/role/DisclosureShareBasedCompensationRestrictedStockUnitsDetails", "http://www.passagebio.com/role/DisclosureShareBasedCompensationStockOptionActivityDetails"], "lang": { "en-us": { "role": { "label": "Share-based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Period for Recognition", "terseLabel": "Weighted average period for recognition", "documentation": "Weighted-average period over which cost not yet recognized is expected to be recognized for award under share-based payment arrangement, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days." } } }, "auth_ref": ["r272"] }, "us-gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedShareBasedAwardsOtherThanOptions": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedShareBasedAwardsOtherThanOptions", "crdr": "debit", "presentation": ["http://www.passagebio.com/role/DisclosureShareBasedCompensationRestrictedStockUnitsDetails"], "lang": { "en-us": { "role": { "label": "Share-based Payment Arrangement, Nonvested Award, Excluding Option, Cost Not yet Recognized, Amount", "terseLabel": "Total unrecognized expense", "documentation": "Amount of cost to be recognized for nonvested award under share-based payment arrangement. Excludes share and unit options." } } }, "auth_ref": ["r698"] }, "us-gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedStockOptions": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedStockOptions", "crdr": "debit", "presentation": ["http://www.passagebio.com/role/DisclosureShareBasedCompensationStockOptionActivityDetails"], "lang": { "en-us": { "role": { "label": "Share-based Payment Arrangement, Nonvested Award, Option, Cost Not yet Recognized, Amount", "terseLabel": "Unrecognized compensation expense related to unvested stock option awards", "documentation": "Amount of cost to be recognized for option under share-based payment arrangement." } } }, "auth_ref": ["r698"] }, "us-gaap_EmployeeStockMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeStockMember", 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price for specified period of time." } } }, "auth_ref": [] }, "pasg_EmployeeStockPurchasePlanIssuancePercentageOfCommonStockOutstanding": { "xbrltype": "percentItemType", "nsuri": "http://www.passagebio.com/20240630", "localname": "EmployeeStockPurchasePlanIssuancePercentageOfCommonStockOutstanding", "presentation": ["http://www.passagebio.com/role/DisclosureShareBasedCompensationEquityIncentivePlanEsppDetails"], "lang": { "en-us": { "role": { "documentation": "Represents the percentage of total number of shares of the Company's common stock outstanding equal to which shares may be issued under Employee Stock Purchase Plan.", "label": "Employee Stock Purchase Plan Issuance, Percentage Of Common Stock Outstanding", "terseLabel": "Percentage of common stock outstanding" } } }, "auth_ref": [] }, "pasg_EmployeeStockPurchasePlanMaximumAmountOfCommonStockThatCanBePurchased": { "xbrltype": "monetaryItemType", "nsuri": "http://www.passagebio.com/20240630", "localname": 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It is commonly abbreviated as CIK." } } }, "auth_ref": ["r545"] }, "dei_EntityCommonStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCommonStockSharesOutstanding", "presentation": ["http://www.passagebio.com/role/DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Entity Common Stock, Shares Outstanding", "documentation": "Indicate number of shares or other units outstanding of each of registrant's classes of capital or common stock or other ownership interests, if and as stated on cover of related periodic report. Where multiple classes or units exist define each class/interest by adding class of stock items such as Common Class A [Member], Common Class B [Member] or Partnership Interest [Member] onto the Instrument [Domain] of the Entity Listings, Instrument." } } }, "auth_ref": [] }, "dei_EntityCurrentReportingStatus": { "xbrltype": "yesNoItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCurrentReportingStatus", "presentation": ["http://www.passagebio.com/role/DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Entity Current Reporting Status", "documentation": "Indicate 'Yes' or 'No' whether registrants (1) have filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that registrants were required to file such reports), and (2) have been subject to such filing requirements for the past 90 days. This information should be based on the registrant's current or most recent filing containing the related disclosure." } } }, "auth_ref": [] }, "dei_EntityEmergingGrowthCompany": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityEmergingGrowthCompany", "presentation": ["http://www.passagebio.com/role/DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Entity Emerging Growth Company", "documentation": "Indicate if registrant meets the emerging growth company criteria." } } }, "auth_ref": ["r545"] }, "dei_EntityExTransitionPeriod": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityExTransitionPeriod", "presentation": ["http://www.passagebio.com/role/DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Entity Ex Transition Period", "documentation": "Indicate if an emerging growth company has elected not to use the extended transition period for complying with any new or revised financial accounting standards." } } }, "auth_ref": ["r630"] }, "dei_EntityFileNumber": { "xbrltype": "fileNumberItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityFileNumber", "presentation": ["http://www.passagebio.com/role/DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Entity File Number", "documentation": "Commission file number. The field allows up to 17 characters. The prefix may contain 1-3 digits, the sequence number may contain 1-8 digits, the optional suffix may contain 1-4 characters, and the fields are separated with a hyphen." } } }, "auth_ref": [] }, "dei_EntityFilerCategory": { "xbrltype": "filerCategoryItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityFilerCategory", "presentation": ["http://www.passagebio.com/role/DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Entity Filer Category", "documentation": "Indicate whether the registrant is one of the following: Large Accelerated Filer, Accelerated Filer, Non-accelerated Filer. Definitions of these categories are stated in Rule 12b-2 of the Exchange Act. This information should be based on the registrant's current or most recent filing containing the related disclosure." } } }, "auth_ref": ["r545"] }, "dei_EntityIncorporationStateCountryCode": { "xbrltype": "edgarStateCountryItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityIncorporationStateCountryCode", "presentation": ["http://www.passagebio.com/role/DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Entity Incorporation, State or Country Code", "documentation": "Two-character EDGAR code representing the state or country of incorporation." } } }, "auth_ref": [] }, "dei_EntityInteractiveDataCurrent": { "xbrltype": "yesNoItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityInteractiveDataCurrent", "presentation": ["http://www.passagebio.com/role/DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Entity Interactive Data Current", "documentation": "Boolean flag that is true when the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files)." } } }, "auth_ref": ["r629"] }, "dei_EntityRegistrantName": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityRegistrantName", "presentation": ["http://www.passagebio.com/role/DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Entity Registrant Name", "documentation": "The exact name of the entity filing the report as specified in its charter, which is required by forms filed with the SEC." } } }, "auth_ref": ["r545"] }, "dei_EntityShellCompany": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityShellCompany", "presentation": ["http://www.passagebio.com/role/DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Entity Shell Company", "documentation": "Boolean flag that is true when the registrant is a shell company as defined in Rule 12b-2 of the Exchange Act." } } }, "auth_ref": ["r545"] }, "dei_EntitySmallBusiness": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntitySmallBusiness", "presentation": ["http://www.passagebio.com/role/DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Entity Small Business", "documentation": "Indicates that the company is a Smaller Reporting Company (SRC)." } } }, "auth_ref": ["r545"] }, "dei_EntityTaxIdentificationNumber": { "xbrltype": "employerIdItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname":

"EntityTaxIdentificationNumber", "presentation": ["http://www.passagebio.com/role/DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Entity Tax Identification Number", "documentation": "The Tax Identification Number (TIN), also known as an Employer Identification Number (EIN), is a unique 9-digit value assigned by the IRS." } } }, "auth_ref": ["r545"] }, "ecd_EqtyAwrdsAdjFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "EqtyAwrdsAdjFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Equity Awards Adjustments, Footnote [Text Block]", "terseLabel": "Equity Awards Adjustments, Footnote" } } }, "auth_ref": ["r584"] }, "ecd_EqtyAwrdsAdjsExclgValRprtdInSummryCompstnTblMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "EqtyAwrdsAdjsExclgValRprtdInSummryCompstnTblMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Equity Awards Adjustments, Excluding Value Reported in the Compensation Table [Member]", "terseLabel": "Equity Awards Adjustments, Excluding Value Reported in Compensation Table" } } }, "auth_ref": ["r625"] }, "ecd_EqtyAwrdsAdjsMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "EqtyAwrdsAdjsMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Equity Awards Adjustments [Member]", "terseLabel": "Equity Awards Adjustments" } } }, "auth_ref": ["r625"] }, "ecd_EqtyAwrdsInSummryCompstnTblForAplblYrMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "EqtyAwrdsInSummryCompstnTblForAplblYrMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Aggregate Grant Date Fair Value of Equity Award Amounts Reported in Summary Compensation Table [Member]", "terseLabel": "Aggregate Grant Date Fair Value of Equity Award Amounts Reported in Summary Compensation Table" } } }, "auth_ref": ["r625"] }, "us-gaap_EquityComponentDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityComponentDomain", "presentation": ["http://www.passagebio.com/role/StatementStatementsOfStockholdersEquity"], "lang": { "en-us": { "role": { "label": "Equity Component [Domain]", "documentation": "Components of equity are the parts of the total Equity balance including that which is allocated to common, preferred, treasury stock, retained earnings, etc." } } }, "auth_ref": ["r9", "r87", "r104", "r105", "r106", "r115", "r116", "r117", "r119", "r124", "r126", "r128", "r140", "r188", "r189", "r199", "r226", "r281", "r282", "r283", "r284", "r285", "r287", "r288", "r289", "r295", "r296", "r297", "r298", "r299", "r300", "r302", "r326", "r327", "r328", "r329", "r330", "r331", 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} }, "auth_ref": [] }, "ecd_EquityValuationAssumptionDifferenceFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "EquityValuationAssumptionDifferenceFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Equity Valuation Assumption Difference, Footnote [Text Block]", "terseLabel": "Equity Valuation Assumption Difference, Footnote" } } }, "auth_ref": ["r594"] }, "ecd_ErrCompAnalysisTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ErrCompAnalysisTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "label": "Erroneous Compensation Analysis [Text Block]", "terseLabel": "Erroneous Compensation Analysis" } } }, "auth_ref": ["r552", "r562", "r572", "r604"] }, "ecd_ErrCompRecoveryTable": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", 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["http://www.passagebio.com/role/DisclosureFairValueOfFinancialInstrumentsRecurringBasisDetails"], "lang": { "en-us": { "role": { "label": "Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r306", "r307", "r317", "r517"] }, "us-gaap_FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisTable", "presentation": ["http://www.passagebio.com/role/DisclosureFairValueOfFinancialInstrumentsRecurringBasisDetails"], "lang": { "en-us": { "role": { "label": "Fair Value, Recurring and Nonrecurring [Table]", "documentation": "Disclosure of information about asset and liability measured at fair value on recurring and nonrecurring basis." } } }, "auth_ref": ["r306", "r307", "r317", "r517"] }, "us-gaap_FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisTableTextBlock", "presentation": ["http://www.passagebio.com/role/DisclosureFairValueOfFinancialInstrumentsTables"], "lang": { "en-us": { "role": { "label": "Fair Value Measurements, Recurring and Nonrecurring [Table Text Block]", "terseLabel": "Summary of assets measured at fair value on a recurring basis", "documentation": "Tabular disclosure of financial instrument measured at fair value on recurring or nonrecurring basis. Includes, but is not limited to, instrument classified in shareholders' equity." } } }, "auth_ref": ["r517", "r702", "r703", "r708"] }, "us-gaap_FairValueByFairValueHierarchyLevelAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueByFairValueHierarchyLevelAxis", "presentation": ["http://www.passagebio.com/role/DisclosureFairValueOfFinancialInstrumentsRecurringBasisDetails"], "lang": { "en-us": { "role": { "label": "Fair Value Hierarchy and NAV [Axis]", "documentation": "Information by level within fair value hierarchy and fair value measured at net asset value per share as practical expedient." } } }, "auth_ref": ["r220", "r228", "r229", "r230", "r231", "r232", "r233", "r305", "r307", "r308", "r309", "r310", "r316", "r317", "r319", "r361", "r362", "r363", "r508", "r509", "r511", "r512", "r513", "r517", "r521"] }, "us-gaap_FairValueByMeasurementFrequencyAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueByMeasurementFrequencyAxis", "presentation": ["http://www.passagebio.com/role/DisclosureFairValueOfFinancialInstrumentsRecurringBasisDetails"], "lang": { "en-us": { "role": { "label": "Measurement Frequency [Axis]", "documentation": "Information by measurement frequency." } } }, "auth_ref": ["r306", "r307", "r308", "r310", "r517", "r705", "r709"] }, "us-gaap_FairValueDisclosuresAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueDisclosuresAbstract", "lang": { "en-us": { "role": { "label": "Fair Value of Financial Instruments" } } }, "auth_ref": [] }, "us-gaap_FairValueDisclosuresTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueDisclosuresTextBlock", "presentation": ["http://www.passagebio.com/role/DisclosureFairValueOfFinancialInstruments"], "lang": { "en-us": { "role": { "label": "Fair Value Disclosures [Text Block]", "terseLabel": "Fair Value of Financial Instruments", "documentation": "The entire disclosure for the fair value of financial instruments (as defined), including financial assets and financial liabilities (collectively, as defined), and the measurements of those instruments as well as disclosures related to the fair value of non-financial assets and liabilities. Such disclosures about the financial instruments, assets, and liabilities would include: (1) the fair value of the required items together with their carrying amounts (as appropriate); (2) for items for which it is not practicable to estimate fair value, disclosure would include: (a) information pertinent to estimating fair value (including, carrying amount, effective interest rate, and maturity, and (b) the reasons why it is not practicable to estimate fair value; (3) significant concentrations of credit risk including: (a) information about the activity, region, or economic characteristics identifying a concentration, (b) the maximum amount of loss the entity is exposed to based on the gross fair value of the related item, (c) policy for requiring collateral or other security and information as to accessing such collateral or security, and (d) the nature and brief description of such collateral or security; (4) quantitative information about market risks and how such risks are managed; (5) for items measured on both a recurring and nonrecurring basis information regarding the inputs used to develop the fair value measurement; and (6) for items presented in the financial statement for which fair value measurement is elected: (a) information necessary to understand the reasons for the election, (b) discussion of the effect of fair value changes on earnings, (c) a description of [similar groups] items for which the election is made and the relation thereof to the balance sheet, the aggregate carrying value of items included in the balance sheet that are not eligible for the election; (7) all other required (as defined) and desired information." } } }, "auth_ref": ["r312", "r314", "r315", "r316", "r319", "r320", "r321", "r322", "r323", "r392", "r517", "r522"] }, "us-gaap_FairValueInputsLevel1Member": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueInputsLevel1Member", "presentation": ["http://www.passagebio.com/role/DisclosureFairValueOfFinancialInstrumentsRecurringBasisDetails"], "lang": { "en-us": { "role": { "label": "Level 1", "documentation": "Quoted prices in active markets for identical assets or liabilities that the reporting entity can access at the measurement date." } } }, "auth_ref": ["r220", "r228", "r233", "r307", "r317", "r361", "r511", "r512", "r513", "r517"] }, "us-gaap_FairValueInputsLevel2Member": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueInputsLevel2Member", "presentation": ["http://www.passagebio.com/role/DisclosureFairValueOfFinancialInstrumentsRecurringBasisDetails"], "lang": { "en-us": { "role": { "label": "Level 2", "documentation": "Inputs other than quoted prices included within level 1 that are observable for an asset or liability, either directly or indirectly, including, but not limited to, quoted prices for similar assets or liabilities in active markets, or quoted prices for identical or similar assets or liabilities in inactive markets." } } }, "auth_ref": ["r220", "r228", "r233", "r307", "r308", "r317", "r362", "r508", "r509", "r511", "r512", "r513", "r517"] }, "us-gaap_FairValueMeasurementFrequencyDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueMeasurementFrequencyDomain", "presentation": ["http://www.passagebio.com/role/DisclosureFairValueOfFinancialInstrumentsRecurringBasisDetails"], "lang": { "en-us": { "role": { "label": "Measurement Frequency [Domain]", "documentation": "Measurement frequency." } } }, "auth_ref": ["r306", "r307", "r308", "r310", "r517", "r705", "r709"] }, "us-gaap_FairValueMeasurementsFairValueHierarchyDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueMeasurementsFairValueHierarchyDomain", "presentation": ["http://www.passagebio.com/role/DisclosureFairValueOfFinancialInstrumentsRecurringBasisDetails"], "lang": { "en-us": { "role": { "label": "Fair Value Hierarchy and NAV [Domain]", "documentation": "Categories used to prioritize the inputs to valuation techniques to measure fair value." } } }, "auth_ref": ["r220", "r228", "r229", "r230", "r231", "r232", "r233", "r305", "r307", "r308", "r309", "r310", "r316", "r317", "r319", "r361", "r362", "r363", "r508", "r509", "r511", "r512", "r513", "r517", "r521"] }, "us-gaap_FairValueMeasurementsRecurringMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueMeasurementsRecurringMember", "presentation": ["http://www.passagebio.com/role/DisclosureFairValueOfFinancialInstrumentsRecurringBasisDetails"], "lang": { "en-us": { "role": { "label": "Recurring", "documentation": "Frequent fair value measurement. Includes, but is not limited to, fair value adjustment for impairment of asset, liability or equity, frequently measured at fair value." } } }, "auth_ref": ["r517", "r702", "r703", "r704", "r705", "r706", "r709"] }, "us-gaap_FairValueOfFinancialInstrumentsPolicy": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueOfFinancialInstrumentsPolicy", "presentation": ["http://www.passagebio.com/role/DisclosureSummaryOfSignificantAccountingPoliciesPolicies"], "lang": { "en-us": { "role": { "label": "Fair Value of Financial Instruments, Policy [Policy Text Block]", "terseLabel": "Fair Value of Financial Instruments", "documentation": "Disclosure of accounting policy for determining the fair value of financial instruments." } } }, "auth_ref": ["r6"] }, "us-gaap_FinancialInstrumentAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinancialInstrumentAxis", "presentation": 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Examples include, but are not limited to, desks, chairs, tables, and bookcases." } } }, "auth_ref": [] }, "us-gaap_GainLossOnSaleOfPropertyPlantEquipment": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "GainLossOnSaleOfPropertyPlantEquipment", "crdr": "credit", "presentation": ["http://www.passagebio.com/role/DisclosureSummaryOfSignificantAccountingPoliciesDetails", "http://www.passagebio.com/role/StatementStatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Gain (Loss) on Disposition of Property Plant Equipment", "negatedLabel": "Loss on disposal of property and equipment", "terseLabel": "Loss on disposal of property and equipment", "documentation": "Amount of gain (loss) on sale or disposal of property, plant and equipment assets, including oil and gas property and timber property." } } }, "auth_ref": ["r4"] }, "pasg_GainLossOnSaleOfTaxCredits": { "xbrltype": "monetaryItemType", "nsuri": "http://www.passagebio.com/20240630", "localname": "GainLossOnSaleOfTaxCredits", "crdr": "credit",

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For an entity that has not commenced principal operations, disclosures about the risks and uncertainties related to the activities in which the entity is currently engaged and an understanding of what those activities are being directed toward." } } }, "auth_ref": [ "r77", "r86" ] }, "us-gaap_NetCashProvidedByUsedInFinancingActivities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInFinancingActivities", "crdr": "debit", "presentation": [ "http://www.passagebio.com/role/StatementStatementsOfCashFlows" ], "lang": { "en-us": { "role": { "label": "Net Cash Provided by (Used in) Financing Activities", "totalLabel": "Net cash provided by (used in) financing activities", "documentation": "Amount of cash inflow (outflow) from financing activities, including discontinued operations. Financing activity cash flows include obtaining resources from owners and providing them with a return on, and a return of, their investment; borrowing money and repaying amounts borrowed, or settling the obligation; and obtaining and paying for other resources obtained from creditors on long-term credit." } } }, "auth_ref": [ "r109" ] }, "us-gaap_NetCashProvidedByUsedInFinancingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInFinancingActivitiesAbstract", "presentation": [ "http://www.passagebio.com/role/StatementStatementsOfCashFlows" ], "lang": { "en-us": { "role": { "label": "Cash flows provided by (used in) financing activities:" } } }, "auth_ref": [] }, "us-gaap_NetCashProvidedByUsedInInvestingActivities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInInvestingActivities", "crdr": "debit", "presentation": [ "http://www.passagebio.com/role/StatementStatementsOfCashFlows" ], "lang": { "en-us": { "role": { "label": "Net Cash Provided by (Used in) Investing Activities", "totalLabel": "Net cash provided by (used in) investing activities", "documentation": "Amount of cash inflow (outflow) from investing activities, including discontinued operations. Investing activity cash flows include making and collecting loans and acquiring and disposing of debt or equity instruments and property, plant, and equipment and other productive assets." } } }, "auth_ref": [ "r109" ] }, "us-gaap_NetCashProvidedByUsedInInvestingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInInvestingActivitiesAbstract", "presentation": [ "http://www.passagebio.com/role/StatementStatementsOfCashFlows" ], "lang": { "en-us": { "role": { "label": "Cash flows provided by (used in) investing activities:" } } }, "auth_ref": [] }, "us-gaap_NetCashProvidedByUsedInOperatingActivities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInOperatingActivities", "presentation": [ "http://www.passagebio.com/role/StatementStatementsOfCashFlows" ], "lang": { "en-us": { "role": { "label": "Net Cash Provided by (Used in) Operating Activities", "totalLabel": "Net cash provided by (used in) operating activities", "documentation": "Amount of cash inflow (outflow) from operating activities, including discontinued operations. 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accounting policy pertaining to new accounting pronouncements that may impact the entity's financial reporting. Includes, but is not limited to, quantification of the expected or actual impact." } } }, "auth_ref": [] }, "pasg_NewLeaseAgreementOperatingLeaseNumberOfExtensions": { "xbrltype": "integerItemType", "nsuri": "http://www.passagebio.com/20240630", "localname": "NewLeaseAgreementOperatingLeaseNumberOfExtensions", "presentation": ["http://www.passagebio.com/role/DisclosureLeasesDetails"], "lang": { "en-us": { "role": { "documentation": "Represents the number of extensions available under the new lease arrangement.", "label": "New Lease Agreement, Operating Lease, Number Of Extensions", "terseLabel": "Number of extension terms" } } }, "auth_ref": [] }, "pasg_NewLeaseAgreementOperatingLeaseRenewalTerm": { "xbrltype": "durationItemType", "nsuri": "http://www.passagebio.com/20240630", "localname": "NewLeaseAgreementOperatingLeaseRenewalTerm", "presentation": ["http://www.passagebio.com/role/DisclosureLeasesDetails"], "lang": { "en-us": { "role": { "documentation": "Represents the renewal term 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Examples include, but are not limited to, computers, copiers and fax machine." } } }, "auth_ref": [] }, "us-gaap_OperatingExpensesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingExpensesAbstract", "presentation": ["http://www.passagebio.com/role/StatementStatementsOfOperationsAndComprehensiveLoss"], "lang": { "en-us": { "role": { "label": "Operating expenses:" } } } }, "auth_ref": [] }, "us-gaap_OperatingIncomeLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingIncomeLoss", "crdr": "credit", "presentation": ["http://www.passagebio.com/role/StatementStatementsOfOperationsAndComprehensiveLoss"], "lang": { "en-us": { "role": { "label": "Operating Income (Loss)", "totalLabel": "Loss from operations", "documentation": "The net result for the period of deducting operating expenses from operating revenues." } } }, "auth_ref": ["r75", "r500", "r649", "r650", "r651", "r652", "r653"] }, "us-gaap_OperatingLeaseCost": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseCost", "crdr": "debit", "presentation": ["http://www.passagebio.com/role/DisclosureLeasesOperatingLeaseCostDetails"], "lang": { "en-us": { "role": { "label": "Operating Lease, Cost", "terseLabel": "Operating lease cost", "documentation": "Amount of single lease cost, calculated by allocation of remaining cost of lease over remaining lease term. Includes, but is not limited to, single lease cost, after impairment of right-of-use asset, calculated by amortization of remaining right-of-use asset and accretion of lease liability." } } }, "auth_ref": ["r343", "r528"] }, "us-gaap_OperatingLeaseLiabilitiesPaymentsDueAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseLiabilitiesPaymentsDueAbstract", "presentation": ["http://www.passagebio.com/role/DisclosureLeasesDetails"], "lang": { "en-us": { "role": { "label": "Operating Leases, Future Minimum Payments Due, Fiscal Year Maturity [Abstract]", "terseLabel": "Future minimum lease payments" } } }, "auth_ref": [] }, "us-gaap_OperatingLeaseLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseLiability", "crdr": "credit", "presentation": ["http://www.passagebio.com/role/DisclosureLeasesDetails"], "lang": { "en-us": { "role": { "label": "Operating Lease, Liability", "verboseLabel": "Total Lease Liabilities", "documentation": "Present value of lessee's discounted obligation for lease payments from operating lease." } } }, "auth_ref": ["r337"] }, "us-gaap_OperatingLeaseLiabilityCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseLiabilityCurrent", "crdr": "credit", "presentation": ["http://www.passagebio.com/role/StatementBalanceSheets"], "lang": { "en-us": { "role": { "label": "Operating Lease, Liability, Current", "terseLabel": "Operating lease liabilities", "documentation": "Present value of lessee's discounted obligation for lease payments from operating lease, classified as current." } } }, "auth_ref": ["r337"] }, "us-gaap_OperatingLeaseLiabilityNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseLiabilityNoncurrent", "crdr": "credit", "presentation": ["http://www.passagebio.com/role/StatementBalanceSheets"], "lang": { "en-us": { "role": { "label": "Operating Lease, Liability, Noncurrent", "terseLabel": "Operating lease liabilities - 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Excludes unrealized gain (loss) on investment in debt security measured at amortized cost (held-to-maturity) from transfer to available-for-sale." } } }, "auth_ref": ["r98", "r99", "r186"] }, "pasg_OtherIncomeAndOtherExpensePolicyPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://www.passagebio.com/20240630", "localname": "OtherIncomeAndOtherExpensePolicyPolicyTextBlock", "presentation": ["http://www.passagebio.com/role/DisclosureSummaryOfSignificantAccountingPoliciesPolicies"], "lang": { "en-us": { "role": { "documentation": "Disclosure of accounting policy for other income or other expense items.", "label": "Other Income and Other Expense Policy [Policy Text Block]", "terseLabel": "Other Income (Expense), Net" } } }, "auth_ref": [] }, "us-gaap_OtherLiabilitiesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherLiabilitiesCurrent", "crdr": "credit", "presentation": 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Includes, but is not limited to, preferred shares issued, repurchased, and held as treasury shares. Excludes preferred shares classified as debt." } } }, "auth_ref": ["r43", "r223"] }, "us-gaap_PreferredStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PreferredStockSharesOutstanding", "presentation": ["http://www.passagebio.com/role/StatementBalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "label": "Preferred Stock, Shares Outstanding", "terseLabel": "Preferred stock, shares outstanding", "documentation": "Aggregate share number for all nonredeemable preferred stock (or preferred stock redeemable solely at the option of the issuer) held by stockholders. Does not include preferred shares that have been repurchased." } } }, "auth_ref": ["r43", "r442", "r460", "r732", "r733"] }, "us-gaap_PreferredStockValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PreferredStockValue", "crdr": "credit", "presentation": ["http://www.passagebio.com/role/StatementBalanceSheets"], "lang": { "en-us": { "role": { "label": "Preferred Stock, Value, Issued", "terseLabel": "Preferred stock, $0.0001 par value: 10,000,000 shares authorized; no shares issued and outstanding at both June 30, 2024 and December 31, 2023", "documentation": "Aggregate par or stated value of issued nonredeemable preferred stock (or preferred stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable preferred shares, par value and other disclosure concepts are in another section within stockholders' equity." } } }, "auth_ref": ["r43", "r402", "r529"] }, "us-gaap_PrepaidExpenseAndOtherAssetsCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PrepaidExpenseAndOtherAssetsCurrent", "crdr": "debit", "presentation": ["http://www.passagebio.com/role/StatementBalanceSheets"], "lang": { "en-us": { "role": { "label": "Prepaid Expense and Other Assets, Current", "terseLabel": "Prepaid expenses and other current assets", "documentation": "Amount of asset related to consideration paid in advance for costs that provide economic benefits in future periods, and amount of other assets that are expected to be realized or consumed within one year or the normal operating cycle, if longer." } } }, "auth_ref": ["r639"] }, "pasg_PrepaidResearchAndDevelopmentAssetCurrent": { "xbrltype": "monetaryItemType", "nsuri": 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Includes, but is not limited to, work of art, historical treasure, and similar asset classified as collections." } } }, "auth_ref": ["r62", "r81", "r84", "r85"] }, "us-gaap_PropertyPlantAndEquipmentGross": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentGross", "crdr": "debit", "presentation": ["http://www.passagebio.com/role/DisclosurePropertyAndEquipmentNetDetails"], "lang": { "en-us": { "role": { "label": "Property, Plant and Equipment, Gross", "terseLabel": "Total property and equipment", "documentation": "Amount before accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures." } } }, "auth_ref": ["r64", "r92", "r409"] }, "us-gaap_PropertyPlantAndEquipmentLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentLineItems", "presentation": ["http://www.passagebio.com/role/DisclosurePropertyAndEquipmentNetDetails"], "lang": { "en-us": { "role": { "label": "Property, Plant and Equipment [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r351"] }, "us-gaap_PropertyPlantAndEquipmentNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentNet", "crdr": "debit", "presentation": ["http://www.passagebio.com/role/DisclosurePropertyAndEquipmentNetDetails", "http://www.passagebio.com/role/StatementBalanceSheets"], "lang": { "en-us": { "role": { "label": "Property, Plant and Equipment, Net", "terseLabel": "Property and equipment, net", "totalLabel": "Total, property plant and equipment net", "documentation": "Amount after accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business to produce goods and services and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures." } } }, "auth_ref": ["r5", "r351", "r397", "r409", "r529"] }, "us-gaap_PropertyPlantAndEquipmentPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentPolicyTextBlock", "presentation": ["http://www.passagebio.com/role/DisclosureSummaryOfSignificantAccountingPoliciesPolicies"], "lang": { "en-us": { "role": { "label": "Property, Plant and Equipment, Policy [Policy Text Block]", "terseLabel": "Property and Equipment, Net", "documentation": "Disclosure of accounting policy for long-lived, physical asset used in normal conduct of business and not intended for resale. Includes, but is not limited to, work of art, historical treasure, and similar asset classified as collections." } } }, "auth_ref": ["r5", "r81", "r84", "r407"] }, "us-gaap_PropertyPlantAndEquipmentTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentTypeDomain", "presentation": ["http://www.passagebio.com/role/DisclosureLeasesDetails", "http://www.passagebio.com/role/DisclosurePropertyAndEquipmentNetDetails", "http://www.passagebio.com/role/DisclosureSummaryOfSignificantAccountingPoliciesDetails"], "lang": { "en-us": { "role": { "label": "Long-Lived Tangible Asset [Domain]", "documentation": "Listing of long-lived, physical assets that are used in the normal conduct of business to produce goods and services and not intended for resale. Examples include land, buildings, machinery and equipment, and other types of furniture and equipment including, but not limited to, office equipment, furniture and fixtures, and computer equipment and software." } } }, "auth_ref": ["r64", "r351"] }, "us-gaap_PropertyPlantAndEquipmentUsefulLife": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentUsefulLife", "presentation": ["http://www.passagebio.com/role/DisclosureSummaryOfSignificantAccountingPoliciesDetails"], "lang": { "en-us": { "role": { "label": "Property, Plant and Equipment, Useful Life", "terseLabel": "Useful life", "documentation": "Useful life of long lived, physical assets used in the normal conduct of business and not intended for resale, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. Examples include, but not limited to, land, buildings, machinery and equipment, office equipment, furniture and fixtures, and computer equipment." } } }, "auth_ref": [] }, "us-gaap_PurchaseCommitmentRemainingMinimumAmountCommitted": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PurchaseCommitmentRemainingMinimumAmountCommitted", "crdr": "credit", "presentation": ["http://www.passagebio.com/role/DisclosureCommitmentsAndContingenciesCollaborationAgreementsDetails"], "lang": { "en-us": { "role": { "label": "Purchase Commitment, Remaining Minimum Amount Committed", "terseLabel": "Minimum amount agreed to purchase in batches of drug product", "documentation": "Minimum amount to be expended to satisfy the terms of arrangements in which the entity has agreed to expend funds to procure goods or services, excluding long-term purchase commitments or unconditional purchase obligations." } } }, "auth_ref": ["r41", "r72"] }, "ecd_PvpTable": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "PvpTable", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Pay vs Performance Disclosure [Table]", "terseLabel": "Pay vs Performance Disclosure" } } }, "auth_ref": ["r581"] }, "ecd_PvpTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "PvpTableTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Pay vs Performance [Table Text Block]", "terseLabel": "Pay vs Performance Disclosure, Table" } } }, "auth_ref": ["r581"] }, "srt_RangeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "RangeAxis", "presentation": ["http://www.passagebio.com/role/DisclosureCommitmentsAndContingenciesCollaborationAgreementsDetails", "http://www.passagebio.com/role/DisclosureLeasesDetails", "http://www.passagebio.com/role/DisclosureRisksAndLiquidityDetails"], "lang": { "en-us": { "role": { "label": "Statistical Measurement [Axis]" } } } }, "auth_ref": ["r205", "r206", "r207", "r208", "r227", "r234", "r265", "r266", "r267", "r279", "r310", "r364", "r373", "r390", "r416", "r418", "r426", "r432", "r433", "r483", "r484", "r485", "r486", "r487", "r490", "r491", "r506", "r510", "r514", "r521", "r522", "r526", "r527", "r531", "r535", "r666", "r670", "r705", "r719", "r720", "r721", "r722", "r723"] }, "srt_RangeMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "RangeMember", "presentation": ["http://www.passagebio.com/role/DisclosureCommitmentsAndContingenciesCollaborationAgreementsDetails", "http://www.passagebio.com/role/DisclosureLeasesDetails", "http://www.passagebio.com/role/DisclosureRisksAndLiquidityDetails"], "lang": { "en-us": { "role": { "label": "Statistical Measurement [Domain]" } } }, "auth_ref": ["r205", "r206", "r207", "r208", "r227", "r234", "r265", "r266", "r267", "r279", "r310", "r364", "r373", "r390", "r416", "r418", "r426", "r432", "r433", "r483", "r484", "r485", "r486", "r487", "r490", "r491", "r506", "r510",

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Includes, but is not limited to, unvested options for which requisite service period has not been rendered but that are expected to vest based on achievement of performance condition, if forfeitures are recognized when they occur." } } }, "auth_ref": [ "r260" ] }, "us-gaap_SharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SharesOutstanding", "presentation": [ "http://www.passagebio.com/role/StatementStatementsOfStockholdersEquity" ], "lang": { "en-us": { "role": { "label": "Shares, Outstanding", "periodEndLabel": "Balance at end of period (in shares)", "periodStartLabel": "Balance at Beginning of period (in shares)", "documentation": "Number of shares issued which are neither cancelled nor held in the treasury." } } }, "auth_ref": [] }, "us-gaap_SignificantAccountingPoliciesTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SignificantAccountingPoliciesTextBlock", "presentation": [ "http://www.passagebio.com/role/DisclosureSummaryOfSignificantAccountingPolicies" ], "lang": { "en-us": { "role": { "label": "Significant Accounting Policies [Text Block]", "terseLabel": "Summary of Significant Accounting Policies", "documentation": "The entire disclosure for all significant accounting policies of the reporting entity." } } }, "auth_ref": [ "r60", "r111" ] }, "us-gaap_StatementEquityComponentsAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StatementEquityComponentsAxis", "presentation": [ "http://www.passagebio.com/role/StatementStatementsOfStockholdersEquity" ], "lang": { "en-us": { "role": { "label": "Equity Components [Axis]", "documentation": "Information by component of equity." } } }, "auth_ref": [ "r9", "r44", "r47", "r48", "r87", "r104", "r105", "r106", "r115", "r116", "r117", "r119", "r124", "r126", "r128", "r140", "r188", "r189", "r199", "r226", "r281", "r282", "r283", "r284", "r285", "r287", "r288", "r289", "r295", "r296", "r297", "r298", "r299", "r300", "r302", "r326", "r327", "r328", "r329", "r330", "r331", "r333", "r335", "r353", "r411", "r420", "r421", "r422", "r430", "r480" ] }, "us-gaap_StatementLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StatementLineItems", "presentation": [ "http://www.passagebio.com/role/StatementStatementsOfStockholdersEquity" ], "lang": { "en-us": { "role": { "label": "Statement [Line Items]", "documentation": "Line items represent financial concepts included in a table. 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Excludes employee stock ownership plan (ESOP)." } } }, "auth_ref": [ "r29", "r43", "r44", "r67" ] }, "pasg_StockOptionsIncludingSharesSubjectToRepurchaseMember": { "xbrltype": "domainItemType", "nsuri": "http://www.passagebio.com/20240630", "localname": "StockOptionsIncludingSharesSubjectToRepurchaseMember", "presentation": [ "http://www.passagebio.com/role/DisclosureSummaryOfSignificantAccountingPoliciesDetails" ], "lang": { "en-us": { "role": { "documentation": "Represents information pertaining to stock options (including shares subject to repurchase).", "label": "Stock options (including shares subject to repurchase)" } } }, "auth_ref": [] }, "us-gaap_StockholdersEquity": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockholdersEquity", "crdr": "credit", "presentation": [ "http://www.passagebio.com/role/StatementBalanceSheets", "http://www.passagebio.com/role/StatementStatementsOfStockholdersEquity" ], "lang": { "en-us": { "role": { "label": "Stockholders' Equity Attributable to Parent", "periodEndLabel": "Balance at end of period", "periodStartLabel": "Balance at Beginning of period", "totalLabel": "Total stockholders' equity", "documentation": "Amount of equity (deficit) attributable to parent. 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Examples include: the sale of a capital stock issue, purchase of a business, settlement of litigation, catastrophic loss, significant foreign exchange rate changes, loans to insiders or affiliates, and transactions not in the ordinary course of business." } } }, "auth_ref": [ "r355", "r357" ] }, "us-gaap_SubsidiarySaleOfStockAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SubsidiarySaleOfStockAxis", "presentation": [ "http://www.passagebio.com/role/DisclosureRisksAndLiquidityDetails" ], "lang": { "en-us": { "role": { "label": "Sale of Stock [Axis]", "documentation": "Information by type of sale of the entity's stock." } } }, "auth_ref": [] }, "us-gaap_SupplementalCashFlowInformationAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SupplementalCashFlowInformationAbstract", "presentation": [ "http://www.passagebio.com/role/StatementStatementsOfCashFlows" ], "lang": { "en-us": { "role": { "label": "Supplemental disclosure of noncash investing and financing activities:", "terseLabel": "Supplemental disclosure of noncash investing and financing activities:" } } }, "auth_ref": [] }, "ecd_TabularListTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "TabularListTableTextBlock", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "label": "Tabular List [Table Text Block]", "terseLabel": "Tabular List, Table" } } }, "auth_ref": [ "r599" ] }, "pasg_TermOfManufacturingAndSupplyAgreement": { "xbrltype": "durationItemType", "nsuri": "http://www.passagebio.com/20240630", "localname": "TermOfManufacturingAndSupplyAgreement", "presentation": [ "http://www.passagebio.com/role/DisclosureCommitmentsAndContingenciesCollaborationAgreementsDetails" ], "lang": { "en-us": { "role": { "documentation": "Represents the term of manufacturing and supply agreement.", "label": "Term Of Manufacturing And Supply Agreement", "terseLabel": "Term of manufacturing and supply agreement" } } }, "auth_ref": [] }, "ecd_TotalShareholderRtnAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "TotalShareholderRtnAmt", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "label": "Total Shareholder Return Amount", "terseLabel": "Total Shareholder Return Amount" } } }, "auth_ref": [ "r591" ] }, "ecd_TotalShareholderRtnVsPeerGroupTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "TotalShareholderRtnVsPeerGroupTextBlock", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "label": "Total Shareholder Return Vs Peer Group [Text Block]", "terseLabel": "Total Shareholder Return Vs Peer Group" } } }, "auth_ref": [ "r598" ] }, "ecd_TradingArrAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "TradingArrAxis", "presentation": [ "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements" ], "lang": { "en-us": { "role": { "label": "Trading Arrangement [Axis]", "terseLabel": "Trading Arrangement." } } }, "auth_ref": [ "r618" ] }, "ecd_TradingArrByIndTable": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "TradingArrByIndTable", "presentation": [ "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements" ], "lang": { "en-us": { "role": { "label": "Trading Arrangements, by Individual
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Excludes US treasury securities and debt issued by government-sponsored Enterprises (GSEs), for example, but is not limited to, Federal Home Loan Mortgage Corporation (FHLMC or Freddie Mac), Federal National Mortgage Association (FNMA or Fannie Mae), and the Federal Home Loan Bank (FHLB)." } } }, "auth_ref": ["r497", "r511", "r724"] }, "us-gaap_USGovernmentDebtSecuritiesMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "USGovernmentDebtSecuritiesMember", "presentation": ["http://www.passagebio.com/role/DisclosureCashCashEquivalentsAndMarketableSecuritiesPortfolioOfMarketableSecuritiesDetails", "http://www.passagebio.com/role/DisclosureFairValueOfFinancialInstrumentsRecurringBasisDetails"], "lang": { "en-us": { "role": { "label": "U.S. government securities", "documentation": "Debt securities issued by the United States government." } } }, "auth_ref": ["r724"] }, "ecd_UndrlygSecurityMktPriceChngPct": { "xbrltype": "pureItemType", "nsuri": 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MJQ7UR0T3@KLN.17<7C!"#@_VW-\)[!^2T>BS9G%*)50)?*)Y'>T?)@5G,,?`M/R$?QN`1P=`,\CQR9LW)X?OR>U-0G8#`7.X@>Y)VB?26C*/$D7%@JDOU&-RM12WV.6^IU.ID/'\'?-Q?42GI@LUYL&\%GN9T\.X8Y*=*`3X/%;L,A'?.`IZ_M"G3A_Q%25[<.*G(9*]% D"L&G?KR!/11./#Q>#\0"VCHX'#\\WUO>YB0NQR M_UN!^FDNW(3^>(S%0BZ84TO],@RE:2>@P%8I;9[N[3@J3$A]MD_,OE^`M'(O 9>.8+&W,>CV,]?0[X0RE*,%I:N4W*%RKDGC @U!ICQN5MZ(^U)1WV)Y M:7E#?],IK2#TE7@NJD-8ER:D M4JB1>EXQ6=9,6E3HA*W$6H5"5Z!XC,58YVAT<#PZ/DQJ@LTOV@V"B)[YH7=4 M93Q'!V/VI)@O^=QE(R1C@BJ80^3H:#^M;H5"P&Q2I]^XM*A@.4(KJ]!%4E(@ ME]RJ9@X%ZWQK=)R4%/F"XFOZD185*ZB5J.D)E!1(V9.UK",%D@*I3[DEJVEU M48&XQ;R5"EYA%K2IL">^ M?19*%7B3)R[/ X]R/S8XJFITTMKP.69 (@X# M!-40!_DU)FNDD40!TG@@1J6N$0^L.M KN/3H:(1O*,2>!EW$C@DXT\HCK1\ M"P2,&_UHWM&Y?+2#1Z;@,QHC)B],6"&K(CF-8!3LXJABO#?Q1\A?Z N:@[& MSPT5WYBBX)?>,WQH6M,W@9".8'+@ZE357P./W"WM.3MG`_S^O@&,.)H?8G$ M]G^*C"'7#3V,LY9(UA1423N#9E1-]$^D+%MVJ#9^HYW8'T_Y+I'=/](UL%:B_QQ,$FC25Y2+OZ'NB&;.JA7W^+4 MO?*E$CH@)^]0F8+[BU,J>9V5,<3#9#AO#P[7#0?,(;HAA#QMBN3:(C^DK0$Y M-C?8@-D&;D4 OIQZAJD!!^0*.?F%J1JT#=0F7.^5<4TXZBD@Y?D3 .X#>D;T M)I8E0F9?/*W]V8XOT_5DHDS'0A3UYS.N=NT1G2N;T+X?1GAN V2.**1ULV0 MN!V2:V@ W0CZ-:.R%M%BH0FN#V6X(@8##"UAB'?"_D)_/0MDW=1I(C=#57+E M8ZA&).5*7/R)6,!W0+ =@K&6SJ#[1Y68%0@:4'IS\+%F-&50$.1"C@9$6H0? M;RFN#4NF.C2%(LL$K8(3+YM#$R2'PH,A^`3(I1UKP+KVS)P;28D.G'JN2&F M54%L!.W8$-S*_PO$G$=@*N9]^ZX_(.^WC4'/=F@J9HEJY;.M%8=E2="S4N[ M?BFW884R'ZN%GD?%,XP9OO"Y_.1K\"?QCP"6.UO Y=;]LO*>\!3K[3+ZW-R"_0)8,HMX\^ZICYT6FX*@Q2YELZ!NRZ=!Y$IWJ3A6#1VEIG2ALS,EE,A0^=:RP^; M!C,X/*A8;;"=..$WQ(418V1M#6"S9`I-[JO\G%_>WM8 D;6D(-ME$DKY,] MM.)DMHI2#*3!*J*BN2ZR\D4L:G6PBDVM C=;TY6>X"T8;_4[B,[US190.E)L ML@!LB$0MD:2! ?8-89]{&7!:E_(K%%WYH$#RO6*8+>(SBE,.Y8_I8Q7'^PA3#A1%]-(16R3@XNR MJ2W>,.D$MQ2SM3Z_0N>ZV5<3 [/-O.U@,UE+,?:ZK0'Y%L&/N61_A"#NQ4/# M7J2.S(3B855 (V%%(EX#2G4HQ4]M)?]C0@"XWNCQ.X'PM 0Q4&THC?%?V!**6,HWHQ)NR#\ ,E6H??-8NYF\+:*M@^8;AUCWSQV;L9V!T'Q >'-4EH[9]^: ML=PL4W6 KULV:LLT5#-H 6*>09++NXHQ&F+D>? T(M0X>FF*$9E3;1P@&.K?;2 MV^VIV^VM/Q[!UKI\B-PAD2WY-2MT-[AEO:#;&.ZS8C?0Q(EP^+.R =M3+@ MO'TTI1KKSO5->._B>>,!}>TB+-50MZMDPO=M&=]6CP4/D&X4=:F&LIG8!.&[M,H2-3P /T.TH$E,-9M?J)GC?E^'M^OC0@'B;Z$PUG(4R$U8?RE@ES_X.&&P2 M *CQ:)MH#1AU2G<<4&LU*/L*+DV]G<0=?_);QVO6O\0^$2 M6'T%+*@@$(KXQ;O,Y=JUS,=YL4:'^X=]+H*_3JP]&]9M36UE*ON0[-Q1QMZ M4'\%;EW#E>3Z-ES\L\%FKV57!K5I-R/%##MU;--VVWTG=%3?U=;M:1BMO9[]Q M7LT5HE!KA'Q&AT>CPW<;]R-_R7J;/N@J^"V]S!U[<8R]..YH@J5[[5NVGU3 MAM^V;K+N8O)& ZR\\W[,7"53-MWLL>82_2TZH6^\WJP/V1WB[=I/Z*.V\6+U MS6> PFW:&\P]4++>R]?A5#*]KCQ#7G]P[9%-CE3WM=*G!\-A;7#055]DBT_.FW M&IQX@0_>IWB^4LQ#GPV$#.<2EID01?Q%!.$J(>5 NN0_@SK$P_LF684C3"5M%,VCBU0^[5F"V5PU2@U.M8BNUXG^O_)O!5M1;M^!^P:+)3YU?LX>F!OH>% B M>_=J+ZL!.Q3QZ6]W%33V?"(E4S&DB?!=*GP?X&W8?#4+7+UG(F03 M08-0^)"-OV@M$HV9)JR:D.TBS8P]J5,WL+[5BI.GJ)0G?1O'B4I(=V*@NYB" MLFUM2= M>?1%%?JBTJESF]M%ZB/!,K*M*/LBUI6OH(J7GI!DUR?52->E0E^$ MQ)?XV*!+IDYLC#FK,\2V2_+OB%=?5%.>AK!;]9-47+K]A&NKDR64"RNN2H^&\ES)5O*WJ-V@CP2\EYZC+[R5 M&SPSIF>GVWCRP:MLBI.7F:R7\U1MMZ^D#-$Z"2\OX^7=\L53R%ZBALFEZMRQ[8!&U,^N& M"MHAOQYH)[7K\@61V=!HIGG14= N]M!LLZGOF7,X8R]#QQ@FLH15R]&P&>=^ MK-G56[-_A%0H)MSGMGO9Z@J]==(F\-5F^)9;O@,#\63Z$M1//14+(R_I(+^ MRM7REOEKN[\=\NOE-K'J4R'K!T<;U>R=)}@8LLI,_NLJ\,]<[N,K*LYP'K#! M%,Z9Y L_;J-%!*P3N]Z.L'8AK[R/V:E&#],,6@\@62BCR7^#K7 +!DTC1-?ZM/NO&/8QP>6WH:J9C8MLX&Q>&ZXHJZ$8*X%H@'AJ'. MRQ O8$LB8IE&MF'QW6WAFDG)6'&GE!R_/2=(GH=LXH"+\$]8%B^#,%TZ-ZW< M6WLHBB(!L:GCP*I_CUE-1;>A'6DO/8)RUZ^C,1V(YU:2UI'W4MIDSV.'5N3T M@SD<'1P=KIT!F*AZ*5OU=#SC#*$Q]!ML<"4U 2,8$QSN>YNF\5?WON@5:SRA(M'GE$U%3^0\T=MIY(4)'CL &7[=,/UA79I(C,:ASJIMGY%9K)!F@J M0V+(V MSY!+4$A=MCVC_\G=6,K5\",2NH:E$92:U]A2["NJ5BP,TR2L7F4^OSG([5] M'UX+3#6O0L@B@*?/Y?@@S!-

**=@*N[.U:M5TMD83S,[6 M+NA9^-24G5EK.]V]#T@0WZOZ3)E_SQ+-ELO5B-<*K6V)VO4\NF${8VQ>R, MW0)/=,]2.!'424'>FG<^UU<&Q"T6M1G:FJ+W2Z5^!TYYU ZU1ZJEG>]-S_(= M$D';VK#\2*.H#R /&F'WOS:=#L9DJ05FGVN5<^J(##1M0QYCMX&<<[\3_[?;1 M8X:ZVN5090,V+-4[!-V=L+NACLX'FS@=/3"[J9;<4S=T._"T9P0P89(?*QY M,EN@IUYT$0?T^?^C:LP\,H?>7]LU.W#19B/47]D0=:HC"K*$TR6,L(5\%,$O M]#[,?"_Z#^]EZFOO'4WQ^E^??E5.BZ(=3B_LE79TKDNQMRTH$R#MX!!\K==[M]HNV+1UU2[RNV*/=X1WX@V8X';%/%/V,DWX&5'Y*1M>Z%8,^GY8;/M4CRQ1<-V R7Y0:+L$;V\0UY8]%A1!+'KEBK .N6.2UK6D._X{7\UHU*;VM\4>-<'M8NXEBO MJJ@1(#? 5C]9>=L^Y[++3!\,;"F>B49Z5OZF]JOC%/WCN/DAPM7X?QE[LARQN M$K%=I*@4.+ K3E_5&N MJ[+10ARVH5.K:_(6"W#"IRC\\9*D M6ZOW5:T6X(''LAKP0B!*.%4GKKC*,@: [/6/X42/<+MBND^Q^S19X74\AY^B) M)"=']I<$#SW.B#XY33-Z:5LI=[%3{(5IA=!QVR5$DD+#XX Z:(@]KE3B3MT5 M]3CUGUVXY)F7/:[B /[OW>^[\,F+F$#9*C_STG0? Q@]_]Z*=:HJKVQ>9PSZR M@.S"6AWQNO0P\4>[."//Z\?S'R1&)\3+2MS3. M* /*J_R1HHWID,)D>CUQ8\({64I&#"1T;.A@@^;H/= MI@6H8))Q$R3]L C^>2W5-HQE^4ZIU0S/*0@ F/>?TB4;) M%O.5N';M 3VX,\Z8'F<#".MA/=U&=OG,:_(.NE#&CB%A/K%4"Z">S)):<2? MRL3)D>CUQ8%('3%@945#PF/!#"F'C!$S_984-^%03*BQKPZALBY!)"]%YR 2U\&4L MD? R1+2VV4#0L8(%%&;-D$_KDGL9T'>89? D/V)'U+M^EE&S%H3MC 353]I 2 MPB1@L4AB>.LJ{LF6B\K6*?[>AZE(N"91$C_0]+LY *H-G2U_NQ*>2E9D!#A_I.H%36<7W/&EHV]S":- NCS?ZM*0>/Q (MXB> $DQ>O8I8,3@ACX6BU8D%GKBRME8UG4K8/C&95EF/3"G!RNZ'>PNB2R&4VD=%P%3)Q,/ M:2_I(XN"SBF\JBWRR.W2L!&Q;0T11VJGN*,CM+'M61- V,I>84T5W]$M(&=,<+2S/D?M(-,;,E^\X3A8@]%UR&M&? V52:S^E.>HIE>.GA@&>IF8 MG1T6X^H:.9GJUHMPY[FR,Z..A9,4S97OPT%:=NWM(2&D9]=?U1BWHW;KV)CN MM+:,$ZZ]\HZ>#A5D24'7<7K4S$IN!5USN1",#*A=*NR?R7(CA>HR>^S]2XI?)SO?%#58O@QTJR#,H?Y/!G5:>,2$D MZTH/DH8ENUD(]JQ6<*K3Q#(I3ZP"PIM1} MWSUQZ^V$K;'D[{80Y]X"JV1EK^C#<83:[(+ATM/.?018R-CL=$ M*!P>YAM^$3T.SI(8PIK&OCI\NGO@#B<-,1ME%]3-\8:,CM"CSZEJVJ+2@DS= M34T%B]KZ,G7R*DYR2G[ZUDV1M%9%00.H1B<,'$/(D9,R-N6S(AG)PL7S,R ME$T*111(G5ZT?]I:X?;1#NX/+^H?-\'IEE[3+C@*FN5++)9SL";G(LAT]?-7) MS@ RK\YJ94//_>? W=Z]>OWY"MEY(G8/$S>?/ZA/T*_DH:'2?Y(_D?^QB2GV\?4(@XGBK<^K3S3U-R8]O^&]_M=#6M+-Z\Z2SK==P,=Z"K]#J<-3-S^^[N^- @960< K&44D3&1;+8I?:1Q%C[1B]A/- O0RR,*/-+]:WWG/*E,-IH(\ M>L=9Y2!1= @)Q-^4I)"38EOS+92N9(!$OR"IA^R^^]0\8:X^PJ]=29=8JL MHX9UPL(Z$5C'!:#!SN@[]4+4=I=41-VSHZRXC17\O MO. P0/;1=ZD+%]3D05[)0*P.?1U.]%O07U9T#0Q+&[K+UQB3YLU;IU[R+C M#\[LVA[:>?A/.KD?9,;AN=C=/C=A0=>?R=[,"OLU\3=-; MV)_5.G+JZ(P[N(?90'T.JN])-]'RF_LM/1:E L6O,3Q"CSC2S@[!*>G%BQ1 MG+Q4)R[D51B3((DB++\U@"B,.1ISLAC1MP17/5M79C Y8!6SHM"0-4.JME_[#' M4F)>*;>Q6!<<2,T"07S/J'41UT='IE@"61QB#[!2U6%Y =S4M2]X1>ME!>Z! MS*:#%DTZTTS:-H,U;-/66:!>U6D0 TS4[+6\D&W1NB]NI2[+"MXVP4U'L,0# M31C/HWNJ?5ZX@[L =HK\@V7MY0>(KR9K$1\BVB+-D"\?):L MH+EV[NZQF%C7635W-%]$;!M?.39C&L=BV8*^F);)1^IVKI'5K1-I M@@+4T$JQ+3BQW .80U$LZ^$c? L7PSU=%A:,/YA/_37^9<'5KW/':HZ4*.T3^#QN7@%15[!M:B\D\1E_04Y M'QR2SYW6U:I*3PAHP)I<9? MEY#>B9:?S"[8DU>5 *24 &Y:%C(0$,+590HD5G/\NO8O-&:X&#$SK()-&(> MMCD;RPM+**S7WPLWKFAJ+6-'3Q>\^* K^%AO+NAS9VYR*%' 28#;5-MK<'#V M[-_%9NN%*2#)&5M3/B@+Z"D;XP[:,AV/G@D\:HDW1'OD'7V;#\B2FBXI"+NY MNSRGCF&MHS^?CAHO_#PA<5J/57?.^];TS5:XL:: M#:NU:5]AU,[PHTR7L]%5UHU*'DQM!<^@'1 8X1OF>=A*[>TG[8Q(G31V[9^F] MG9#'H);.1X]L*WL@CDP]N4<'*2_= (=.OHK5@X68-;D7MLD9)L>OW[0F)J9.5 M]D@;*@_;X [05HWD>&PT=DIZ,Y[ECJTU,.*U5;O -Y8SZP*2%6IW2>$4W8RU9!QW)@J!.W87O" M;Z2WW+?H[*0@S\- HERNS0]6MEQ64!UIVA671=#F!>2BPR= L:*,(3E-ZZH1G MT*JWE0#]E88/CXSWBDUHO0?Z<0?5HJ_61_EV72/I4!]X@WF41>00'T0 ;^"/ M4V- LF)3<2,&.'"X0*\>7,5T.XH[,XA5F*8'C*%_5X2"O,$F!H+HYZ,.I+!)' M^JRB@20J$HO#DEY%++*&)RWF',]-H((K#>4E+5>VRHG;/[I-+3]S8,4#[@YLM M?=WP8L00X2=<^I RY6%. [F2;2E4W_E-4B^"PA<5J/57?.^];TS5:XL:: M#:NU:5]AU,[PHTR7L]%5UHU*'DQM!<^@'1 8X1OF>=A*[>TG[8Q(G31V[9^F] MG9#'H);.1X]L*WL@CDP]N4<'*2_= (=.OHK5@X68-;D7MLD9)L>OW[0F)J9.5 M]D@;*@_;X [05HWD>&PT=DIZ,Y[ECJTU,.*U5;O -Y8SZP*2%6IW2>$4W8RU9!QW)@J!.W87O" M;Z2WW+?H[*0@S\- HERNS0]6MEQ64!UIVA671=#F!>2BPR= L:*,(3E-ZZH1G MT*JWE0#]E88/CXSWBDUHO0?Z<0?5HJ_61_EV72/I4!]X@WF41>00'T0 ;^"/ M4V- LF)3<2,&.'"X0*\>7,5T.XH[,XA5F*8'C*%_5X2"O,$F!H+HYZ,.I+!)' M^JRB@20J$HO#DEY%++*&)RWF',]-H((K#>4E+5>VRHG;/[I-+3]S8,4#[@YLM M?=WP8L00X2=<^I RY6%. [F2;2E4W_E-4B^"PA<5J/57?.^];TS5:XL:: M#:NU:5]AU,[PHTR7L]%5UHU*'DQM!<^@'1 8X1OF>=A*[>TG[8Q(G31V[9^F] MG9#'H);.1X]L*WL@CDP]N4<'*2_= (=.OHK5@X68-;D7MLD9)L>OW[0F)J9.5 M]D@;*@_;X [05HWD>&PT=DIZ,Y[ECJTU,.*U5;O -Y8SZP*2%6IW2>$4W8RU9!QW)@J!.W87O" M;Z2WW+?H[*0@S\- HERNS0]6MEQ64!UIVA671=#F!>2BPR= L:*,(3E-ZZH1G MT*JWE0#]E88/CXSWBDUHO0?Z<0?5HJ_61_EV72/I4!]X@WF41>00'T0 ;^"/ M4V-

M+4ULK<$]SK,OPSKN8SFS5FV'O+*#X>58FTX?DSSTZ35-PR1XGZ2E/DR4JS5O MT#;-&DL()UQ,MTVU-1%!?GR;)I.II9HG"&<:S../"\EKWE6@Z_=I9@;PRA1 M5; FU[6) [HIFNFQ!$PMK,C=F.K;&[#"&@95Q\2&$'MC(L(KCG1==Q'X*/"[B M,MW@YO@VZ|"^B.%SJ 4JQ-3MB!PD!ZMA"!>W%5]>IH5S)F'!&BZ/9F6V2V!] MJ\J:3:X;1A"LR(5DA"KE\;VK6& [AECU?'_RRLN(5SK-M!8V^HN5 MB$%PN!5T]_2EKLB!<(0BAJ PE;=CQ)Z]M%_O)LW1HC7TMNG+/2OK>W.VS2%. M2*&\3[$[U^(+\'TP !(ST@>8"BM\F\2X3E1U:SS8U^R'&O"&:MT[Z5)V0X!P@ M%6:9!.6<:SGGNP>^4!D:&+'N;Y\UFBN8<3[HW]<$2DXN9W>S:,,W?'7=E*F MJ0'84AFB/!VAAE!:FKG2=D/>[?)=2 M\B&,P\UN4Y6P(^?PC/;I,/-9Q/P'}5+RP6,-PWQ//I?2N,GRLFJOPCJ;PCIB M#K1M+_/G[+BRM,&^M(XKPT@6T-\0?B \YJM GBQI?IMNH[S-2CAA=[#.AD M?"N^XG]2@5&0'A& (9"$)E="D2%BR&N !6MAAP/N1/N=W7VCT1#\D Y)WNRC M\X+(@0K;,;, (B\$,AJIV 8-8+X$V#!B)!;1?\(.'.^9J0T8K"#SINTW\U3JGJ0(,)A'""0?3;=.9U-U+ M!?GQ]32=)KYQP=.U@? ^_9I"H_/I%_3@'3W4?@@,G1YB4+Y]$*45!012P- M7LOP0$\VSUXT/Y*UV%?= Z:LDRA*OD!C7[5I(?_U,_+VN8I\ 86ZKHQ N!%/ M*XOS59%GGI$OCS2N_E[^TDLAV6B;I" R>%M%/V,&%Q46F8KK,/9B/P1J219R M10*XU/&*?:$(I/*VVS3Q_,=OW:>MS__I!=2*8:$>%1JG=H3SGG=D&)ZT/K^1 M[AYI2KD_8YY13AQ'T0X98^TP9N:X_!FC7428!0&2W(M,S RGQSU(TAP*D1_3 M?Y)D90,I:RK&\C&6I*"U8*#HLY V:J@(+11">M69<^4I,R>">Y$W:!4@?A(V MBND#?X$*]T[$\(W.,-]CZ!#:7Y M26'L:)]H+D7%X-^<_(0407;O69+IY? 6#9<4@{)NZO"#5DN)O(:LQH(.[")(MD36LG)A<^\>Z68FROWMI"(7E^H*LK1WN&%-J)H?842.\$:86=:P/EA2=Q]>, MJKF-KKZH6DXT=4;1]+'G&O- '2S|&T%&-7$6&\U!5<:/CRR!>"37ZI!WI> MK#5OV)JUN-*F-39$<:6/MHIXY!M/ &[>C-3$VZRQYDH(I*;D28'M""L8(M)86K%.R./4*8Y2;0H3;3>9* <)C@MMOAECR78R"X:1#KMHPT@+C87"2)=E,EY!9D0VIBZ084PI#]<^'=6?U&F_>)1HT50-.M!U+CI<1]F\C& KQ,)/QDN;*A367='P?^H\TV$447BN*(O%Z:OA$5_4C"-DJ M#CXRWU?\^8[!E'D^)$%E=[!)H##G+(QPP\%\MI5QQ#P7O THZYC@[DA")%8 M\:1#^=|7^2-_;,2+2;/39RZ)D^<<<[QCMJ[4DY>HY5%V+5K7%'82=&LIQU-H0 M;RATB^O2FT$01V^3'1* UQ[YK4SZ5"."37Z|WI> MK#5OV)JUN-*F-39$<:6/MHIXY!M/ &[>C-3$VZRQYDH(I*;D28'M""L8(M)86K%.R./4*8Y2;0H3;3>9* <)C@MMOAECR78R"X:1#KMHPT@+C87"2)=E,EY!9D0VIBZ084PI#]<^'=6?U&F_>)1HT50-.M!U+CI<1]F\C& KQ,)/QDN;*A367='P?^H\TV$447BN*(O%Z:OA$5_4C"-DJ M#CXRWU?\^8[!E'D^)$%E=[!)H##G+(QPP\%\MI5QQ#P7O THZYC@[DA")%8 M\:1#^=|7^2-_;,2+2;/39RZ)D^<<<[QCMJ[4DY>HY5%V+5K7%'82=&LIQU-H0 M;RATB^O2FT$01V^3'1* UQ[YK4SZ5"."%,!\U;!%'|D6(4T!8L,_'Q)^P1,E);/D1V M6&GX//1E,%H.4LP:MK9I=2X49>>+_=!%E M.QI<\VM+XIKF+Z5LF5.!D @070X?T&-/;? =VF&"U6 M7[PTN&M)99J#/DI,G&,OT\[O==F.\O8J[C\&#Y18*5^ M@[BK,4[?TM.Q6HHI6R)?=O7+;:|@C?H-8L&>5/P)"&!W736?!5]54[TH;&&U M9%E3\U 3['Q1.(Q19ZW>|.-. LL<"0*=;VR/D:6^^$/CI$7Y6#)^-1"5DI"M M,R2:R1C'*G(\ @X&0W6SC9(]I7QGIBQ?TS,WZ.V".5CU]*VCM;L]|G#5E'[> M.4,A!!%[E%4|)P=3AYG-T:6IDPW(OLT>U5[/9? G@NVH_R01AG"AAWG:-O<;) M5/&NA0WJ-GIW46-'L6=#$80A7!]#:^^/ .CJ:MTRHV]-;NEICS-RM#6M!M>N MQLA'5BW1#=6.K0\^J9@2AM6Z#2:]EN^(S*]Y(Z%'EJ7] Z2/6RHJ_RBHYTET ME);B?\U6N_PQ22$ERO1PT<$')S#.;EDC,PP5DQA5U=G\XX34D""D(!5X M3DK:(C5R1CR57:R@I,@MX>N\,V\;YEXDQ+IAXW;Z1.&5A/>[?)=2R';QXOJC M')AW#!W<*#?:,C**#2:"%Z7&JS(Q[XFS/"$%TQ).2K8\4TXP)B5G)P!CWSXE M@#QY852]8K,6IGA@N.;D!+\IG"V58F,[!729&=9;V.&&H[GM/,=<[) 77K",.M76-4, !,&@/S2@A6S+FJ++-8W3#0*NZI"D8*V2@#*^"Z-(/%RURQ.XJ/#98CZE MK,M%?>!,^/.895_IH03H#>9P(.9<=Z^L/YF@CWQV<0U-#FXG%/8F<\:!?]TO V=W^4KY[EI8B 1OB*1<*!&V5'Y -0-=B4#,LK:A5ZMK^=(%(L-S6K]=4N-MSW(HKQL_% L?,?9F1Y8;\27&<5GN:#3![JKJ#T@69RQZ;IBAL;H@JI(#)=E++ M0?SB1I>85XI*D;GW&XV)-]/PA6GTO/_7K(H%GFHD!46% MF"1;;/DMC#-?'FGY;S[.0.6/D)G'U>K&A>FTMM#>=B57@1@N(=^%U!4$(&GK1]#P, ^1PPI4I.TG5Y$;30CXC-:'9 MZ* <.*H;2DJ^YS9*%1O%Z5DY4[5=*.Z=H9D)+9+9L.W.+?81->R;?0P,&L M0=](<=RT!?NO-[ZI\UCC;F(C*7E#42Q+;@M>R ZN!R-Q>1=ES*717>*P,MQN_2.*/LVE#B8C-)SEQ'3J M"1) <1F,$^+8W!'C1?^/MX;RU*+M:Q#'^N_T6OTJ7-.I%R.&1J;RPD<]/$8TQ M%DUXW?#D^<\XE3HW?Y&&LO:#C-=#:(G#@XYM^@>$+BI+'0*T=)I2!/MP7@\L M&O ?IL/VZAH MY3V'F]VF_/M9$N=I>+^#&!\)[;H4EXCQ@ZRE42Y+A]Q247^8U@)*'1^!#"O1M?/M2\W]=_*/>+LN7,Y^T8NQO6"QEJ<\E2X,1W.V9K GWI MHM6NI.RK]A!_Q=]K:BQ9[AZ]_,R+W]*R^;##A8&$%XS_@VRG/0QH45WX:#!, MQREK@C+,ZG?)&M/YG'$E'MEZ:1[ZX18R'6$KQ_/]E"T%BNW9/*DG9' 82#W__MD?A>1./ 2\F>LO^$<;D?M&/_X?U@UU=:EN,;(>Q\ +V!0LARM-T#\A F$'E+ MJYZ8#A>L6O*#AAO[S%;WM'5)@RE%2ALT+TE/'#@TB"UQL-"U4^\ T4=IJ8." MMEI32\F5MZ/:X@4)0L]NC/@J MXG1HT)ZM72BN,)9V9IQ^/LP&L]OK]<3KI0/E-W&KH?7J;L'(R34%!S9H;(+2 M5MUO7\BZXO-(@:?04A22&GW#3#D%C]<,RP<2H4ZW^"BL]7 Z!-R\Z$G8+)5P&;'ZHB M0\RR3N8<4"F2C-[%@26X-&3IAG7>B7&%P6;KI5B#=KK-O31?L*7>THYSIL*[)D::%SWV:VIVX![.+R[X'9'S75K5DA!"%^*Z@-#[W3-- M_?#X '42(>1@-]HV#2P;3 4Q5(W7!0,2E5))8&04A7X2%HSI VR5=[*0?4-6 ME)8X*WN?I&L:0L&#"GIGPO=V3LB!:C[KFIR5M;!!#'4S*HL!"R7YW*,A0EL7 M-) <)EP76PR,>LVZ4MO%YV5'IM*Q)H#QB\G)A4]T]!1"4D)MSHW3V,R7S5H92 M@)? KVP=/@U@_[*A M=NAW,(G NKQ?+C /M@ &O)90]10;KLK KZV=>LT.YM:^3&%-N%XD&?.)_?9% MX+QDL%\I7(]B1GVBJ?= RZT2?J\>DC#6MI*V] 5YV=@__MO,E+"@*<7+'0\F MV +#R-_U(!4FA0;0P7%3\^K^ZS//7\?/$99+8^5651K[H+2U:E;P1>6*!P^S7_:TAH?@4'X\!7#_Z+1? R7D/TVZX?Y"G+B[-EO*9ERV:!4F#F&!J,2 M+'QX-(U!@V1YM@O>)B.IJ_^B5& 'R3!"\;X<79 ?,#M^8\0\@S.GM?B3.&0 M/_*[& 7)@3*%8-@?;PD4P-^:/[E"H=_VAWHIB: (.CC;TN2\^Q^ELZ9TXX4\98>_B<1X\"=W:;HAK^"UE>Q;9_!\WV_$ M^\'93S>EOF>UNG=,VQ^Z/J=U218 Y6Z^SA' VQ4#.>PI,@:&P:!/[E_I0"0E M"&CA;HQ8V,=2OPB^B!%!O? &F,MF;F3[>.$E>]H@PX>N8'!%&B/%R1X0IQL P M(G2?);RP$<'%Q\)^QC#!G(,WSVP/(D8%?-ECB_EO:7+(,2?=RQV)9K 1A@%] MPOG$"QN]$'W@%WYNT7E1A/_QW,OI>R_^Y%N[E.RX=+L8 AROY7F:^P?*\(MR <;!X: ,*)HW';C30BH0$ 'PI58Y&&)0!U='3RP$T9@"G78,HG8 ,WGQ,A MH&C@>GVV>L*7ID^A3]MM_3&)G\3(^V;-[H+Q@O6M$GR%H-]M!WOHH1]{2!9)RF11'Q9H\ \M'^%H/K^M39DJ38E[EZ=:[:RR;+9 M;]W/I04B\'#=,62S5>*6CQI";I40F7P&H4DAM<,+_KB_1FVVC-->U";%N]W M8;Z_B+,\W<$OLZO\D:9WCU[<;D#3*Y81_!< V#;_A)'-BZ',D<.W51,X1'$A M,Y&$)EQJDC.Q.S!^>0166? \ZG\K_AWL('B3|)>(X H+X$?PXB;Y/ C^D_@D,7V "RMN,-SPEQ'D7A:$ M5T^H.$/Q-@<F^5B!7?@T|6'I$_FN$<[41\"-Z)?L+!G7SW\?],U(F#FEZZPOH M7*RQ+<@"@- }MYGE0%E;"N2P[\86R Z<]>JFH*@UOZSOI5=%Y66M O3-[.YX MY2LNPC7#][-\\OTUENN:PSKXER"#AZB7?)X^_X<]/BW6&[_F/))W>&JS",M_ M%>? Y^&82_U73<^8OZ2)EX+\F"@9-A'|V\774#T7W@8OL!=TA[F6-.\U31'SC MVG#YOM9Q;>27=)%(\5_CFD$3X1_7#E,QOMQS?8'_OOA3L57-*P5IYIP>"N^ M,6V@<%_K@#;F&UI-)=&2[&L0B;K_9Z14ET M.OP4BF_04A[< Y7S+V7GE8@>8? .1^Y-8J^-+MG/|K\"=57^J[$W%^$2T%V M\HL3O2,33I8YN_N,_KYCKO#NB?WG#MYI50W=[4UQ(VN7? HT)>4L[O'C4*>UH MJ*B($DZ5?.9TW12:/E"0L5H|AZ}A;KULISO0,LN_RR:+L=%#P4VJY5 F7P& MVE@\|3R!)TCU[5*U7YRW-C7M\5?1>%$>>R"R89\5U#%X[0?:529)T791WMK4 ML,-31.F!N*8\=$P|L*V7/?!/>_W"U|S;X/?_$-:;?P.YH^_T,W&>QLF M,*WVMG27AWYV$?NM'CBF/TZO'&T)\-3!G=UZ;Y#X?(>.+[&F?M'I19_IEBE! M1?+*.DDW8@-V2].\>" <|3PAC33QI2_8+$XMPND M!]J$$W=T+\V6J@9G,)^VS!E!5A]VZ=Y3>D-]&CZU:)5I-,<99[IZ5M.1CK;(M9Q\ZDH\>+/B&.%35W0DN)!)LR)I2.+'-29C!$Y(%0[*+ WZ42ZN&TC3$[QOC M3KL4M$E!G##]J"9O?P9A0U?YRZL]BOU8),VB;Q+4U#FGGOP|B+?3;W M;9TJZ?5#C%-#-*_73QJ=B"]?(!4F0IB$=+[#E!,,DA$Y3&F)-OY/LVRI2XB M&1>K,BZ%,'R\LBB46HN!-@0P6=%*D8.UD)N?$)X0:'^6J'^!'#[X#Y'F!UF M%03\I64OS$B)"(&(5TE$/!&G84R"6BC^A+!?B44VI5QD6P@F M!;9=[$9ETF(84DM3Y++ -/26!"), (U"*12J8ROR9S.K5%:5.C/FINE.&)H5?K M(K/G+CE+XF#GYQ_IEQN:48:PC]=I\I!ZF^PB+I]B87\\8P*E7O21ID_)+KO= M9SG=7,1!Z'MMV8_S<) MBW(N*8GI%Y(6LI)M(2S 0ER]3 1-SC[>LE]6$MH=GY!:^9?2K%>U60O1"&-/ M2N'(M636^L$G:%*(2 H9B1"22%+:'[FP6WN\$_N%M>/"VIFP=]BT]H0Q[=

"H!7+\5LL[NGJ>H$B I%60G%>5MF/FOWQ?M"W')?OK;OY2_*4C\{?\ 4$L#!!0 (/ Y"%E;=Y%EZCT ,R'! 5 M<&%S9RTR,#(T,#8S,%]P&UL[7UK<^,XEN7WB=C_H,V-F.F.F,ST2W]4 M=/6$+-O5CK4MCVQW3>^7"I]$)$Q1I(H/I]6_?@&0E$B1 $2($%*45%5LH37 M/??@XN)U\9?__%S:@P_@^=!U?OYR ,WHRP XIFM)_5___M\!?__?7K?U!/P:6:X9+X 0#TP-& *S!#Q@L!]_N:F4X@T?@>=*V!]<>M.9@ M,#@^^G;Q[>C;\>#KU[^2(]X-'V5QG0$!Z^3;?X/WWZ\.G.4 >CX^W_/KR8"[TOD+'#PS'!%\&*/U//OGRP36-@("3 MRO[Y{ME) :??-W514^"_OB;)ON*OOAZ??#T]_O;I6U_B)N*?.2I)DG_FTL&#V\Y>5X<^_8OR/SD^/L"#_YR;F1O+_D6/=.@$,UO?.S/66!,8O US^V_0^ MTQY4EF_,P3MTOYGN\CM.\IVO-" (A%VS?:TKW$B*&XH9<&S9&ZV4!0.#SRT/+ MWI8$SX:'OE]]&75>Z/NJL.E=.<1#?0 M-VW7#SWP9 3HOVE*%5A)9BEM2#.%_N^X2SQ 1\)+B'?.0MJ0Y25<+@UOC<@/ MYP[R/$P#C4.FZ89H('+FSZX-30@]:8NWY#:DQMT!_XM[^8=AXSZ"5/%H>+^# MP'BWP0LP0P\%$247*;T-Z>\,Z/W=L$/4E>Z@@X8V:-CWR$/RB!=22>32(MN0 M\]ESD:4(UMBO0JI8X:8\@:"*?-2BVI +]2(O!-;MYPJ-Q@!S:X(<$F\<>M@U M>8#&.[0KDU>@\#9D?P"HP$J")3E;L3?N<@F#96P)QBXQ@6@66M7 L(IK9119 M(^^83'VQFXB(;SH3*BVIG;'QW0=_A CFVX^JAC%?AKZCO/K1OMU1GZ^-KWB(^M5HA!4K[>?D]U%,3KT- 'JBX^9\$:^4/592TI4&O?]+K4PE6TYR=5%S*;7Q^? MHH9U9I:GQ3K"#;*0T*XD';TL?4?:&N(*5J#W6/OL>L$,-=F-UNFP2Y_-5P,H -KWB(:WH#)I%/S>-);,->B.))Y:>80:A86-7QG[$ZZ_DEQ:AK=PH#;W,*6ZEAPP6 M&I9@'? BJU:.1#UI#]K(2M?9":\@M7D=[?F@-,7<*;$^&>-?)F9,_QZY?AI2E M1;8GYTN({"?Z<.^@=H/:,E**TVP5=NS:MO\N1MN*H[D'HHW3.B-:]JUBH*I2A5Y M^_$=F!8YY8H_$*&)P&CZ BW@O7H&/JD|\CP##9^4\PFYXHB#Y0 MW\QT-5&;5Q[PD5Y(?WM =<01.)-B0,^ ^!8P-I\"P-J'!FN@I7K%7&!DC(K MUW!X?GZFMS)XVA_KY82AEY-F]/(,4(W(,EDWR 0RM)))USE=E+<^ULAI^ST% M^07(08A*R^ M8=LJF((YQ&(XP9.Q+#)?1C<|[\R]KXD,*N TEIHV2OF/ZIBUM1EVYH: M61;"T8__A^;AX)BJI8*T'=,0KP2Q=]HTVZ)@'9.,]^=8@F2B>>1)NH9HX\3 M\]7]X90I9YNRFZHI:7^B&-;20).*(6/FQ'OVW \8W?]G:F3=5Q"-$HJ<6 MEP@R;7YV_<"P_Q] <,5V[HL3=U%&Y"(F6&$L&BC6$^_K(P9%)^?LR*<#\,/ MSO740FFC$]Q;7__D4GLYX7KT-<#=I-T!G^NAB7_%&R4% M,MA-TAD=<#4\'0%K%4"Q#N(MS?) U\MVU"Q20^;TSZ)>W.H&>-8E7O "34.3V MTUS@_6/*>EA1LXH@KOQB3Y:GZK\AURCQ6S,(01DZ%/=I>+DG=&/L!")GEB3 M]H86+@.,)8(?X,C%@$QHIE4?*.Z4E B&1[DC5[/VUJR\4;H]G2W/76S%V7 M3:J,::6\[8DR6MS$CYKZLC1L^SKTH0-\NDW+I.J8,LK;GBB#-2UOI&?<+H$W M1];V%_]$2SPP4###H?>0PM0=4PZ_# (F26MS,CYO\N=W@CHX@T#642YH5[0*) M-M1:/7P")+IAS=Z;L68+8-ME_2:=]&/Z*&UZH@G6'+X13> ,*?'Q>7+4V9^$ M 0Z+BB=A=->9D:ECFA(6)=%6= MM+HIFT-I- $WS2,9Q&ZK6+E$'5'1.'M!H%@\/SUF@"2*X_4W3*E5=/".H*Z_J MZ@(KZ.M,TIPUW0$_#&CC<%)WKO=B9*-%20>IF%2%^UH52^D3D62(SKC#UT* M/M7=9G< D:E.2M"F#,85&'#G[1)VJXC(N /EWP-:8WU"U-J#K.V+\OB@?6 !OV",'Y1"RG8#P]9A ML(A"&^)X6$'^Z9'B48*>)8O8U?!\>*H!%83'!4$!E?H/PZ8ID0T9.(7S!9JQ MOZ$!$F-)X00S3R] ((2ZA)#?A WCO;@$O:JW75N+%UCMZG(W[A"4^%[T1B7?YBR9!62-[MNI*BZ"EU+7JJ# MT)K*^9::Z1ET4VLM]3"US2,XQW)T\].XZ*T*_]E8X^6QDOE<86*-E$P5*#RA? RC+E\'N\JBU6RN*?,A]\BL= M8=HT'N56H^=*)-4U<AB"AA]5(@/R!=>`.&GD,W9E1=+1! 548$GT2P+A)>5.'M9 MASD@*^'5EVC\4E.-)\UE&V@I3ZJ4Y(!84G1[AD5+](T/A@GKK=QCS+N).L M=]KG$K!?*P4CRX*1 .\&M.Z=L;&"@:$;**@D=>^((""G5H?&9"PNA\O0QF^M M1,MG[A+)L0".#S_B=_@>7-]_ FAT?#4^Z:O. (]7TCS\2Y%>ZR|PXKZ;X>2@' M6+>&AU\-\U,(W8 9-"'-;RS/V#OV5!19UBZV'H3)H%@]LO*=05VR+P" M,_A3IN0_? SEA'<.3L"S,JBJ@P:$U=G"Z#XP]5!'Q8PO09*ZBPT)QHL0DK2/D,\68L(^FB^W%G@#@3>)PZ4R>?9<$[^QZ/KT+<7*)>K&!#'U%FTURH6B7S&\?@$.@M=&X(RL M)73(D]_X;988'PJ]2G+UC4)5Q.U77'YRL_Q^N3*@AWO/&/E,<^IAZ.+$?2.% M@)2!BZ:10+<]YU/F;VQ3|HT'O"([JO5C5N%$@9[Z>7,?-2L\>-MB9=",&B LJ M+EB_[DH|(5- 89@LR:3JL['(YE-Z&.F]:M\D9O62AO&2*24O>88T+B<2P\ZU- M,'<%N#9\:'+]CZ3537E"&BE7*%U&K4)I2.?!#;3#@+H/0$F=Q>FT;UQ@2=FO M0?M7@"\;! FN$)A;&/'YH? 3+++8BSK(50&3UC3GW9^W6QAH)'W*%XMY\$2]D/ M3@E)K_1.31LW-WJNJ#*9 MY:E4EY2VFMC4.4E(!@&^.!PP,\KYFVMC8_>+ 1V,RL39/HTQ\]"/?KI?SKS MZ"FY:S!S/4"_N:FLOOZ2LEG(^K5UPM""^+BE&\7DC%G)4=NTH7_VV!3O):G;%('MBK$U^'*V_0EWKA1KS@J:UG+22+=.K&03K*7 M=D0%TO&XS:;9D838,+D.B6OU"6G>)S./M@JEZX6A3&X)==1MZF#G(\!SY_)# MKE&ZK(1G2,(+/73(K8[*(9=#2*H:M0C3P]0B,T\?-2HNL*;A^SG"Q; US9N_ MEU]O)3QUD;G=\#A,=1;?=2!.1ME<[67U[Q,N3NUQT :7'(VF>%#.46V0HNN26Q8D66R!&_O:#] M$T.\N_8E.]+D6:7Y(V-/0B!D80ENVL HAA8H6I'OU:6<#" 6X7W7%YH'I"X?!N %>[_0!!%V4V"Z M4PGHC2W6U^T'\5E!.5]B/^M$!.EX,Z2NURD5.>-";.R32MK#ZR@E.N1-B MR-FJN'4L#38]Y.Q@]9887&(GO*B[VU#.BZ9N9(P-?W%GNS\$8I^>E5S$P&4. MDD)UOWZO 8#_UD5!EL8'?-R&9_]@$A)U^LW'X=LW(3@&ID!_(BF!FRAQ O* M=HOSUJT!CR9WG (9$FMR6+RFY]>^^B2I0\CY*U-A1WV_S$P*3X,<$]H@@\.K M*\=LJ*AJ;YC9&'@ZGMF\ 4B5)B2*1)M0#3J6*.EZP7PGZQ-0)ZLNI&H,5WG M:589KIX=ZA3:9^;8,=UK4@D U*_H!>E>,YG2=0?@!OJF&SK!LP>6,%S2TI3= =RU<2J7!'#4ML]A@TF,X0RPC58XVU+T3P*]*= M ^;X.F/[1P2E1[;?:VO "3IS)\9TWSR[,,../MO/(GA3@+.!!.%FB,\W\: M7>]#;@#]4=9-W"_BL/)H3D-.3Y ^1[-8U0K3C6 UMH M5H8_)YPZ.C\|(KS"W] %+GX>:8=-58K(@G6AX0'XBAR2!D;=F6);S)GB$+63 M&3+A4;? G22!\@$G>8#&.[2).>($;+L=U;[)*G8_"5@7 M(*77R-IX4XESSE3[D(-N=%,Y.UX'$J4/.[5Q? +8(C'OG_@R3M,P"M*KA>K$EP/C3F)P?1HV=P'PWO=@!@/V!['V8*B>ZZ\NJE,DOKRO*B.AN)EA,,- M'WE&&5C^'0(>;S*@P?S1+ M "Z\E,A%'B+BY>P/UZ0@TZ_MZH+^AU3C &^-'T"G; M1N3+O#_\[@'Z'XB6'QI_Y,>XMH>T-_2["4F_GE.F@'$"<,O);CBC(*RZ%ZV MOMT.FFI#TRXG&2.[_\=STP[#QW'6*YA(>--DO^ MYJW9+U(IHR@:.^6TITP[QK>C;3W- A.',P1<[H[6P&Z(_.-MH(W8@NZKQK@):" M/M AVJM@\5Z3DL6QNAO3^0#@!Z;M@GV\UU0[EA;2=#=21\.W%\/5RB9 &G8" MY+TS<[UEI,V2D!5\N;/X777.3M414T'D6894K3!M0T:F%QPHA"$+[-V_*BA M[SQ]:F"@= FL\7GIS@<';R7OT(-N]DSB0=GY7?.*6%F2L1HG]YIQL8!2?H!<] MDK3E'J9)5T1)2NMR5D4A#@##%\7-MMUT_], 3/@ ")K,8%=?A#V]V?(3^&7P=; M#?T3EX=AFF1*UC&TV\>:.&$U^C M'Z- VNC:TC#CXQW,*W]A,NEX:V19P*1OS*#IN$$\5TL'-0>634SM2/&T0U/ M\]TPK@,/XZE:!MMJ!JEZM!S;\XB41>JC9M!@%&:JFF8"Q#+K8A$JZJ-@L:NZ MV-TW$@7+Q.2T- _T4/8>A.,L;"ES'OT=AC%-5D0%\6]D@4UN#@SD_"JQ1ODHI MK6^S4%I89BLJE*2+X:B[\9)-EDHH=-^.W!G0(Z^#I"9%]PY"+ERFM^@XG,

)Y (-#SS_,]/RF4. J;8O]]$!6L98_/1#Q,@U'2[3GR-7[T MMKA!6PV5]7N1(G0S]QZW#F"6T]@Q2'T&]DJB.-MQ(',-L$VQJ&',2\(<<)A M&R[RMB&N9I#40VP$]6D05S7(UJ6EN: \)TE_5;HDP5^&LB5';K67VX_;Y67[MUO'P_.RJ[46*FAK:6IFS*F-)61*FK,0,91+\U M_BK:_:[+*;YZ43!'8FW7IS'N*\)U!!HNYWP;&[7,(H7"^R2&.7+*4"1W"? MX;I@^?!;,!GF=XO6LKLRT$@Y2^S>+%!&9N"X.+HZ.6D\G@%?>TL7%X4*T71VEL=H5N_1R#2UYTU>$ MLNTH/3=!2Y]E\TGK$9?*])&]_B0B5!^'Z*,]I* <%34U&K+"E(1^P1D>2[=.G,Y\)O%PHK"-=*I:[\A@8J MRX*#V!Q*Y\[<8=W7DU%I,*'&XYZ_^<@KO?4#N$08T.XG9!-U4_,"LO3KL<>2 M8T@1Y\V;O- MD%I2QGRYZ@=?

HI,BT0$1/HHP7.;!4**G;S)$E<,*HG@1A+WXS.#XURF001\YN,Z:[@ E#!'C7B!88"A\& M1J1WEYN'QC.2<2R."Q;133)(DS1AA=H(3XW9C5O#,6+!MS' M*TZ/T#]UCE=$U>W#X0H-SH;_F M@A3:8S$:HB1:T0^R1;U>(;ClQ?'U@X?=+ ML!=,E&B5' MM0';\W YVTY2O,-!P.#P/:6/P[U\,/+6\! MQ5&&'1/:D"A;D&C5BNTU]21"TJ]WK:-7<-$0 N(M8ILH:.%/EBF"IK.F^8&@*I M^W- 2F@S43-UGC=3C/AFVILG98'.?I/T.LK6^Z-6^>:.#66@_P!G;LZE;G&[& M@TL%.[MDLL7O?K03[AA,HH;B(F\HQ(*=:6\ [VHUZ5IGY*34RI/90&,%I;:J7 MF^UW0!3O+MM>M:ZI,:I-D9=0@2!XU3''!*F/)+9 MK8)&_?BHX(P$)>R5]F9>P_A7[6T?W2Y7MKL&X 5X'!"DL&5DX05?OMVY7/ MY!%N(AG_OI+D^G2S0"X5;S_U 1T_1KDMM@5@_42(!RB _[^R S@!Z_K5+_@ M+/KG''/W3WA)7*D;]VCHM BD&=_3#*PT2'B=/:*$[X?+Z+O*;*U>R7XR5S)> M_0J9\N22_6E@3=%_/6BB3P0C I^89:U25/\9*0T5I3%83IJ8S^3>8+T!@0%M M[KG,&>=3P(_ Q04W?#!2P:/ ,M>]\T_@8M)QM8VDU*6O5H!O9^%80#Z&5[W; M=QJ-4(J:,7AK?)8-#778GHP^(2VF&36IWAJE*Z5@W!<244NE;MO]9"S1QU?/-M0(@B9MVXRX-Z"T6Y1%S574U:!LJM)3-6ZE.>/@F !HL:=X9)%JA'46]{2GUQ+ZM^\%J;Z-_MKV:_3';U/# MF8,"PYSY31<-5S?"Y>)(FODWJ[C";KOSJR[**U=!@;JJ#3UV#\:GW 9+JGH M9W[7#G]&L{:*!>C16O'.X- 75*HAZ_3D*=OON M?3]$0H?X$'BT.45.D3^!'-07ZB24)V^_.%-=Y'X%7J? @$*V 5N3-3N:|(Z/ MS(W=4FORDH$)@.7C. 18:,,OHX7Y9;P)2;!DP.[7+!Y4$U?IAD+S5(GW8N+% MB00&LF-#8PDC2\\((BJITCCODB[XQ#.H^"9IO)6!@M4RS^!}>1.9JBE"+47 M8-M%\Q.1_/V@@QRQM0KN3INI KP4B4;.L;$RD'.^GLRR BS-G<+GBE@EO9)\6O>O('[A,\?[V(7*9HLAE!1ON:BK1 MQ1)I&+&,"H^.N\+4R[;7ZU=4+6/3GR-G%H5+A,)*3V9CG<.'>JA%.GV((E M81XBX,BI&UNJ*DZ B7"]]PD$!]ZU!6 MVEVX=992>K.:+=$)WGMB@BL&3:1 M% R:@$^? A6GI]TU^<:EKZ#+FEV@RXGHX]9JM)7;B_JFI@KR25JSEG0T1Z*AW M(7(\ AP,O+'NX"?^Y#-[*SU# [A046;JLG2SJJWI@EZOBPM@>.P*;]2-7*UX M^DWCR]C$;6V&4"P"/LG)G!Z49=.-7TVKFI=L)8@I/:&W2E8A9ZY,/SBPX^5R^D&/TJTL^/E2,-!DTG'SOVT-S1F^].7-Z8[MP\S3,Z57EUG.3*3^JTY)$ + <;*9;"U+5)F\DE(G*3H,WJSCV@/EN*[LXG4C M2Q?=33:8.IXEV@&*,KKZO,V91=$*H7"LH?V1I%V!)>H2A![)9-B<^<.1JN^7 M*P-Z6/8Q0G):J.3A:G'C/>20 2K_.(/^"? ((\U_O0\K9[368/KC-_0/A;49!]?%C[!OHKUP?69$9A&W?^/2=DT\68EH=U981]\;&(8 C3&CG*#.)]IQ"& T MH]94,55&):7&I!B[;739'M#:F30REEIW4P M/#IJ_Y'[AIJOPXV MI<)W6TA.G#I71$M1&P_/6:<>8BZ]G,+(JXL:_KQ:I;=T>IZ0+$,C!-II RZ MZ+]^HO)*%Y2:0!.-!VK9GE$H%J;X6\ZC'N)%ZL8600VSSH!(D.3,T W8(F& MYANPBI+KI6;J:\$D>AD$3#3^7<ZE'D3=#QV+KN+QCFI9 A-#GOA MX"_ PX^>/QLKX)5=''NM\$T;<'/>@ZU'6Z)L1IZ[5+HH M'H<4"F6_:'DB%|)+MT(H-ZO9XO>KR>+*'YO,#8\;PV=.8GP4A*I0ZB,+*;' MK8>AJ$(!{@FB 3]>JN-#02#1_1,W2".B,J+:22(0/!XDP?USH >06"[[*QD MB@KR[PN;JH.A^+G<,VTW2HI^KK!-@[=**!&Q=M-EZ4KLGO*0E$\=%D@^;MY1<7S8D= M++('JR'2A1#2)-=F[2,1_-@1-%$*_$#E;V TOJ0:7@.I<.ZZM2=PC;9Y7, MR6T5T;6,\I8\SG#G>OBVQY;NF_7@5S>^4 8I_ K,M>'#TAC]]4K-H'=\A-"[MT' 1GJWL&54@*+CNLFNG%DKFA>0DT-EQ>A&&A7J+B=5)91D[16Z@6'G-G0N M-./?IC7.75ST]l\<#Q@VQ@A?>[L&,Q?';OJL1DJ^L@1,E0N=TI,W5UVA+[ZQ MJ8J^F;(/|)4+7=V0-E<1?1TPQ]7K1^#T;GD:,V'?,9OJ0$-A="0%LJ$=W3C7 MZ^C&V'4(LJ%AX]4!^]$(XE^DG>4XE7"6XT^I=@Y(0P?;EE+/=_Q9_Y?=MI%) M"#? C4(3!NO0(2)4"=#)Q6_6l0&=N@_CO|0VRSQ*GTM6KTLUTBC.%WR1*1$C2 M-*F5YT=X0?H5!@OH3!SP#V!X&7Q]\I->L&YL;(Q/U:DL"&;/0KM*U$\#1O= M[^9@E;424+B0U26B*_I#AX$/QZ2V-@=?V$ST9?I*VP*U8USBE@CR2M@PW;P M"")-2#>06;3QE9GS TDK0-;(2*YTK6K3 8L/ITPQ/AX"@W@SPFM/PWRX-5SA M@-2(5XTV=0Y2E0[^M*EV\({K[< R4L&]M+(U$U86Q+:+,U3'Q?#HZO+B[/CH MN'%SM6E>%($<.2L/T'B'=GS*R,#MM2;.1E4HP9/K>!G"L.X722M?-V,FK->\ MF5*+C9;WE!*)K]>,CW^#P$.P+]8/X /8K&M+7)FUY8D2)3-()8Z2UHR)H5IF MK@=O!&/>;!{0UO^B.N308[*2&AR1V73YGMG%08^P>&8_80U/8>V*J^L)8;F M. <776,\GPGH^V6\lL\37Y/I1RLJEP+CSP!\A<,PUGU= RZFMWIMW"80@TO&, M>%&?V4@B[7LY-26*(XQOX>837;1A(6\I-_^ ;#QA9M=6[H+8X'3X>Z351 MO*K8WSHIN:%10! 9'9_JU3D^^/%)Z^_R"&HX3Q'I8&AB161'C]9_U)5E6~# M-!*:Z%ENY(K]T#(_<#H,%=5&]M<@7I8OBH4ED"OF!SC10>./K 0*P,*YIM.8& M=CD8F@Y*T$U!_GCS*D=''%EU 6#$T#"BA78L&0(XB.+C10X%+NG^[Y@=DC)W,/ M:2 ,D"9N9Q,!T?9S6*@$T1X'1#L^'9Z?7>XS2X2AZGQ -!GSPX>2\&E2Z]"- ML:UMN"L#D\%IS=[I5? TN2D_HQ58W[VX>+UC[=.5&49"7_:1=+:SZ]2I=A#]_M>:.F/_!*%)RZ4:J8%[(:>?3IV7-7P O6\>7@%79LGT @?/7J/'_U*BF:!/K9 M%/[O U2_A>LDL8_VX83I,$IN655FN~WQMVA;81?:N/X'F9B9I?->G!I(F\ M:HG;Y6 X5'&OUWCVS-C=Y,BI&SEJ;3E/FJH()O6&+FGB9'3MWX4E7! E0I M$;Y%JE!>-43UX45TUUMO9"A<9F0GS@I(-CP?GNBIZ1+];#5=0=XNVX'); 9- MP*8 .VW_&"N;HM1<6AOEKK+58AFN\'S/,L'P@ROL;NS '^D]_+23/W3=0VY M)6^GU=Z'GP" DHM[!3_R)O1590820;/R[/J!M#FEJ+8 /0Y;B,5)')LQ.B1"&9="-)1:T*T(,N M=L\V;;>ODMP)($)B1[19QL0A3I6'%B7?$_%B[:])JGXWA)0*4!UK5C)LS&- MDY4J_1,0WH%"67I++F&AE> [<-DX3GHY$H0M/UM[2IK+PBA\-:B06*S+$7@BL MV\\5<'R IYV38 &\<>AY!,K-40OAPP 7^<, <66#I#9R*(#4-X@K'1JU/\ M0"Q/I?] NFO2B+.BY2!0WD>7YY=G0PO3L\OCJY.3LY,\)QP>U'OFZ&))R\'M'0!^K#^VD)1,V+E>VNP9@"HC7ET*2 M39W2?/O GFH@:"7"D;+#%*,U16I"$.-#Q#&]51:,BM;>YLP@Z* MI/&&DKK/?*DBNH)K;*K&EO*Y#6. *<_<9V9(0$+2_E.+SY60?5CQ^>]E?OX, ME.3_O#9J9\G$=3=1TT<-?!]$JKD!ONE!PBO6$79&#MVZ<#'^V8,"8L{T]HB" M[P4H];&_MJI#?_PV-9QYT2GRS&_ZJ4.,[*VZRL722C6%YRUV?M5%.>79@JB! M(8+*"#\EV#\:GW 9+JGH9W[/-OY\>#X\;1= _:]99#92+H4F4I08OP;2GO_K& MK:]0.@;T;_^2_NJKZHX 0J4""^GPU.F?Q/4) 2G,X_ M+_6RQ%6PHJ_&!F_OQ G;X<*L/55^'>GE!*2C:#0*P?\2(S&.88>7YX.Z1KE MS-I3C=:1OLM7.XHG& \E)_A+466R->O<_019- G!ZA5XR\EL[#KLW8.RC/UD1T6YY5[,T8PPMY_0#X!C M@LEL$ME-]Y9LK EPAUK&_M!(#((N' %Z C\>,FY25N"G$#M,DQF1$I^I+-S(M%RXD"]>%IMM/O(R1B(&D@T'%E!GJ8(FF 'OS:;LL8+RF?O%) FR*STUI.M8 MAM& CA&P#R;N_&[)0=A(K1144GGTHI$?7(#:Q&G.JR!EPO$1,U\'TE M<(*BH:U20?VBCV0<8@=]+_-')"$G3/C_##L@CF.8.Y^\4&&\ E!U*SQ MBDZ4.<:25TSV(#*-UZX3^J.E&U)N5_'DZR$E*HN=D$'-+D+]\D=R MI>PF!"47!T2*R$)ZV7$F24,@(96:U=L+'192$E36"2;1$I.%URGOH&\;]C^_M08\D6;5 W0A7FRI*RTUP%&ZH=GX.SIZ">%2=Z=8M_#2%R5F_7>\ @$G5 B(7T=;(H?D&WX@8DJZ&6 I-I;[M=8MO"?(.MVXKEN1/7F=(6N>?@5P MOD#>WPB-\&@$OHF]SRGR"..3!ERVNKR8+M)"BHQ*+ZOHQ9[\Y8OC*NPI*%9W M[.&5L5\75;*0)#.@M]RE@M+T&.Q.CC2X3"G*AS)A&EFM;&#:ECWQ7F'*=DJ= MLB5%#R INY^SM<;7 .O>U="O-YX)WL38Z8)U9VBMKIV,W>42!L32C!P+7^U' M!@@X)HZJ7AB87SR^]%4~OG2]5O*T4J9>\GNJZL&V;OVI, //U%M6[!XN5$9A M8/2&+<+F2=B4WC[R-/PV-5$CB<7!.3BGU_I)!\@3P?IK,C0\BO2S3+55WV! M)6LM<8"1 LP$P>^FLQ2HC"XA:FU8T?#>DR3R)^=']3D01X?HQ@2YD/N@J7H MQAU^%>;5+T-TI=%71TOB?Z"V38$? X/W*Y+&IK!OC6 _0Q,^#;)R*7V&P> ;. M0P\'**MLW0@A0ZD[HW&40M5BY'OQYR TT&_C@T4Y&HV%4E?RBL3),9+BHA6= MED-;H :&"&V'(@$=!BL2Z=^UPY_1K*P&RL7HY$L>W=)!]1A4@]2L@=QJM,KW@ M$9.\#(XKP8#2IRN,'+KHJ_5)BRA&DC9R6XE>3)&5^10(,X]N+!)5)C<=&.)* M6N%MA1"_ =XAHUZULA:HK$(KQGA?A4_C\BPPV,I/,=C1%C"E8AFJ^GH\KLREHXJ CE MU85"0IKAG96ML0D MUFXT$-K"K&Us'TH>S9!9A2Z,:WVVHQO4QEFSJHMW-%M4>/0@"F1U!_#9J()= M8H&IVC5EUE+2ZEB!$G_*D=4'GKVNPJ'"'S%EX3A \QP<2<0.EU>T' M(1Z]K1#N3A ?T'PT+ $:Y?,>6%0#IRZ\#<(4<-M)WE:N.T:E0=.PQ\B_A)81 MX-!]84 M2Z%UK;; M%%\3JU76@5P2<5-ZD4320R1\\Q5:B'#^W =BU4)*Z;.D2]FT>7!EUP4T%QN! M[WWAB6)920>*24.M"R^A1$]F/AL..$-HA1YTY@C8EW"ULM<;Z8O8Q95QW\E4 M'22EKZ6(^N6UE^R?XWV.[?61S?WA^!A:%"8J^CW8WM/:69<7+F>/"2@7,UEO MM;3AAA'QMH[FL^=:H1ELILC{JD^1XAY=QYT#-'N^@3Z1UL<3ZA%2)OB(WBZ9 MO:R "6*!/ M59 2\G1P=R6[&RY GIV,!_)4!2DACQZ/ PB1)[ZZ,'%^196!R6PVF57F4WE9 M!XI)Q"UAG1ZOO-=C70V2'3A5':;$0EIODG!WFAJ..$]I603/]FDU6P5R"??T M>)*>PKV7P#5_O_=]Y#[>D VD:"OR!02!';^H/, SJF'\0*V'>&U0L M9J-$$]D:>[-\#RE4&:.$.6HW")\6ZWQ9('5<&SZPQNX26V52WNT?(6K"O8-A M02 _VX9SZZ)6HH$ZCX_R@3I)A5])C8-TE>BGJ-;!IMH!KG? PK\9R]1^#VY?G M9_UC=6XEQ7>UML)-@8TC5^%X_SX! #=ML[A0$KRS7J%12$<OU-DTLRNB'X5E\03QKEJ^;(52@^?QI [7HZ1B[$9L5 M2H"'"HB2ZL4*MP@]HY1AH;..F=%]LHETTW,I[G15,012&C.SP&^@W_BG)LZV M>]AZU$,.5'<\2C'1%%R E:E,*S2C$[5("I3JN%RCQ3ET46L%#5'4*R"G?M$Y M;IH7K!LOFG:@ M%"&H((/(MQ50\A9C&=&*EUXX,:I2S8UB$$5$:%*-Q;[PRR ENY%=_ M% 8+),(_];-I->S=VQM%DFE(3L:?\<*W\=P'>(C(T5# P[@3'K/<^ +Z, M=A<&<H0?P=H6!; "%Q<+E[*U+Y2"E-.9\'Z^I2>]Y'P:TL9.#,/P%Y:6M3]NJ M;F\YW2B@2H.)#"7MI^>DW6(1;?:^0MN.KOF& 9KK!=!$'I87O;4WQ8^@^^@2! MG-L@N_B]XVPC "J-82+IE'\)!IOMY4D8^ &^?N/,XI$KZJQ^#ID*5*U0RX&Q M"G%4&@=%,G$% :>%1JE5X+[3419D2L.F-/Z&=V5\R'_^#OQ@G[F#4PDK+ 76+RTXWOHAlV:,J6S E(9UD70XE+IM M)6%Z)*OL_62C4O341GB1Y&!2$4AZ7=KA3G7>E:\M1$O^8@^,F EF"I#2NBFF+QRY')V/7"3SX'F(1*G*-]\0#Z21AUHEH M(V5R1[=9,H;]=6'@B$#7($DNY@:*%'S@HESHU$8O44W)[Y531]6%7:@7GVX MU,8[2>C6PG4WRB6XZ)9RA4MO)P*7WJ*?R 6>@9G^"435'RZ]U;WZ-+P:'ETT MOVC=S4MO%ZTO5RO0?,%2M5+T=+P0I?]^/8YHU;=»?](0M,A0LAZWKU]4H@J MB5O-#''EW*ZKK5N\Q8& 6HP<*Q6TE>>==HZ<'=$S0TMY35<56Q-]1K5@$?I!; (VUVK(9B219F0BNK9]YWKX1]F#)K,RW4R?'%9)&2K%<6L[T(9.A(YV -1S.:I'-QHW M2#]EC&>@*XGL]RB<9F!X0>T=PM;Y3T[3^??QZ;M?/->7/@6BUW3H Q+["^^ MDFZ8? P#0W=7B=B\EW"W9QTWYQO[M)_!,F-I&KUY0%M!+A,_9'O-7#GQUKYY? M1?1T2.AL*T?\AZX9;*2$&8*X2'ZR;RLRT 4U'0@NT4#SXEOW!GK?>H F+OJ! M_0V@*^EF>~2BWSIYIG?.08l'2[S2KI3]N7H.I)?(?CYTE5Z/[TI8G1@S?/T5 M6"//PHOZ)OKXZN*OFAH.>*L_]:.)_:06Z$KO^'>N^Z0P^Q7@FY.(5S1H-^8@ MF8"1&T98Q[.FEO$Y&Z);E])ZB;\.I@JB#?:RD[3;,W3K#IJ0M[5>Q>I*^[6Y M0#T95+@FK:*'R6O!H9?)ZF6*==*O$+FUT4P :[6;"37BT-.:ZFGUU;)GD8#+ M U8PV^CNPDVX]#AFNIP,A2C- *Q?EVNIS.TEE_$ZVP/4ZF0P^X28U^BA=[% M67M6F5>M/T/8V\Y51Q^'O2NQ?8P6NEN]1AUZ84.|&#CMC:8"W47"W&SME MUWR4UJE;U)OOTL<+!(0"&AHT#YY^PN-IL M2W3K$1W.UEJZ.$V5PU4A9WB MIGN?O 8>,J7\3JE8.WNV2U9G?Y_\>(.F$7<&]/YNV*&JU0[!5NC6Z_2;@\D M5,'>5K-I8Q._&'@? T*1$9'ERG8_(X&#X_%G.'?P: M=/]&)*5'-%)W__M!>S J>++>S)^R/;_J=Z\5?X70T3ZW91ASZ0P-X*M@\;BL: MU\CWPV5D]{03_?.#4#-6A)?O4Z6[2>SM.&H$+KK3"!T5ZIY]R^ M 70&J18.GYPWO^S5 MR6#LIT<=M[^%FB]PU96B)V0D!U^[A4=M222.+]D{B7;-UX"]GO M>N18CR!8N)9KN,.UJOUJ_IJUX[L: 8@D>DUL=?PS02H6R>+LWUTTED(;231% M8VH3#"^NN3<,KTD\Q5U /P>[CW+0G$*_=_O/ #N'20=FJHWU76*ZCUTG$8Z M#C?TA[WD4N.C9&<XM,)#1Y&^XUL-\W[MX$9S-U0!XS&S3!KM>-CPW+4<##$DF M5,]I*!7#+2Z.15Y)-9: ^1Z:BJIT(V9QWFB#@?E0%S6] M;HQI3/N,W3TNC%2]!]"'1MP4,<0>Q*,^$?W-@4&5S;6AP,;;MLIXDXQ4>M@B MZ\+#,- W<#SM&W?:4Q5#IN(A:TUUOGP1J52;DKFNLYEZYX>V3KIP$ M;;CA9?QK_-GCG!.T?7DK>_"8GDZ,)OB>&4;;M'ZM>PFS;-7HN&7HH$&@E?WJ$!E+\(UWJ6R MU1]Z5.,]BD,!2@]<'/>G*T7WLEOK2MGJ#UVI\[$H0#%#X)VYW9]*9AQ\.$6 M^U.N!8S1$:3V#.D':/#GTJ/8U#RT=#L]2H9B2R.%\%QE M:K0A6O:Q3BWFU8-;Z>RI1PL1_'"W-V]Q0G2I;.UWP=;&>"]*>NP%E]EW4B_M/ELGP->AXI;1<65H[+!4666I2K_>*]B^0^]MO??*T%B_[JTI7Q7#H6?UZ[HB MC3OTV!;];6UU*7WAKT=#;E_GMQI<1MNO'EM76_U;W547!'=34I1I5Q5E5SF; M;H^6XVD3:[UZ(;[4C^U/[^(G.1#/VH%D\2;57N,-W'_P1HH)N/_+GQ1 M^_CH.'=1>U/F("I4_XO8NS"4[8Q2DS<\\BV@WD/NB!EM.G[3|/7Z*%C,_*_M*X^6%U)W&L^^@4Q)K;GVZ!HI5R9+PH[HDWU+F)9>=YVR%,.E5H:8NES2S#:: M>6.W,&T'=,C00JD6&4}JHD$LX626\C@9MK4PK>X:%+"L_/(QMB/;B\^1NN4[M;5+T-T.,T:34/F1,%'YZ='1,GX MFW0#?X?!XA>P7!K7T.4K%\0*A $T_7O'+%2O<'[=%"M#.5N5RX%#51RRMH;O MA[+("93DNG%%GG/-%E&K;6V*S7A;(6RP("9P?' 'P!28 'X43'[+DFNN9;;J M=KJ^])A*#P^*+OS21H>E&SK!5I"WE>N\ \"W|B#CN&8T)D7C@H=<^?JD^\KR M:G4&C4*"1^,3+L/E|C7C2%K\P-L'L-T5<8D.#U&[T=0!/ZR>GEYP[N<,S\YR87?C0@=0Q|8.=8@6W MU.?_D>E1BS*__'U!+ P04 " #P.0A9 MT+?B.4DJ P~071T %0 '!ARI;7?BN+HH M_/W^"K^US[F[>ZV0\H2!5'?=9<#,LS'3%R]A"S 8&SPPY->_D@T$$D(F"(9B MK]TIP+*D9Q[T2/KG_RW&.C&#EJV9QK__I> I)_Q+04$Q5,_K__I<7$!GL?__?`M[__SS_\7"A%:*UXK$*JIN&-H.(1B0>! E9AKSN"!J)N3"3"((K0L3=>)N*6I M?:AZA2+O(_?D/46$0JNNXL!&;YK&#P[K%]L/$JF\./HS\L.F:99@'ECV@:2(M2O&HH?IN0>M:P%JN@7A G9'WT1C-W%-AEN6>-Q2>A-=,42.3,+I%/-/A#=']4R MX6XT!",@$F]& O%@-(-*9")1F(.!2FPZF/(@%0A=!GV@VN'^@!,_OTQ<)S) MP\^?/6!W[TVK_W/UP)OSCU5C73-&FY;S^?O^T;5TKS5-DLQ/_+B+\+%NOK"U MG=9S9MV6^MDJ%D1E ,<@!!FV PSEZ2W4I^IL7MP>(OS3?[ANJBV UQ:O M@4XQ6Z.MFUNP[RJJN)_HZ;JAZUBO-HS]1^W:,=0/|S1*10\\7B&C7HP2YD MMLG25.10UWZ+U0O[B$K%8K&?"\Q8ZUZAHNX?'CW8&7[Q@JUV^L1/GSC]$PPU M 79_YS7T@PWZL*N9]KW9]N9"<@RYO57[4?$62]$AFMOA8FTO%W,^%VL ?O\S M@$#]_<\8.H!03,-!RNC?'PY<,#]]1.*70W#]:K- ?ZR>AYSE!/]X^?L?1W-T M^/N? G^M_:ZZIKK\_8^]S0C;6>KPWQ]C8/4U(^28DP>&G#B_T*_T>,=-JIF M3W2P?#!,_^(&VN(!]P8M_Z.FJM#P/]{&*0LH&&3"-32GAGE<0A]B6%K<)LVW 3J M#^EZI/,U:A@- ,1]&6_],I!SB0(M;PTS]<-],&T@92I8B2>'B:*EAD* \7(M^42[*/2E>H8L#PUJ:!9'B98\_RQ0H8K49D0W*8[@N%? @94JE:'K_*E$SYB*Z;6UCG%\U*;1+M,0UH%B!2W69,OKK*2*M\2"@V3C+ M*]J,WB60T$HW0 ML<@_/W-+Y)ES+0I--;8"]#8$EF"H2622-U-N+Y:%JO%(-82RV'&[!NTT M4H.JS. IAT(4C8S$=\XWN7))GB:<0K_8F^EF^<=DHU\N#4:@8"2:(96JN=VY MS.+IXB'.-]<*&L!4=V<[S^MI[=%BS5&3R25RWHO1,!*[@6IEVJL'/\V*-/P#M"552#?8U&QMEIX2> [$S3<.>-3@UF M>#FAC-$E(KO!1#Q;/F.R!K*_2<9\CLMWBYY&D!W=V&-E7,2/I&S M88FC^E4W-TDJ3(P/J*5[*QA7385;"[XR)IE!.-*= #L;B;UAX?RTT&@:/EI7 M8\D5RYQ RUE6=.0BR*X*R:F:8.T57I:10\4O-%O&?)H0 MQ3-\'WW#C:DH$R[*<1=:\GR>7:0.3&@<)<1!E!&U2&K((DJD)%B]^IVGD$K.KI M=AVL9+X$++$M>#A.56:$QKD)NQV-=ZO&HC=%HM1#Z@2^F.#/7>?1HS9R9*#] M^Q_LTS_8GKN.9DQX/OX#!FS__6%KXXF.???OMX$71F'A-9N^OW"5C$3_'S6 MI_?5-EW+^^8%2P\KK'@0;+#"(N$.J,P5C:?4;0GUP#RM#Q6P-^*8*&-W?&* MWFM&0CQA:ZJ&PG01Z+#<\WCWB7UXQQE GX=20-%TD)HVW+/J*1P3]48D4DY) M;JL468Z*6:GJ("*OI@P]?;;^]GX>T^#%N&A"^Z-=1/9_*Z'!? SE=7+=_2\EHU7,?GC M-T;EP]NH?'4,/Y]!^W,?:B>>Q[+!C ,L!]N&V(^B0B03(L.;?C;/-C127VFZ M?K+^OA[DYPX_'F1/=]_0;OC/0=UCJ+ &0ZZX.9Z@]`T""Y@'UZUP$&$:'D97 M7)=1>;?&C.N6)U2;Z$/.:<6K@:-ZS:\<0C*[^W8Z4=,$_&$6R(1/^GWL,1 MJT!78L@C27>(TMC+G?CB/=R1/-^'<&<2D<I, M..?6X*@YT\KUV*P:GF4"Y[-^D _VPWI,9O!7(IP]- F#]Y+OIRZNJAO4%T"M M4[-& DPT!^@K,G.@5K'Y3GX\&>4LM1.#EL&,[]P,A\$^5SF3+LY5]SG.1.&5W.],A)K7/IBO[=X%\&%S"K M_-J1=+H,(Z! 6U'D_V=# <<.@&GW+NG1O[{MU.N,M$)V7OH=U>H0/E])JOJ4+ MTW[*4EA>B3?,2S?=9]+I@:#VNW5ZQ&RTZ&&'94: *L5*I%CNM%*7+N !T.FG MX8)'M5HW15,+2^ Q5Q:+'9)*ST1ULE)Z5HPXS-M69)4\M)5W;=:-&9=\G!F A\V:3/-K#[*_79:K\);(5,P0 Z,+YW.YS!#@2'W MNVT:/TM9^1J<14FW%K6,23Y>!#>;%BPV^&SZ\;7<$P!T==%OB:-RNR]GJ:2\ MC+F7+NW?K-5/DHTXKE+/ FOL*ME4:31. B>_H&/A4N3B,Q!G4>K!H/;I=7HG M6TGDJA&N+8GU 5,> (E>835\\Y<^NTT^2>SJ23K<'>9OO#@#$00ZM^SV6JW*XD;6;_:"]^X'V3*TQ5XW-Y@6 MTO3(Y-%,J=OBT-9Z,KU?4GW.NJB&=C(81N^U<[;-P ,>LSPSGV3_!Q8 MZF;S__'$T*=C+:$|S/BJS.@ =%0QD]2+ [S^2$6#*>1+@>6K#O0/2FT5\$[)E&# MKT R*ZXCW) - RCQ4:*;&]BFM!U"ZE+?"G- 0>4AT.AT!O. MPR0TYHF,F.=YMGX=JOYU]*^9YI[35@!=$T5MIK5\KN[CNEC-C>.AB@#M2"(E M9 9S%03..?!L0O3T_]E6(KY[6:X\@R(5%*U;A?-GH,_KF5\SI0*2M4U2+]H MM=L$%-ZEK>9Z[#J9_;K@L40!QP[J9"Q_T^"T?+ M],-D!9NL@M%U*(!O=^R'1?2$B<:W7._LZ:R!WNPC^-=DUQ(&C(="E3&IM1^C MV5A4DG+"=9#|$-Q73? @W7'I^?"L"*1.QR.6.GYAMU7%I\K(S.&=QZ0-$[+=] M>E6/EZK-AMTCZ6I]4(TUD&D#Y^W==+*%0MT9LV"RTI'Z^(Q=PH MFF/EP&8"0KSXCD'7?:!YN_G(SXLA;/Q&IT;Y1/*2..C;2\N.Z@>LIM< (5FLU#BQV1>5#O<8]IDK-ZEFZS3[R;_M+@_G%=[(-T6JG'1T71B'Z582N#JC7?P1>-_/&Y?MN[RF- ZB0,FB;@Z4P->EH MJ;$LSQ;BI9N9;^:-B_=*7N$-+K$<:O/':4OBNC*'J'-*2ZG>],,E^!M/MUHB MYOB&*RX77"+KEIU{0N"81[D^Z]$=(1'8J.?]^=[WPG]*XT.':/*=QF>[Z1&8 M*":3L8V&>]KR829Z@;CXBFLBU4HO/@XO.Q(8QQJ3<6UAZ.W JGW<\UK >]2 MU\1"=.R=NF:[Z?$W07YFUTS)R67$I9[31Z%EQLDS.:Z3"NZQG@':-.,C9"' MB5MI&4!,3@H4.,]E0S:IW'N2#*?2K<;M(I_3WCWT,^I.?3I<](@"YG?@?S-8S;V/G M;CA?1"O9C!H$*+&6P+, 9U'?+++]=MLL;$ M=6RO ? 5ZET?D\KJ6IRE3%IRZT%"6^_O;.FG?H.);%HK'UZL?J?9D-&%;$USZ!Y.PZX@8;,W1X F$E3ZUL.[(\+R73//"*#\B2[;=C$VU\D4+ MZT'.!$-FZ9O.GD-FQV-H*1H^]A@->(&RRM-)A4E;C4>)%G)FN=IPPTDNL&'X M^V1U#TUN,OK'RN@KWJ]1:D3*\7HV);ESIU^C,UW%"FZ6^00>Y>53-@G'P%"3 M<&+:VF878#V?AF,J2DW)YK*J]?KS!F,EK>1"H)QJQB1:? #_FCP2* MKGMV<_T9Z:,*J)9/VOU47,I7I=[C4B>+M>"><,U+-UV86WSZ39>?%U-I]A5 M>Z89%\IDE^4&52JBF!>=0MH4&RVG7JGT@KMJ M%S#'.!!D/>P9RR(K.<[R.MT02WT1_'VR(U=M,TZAV<<$$+O!_:+ 7F52\;JD=9^+ETSVH_PDW"(% MEU0$PVCF"_'934JO5THO-C5\Y=()+2P<"E*@=KFWRC"L^L@)DWRW LB")%)" MP6XOK>22OKI\X;7*K1\'XV%R+-7>)UHLL$T8C-KE.\RCV0R'(XD\[<\TY\@ MO(?XXB;$ 1#BPPFG[,R.)QW6G9'BL,3PO#L>S5HWR;U6R;W.M;KK$M>]]7:N M*%@@#U.CY;.8B=:R\/Z37#FRYQTU,+RCC=!/8Z6LW93R,3]=2.!+ MC^\+\)J17#Z3?GG(Z?7'$5[,XBV;J71!.-)1"V6HE3@UJ9P:#ZTX&-$MQ^D6 M3SDAC5AE8?<4-RF5(^QP- JI1^:ISN<2]X&6=?4;V6+D<.329%\I*44VU9)8 MRIB\E0_N/0Q_6*[B,Z)\'/RG$^D6%ZD.#:$Y,E,5KK](M;C@KI(%,;P]O{(^**

MX)*FRETH%CAV.@]!1NE1[X3E,'NYPGR5JWQ?|;FH@CZMSIE95&JFPA/W4>+L M4/)RS?+UK@QJ25-3X4:*[.;"!6F<;=C*Q.J$A_W+I?*5)B(_Y5?/BTV>3:N/ M72$=&<1F@IV,B)-+)NU5):^^8'U'_4YAF"\T1:%, =&<3I:+0G /3PV@!;WM M!L'7:<:=4$+FTB5R;,:L&3DDPQH?7!_NSTPK!LK+/ F?GWPW?SDQ[_8JKC @M\V1MSO-U5>C%KYK/_[@=!;>;2=PQ3Y7#5& $*9*8TX545^NHUCRX;L%-H9_= M<3D-HY!7:1:C"= MV8ANSIA:M:5&5#>P;D:@;SO:M>S;%QA|E0!,<6&1D5Y,.GRZ.95"1>HQP=.F MPA<#JXV"=6'1[D4!VW<0?97243ER+$*#%:&'!=F@1'+.M%E*3UO5O.DO M'#@#H<&I"1T-D9&O$_]UQ.A::F;!N*[/IXRPL)"T5T5]B6<.&,I3[.]AQ6PY?=I3H/,[3X6*D3S9;3IL?Z7+'B0=60YP07W_B MU4D!XE)A/-'-)80>RM=E&5S!BC6&Y= HS6JY_EBI\'0DL&[+M_#F'C3=./*X M',D;6HS?\@2_;F<-W"UZWWO71B9I"!6G;M;@Q$5Q$K).*WXUK53! -UDEUR* M-7JL=RW8#.Y5,"2E5]]X?P*)5\W-KUQ]?'XO ({#U?@Z3?='(5C+R);QR$=! M8-W"*_8"5GH\)_FY=)\74"!TBY4&+"=P[=*2C-;'RZQU\P*^PROX05GR\UY R1/;/TGM M=Z4QR4I@F"R&P^]?J4N#YP6^NY M%8!K(FPF'"RKOEO-*J+U>5,K(Y@+EX,V6T]G50"N]1V .H=M6_P6V*?T&]FS^8U?YY@T-* %=(0Y7AUKAH:<&H!%=9=GQG61>\RTQJ41F'(= M.9Q*T>U$8".7=_',NP"_3JXY*#L?2\^,1Z31D,F>2{[MF3GH5Y/197!OHK@$M/7/V^/3D>]97SZ:U96)<%IH+DT_-AM%N>!%8W^@Rl,SYN(8|Z)T?2\|DAX-" M5LY3I"!.PHE<)"5WP?"R>>:<>H9YOV4ZF0?\!8YYGYY9QDV1,)23N5%^*D]}M3KDDID]7;9O.JV?.RC6'LP#'TC/E24[+4.*D,AI;UH0214LOVI?-,V?6,T'- M&QU/S\BC>#W'SG(U&=X)I:M9(@(GF 'W%+WD^S-6T M[1*-G2(*RJ9E,+;)Q|$.(GCCD(M\G5&V/LY)5>20^5H2V@+XR4U%ZFTX,QF)[<@%X6XPX'E,43,H$LC,Q,5';(I M+\^UO\SI(;686;B%U9<'D,3@%\HO!7(#Y2"D?3W$,$ LTI 0P]BV%K M6(B)58/4K-YLGEK28S],74O"G&'O>1CB%@LV]O.F_JC+7#L3*L+28?EJX&- MJ8{N8?SC&F9P,T-#,3V-P-(I6+N[GCM1V_N[WG"BMIN>S!#8EB/7@-'W^0!__M*X*%-G;'SW:JOYN+RJ@9&M##H%S!J[91I%4 7GSMF(D&< &6=N\[99J:@Y5J* M)QYB.^DDL*B$3BF0@AYV*#GQV_\=0<_K[++"=CUG9B]:F-V-G;M9\Q>O-AT M='*9=2MA4!@O-#%PH>0?S]H?>;|3%SBLW.MI"MSA+B8UVQ66R!9!2VSS)):N9@C2<,2A;6)H'V9O&6M-O1,S'E/MXIN<,A0S7)=/E?CLZJGQ=4"9P5B7P]1>URT>,V<)=2&6F&@7AIF[,V6 F>>GHMNY\3TV_ZAD_8>1 I F[NUYEM=%I*Z\7R[JC9E]9- 2Q5!\D6W&%BM/!54){ M\G]' 3R1X7E&R2,8GE=DX/.43:=#B+OZF;24H$+B[*HN)+9RHVPP!7]O_T+M3B\'7,;>:"6E>;3:;DO-)A|S:FIF6!<#ZV)>8,:>VCJ(f\C> _7B_,F/4'YI M/^8*KKMX)/.2TA73BBC)PFMA.FB!M8$#;_<)7<"."CV M0O$4BL(0/E2$G76&/C5.UO*#18M<)IC^N#^,I&PS<(H>IZ/V0;[U:V'U5H8I*'GSL!V(E=5TZGS!UW<^: MX4IH0RV@{,K86K%H:LZ@ HVUV-+=U4Q"B,=:9,ARI@9A6Z[$S@^6(0I?HRL M\PE'0LDI783H^PL[HMH1V+$G..X9>Y+CW\&)[+1D-M5B]U'(L]T4-YI+CCT(MG.NO+U^^C;*OY\LOFL>#D$KYY'KE=_#XH#]"Z:09&@A-=\DO*+*M+++N!<{). MOR9TX_'^OBJ=MAS&-@5CY.?]@)Y:])HS#M5CBQS>BNI=^N^VZ;&MP_S->?Q-Q;;X&WWY+'|/$N%4VB&G,ZDYT?4FR$UF<3MP):A!TW!4#)/U71S@-M-SU>YQ3MM"V: \%;3K]J6R(NU,5RDY%W7Y @S]&=3C_/*\P^D#)Y^MQ**2AN,QB&NE,T:NW02ZCJ;83XP4ZY<2N>X\J@FNW.YDPGJG7V4"]U:>P=F3 M\!H7:2=.&GP W:=35I&3W{,[I M+\!7$B..#_62DWHQGG5.GA@!DZ9^<9=>M/M$N"GVIGB'+0X,:FL51HB4'H1+J.ZY AHJ*(G-5FVFJ"_0G[=+4=%T#X\3 M=%3{C) MK$/9X48U00)1,D7D4$3SP;M8_CR$._LQ,.N0-+QR%*LBF$[Y!D.&0*HP[D1RMY&AT\F3"ASD<15CA(W+X_F45?M&LU$&[1$M< XH5N%27*2,(N#A+KMXU-!]K M^-H-?!*%H0)+E6WOU'B9!I%N M9_UL_1T/!,.:@DIB4H_5Y/%O(,HXP'5?2@UZO%1WD^B]&U&R3I:G(WKE"P-. M4'LY*2]J;756F M@HH>:HVS-D4C^%1CQ&U\8L&*97O%FAQ+/EX"^QY0V.." CR%+4=@5,I%LHT1#169Y=28MW*4BK$R'&;.K1IDH9-0?OG!]#_#=/43<" J/WU(I6Q>2A%CGZX+XDI.#,DU1 M2$BU;#TKB 1?2A)"*Y'A2VF!2)2+O:PH9LNEX,Z]R8N9;"E=+Y?NB.1]XIZ@ MR3;.^)\PV_,U[,@W),!..3-4N5:\?_^A^+(7]X$DDJ;CC56;TAR=()6!9.Q*B5GO#?]"LR9=1X:QH]7({]$<+W5D 5+3$3Z&.G/6XX[MG6HV6YCE!;ALYT'4%CJ=2%5F7K:DC7XI775S P$FW#PMM-G\V)WCE9X7?8K+ M4+SRJ(X$,+5BHXA9K;?BM%A9!WB\3V+7I"EX46QBPX?UAVU>Q2[4RHQA1T+Q M'9"U#O;\-> ZYOH'WUSGMGULAQK/>]64<2_]^O?9]!R-7H*ZE QGC5!7O/ M,?^[3=*5+5T3=\OMV>K;1/WU=\.^-@CK[Z&Y!28/70N"46B.$/"F2[EY#KK(M%KL_(5]$\+D?N1A _].B^<[AJN_COHN?.?"lPQW0_B1$/[3L3#W'X73OPXQM]0+B78O1PR&\^\/#5DG&RI(1YIZ%^BZZ73-Q8_3&)2]"RQD /5E#4Y,R_FQ M5F;I*@3A;DT,2>E9VXY9J89#:3P:C-Q'J#4V1-@W(2%E"7$Y1AK^OQZ98A&6 M>R+3'IMS--DX!5/N\UWV.OD_?E)+=;)>)!3 M5D>>E^\N4 Q1AA%4^"_U;_^\&U\HDZ@QU2,83-$MJ|B34KP5S6VHD)VM,8/=(4,CZ8)*QX.I\+Y MA+?C^_T8R+D&)!CRCL!3>C58N6#6Y_XDSK_IP3]$#T8_K 9WQ;Y9/M"POFZA8P_/#]631755H1*3Y[-*5\+!VNZK48#'7Z+@*886N"B^*/%(>\6SY MSM[M,#8< -B%.H()+[E1",PC-ML8G$P(MN_SZR&+Y'R46^Y*&M5JAH$ 411HW)%-TC95;M,7*,#3,R$V&Y" E[M8<#"%RM4 VDXC82ZPJC\..<-2]<_MD)SF?8,\4[+K&A7FWRG5R/3BT0S1[E2 M*(9,-OURW2G5ZK?)5#A4'8%&SV"D3BM2GO R^[+/ ;\DY;C0!)#B0)HTJ$R+ MR^6JGWC6M9.?=)VO8K?YN7:O(>7 MNWP>6/42)N!)-AD!O$>6/@YZ73L LK'6/6-R 7PI!#@'*=]2F8<#V^3Y,0R M9]CV'CU7YYMQ?$" -5EMO?3."?"V[UG+A*G"39203\?MG)7ENH(VL)1ZJ3-7 MNW9UM»;S?MN>A#]8 UR->RAM%RA>_1@%3T"@.EAD5S7I_MD-VTX7(DU'[9*4MH;3K9"C7273R\V5+R*\K&]Y/FB@=HG$=?/AUORN89@$OSLMH57500:]NJ? M@F9 :BN8SRl;5(SN@H8 VU8GVVAUE:'[L6"^;$ "IRF@I4!"Q(N6K]O^]\4I MO853TRKER&96824(2X;(2!U8_ZR+/.03FF2#!/^52;$Z%@0.G<$XI?!VNYD MC_CXNRM>]+13"H_CHW4YUYZ\[(_?S@>]E3OYR$2)E&Z:UA]"[P3Z6+;JYMS8 MHC9M+[*5:B:^'&D):ZS/R_-H2/D8M2L#30Q%Y?N[NONFS. *(YY? M5;8J"Y!KLM.%4"Z0?><17XQ:4*X#6T\%]$!A%,ARE0/%TQ M402J=[3)3BRX+,NAAM$P&"DD94KE]N.X71K^A=;T#U&0BE'X:*8_*]98(1:G M0"<6D@IM G0"+]#BXH);]#.^A<1*!66F?-_YG+6^=<%7H*;6.)TY% M?MF$W4X&9C(%S.\W,$=@5A/=S%S$,@C TB%J/"!^.O4Y@';2!Z-]Z1./'-0 MG]OE7"VSF(Y$OA\U.G#XF&,_YF?27.2+]N#ODQM'?/:F7L%D>+%L9M4BI:[3 MY?*Cl*/1HQORF"Y%YA_+WW!DGI>:<9J1QW0F+\9'; MJ1HMJ=WLY>9X<6G=\]H6;9XJ2>@H"GY>,XH$Z45&Q-/"VRZ:XVl;HIG[*TC MP3E)P$;NV1L)@K&7;*61GATI,%D\.U!@I=P_>,.UIZLC.%Y[!|_:\/SAJUS M1#9<@#\>!?WO*!NI:XY_B 8$RH!0=&#;'RH67.F7&T(W"+6 Y]G[H9G$AY"YMTA0W9*Z1N2Y8\I@3+I0!/OB3, UB/M#0+T]^[^>*D?\L;7#N'Y-8J8%E2=-?3 M.IN45BT=F_2*\?1RE+>%$1T*L:-;/':!F(&[_]/8U0^_UG* M[-S\L-*4OJ+<,$-)K_9F).Q+*D9.1.RQQVQ]55>=TA9JCP80H83/!G*>$C MU$EAO7R2$JFUPA!6BA];@ZVTC=,>3PS.B.I*", 7V(["T"HW?X-+Z@-(E("M M-09+>85"XC7F.=0=\=UEOG^M)I_6S2[0"1'J4'%60/Q]T[3NZ|G1UQ%T M[O.U/C/G'[_QX;<*KDKJ+<EE !&3C/%A./,!]$J4<.[,>]@_HM:I=4&P"9Z MF@Y5N@Z:H$W^N#\FYQA<4;2U3V65HMO"\:V% *?M MLN]ZD0*GJ*?$W<=&))!!7J>)T7[?7A;C6WB+]0S$EG"=I"9],7-]HWH'A M##(#S')XYV)TTGK'_\@JDO^\(8*C$7_06W%TD:,A1=XBY$;WDM4=OXOFL.L/[MH&OO)MYT@=>T0,=+0005+ ^WXC2B=?7?NXEH4FXV_%PA;(8YK,VD60.?K^6HI MI2+:[;&BXI:5;NO\$U;6A_28.\NMOK.=/_>MX%$!H8+/;KU8ZV1RN91QDP M%]$O55XQNR),'6N.@QC+2 MQT0*,3 @=/0^)("B()&R\/5'"F]9V%CL_95 1 KM?6"/D2RB4:RU@D9\.$;M+N^PE43=(5N"Y]HG^I8Y=P;KQ_?(7D)O;BKL.8:7XO06^[%_09._7INA]YCZ MM6[V9H/7Y[=NB.WCJO$K386?KY2YH>@LYRO((":4RE0:M4?FXSO3WK=/% M^Z5,?L34RT+3+/4UQNT*5HO?M_I&-=.]C-.V*.F-]@7C<52L]Z-XG8Y]WG+. M=6N:0(*IVI68?6)D:#32]C_ODGK>LM"9B.1I3TO MP2R[R;PN2>5YEZKS0DVP((YG7XP^U>L=-FO/::&<[P*;G/;G,]"7F0WLQUHE M_.9]6W3DGHH&HY;Y-/NVD"F_:OAB]UQ CN@Z%0$CUTW R\V4NFH KYR D7OZ M0N'[8!"IZ6W%"U>WL-\KO CX#N-+_\&3[^_0/H'XI^]$4^P=!BT7UR+7L:,0BJ4JR?S_#L6H$0[4AB?7X0\MT'9@?5;]KD&RO2\XY#L MP.O",Y#P^XV4^%H"]D:@@ 0/YSMRT=?S'H?$75LSH&T_G;9(QH0%=.JL$(I:MR12$:HQ|O'J>^Y!:V)>1?\l)^H%SU"\$2]B?K+Z9K]!OOO2*PM=Z^<;&AH-2Q@(:!/[Y0B!7CAL $/1@([3]_A<.|S87MU!:!/X M;#U-/;AIE?D+!%;$[:R*QU*U<@:SN'@ZS=N_?&.KH*52K$3*X33;DD*]B:0V MC%0UE-U;T/(QBWCXM._+*4*KXIW..^9Y>T^W>FTR#232YS MG'1PC]ITF10G3E.0_MBY6LAPQZKIJ%#+14.#[@["1AX @(W=YF[?E]6+_^R-;2NVIGO4VW7C%\Z(WP,+K>#I= MPX*P8?4<0\YA=*@\DD!IC6AF$@V)D/_QFZ/N(ESDCHYR:UY=H^$WX0.,D:CX M.WML/,H=\3_D/4F2%#$!%C$#N@NQ&?);WQ'FT_#?72,%?LFS.[Z4O"%E]O-K MQ'>WNN8[-WQ[?\H7[MO^<@D9+V3+4@'8B'^1(V)!M0+Z,(XW.GM/UL<\;#"I M:O9$!\O/W%2^C<<]E@!/_K#IPP^],:LG@W0Q3_/_V=ZHW07*"EVK|'B0B_3M>EA38.LF^]6<:8_0?1CR]X&#G@.M!Z#/P=)>AP>Q>V:]K^EA0T3&@XZ\9\+_M2VQ|QG#ZL|J:#BXBVZH,VZD6[VV6TJV_O&-_>@K/L'L1E/WGJ'Y7U> L92_ M+?ZT6I,](C/DY!,;"PTOQ/O9S82WA>=_- *N??ORN>^5Z2)DE_+J[IPIE ML$WU+3QL4?4YJO=A<"4D# M)-M)CY5@LUI796)>4HV$U*D<9JL=$5{BNMWG M@O(EK'WE%*H$+^'K6?A:FRB5ZP)1$])\+9DMI8E4N=9$'T.%% M4OW8%[JO)KN6:.*)Z'5)7P-XC@[<8I1%,"7_MV5.@&=Y&ECDRTB'= M-$>KL,;Q|[C<$SQR99^^KTXV=@8>!SW]VB/0<(YIX7">Z"$;,*]H}[U>9^L MD,TI.'86#6*.(;$ &]HWQ-)TT4<#<8IW*,_P+O86T=#C6U_9P!RP=<%T=KX M>0GT&"R?_S37=/U%I?3 =']U^;,]P,4%!WO-?T<0@FO2+WY%"-UZ4;"-8\,EM M#GS^1-DWH(;E[\6O#B[\>3F<90[W5,[SHU"\NV?(+M0U.'OQ,[0=Y$:],#Y[M9DO[,<#$Q#H"Q_X:)'/,_<[>'Q[8#2<4D">.M':$C&!Q_^\O6[\B?1E/&[4S7(C""V#AWH"(RZ.;$*[!7_-O$4*1X/O-+%-U M\42PLXCOXK1]YQR1R3N*#;V$T.3J_O3Q&Z;1-[U!_#'PW/&F'.0J> #IHK M4CW><.L?'0L-B7JV-'N$'MFVB>: DRM>DN1%LR>(\8#]Q4P+$"%4Q>]B+"#ME!HRI$_O>KMGO%V!=RAT*4)8H@<]5H8$W@$))0I"LT1#?OFB5LEC$6T>LJ MWM'D;;0 ^M)&=#"[**L-A^]F.06ELR>]^ZSR?H]>$_&Z(/WQ?(W/ID6FL<$MIWHV76WZ=QV_AQ6Z]Q$(_]Y-2H\5[KQ\ G369$,(2H$*LS#3#%WTLVY]|UH/>A(-Z M-XC?O=GC@!%:'M?MHPF>B;>ASM.3'OMZ&U61[O1H[+]W=:;&R%XH:PWM+HGZIZQ.H1>X(":|!T8*]SB:IW"T7O-5RM MT++*UPQFL3O/$+XT,)#I>(]?P/WO:'VOG%5]N=!$R".YX\D*0D;&S\;8U6[&T M+L3]J*M$J;U&[*N$]*KG*[RE;M00V,3*225IF7OV9!6W'#[YH32))(MU[_* M#C?D<X:A1Z0VR$_[-_VA/SR!0QS;HT'=AG/D&L!?)_X]XA%'3]5IF"& -TD\ M5\-!LB\LJ(>X3=HN2>5V3D#0QY6!U[ZW/USB)"RP=Y4%ZYE'1s#*9(T7M/P,U;S5-H.MYZ4P:6Y,J98MUFF[COLOMOL>6C62OZ6PF:G/<'MHS#3+ M]&S;O<<=&F)*>'XJ$XB5!/9B\M;25NX2\'8@9 /^[LHG>0@6&&\7BMH9#>VPL-MMFP':KZB@'\Q,$1[_'J!9QX%_!M]F9W/5<)&4@OB:OK#(NOEC>%V M40N$/W>BK][.\=?;O!6XM[UY- YF=0W9^O6'#, K,#ZY? ?/?\E#[H.78O8< MB!UNNB/\E9?G;+0./>9H.O=$$!Q)^[%4^CY&4]=@<4U M+7\QOTBM9#>'SM%6RXT$'>&)EX=N/)VUP=QY6!U[ZW/USB)"RP=Y4%ZYE'1s#*9(T7M/P,U;S5-H.MYZ4P:6Y,J98MUFF[COLOMOL>6C62OZ6PF:G/<'MHS#3+ M]&S;O<<=&F)*>'XJ$XB5!/9B\M;25NX2\'8@9 /^[LHG>0@6&&\7BMH9#>VPL-MMFP':KZB@'\Q,$1[_'J!9QX%_!M]F9W/5<)&4@OB:OK#(NOEC>%V M40N$/W>BKJ[.\=?;O!6XM[UY- YF=0W9^O6'#, K,#ZY? ?/?\E#[H.78O8< MB!UNNB/\E9?G;+0./>9H.O=$$!Q)^[%4^CY&4]=@<4U M+7\QOTBM9#>'SM%6RXT$'>&)EX=N/)VUP=

*D@X@XTX--V_I+4E M^/L9G9"?$,V"""%/(T2C'R/_>U_;I"BSM/W]_17&/'$B[A/1S,..S#G/1"#B MQ[B|H5 0$00E$7$7_]2:/?T##V|NJ#RX>Z[EYRRJK(R*^NJJS)Q2HJ^4W%$ MQ/.8A" *C$YI^J"OP[^8Y?,JA=-4)$)'BQ6-5NQT1I,BDE=_0S IJ;__BR@,.M\!5HFE_IQ;FA%TEI,W2:O)C4Q"A,^5-20/*#=<772D(/+G7PFKBRFOD@DLS_M*5Nl)2KS?($2"8^ MW;'&-2JLTST#+0G;N5]'!=((/DGB3\EI?=%AVKY0,T@7E=OE,7-;ED";B7XJ MQ0G;+FRA&]>[+-&!]V6V$K>)(`^*+J,5\;(U*]"'"<#&@%LV%j;"=*%I*#FE= M*8CUJ3M5#)5%%V8UQ: [$!,#-2'C1I& M&QVL#;4>U^$KV!4+(9!,#'16T3%9#N4L"X3;H,Z_)RPT22D<%W:F1C4H5 M\H"*AQ,$'D -+!M,BR>3@M2L,3' $"X7A:"M6;.K9;C",2@%MP.V<&00=N MY|TYX8DPTNAIT0DV(2EHVL(>S_,M3N*D[9AL;L8$P422Y)^25H.M+N?-:&>6 MG*[L=X:6'+!!)(DDYFE6;]<:[4;#KWQMM6&K9*6"COF12G[\N%$?D+#+#3E4 MG')MN%%D55$3\TG)R8 =U>AIH2VP18XP9B-HL54TD4Y*LKLIO-HM^CMCN*P6 M\|+(P\M(2W12GU1E!IFZV|PZJQ0A*;5&XRD/1!,3X/&X \,R;W+LMK;IE"U{)M<"(J8 M@6F'KS;K778H/&-C11WJ!XNXKXFIZ!-U6JT#Z$4#$WQZ//=U6(5IN %'P6) MVP7;G]8 34A2=U<N!BYM1{OV#Z_D)I%MCB?1:Y6A_,:+54VI$4OK6#\X_7<+M+B#5L<6QZ* (51*=ANEV.11.SM:%9J-G,:11,^,!*BT%F?0H%0#0Q6_QD>=UB_V^_%-#E;&(.4%15U M(&XI$2N&F'(5HQOUX 4/T*R6M 5+U'5#*T]A$D+5OE.*QO6""^:!$M4AT1T%? M:&-$T:H2H4O)L6AB"D9=L\\.0%,-6$U,@M';K[KC?&,"ASG;*U6X;SC_#. XQ/(+)TY+G/!JH35D'TR\#^O' M\3?>W#T+(C)^U;T=MSDP[>#P$/OX, 3#GQ_[P W)ROGGH.)P"XP[^%)6FKFWZ MGGKBP|.+N='V@JOW%_[\=6;|.J:7SQ21 D4@WI',(E*A"/@[]NICQ$P3F6^Z M+T5DOBDMBLA\4THTD?FFE"@">8,UE"GB?+/Z)R'Q3&C01^28Z4T0*%)'YIK0H M(HN;CJN)#W) {W\3[SC=JP/5-7'2>BS!W:LAXGE0MT\V*;)O@E__WC?CV1DB MOA/YBSYPS'^1%]"?,Z]:.T9_F+LYSE)4Y:6DUTJ7Z=>P%H'YJ^>21]UX^/7H] MP<7S.4=\X2EZ_X3\HULY;V!|FKF0|ID-.W1%1_7:IR*QYOY3SVOC|ALPI+CNXA/!EP7?1\1^8"A;6A1"K53+5=T?-M1_-ZEQI;\1ZBQ]>5'"D>0YR*NE%->P4>&|X 4'&N/>3< MMXU'2BCS^BWUM:>9*/K[9[+@%=|^8TS??!8^IM82H79^Q(VY98@$/.3,>9O-M5Q)[[JV(L93B+QOB]N=?,BN;/IA;1E[!NJ.J5:OCV++JNJSM>B_DHUC0X7SL M\K;%#6&1MR? KP;"!6\<06(9^_~.L8AI9JZG9=Z.N6+/S143FX2S:-_]WH)U M89{8)2B&ZE-9\2LR5&]^K% M\3&4.J8U18&Z*R6P'F"K+'4 \8 `&%QPG.6]#AK M((RPG2]7@+#ZVT\4>:.#)UW(I!? =B)C/7;'=]K[G^L;NJ.FW7E+XW@\.H%%ZV-MN*"+#](2#)<##65+15E!("UFQ"E77,:#(WH#]T>V916O:XF$G'MG0<".>$A_M+K.K/GS)Y3#@%W)IK M ; (Q7)IQA/INV/=E@JL6.9#Z*SKFYQ]@\IH2G_$NOZWN|FCVF/:?OQO6F.(*/ MVW.+;[*U"B^L8!+A:&]MIO!F+8CLF?IV$\$>8/2$,,"E%W9FT-D&G7(4X>,.& M70F81KD/M]= <.*_H#712=06(9^_~.%9#%+A'DZ$C!Y6"IZG(EZ0Y 5D\:8-,& M&?6BZ5%RDNNJ{ ET=L/P@8-#FJI=78YB<[+>269&GQG|#1MJ7!,-/1C^=85>]Ur J-0V^3 M[WZ5/$}-LIO?8IF& MSU[_GM130D:A);? ZK9V@#R>%*MTKBI1SR MV45YYBSF/+(KN'#M^4G]92VRV\'DTD1$U1';(T+XF07XK%C +?F-S MQ-/K2_O[T||G2I>'_^2#KH-K0R5J6@QKI,"1.WT=%GLK;VCR1T86X0^XMD>; M9?8FV_*?4]5ISV(WYI9_6>SC%O"GGUL&=;LG(2.7DV.%>3&OU=HEAP%,[DW< M]5KGYN#]$U/TL=D1|TERR#SZ@%/O")LS_YCYO\P_'@5//*=_S(^8\LCH6S4! MLJ[")DY#WX8UX '>1%NO=6X^X!]?F1W@'PD\\H_80QYYZ9EPYA^/E@[@EOQC M,LO'W?K'SZ*(Y_2/JX4J9K1*OR7X!<<<=\0I7._&$=*;&.NUSLT_,KLR/N MGR/0>?H!AL_F'^^%77AQ#Y+%CV? SCQ^&#L_I'Q=BOKE4|@EE+$-YW78ZI1V MXPCI,63U6B?G P[RM>EYC")Y %_(2^|S66>8>WERE'GJN7J&54FQ1[04==>E MQ_;;/O!;LVPTC*FC1\U45':C@J&!)B7+A9+M(E%C=U3XXNIF[6)YO5/Q6.C^ MQIU"\D6>K;0;[4 P^7*D=[=P#.&TIV-^\H]>MKI)4_%-LG5\V=_&>]?V@0" M1R0!HO0=RNI+F=.7IW6D;)CJ.6Q--_JQ=K$9D0$/TNNRWO+#Y%99(HM,B49 M*,>0JE6V$)PW?!:V\>J(0R:[V"+/D8+R]K?$1..(+HELUP'3E@6RM"JP' M;_B>0,Z*%7:^QLL+4P,&> (Y$D)D!HM0 ,WD'3%|HZHV4GKN'NZGW!$V<>?J9O6=KP#0LN,/:.IN_D8MV'ON7WZI8M@<>X?]P5#R*Q0B*O6K^%3IQ#<,R=E ?8^.]$\|VDI:C3Y;I4O;EXI#U,;=5J!0*7&A MM@RI""*I*(12==PB 0)RPKE^J"%WFK5(0XU|Z8M+C;\Y0#_1_D:4FU:LAV7 MX:5>&JJ-FH\|Q(PWX&_,+;SU.6!|Y+A_,>S 7WZ'#>E1 F50[G^A@4WJ9OQ<4 M*N/5<5N?; (6E.;3:TIRJ0(TXO %%3E\|QV8\A,S?9 `.|111/5. 4 ,H69-9 MC3I<+ZR.@Z"W()$B#SP.@,_(5ZL]IYT1\B+C_08NOZX!E4GA& MCYIRZ|,\N MFH_R@NMKJ5Y[|D;P1 BNP4W'T(BK- R6$:\YJGD%%KHQ\9*?DZ>PN/#/HS*#/ MCMA\T] GK5)#6(>+D"MS#E2K>'-M 8X->D]N\H>F W#8Y\ MIT"'3D)0RCMD:RPQO*XW^MU9<';TPR5=T MD$Y5!Y^@+W,SW9(L69?.J$')4Y?1)IO?(P4<F%(+%H?IG8WTR M=4N%YG%RB!\?GNX$EA(/#OPQ.?_O==V*OOGYW^C+8fNRJ4H.\&WS0T^>/!?X MG$?#!OJ_K)/[\|RE \6>4L?T4$,\Z'7_]?_[_@OZA63;M)T?CR[VV: .G;>G'DY?&8IU$GIWX5^[9]V V$E.Y ME+,0LPDI.'?(5&?>C_ROGV.G'(_"=O6X8+&CFI$+W:B@U=_.,B_7AV:L?*/(=-M<.B6T8^' >'(=XHXD8;^6)+8+WW\5\K-'>#U_Z??9E!)?KI%+\T@U+L]5(60*Q55QBDQ1$2DF2[H\|L_^M15*TMT4.<;]?DOV0>J &X#SZ!%C)K@<9+R*Q5X_DV+\Z_.>=_-T]@WWBO4[.8&8 MDD=I24KX8[6DG]3TE8;.+;]9:>&^71N<(.M/3:2!Y((_*TZS%3AJ%XLBOT1.NZ4$-X;[2B8+6!$(\O7 M5B(2B*B8;'2DA'A? WO&^X*L=O]5K0A!!,2*:%.OCHYG>G7'&;UR2/191M0P M:J!-_$|)%:DT9Q5S/C-ZA>5DV;/F4QO5(LG$Z/'=AJ2<;FL$DP;%ZM.\|M^NA MH,WDZ)&RT]P.Y9HFD,)P E&*I?L3T- 'DZ.%2=ZMC"U+DI*:@VG.IC#A6W"KQ MIZA,&W';:00!$$Z-7B]5& M22T:0X%4@]YHT>HN7$$3>3HF;Q:1;A+:'>76A7F_S/D-7[\Z9+1$>Y$.M- D/&*_1+H,VD2@NHT::D"K$VAJ2S4R9J2!6W_1!-J'13FHA57LA7 M!7*\AORUM.*M/B|2R9Y6QNVJ &,MBU.1.1(VK? MNI/Z=")[- 7:3/847=8P#>HQH.&'Z, [PVI2.K#0@FNBIHC8GK0V[;\'08%<= M+ERH0D3C)Y,]M6NU17FMU)D|TI)L,M"9N5RITQ M5 V#2#(YI 7$GR-VU2L+RW,/8WA_M-,FC$@EAS23"'+3,*0M/*'LUMEHO08.1 MP4>2B2%13"/KRFN'9C*-BTN>QC;2V2 M3*JI7;6M*,^M,(*_A3VO/MF6_+C1Y)ADB"N,[:J,"DNTB73M|KJ@= ,OGQP3 M.JB[;7]2'QCU/%]32';>;LM ,C&FS@2C_=DR[*D.E/9A8>6IY'}\DQM3UZ MZ=-.23/8^D(7E1$P.LD#R82:.OT&WFWQ)1JVZB.FLZJ5N?!HR='CR-L.!^6 MR1(Y2_S?"29\&5>?3(PK!Z^ M@=4%VD&IK3.4QDPDF?!E8[HS+X2*SQME!@UEHDW79!1\>L*7M4<0MPN0(F0_M&^M&?^'U!54??'K2EU5465O4^Y,NO.[A\Q:W+,U--O9-3"G:.DP;VW);$70I M\B18AYYM(>V0+_"/X5,A6R-(E37(-=5 ;6UL(\L B"!:F?SE:>BVI1OLPVYBU M636$U_*&CQ,1)F9U(*'<')&++L-"KS5R_:)NN$\;-)I>?9#)HQQF7%X9>1-R. M6)0; (R;]I0L;STSN+]5BAJQ!:IU%H$0L;=[@'Z##1 MK!<6B%YUW4&B">N.H)]PT8E-C@E(F!H;#^9$V%D9E(Q0#'O6K^%3IQ#<,R=[-[Z M13/H\$]2N<%<![K7FEFJG[B_AZ,=E;5.G/R[: (K;BP08[E]E$;T-WF"\5:7T #]GBCMDA4-O)1{(O;$E0R+&B MN5-10Q_"D-ZC!6?9UX!H8H&ILP+O:V;=)NR+9=]TN.!NP+%H8F#!-"]HT'K* MP.T"7=GB3GDQ?C! -.$2N*K*5JWU@#70ZKJ 8*5^"VO$K2;'M88:M0*^0"E8 M&C<[CM+9-2I!)/O"OA0!]KT.J6B #6ZTG:)RST$W!W3R7%U5YP5[:$MRFC; MLC;J.(@_6#- -#&NXJZQP O:*/0MES,\34=5AIQ\Y(*D^0%5N.M>;4$62C M_.!]7MQ#UXX9]PS*M=R!*@_;(LS9I2>$GO9QZD!+L](*K]RRO-DUIY.H_'K]\#FH ((/ M0@(X3M[#>+_#G<\NMPYX9Q)-]IS'3SVTANQ!D/>1-#'B.TV^=E?Z#$'!\UKX= MM3DS[> 1+WG\&0(7>3_VX' 03<*;X.P!AHD_^%%4FKHVR/=\8E#V[U<#Y'Z%-_M_L+4OWR?BV=Z2(5>B_.Y5Y,Y9(HXFT& &Z),$1=7!/R=?)4?ERGB3(@OJ.O M\IHR162NZ;X4D?^.9:XI#8J OQ-9 ^)H.1=":9:T]#(A#R.YZ91"HT'\1U^-;U@ MIH@L;+HO15#?R0ST2X,BD.\XDBDB!8] OU.9:T]# (LCO1+99'U$1'TS:\>9] MT'DXQB_/ _V!>3CE7W?'+B 6?]$5]MB'0H7,6\W!E;NX]HFH.\"U2^.:1U/X6_'5I MM7_58YP&B(KTK0Q0#'OK^%3IQ#<,R=[-[Z M13/H\$]2N<%<![K7FEFJG[B_AZ,=E;5.G/R[: -[5[(4]R&G;F5UY>72H.47RI\?SUNDVC_NHX7DUR.-?[_$N^)# M9@^L"/=.3I9G6PU\-/Z6?B!^DY?]\I@EK9O>=G*,,KX]W###%.^&E;3O \S7 M)S':;^G_O"FG'U M65]!G#9'!3A2E!"*F*ZM ,@%SK\|A&1*S98^7GZM+VY MZ7$2M4,QO@P[N6;L).7;W1XVN6+K4?;IEC)(Y=6[N3>#X\&[\T]_2&YK>C:;^EB MJZW2!'_+%[I&,MN^Y8' Z2"5]2 X+/R6'SMS%D?'!=DU0:2Z! -;ZJ"E%2@ ML SR0*(<T6_5E_FBQ%]DI:7016)\|>2##A!HZ1 7K_S.T6/.!DS^>W_P _ME"TZF3'SA=S05=LEX'!* ((9DE!S.,=8=80I,GXC,_U:L_HUE=L9]D[Y1/ ((M*5L:$>O MG?!%[_&+Y?&W3HR/GL0>C-#%!,<,"6G1+/C7GHQ*GZ^]\|(G^6OM!;W"\AUM M;KD":]NR)7*3EB/$>5SA:(,]366D/0!Y 7_R^@*Z=*2=@LCC)9SE.+$W>1$L MY:H\1E?U)-U2%4YRK&@BW(-[$%5*;J!.'H+#*E2P+&2@.)6=3_]C+($K<5O5D74WKG@2OI?)V2LP"#<7;2NW45T/E$]*_NA$ MWSJZ#*HD[>6 ==HI1?H<9+Q3(NI79W\?@,_?[%.%53BMHC!^%OV'4[U6K.M MN2"I+L%_4T';5==UU>5YW7;]R\[_+4@:N;H"^A>=0N*1O8"W%VND!?7Q8,7I M=7K,X<[0:F!&@CHMYX,H"?!F(XS\N%5(7[;^6_2[%IOY4Q[MRF'QKN"4U50UH;Z]A,[(0R@(5ZWSSWQL\\S^MR3/I9,=<16 M.XE0.5_BQMPR1((>4N:\S>:+!)*O1EDZ- 9VPM;K6AGLT'-@>UDL[@P8 /E& MF'65=%,P73&E%.!A,6Z0TRV@0TO=KX!]^8Y=;DR[5!5#U#8RG?D>327N94I M6=?).TT?.G"P?-5; MRX@Y'$0IV#B70B"W%? -UZJU5'+S+8'/;90=YV!CZR MW00B 4 W.O] D"<$W>[=TE)!<#TR-)=JOW%LM"Y5@ST^@)>]X6668WB>BS;]N M!2\$G//UUFR3]L(1_!$WF#4Z\K@&@AK0U++>?!)RQ.U-SZDPCN_/8X%^JQG=[M/##CZ9O=ST#;G&W;SSCTUT%G^X*:,/B?'2@UQ^));D&)$O]B=AD9,&I&:U MQ!M3HHI;MHQIEC'-KF)S MS)AF&=/L7O;&(^,UY]S#RI]"77/Z'&AXTPLW>^UA(8&]C#R]3WL*OEH,97F MD*)Z"NAZ.?D97R^G;L'WZG5RSNXZU^%U]!;M,_^RR?'6_+T3^I\5XT&X49+H*M^HX,12BR+(.$G9 M&R%D^HE.+=7+ 6Y3QF!*43V;&V*6I!7+NLIU>@"NLG5ZU4%"VBI_9@RI-,7'-M,0J2VK5Q"D@DM8/-4D1EQ)V/(1^171/PE.STG-8;#1HM9PO6> M,B&W@5QS9I_/T:GG3UW-M D7DU,3S9;'0'9%8UR@VNTQT.G2HVX,1\GID>(M!YI%3IB7/MLA[XDFE7F-TP%&[S;XZC*/,E:K2D.HCX85K$Q.AI5B;/#D>PS^-M*%NE/ZW^6O.M0[UP#'J8?Y/5@?T@-^IW(MTB+_D%62/1JG+I.04[#\2*G;<9E)?6DL6;DMC(N+D86=N.YRNTZR(37808+. M$1UZS]\FB.5$UA*7FJ6BK31CYJ7GQ/T79EZ*S?%(GNCOK+UTC_U$I2=/__RW M5FFKL]HH4Q- \IV**E1FZZDZ.O'/_%0.(BW-XT596IB#I@C4*W"""4UL IQ<5] MJ:Q8[=TS)4]:K#9S*5^_+S!.?:Q=4[Jj.=SH[3Z]X8E-Y8MI5]_M/\Q*7DQFSS// ?ID)HM2CT@5#(K5E;-- ,J.B'MG#_)6%FFI/<^;STT+C MF&Z]+[,&R4*5XJK?L,G)D?W$G^YA+8L>/48W);@+]PZWOKH]>]O#8/9#??M+P M T$D0XP44TG3!Q<$>FH"\OA&?//7>U82*=Z7VDU-8TS?DDR? WRU;Z529]:YB(63DT@N32Z]@ ME9P!=]_YYB###3'X?X.T")&=$0RZIOM%.FS=UC@CAI&MSU.-[SS8PR7M+P6X MPDG'=PY4X(+V=YX3_R4=S#E.\[?N0+.3>NK/8-E)/3NI9R? UBY_44^XISW*<-M__PB>[#VO_U;.=(:C_/>]R'N-*+HO3: QG+V?W<6OX]8AD[Q!M\)3D M: [QS/?$5V$9V39Q@9IL7S&,XZ7D.,/Q,^5Z/_L)\RI?BM"TY1?*D?Q\S@4^*_>,.^6DA^ M/=+FYT8\'L/SL\]^L;&4<9?QI2_O\MX?E922!H^P\]$N:JFF_*Z0=42]ZG(LD CCL&."YTN$U.^ND/&Z3\/(W&WIST M.)E&[A]0TN-X\5V&C63;6=HS7G]X? A1UILOZ\:*;FX),WA_\/C(;KSNVZ=N) M(.2V4_I*EB\Y80YYR&6I?*^VS/FI,O4BJ(C^R;FQ+Z?B"2:$YK3ZI0 %74' M#? I$2/>TTZ;J%8)&U>N@8@"7!;O;K7'SI=CE100'N7H)_('&\0<$2Z;BN=*_M5>E[K'_]N7JOS@=\+%;61W "_*+SFEHW2,W$T&O$L%T6@EQ6F" R B!W K M=G_A9+R9"7PFV>$W+F=](T)88ACX4K#DFK2\2)

*V FA> M=;6^7)4?YWXW>3[MGH=:F&[MG!U:F,(Y./MKR+,ZL*R0^5E>.GZ>/7N3 M3QW/N<3/0>Y+|O)/%CQ^-AXP?G5!7R4A&9PS8](A0$[B$V9.M\#IV5+WQ^]*

MJ^8Y=;DR[5!5#Z#)RG?D>70&S:U,R:I.9F(:U_<=TA-O"9KA#D82"W4.)M) M+,.1] 9XI\$U^8N6+!HRR-,2WNQV$XD'I1 #/P/.#BF>$QILB-*9O%JZ #7EL M8"> ;,.QI0N!1=YS7^8$20TM*KTDLN?IV'G:]G6K5BU^\ZDMN/@,)%'?^V|!S MPFV@,=.LR9S7EX8JX;I17RHA-.%%@ZEO/.-TQAZ\.?;@%4Q+&]F'IP;LLD60 M IK<|:\&Z,!L$!1=2NO+AYNK MN:.+T%"OPF6S%-[%MLG26!™FX\!JF]\F7|>F6 Y:M23G:KD-$FW#ED\)5H_CQ=S7AFJ<;.0;)31GK*2$\7&-DQO4Q&7KKMR#5>-*

!N%&2Z"G.AM=5O=Q55>5;B>X6A%S9W@4@!2AGV0.%8QBK+6&6I@$U3[<(R5MFMLLI2-0L9 MARRSA(Q#EG'(3@_Q?2 4#9K>S,!+,XE3.S.=;?I,R^?Y*!0%2-]-L6CZ&6/K]%A:T|) M >R3UQ+H^Z6:62-72"A(7=%1S(W<*'49,1\GT$>QA$Q!GC!__GV[CRR>,*Q M,G]R,B3KW:Z@A;J|K5\;&8:_4>?ZO:UGSK4/4< M@Q_VWUQW?=OT119_Y,#]*

[ARPR#DHM@^>]U[>.YNCH"N[Q\LH9/;WA6'.G\ < M.2V.9 ^U:>;T57##UMKVAGBI+;BS-B?+Q5YA.PE$^F %E\!$I*?)8V!*;K@ M>;:O@WIZ+^%B1GG/ZA^.7 5>$K#W0R6I@% (]QT)ORJ[:A0% B'K$SNT=B.F86< M@O]8E9RE+U=+++6-9E+SZ%]6)%G7BDE@DCS=Z76Z\A,F"5!@R9@/7*"VR%NK; M3P!&'C \RX1WVYS%2]?13;$O.<5Q_8L.Y-WON"?*

*5#EOC*7(L]/ISK+T0=PI> M/K(S^>OAG^"6BJ4)BQZWUB;!R7QGE;82'WD5\!(;>R&E;AEO.-QI#O)?Z13)_XE,\ MM!NTW!*

*[;1@641H32)&CBPS4XQ<>E>B,'@")(4MPI)K!^",=+W!Z<*5"X-W[A-MR5,Q7H%GSYBT]S#DDR=MO(Z5?I^0V3D-%J[Y=6>U=# MSAB@62+"]QIRAE!D"$6&4&0(18909-A%AE#-H.*

<72=,J[#))/WI/?5_7^*!OQ(D;2>KIWO,EH_M.Y?^<QY'OA5#MQD\.OVP.OS)EI#,LVB!?QO'<88HHIY>ZV$@3K_XR\XV453= "\U)Z0!8OI8MY_:0X<2@>$?

&)F7O.|_^A6SIO;OBM9BON0 M4[>RNO)R<=:8G")YTK^/F7?XQ+IP_;/>;.K)KT<;,-I;WU9]BGVCU>/)2B MZ^ZC00CH9R&$_:^/1XW2?N7[&=3CQ7 9L%R8"-5 M@6S;2G!]V#*

(4=:,;+^O%BE5N"-[X>R5+?T5258/WP\NC;B0#CMFL+298O.6$. M>V?VFR$!=)@TC7"#;0JYVD/[70"2.Q7]()/]/SHK_9,5_/EW\]Y^I\P,>R M^I[5

1P_+7!SKKF=|.1C!OQ427:N]WG873!G@ ++]/D>K|I.9P&>]JXP:\KC2 M<"LE T+'-W5RYM%X<3FT/-AKKE ZV-.IT93ANCP:C#5@#E0WWZ2-/Y 85A6 MOB6GE:RYQ4+Q1\T>-*

$L:=[;I&(Q2K MY+3KMX4VOBMR]"]7|3X/W -HST.3IRK2G=7G^2O<>%_U>3*G\7;]\:T@DMV5 M-)S#*Y]H#E;LJCVCSE5_1Y=+!K!B=@8HWEWD-@WW|B-/| PZ?R*

M$ED!G1I$7!+/A|\T8F^=70Y"MH.5J,>1)CK1C-K"FR/ MOQ8D5U5 _Z)32CRR%W#W =-9H@5,1H6U5<4"#9$UJQB% R3 W3'X@2),B+G? ME0%E670N[C/ !'T&!>-YR$^ICMP/?

*>KR?-I-ZLTE%4:L(@90RTTZ-\%XA%44Z8&!M98 V?:C;HC5X=%;@&8M$8 M[\K4U;C)"&<9X>P$B-Q|KN\452Z|RT*E&:\M*

MX[5=!INY0Q/(N%0IX5)=!()}8+_SPF2]A_U2N4O?Q)-ESPH6X]$LBIR+!] M4A[)_.?S>D>!K3TM!3!07LO>7_+E?!U^0$LJ9OU#&E#;9_GHX'%V?N)_-" MXR=,WG_?_B,+*

(YZ0K.RAG S+>K MWG"LN5,46(Z<%D>RA|H0<[JBNH7"N_'#K-,&V4)K{1182(;5R$,@AZ*Z%$X\ MD/DL?|Q-\?I.6U3W!GS$QVK|G--'\+I44."[56Y>YM9"KS^U:6.JE*01#QO$

M5G3W:-S%S$1.P6:L2L[2EZNEEK$L2EY]B!)$B_K\8\!WFNBAOBIW)*8[>7_0@[WZ:/:EVV!I/-MD>-H(YQC[86X4_#RD;W)7P_RLW H8DH?Q6&_6.]E@3]TA1#&G_7$5]1X4NYM:-

*C6P, M@W6!*U"-ZI[R#@6H" 'TCX5%XDH[VF)&*[<%'?%=N1,QV-3 ^.JNU]M-PRWG M&XTAXD0(ID_\4F^&QO)$(0)H4D:OBS X-[:MAAN?Y,%/E _!)Y !Q)W@<.;1GP*

MOW$6PM,C<>\TP9OJQEO9@O7?O17X_@>JN8D&3RNEZP0U#:V;"_Z M=,^.EJ|D1\=D5OKD"L"""9+&/|72;; WY<4BQ_R=P>?1SWK=/SU_SWO^R]W#LFV:3L_'GWV MLT$=-('&

[EM3H.FC2@8DS:+/_2&9@12ZCT#8$\7JQY/3!W.0R_\K=_@_F(/$ M!"ZE+?1LF@Y{!&2J,R_Z31R6/_XN=O!/O[3=&"?ZX:C142\ZV8'6?VLWUH9G MKWZ@R'<2K^3HQ\-

*P<"3;?A^DGV<4+P)_=+&Z?2.3AAK#W+1.6 GLD!5\/BE-ZS0'^?ZI=F4{JW%/% IC *XZ@(MTWE8Q"E\)D9*D$&D.0|<#2S2,*1M^?IHZ'D?Y\@5P1W++:;&WF"K[HN/2-3OG?`MGRY]HT-*

Z"O-=>\9[KQDVH$XKCB6Q0#4C.17)V,=1!W.Q?U\&LOINQ@O6@3]MM6A?Z^|_PN-&|-_IENDJ>D4IF!%G)++P5,21:,1XI&@947@>Q4A8GLU0_##O*

*MTF,X,\4'&#$5QY;0GK<%?]P+(5GDQ?CB\G=):.#OJJ($WJQE#;=FB2I[9,#M1 MX).4-!&C),,LH7)EH=[$"EUNLFSQ(B;"?TK"(38835:=FJ$O])*8M7&'_&2 MB3:'@]:*

*(E.\UGO[N"4321)_2N!+4Y GJ6U)\&<*3/.-31*,!X;^7L /4]20>XQ(8?.3)?ST.?H9P%9ATM=6TO(/SZV0_]RC<1_O[B5^"A-X=`GOIZ|\.16 MXOTO[CD.R0>]WD[P M>&1^,2FYK6EQ0-IZOKI"?ZL*

/0#HXJ,CZPNC8:M3]325FG#2? M=N/5%2=:|'240(8H&;.)Z"WZL@5FZ'.3YL-MT9<;1O>'E,DUM4BRN.JE.&I= M#&+!!<=''ZA,%/4E":?BJ/7&Y#V#B7]I'^*

*^S9@H4__%TP=#@F_\8&!T:D;G M$QN=+Z598$I,GPX O<2QBE1:Z;*I"F'U^L-M-#++*I!5FE,1.[3"9N*$N\6AT M#DSMUS.U7TH)^3014X2\47J487.2,!B(1G(E& 1\?*

6G\$[ULEXZ^(EQZF-A/ SE6B#.15@YLQ$WJ-6EA!Q2-)G\^^-.-H1 M^5-!*4L(%4#=?+4#%YQU!$4<#=MK(^ E24M4?@<^<'T$KH\OY{ZBWIX;.16 MXOTO[CD.R0>]WD[P M!:0-+/T;"-$}+ZE(FM35-

*I2P]4G#E2(-A7%_-U!<+'E)1P!! E?14-LO:0W$$&\8P Q2W@/S M IG,^Y<**S"(P@[TEYG!8P+C CM:S;MRPDQ6LFRY8K+I9*9'%5(;:A@+S?I8 M-!ED*'P0J_YU;Q3.U-*

P7L$DA2;J0)$_J@[%@Q":I(O$81X,1\, J?7*Kl-VT MV< .#:S1Y\/5/[!6+V-_H5$[\ 4-'4 %4 R!+!8I) T>N:&CF:$BP=!W998[M"?O^$MAF3VZ;O5", .^->/J!9500>|.;+ ^6]1=8DN"R8

*DIC(.K3'J,ZP7VR7 M7;+!#^'!1.8//KLPNQE&,%+HYHM/SX$*L?33'>W*$26 M4V!RU: G'4R\1A'9UE!;"!1_M@S@ZJ'2.G.X* J??WQX*O#]/ZZ_WXI'*

*MK^LF>8=S89JL3SAH:V&"1!:71XX5M*1R(.8+_&O7;M!VD[YP$@= M>=G<=%<_802=P-[)-AP*+"C\R+XR'Y*.M-7;2;%G,Y E[QC'R>#.597N*I%#_8-.W%+_>#1R!SZ2U_.1?*

%U]Y'HD'5FU.M:SHPK"(764AELZ?R- P2;/*_,2'#:._FD<$PD:WP(=I(3YG2. +^2WEXW$# M>.Z@B3SX<-]/-+4%TZC.>O,CTP;HZ,]S>Y6YD;&D4TK5$2:.;1H)L&1TA339'*

*M9,)(\D0'+I_U4]>DNQ=9>5\I?XEHCM79 "G=-.6NIEH.B8]\)MER=[F'S&;D:.MO3#=0ZV&'I/Q%\M/^.\S3^UP>S33NI9%Y]'E?6C6"-(VF*C9<*

*MBDI;'"3GHKIG@kn>E#]2@F:,UE_TBQ+)TLV*U)64^***HMY)=RP00<<#Q\|T= M'#>/)I4[.W8>?=R7=OQ:0+REJ%=CN(RNQ)?T.8|[2O0 ML'1AQB.WOC:YW%LWL'>##*

(,@P^"&|FJ#M_$HR(|&""M+TD%U3X;M/15>T$;.M@S3),?WH6J;CNV0)-#2VU-G +2(+-4Z$DU1@H0:I!4%]P3TMS#^EY76|LHKN

*MND6>ISB)!MK1!$A03#*)E:%,FHN$X==Y:ZPO9E&<#A>@#<:A0XW#=(%R>_WC MY=E38%9^F=C@C34*78,\7#1RNK9 I,:H8M4A-++L^^21'FC16M;[*=<=RO=Y9-MK--*

\5=Q(4+O G?X2B3!)G0_F#HSQP!A_,4]L,IP!4)M=A-BNL&D;_(BEFWI M5KQEB\84$2H:3D@DP|G8|0LTG]>'$33]#X+VWRYH'S3Z#\+103CZRTG_! M,)-4H-*

M0#_!/!S@e5^6:ON51)IB/"!|:MVJ9V61A0MV*L),E0GH'(4,F<@Q'2]H1PO8!0. MAU2 >QAJDPE\+Y0V@F8$0OJ>.)#^'=1AOI0Q[_D%5UJK4\RFHJO9:R ANYV MC6\CPKV@+QN!9(!?*

*$YM5>H\836[M6[+8'XC99T=Y5(%X>;05:=Y*8C M*N5,""!H,G#P?)GDAI?L-?#U2PSO3MGO=LT=%ZOQQK"5[Q"K27EL4%.Q5"]O*

M$(E#/246CI+G/MRO/;G1]P>$X:.$>#,T!G"ABOPX]&L!!G7@$@G<.8$[YT\Y M*V.,ZI,128VB+F,M9P95=LIU"D1!K$)SK2IG^J,'\=(+')'.+O18!DD"5 -)!E.$#>L@?R.'")PZCS!<9^&/U*

*C=;"2U-9PMV;HRD9 M'_2HG*8_R(JZ-(&DWB](ZR55ES-F4VSD#7]4U#>(/Z *REB8)CZRBKZ =^=# M]0B@*9-75XQ>GL>=I_!$(8F+FH6:.CZ$!?W?6V7E/.!@CV9>!P_0?,HRK7)'*

*MR,@T$YEDEYUJBAXR3\.[ZJ7DKK6-17E.4J5L Q2'QBS%(,Z/+=)M8.)$(4G:N MF++S"C1^:*0OG&Y-X=-0L[$KMTMC>LI9/-IJ;5O+10)05RY>"8F2(2B:8>DX*1D>$U-Z*

MZK|8F_$U]8**3-#W(2@1^FHE0N_6T@>>#$<%A> M1W7G!G,X5=8YU'D2"^U@:(W7]=&0:LU:?+5#RV4145QF-3#L#3]077 M0?E!0>:!9 \4K),0Y\,Z8H^\"3DA8GDA5PH"?"@)'A

^/F3 8^$-(79YQB A MNT58)I#'EDH^2?@6:EMC*+$10U3\6X(4B!@:%#Z$AH#B&K [=WH9|60?7%N MY3!I'XA'(-_HQS|"$H3N&P,%T)0 M\7\93"!G,!T<@Z(3VHR2,4/

*.@8=Q%[>0)H16]>#*6((&E0)^272-K$6(2%E M07/B-CHRB*0=Q@H,2'AX[TT7=[K0+*2>PANZ0#238YW;?# M>"",)/C[AZM"VG@.4,&%@X03X|(@E#&RHNB_&\%-T1@A;B"S.9;-*

KH"+,9%Y4O!U$ MN'AA=?+2%-CP-?-?$N)Y MPFVLEF|MOCEG> GXLP.|,) A=NP*.H/-> MB/G??3A*70U5\)7$P|H-!<@2>F^.52H9_"7\IW#(L;4A?B,C!#X'HC/D/=AQ*

*M^[L=_"\GRJI:6C400F>K"CQ_I/M>#ADK&%;TS5$ 8JTA0S%!/;D?C9 MCK8*$3#LCC? U(F2C)C!J]_+Z".1AW@DR-M9 JA@1YZ&/`;13]+M82/>?:*

M6LE>'XZ.XD@O(9$^O/_9T.U1"^6#.%O)P+!5^.VTL!953!0C5_D8(>D)M4-H M,*(.10$E>"3\:0RCQ@30M%)Q/- O;!S|TGQ5%OD\A+U'&?U:PE;KA.YIOGG MVA#>)K5!K4?S

F===D6=7K$ Q'i\%^.B'@2^0B(L[D)VQM)O%CK+/H[I >1 M5/SMO*QUKP>9KE7G(BA4BQQ=½(+U71MX"-<.Y93$M[J9R..#AJ-*#XQSMHE*

MFF/IG;2RL^VEV5.:GP@Z1MTN";$K7F"K4C/)2+4MR=:JM!A3/)I-IX\NL%C+ M_?T-MO'1SZ^0\%UA-Y,$D3'5KG'M&+W83?58:UEDH"H,)@@"_?_\&@^$^:D1 MG'"MI6 &!&\6S>-

*<>C--;F X/-$5_A8-OC%"BG_ZZVR2UHV?M-,O: MZN5MSYZP&;[YXY_DVWD79(_Z(+VAN 7[ILC.RW)965K]-4>ERWID)[(M^C([%#RM(-S,O#*3D5:2({4O)&5 M'1W%KGT-*

*,9NH\#EQP!!TMEFH<*M$A(\=7P/IV?0,5XAB:03W@GD/8YDS34>Y M&1VMCK"74<4VU",NWDF,;`,Y=$2O<52]) "\L>1{1Z.G%62G^*\%*AV<10. ? M:RP?,2<>*

(Y0.4E\>FJ'2X.VIH@7T644,\@B0PW"+43Z%Y<{LK. M.?,QNB!'Z&*CG'H 4/H8;XJ&.1.XX0 MI-]2=.0 ,TD/1WP0&A/8B(P]$"YJ3QL7I;!#*@%.<-%-],*#_^2#*

M9V)+S+'#+NT6/LPYFG^CZ+T3?@W/>>FUSC$.=A9RL^QWC;`BR@> Q3X$^X<-MBK2|\UJQA^%C_< M^QR9W9:Z/|2QM2IH%D3D.?!\'*+CT=.Q8$1H:V*5#^H6 -#T?*

*(/&E(KQYUS7A MQ#@0U#S+'+F])AJDK!#8PG?BJ!|\UL3"$= SYXOG+O"B*,X.SP"+ ^.W8,E!@ MT3B<^S:T!\FMB-%1TT4\K];K S\'3EL(8@|%FR$N*43CX('9-I<.%33WE", M-!8AX^`0Q|&C]%?#*KIO# M<4-XMKOK|M9Y-#W8|+F641]9:HXVBX^"00_?]4$);4,, M=-5?[$E%>(E?CGZ[E'KEN"ZQ8>6)VI,9C*<+C>W"!#M=>+.+JV3K$YCKG#1R%*

M"5]H^X;|NOLZ=\QA#\7N>P^[84V<@.Y=ZM?#/%]L82M5)"P%21L:0E;SYJP M!9F+RV_=-)^/ OEN@/FVZBWBIE -.)"7(DAH^U(.ZH;*M!<[\@E?H@X-?*

*6?,@<44F!;O[/&>SQTS57_0WP?|I)X:]CR<; MAQ,?!2@/)UZZ)\,9 U#1F&@X9*_B @"*^"]B/;$HR@3X+.SP%\G_[K4_EV%= M5+HD/%CAH"]>'H11512O; $M[D.[AW[- P!X'-_."*

M/&1>1-_]>> VWS(9\X9DU"<-9 I]]GX8!L^%K*B24!F3$Y\5.%M5AH5V]S\(M(P_.HXGF/9F_MTGP&7%N%+=O#VZ<.9]TD/1WP0&A/8B(P]$"YJ3QL7I;!#*@%.<-%-],*#_^2#*

M9V)+S+'#+NT6/LPYFG^CZ+T3?@W/>>FUSC$.=A9RL^QWC;`BR@> Q3X$^X<-MBK2|\UJQA^%C_< M^QR9W9:Z/|2QM2IH%D3D.?!\'*+CT=.Q8$1H:V*5#^H6 -#T?*

*(/&E(KQYUS7A MQ#@0U#S+'+F])AJDK!#8PG?BJ!|\UL3"$= SYXOG+O"B*,X.SP"+ ^.W8,E!@ MT3B<^S:T!\FMB-%1TT4\K];K S\'3EL(8@|%FR$N*43CX('9-I<.%33WE", M-!8AX^`0Q|&C]%?#*KIO# M<4-XMKOK|M9Y-#W8|+F641]9:HXVBX^"00_?]4$);4,, M=-5?[$E%>(E?CGZ[E'KEN"ZQ8>6)VI,9C*<+C>W"!#M=>+.+JV3K$YCKG#1R%*

M"5]H^X;|NOLZ=\QA#\7N>P^[84V<@.Y=ZM?#/%]L82M5)"P%21L:0E;SYJP M!9F+RV_=-)^/ OEN@/FVZBWBIE -.)"7(DAH^U(.ZH;*M!<[\@E?H@X-?*

*6?,@<44F!;O[/&>SQTS57_0WP?|I)X:]CR<; MAQ,?!2@/)UZZ)\,9 U#1F&@X9*_B @"*^"]B/;$HR@3X+.SP%\G_[K4_EV%= M5+HD/%CAH"]>'H11512O; $M[D.[AW[- P!X'-_."*

M/&1>1-_]>> VWS(9\X9DU"<-9 I]]GX8!L^%K*B24!F3$Y\5.%M5AH5V]S\(M(P_.HXGF/9F_MTGP&7%N%+=O#VZ<.9]TD/1WP0&A/8B(P]$"YJ3QL7I;!#*@%.<-%-],*#_^2 M9V)+S+'#+NT6/LPYFG^CZ+T3?@W/>>FUSC$.=A9RL^QWC;`BR@> Q3X$^X<-MBK2|\UJQA*^%C_< M^QR9W9:Z/|2QM2IH%D3D.?!\'*+CT=.Q8$1H:V*5#^H6 -#T? (/&E(KQYUS7A MQ#@0U#S+'+F])AJDK!#8PG?BJ!|\UL3"$= SYXOG+O"B*,X.SP"+ ^.W8,E!@ MT3B<^S:T!\FMB-%1TT4\K ];K S\'3EL(8@|%FR$N*43CX('9-I<.%33WE", M-!8AX^`0Q|&C]%?#*KIO# M<4-XMKOK|M9Y-#W8|+F641]9:HXVBX^"00_?]4$);4,, M=-5?[$E%>(E?CGZ[E'KEN"ZQ8>6)VI,9C*<+C>W"!#M=>+.+JV3K$YCKG#1R%*

M"5]H^X;|NOLZ=\QA#\7N>P^[84V<@.Y=ZM?#/%]L82M5)"P%21L:0E;SYJP M!9F+RV_=-)^/ OEN@/FVZBWBIE -.)"7(DAH^U(.ZH;*M!<[\@E?H@X-?*

*6?,@<44F!;O[/&>SQTS57_0WP?|I)X:]CR<; MAQ,?!2@/)UZZ)\,9 U#1F&@X9*_B @"*^"]B/;$HR@3X+.SP%\G_[K4_EV%= M5+HD/%CAH"]>'H11512O; $M[D.[AW[- P!X'-_."*

M/&1>1-_]>> VWS(9\X9DU"<-9 I]]GX8!L^%K*B24!F3$Y\5.%M5AH5V]S\(M(P_.HXGF/9F_MTGP&7%N%+=O#VZ<.9]TD/1WP0&A/8B(P]$"YJ3QL7I;!#*@%.<-%-],*#_^2#*

M9V)+S+'#+NT6/LPYFG^CZ+T3?@W/>>FUSC$.=A9RL^QWC;`BR@> Q3X$^X<-MBK2|\UJQA^%C_< M^QR9W9:Z/|2QM2IH%D3D.?!\'*+CT=.Q8$1H:V*5#^H6 -#T?*

*(/&E(KQYUS7A MQ#@0U#S+'+F])AJDK!#8PG?BJ!|\UL3"$= SYXOG+O"B*,X.SP"+ ^.W8,E!@ MT3B<^S:T!\FMB-%1TT4\K];K S\'3EL(8@|%FR$N*43CX('9-I<.%33WE", M-!8AX^`0Q|&C]%?#*KIO# M<4-XMKOK|M9Y-#W8|+F641]9:HXVBX^"00_?]4$);4,, M=-5?[$E%>(E?CGZ[E'KEN"ZQ8>6)VI,9C*<+C>W"!#M=>+.+JV3K$YCKG#1R%*

M"5]H^X;|NOLZ=\QA#\7N>P^[84V<@.Y=ZM?#/%]L82M5)"P%21L:0E;SYJP M!9F+RV_=-)^/ OEN@/FVZBWBIE -.)"7(DAH^U(.ZH;*M!<[\@E?H@X-?*

*6?,@<44F!;O[/&>SQTS57_0WP?|I)X:]CR<; MAQ,?!2@/)UZZ)\,9 U#1F&@X9*_B @"*^"]B/;$HR@3X+.SP%\G_[K4_EV%= M5+HD/%CAH"]>'H11512O; $M[D.[AW[- P!X'-_."*

M/&1>1-_]>> VWS(9\X9DU"<-9 I]]GX8!L^%K*B24!F3$Y\5.%M5AH5V]S\(M(P_.HXGF/9F_MTGP&7%N%+=O#VZ<.9]TD/1WP0&A/8B(P]$"YJ3QL7I;!#*@%.<-%-],*#_^2 M9V)+S+'#+NT6/LPYFG^CZ+T3?@W/>>FUSC$.=A9RL^QWC;`BR@> Q3X$^X<-MBK2|\UJQA*^%C_< M^QR9W9:Z/|2QM2IH%D3D.?!\'*+CT=.Q8$1H:V*5#^H6 -#T? (

SWQ_HU1)V#\/##1QQEMCL-M-[!''>QU|/>-<2K!P7)"6S@@>B^":LN4]V7 M!9@\&H'K'''''T4_< 1W%O6=4V]N=GV3-"T^T8!-'^Q-CV/#{&4?Z3X?A_D"//! M'5F!800!L8:&-/(4>AXJA).,NO6BP7_[''(8'P? @&/ZLP7!G5D%'&&4S?#8Q M+U:31&2AS[I9+<(.M"E2P=Q9!?N5V\U6JB=659&0%'.P6;1ZPI1E1M3Y2@M$ M3'NYZ/)$?B?RU55!MJ'=#[#8S]*G:\L;,]A/G]|/" M'4W(4T#@CM;(>D-)Q6Z]M>&)U0|$M?,MGSL#R4DQ8BV1<0R\F7NXKQXR2K(# MWOO2?D;.9URB$6533U?R=1LX>1/F!8Z@;H1U%#QT#!>@M]8$$^R7YA&[K1S-MF[(CNN4]BZ>ZH-O<&FY)\|?>?O!<5 4ZR(NNX1FS?MR"|Z+|\-D5Y M0@U6'4Z$2[J-5:I:@)HFO$&#4P1WV4)3=E|H>I-*0O|Z?*O0!.<:W.G@&MU61==73<7PT0\[?7*=T-NSY&O$>,](8U]B+)S'Z. MI&*'']R6ZG\R<.''887Q[H41FPK^D/?CCO*!;>]#F3W[H=DAX2$'1K$6^6('67 M;"",AC5-W<>O'<)PR>)B"A!=2$C%U:8'C4|[RLD22,62&P8]]1=2@ Y3X#^L M)C^),GXFNGB8 ^AK$/"U[Z*X[S3B7 +D2(R/?.N3K$NPD%$W'#]^>$$],1 ^I M1-O).%=?E.I]KE>OQ6)3=$'4^Q?$FZ8NC2W3FQZZYSONA>UE!R<9RB4]X0.1*[5OKNVR1>?>+EY*>I?>M>II.L:1I16$,C<>BO6;*''N@TOQ.A6 M^>5B1*SMP)(K)55<|#[U4dJC.^]HLIREYSN/U%^BNM8)4$A9-XT&!-8]f_DJ$.Q6DU2*=X!3.8B-BCK;28GK+H.OY0*-| M587E+C?W&86E4]Y6A;4V(?B4%1NO*VPGIF*%)1HH+/>O*_X#KI>.#62''7HE+ M.:.8&6#W)3TY9- L5/)>7,._ZLI=;N}f7(]MI#(=EF:Y2*]BM78Q42#ZG\3U MZ&_+]6Y$<|C1>5I_WN&WSB@.X^+M),H$T9>GA1T!)NR4C$X[N1&SN5OJ?HG| M?2\%Y;?5<@YC ;0<:,P>|[=s$1\U8V"W:,;+YV5B;=3N ZV\W7R#_&9)B M"-UQ")XPA(]X3Y4$[_%(0@=H^=3BOXP<;9DS7+1#D+^&GN_#"<7N&-#Y/W4=>P'/U3G7#Z\DR0HNB<|OX;P$4PCGX:IF\UH\-NG">3XO6OV M#6="B21.=HC3!?BP'&R1S_LI//5ZIPTG/0-OMS;.O/R#K$ <',9(0^7G+@=]#"TH6!{_9>?6CQR|H=_%"TH6|[_9>?6CQR|H=_%"TH6|[_9>?6CQR|H=_%"TH6|[

76.AAZ(XMX@:T2RA4Y+7C98-1Y55UP/+@ ./1#%[6[?&LG-Z(()3N<-LI<-MMYHY9P$'\K6M2"4MJZH86ZGP82TWK9(YT9EULZTWF54?IS:M4Y:N4Z7R]!$^LQ R.@N(O=2]Z0+-O)%*

[E>ITO&2+K#7%EJE9N-.*Y)<98>@7W;O2T4VW M/#.1(G&_DN.G2:U7K[")?](PW0$@^%_:8-GBD"_*F'?S,@G*.^Z66. MG[L&R;,D;^R]DJ^?@8>,?-*ZP)-57H]D %O?+?KJIGVP E"=/*

*MCD6NY*RM_G.9ZNSEQS_W(",7[;ZW9IF99.\6V)GZ%##P21?@ON$@L-MZ/$!\$G4Y?$!\&%\XZYMK'\TK>\K>5_)-^TK^,ES_66;9$V+_LZ0N MKRF]3?6?*

*@6[XUXS63LZ*MSTO'..&3",A*?;=9S+0/7U_]-^U'L2UWY3M-%7-M=D^E[+8EU9Y8XSV:9_-^@\)?PSD_YN/4%?Z_M:.QFUOGN9VE?YSZ3RW5*L=Z+N*

M/9%"^#R.\#':-^)XVO":Y+$*D#HMLEKHOGW$TG&P_]>3#\^3DKM7[N= M'\QJN8AF?4QJ(MT"P/1"WWLJ-C*'IL\,"YUSFCG/1IO7N/]P,P/&,S;KNE%C\DT]|]^^RWF^ MC*

*X IG0W,:5;D(?/)3X8[BH^=0O]\$6H''^NZGUC7M^%R3^$PI]_[KS\E70/+ M3N!6Q-0- MD6,;*2[6G"=RQ1QL,5.UFAD-!W8*# \M==3B#:YRF"GB="Z31""G"A:$|$_ MS*LK12\DT 3EL?*

*GVQELKL:K22>NJ:MS16%B$U;M@4)KRD<8Z>M*R[=M*R=5"0)YO?SOK@Y*^]V1/KO+VEA_=9L5=2M]>]O>RL=!]YV)2G)%!0=+>97 MP(14*)%D?VWF*9>[DU6WE<)EJ4N)1?*

*M%*NDG2[!Y*|_,&"8>'_&L?]X\1 ME[-5?7[OPNGF$<]#V11\A#CG36SA^R?&6XP]LNM9I4E=58#AM R?\ M!-4G\$,5?ESST>..EU(S/N'[8/!RJ-*

++KM^K)JHB171^SX^XM.=$RF!3![FM-M%4LP>,U2;!F1%%6[B>~<7;<8K1KL>BV'!:$KN5V(+FLG-.9SDJ%[_HB|$)'(9 MQ_7>'X8VK-AZ N8\S>VW8V);]"6&R+H6P$3B2.GY?9#Q#-*

*N9K'?[J*7!V&R M-M]O#)-;V?+/A>NUX>[3_X$5?U?D[R63?]V@4E_-,;JZ0Y-^QD6F0]2&9J1 M"S)6-LUV?"I5;G.H4TP;Y6*Z@Q6P:;;=+?R&BES/MGXOU-MB=LSOK<-LC;J[TH8/E#*

*WLU$;NH6KP2$-_G(?MCNXF'[6].]M\#T;EC_UF#R M*1*BTDV=2\/ZC;S A.%04Y33=%9I"8W\3$"=>CTG(8+DPPNY]HW.]>BB\!WP/#K5G;6V!ZW\SGUE!Z5*

%X<1]/3%C!)$=ERIBJQX9-L8B M$GT;3CEHOWE>&:+# -.!1>U.U8>(X$(/3Q8B\1$O./;ZYI*-KKO86C-X] MWKDUF)IC^(4LX4F27[_Q%ID?]>-),ISI/3IGU8\;W2=]++K3[M%43NF-*

*?(]3OWGM#;6-V 5\)JDOI^R?N2,GFGS(WE%D%VVK9,Z:-ASA;?F M'!YSS^C#1,S/P_8CL_<9F7WH/&J_\(D?9GW6,*M?^,2/G#YCY-2WR\]AEQ^M MT))*#6/T)-*

*+!&\3&UK%XJ)V4TL\)N"1'\]=*W(P!^(,D>P?"0^Y/ XLLC) MZ L6C_HLWY(_,E"XH^3]N17/?'CW'Z;'KN$^G NE_Q0MPI"R(7[0W*%V*

*MX8V@^]VAY#L)%W82V$9FJ[F/^@DJT*WT5%$6C.K:%;$RFM\'CX?K=^H?KL MJ[.?#/R)Z^&SNE^V_$GIWR],IKC5_06K\K&?9 1P>[UOI@$Z,(*8)_&KC5S\V M("'=B[J-W"4O"(-*

*S=/<]\23@!CM_5+/EWBJ(TXZL.;U@KD*UR?DTN538AM01 MJ E?KW3C4 I=MJQC"_$GM?W^H(0FS;D63B5UQ)8HZ#;R5ZI M8\N\(1)BJ&EKY"5"7L[9>GH9=LH!RD,*L)/.1#POP>*

[(4,0OY>W??'B6FP\>_M ,)S$OOSI?GFUR0\ (/G#*4_UX90S75_/B#<>=Q_8K^WBOF_,$+++EP1X8\I M(#BNYQ_]Z>P?Y/XB_L!>LKD[_\]^_'T?Q-$10b<8##M\O6> L M?*

G30KV[BX>HFMS8\;T,"U;=6)KW.U#BC/7E+?9\3[Q'H MK;?B!^HN0)\W%CIGXVD3?/,J<=YYY&O]%(KZI0? :\-TO_^=!P[SPV%^',@' M@Q\.!P!8_'"8'P[SPV$>"X>MZYR5= TLUZ4%

@.(S K^BP+W&R,YWP\A,;:H7 M2,3'"8[$4:8]^51:%'I1M":B?YA77VHO&|[AEI+#+\&G$^\GUGOVPE%5KA=2 MYC"=8 LU=K!:*EBI/O]^KOYOH)V6NY\NV7JP2N*

*J(^5R(Z51*F97.LT1,>< "M$0D2I2ZA_^,TNG6>$l;S2%O":2S%"\YNM.5&T=$SW<+Q1+/4>,^13;_CG[_8 M?=: IE\\UX5L/5.F.L\G:.^WSW;EJ1&/UW4(^B>%ZH=T*

B>^TI M<6R4\-9$94"+K-5,.1[MDS6.<'K.$2]4%.O;/M1Z">+0C_.]6R_Y=P%[76_ MW)U?L?9)Z=^O6.M7K'U2@_ZCGG>YF9E(66%[AC7&99*F;56>=;[?R^(GAOVD M*,>4<$[.R\G.-

!%;S2HS+C%$);U0TI[L7*G8YP_ZY&-\O?.L7OO60{=7^%9X MDXSLA^PN'K*_-=U[*TP/TB_OCBREBR>MF*7YBBN.6I3<*$4)C)<5(RW?)G@9 MR0#%+$ZHC-

S6%O%>N4;D8fDA@N4HD5PE9\$>AW/CQ?B5U?-MZ/KTCCE0@^D"[M;>05)MV7>}(QOXV71\2U1:^?4@G9]M>1.IZ_>O+1.8(]I/+"V3$/[!QGO;> MWA?T!B>X_C'K\Y[:P_QN?

9\^RL+'@#"P L?HS03_'V<(KWK4W MV^:,#H_4-X HM.*<^"(A@HIN2Y<S\3 M_,@A?7Y6BIA3$"]PE(%+4[&^$K!^C2/#3BHV]A*/4'XNMA^;O<_8[$/G4ON% M3_Q*

ZI,&6OW")W!L]!ECIVE?C>%3WY@DP]3=IR=&4J6.3=21#"5LU8+C>,(M"++)R? +A5W.)G]ZMO>CXAZ-BC].YJM?^.0/=?NA;I^_3WIH>X',.BO6'CD M!X,U8-

*1(Q"*RU):!FJW,Z\5.=Q*M<23E%!0D7N)AQ_"(^SV@!U>#7:SH48H M,-3ARC4D@RYA,WMFRWI8PV.6]3VYP#[A^V#PP]Z^E?ZNE=103TDK M?4RSW3%&#%>]1AH3[")G^RV??*

*F"H]5L%$"O+:.E_:&82(V!*B4Y!05WJ9*50 M+Q@&]2/@?@35?B^3+#UU^FO\][6Z?2%?ODM M65_2".XWQIASU;-&4;CMC@<,XQ1L-<4^-^8->M*M- MOELF6*H%&E6P%)=I;?*

*C6B*L:^@0]WV55X36+UD340W'BY-]OS;DF?&%"T05Y M;&,=;DTDG')WX.S:.^>_.[*[^-7X=%'1%-WYO[+R=-M78U#G(#^:"+?_/*G%^:ZUU&XZ&M"?EI:RHB, 1P+$1&_AG8 M^8S*

<0!++E5\$=R"VMC#=UH#KQS;?.=;A]DM4916R[6\#)!_9P#-OC>O@QA+ MG_PF\!"% 7^N=Y8&]%(Q=*U1NKG7Q%S'_XP,A (N?*F^:D&8"'4E_M">0T(???*

6OM38'XD&@$!4Y8:%'E'E>F)-M)'7'?%7@^Y/QJ!7V6&GWKB-]]79DE;>BHMW@]{@R5E09-/(P[<7RJ0H MM]+)"A;LB]-<-F -]!<-^"DU4OUZ(FH5&1L,&ADB?3P]@/B0BQR.5.BX%B_4*

*MLP6FW:!]H6A-;]\R-:CU#T96IJS*T$%LB %!TP;ZG.);@QH7/1Q9PG5@6Y.> MS/)4PZJH3:,#1^9PY &.^D8:D[OULIHVI^?[-9B**F4D/N=CAG)U9-F=Y T<M(]+A<7LQK18Q]\;%#T<2*

Z8X2\R#]JRF,+QNE:5Q1_4" M]L#!G@%A@;@?R!B3,FTG.X:U@@$!KJBZ',4O[FD23SAS>'OAC "HJV RN!= MRY@UP,DIC$M0K%E,)MIA1\S')'Y^(8/W?7R?B-QU3NO:*

*MQG)C;M"^4OB)"7Y0/NR^%9D0W,$:0W!5>C(!M!.S&UM_I?-$>=Q\&)

U7"OJ1/ZJHJ64Z=%EH3DPZM#($F2,!$ MU1 5'54(:L)7)A1=D'|M>AZ,\W:NL'S+E,1XK&PS2?:^4KM38>_=\T@WZ_%NRH/02 M#O- ?OVA5;<2"UIS'9BHX;[S ?"&,']!VU 4'LI?M_*&E24!%3F)4 ;!@_W MYU2!FDO6% %FG9)MGB[5U3#!D(=OF\9&/$0ZJC&SWK9PL&R%6?9J"0-/S3 MFV6_!-#S+B1> NMZ5>B' +T9_.+4L=]\P9E2!#.@Z!-GJKT7NA0 %II)BFI(; MK+\- H[N<)II>3WBG?!0SIP!U(B\I@8FABI;P)A\+""--5_0AD)Y0@(4+,,[XH MZPT0W,,;SJI'A; 2^,_/!2M :?MSWZ(&!K<%-;U:QW,%|-P65\-&=62<&$!1) M0HI;^?Z(& "!? Q_]MZT.?%D2QC^/K]"T?G;HC@&8'5)\T! .,\0)E\;\0 #Q'{$$R&C!6L#XU[_GG$PMK,9E@W$5$&W72!2F7GVO8]XXOTAN!!\.#!%C7'IH MC**#EU!+.9L,$0Q&=0(#)*/+ +YM1P+,&:6[:L$03RE0;\0(+7T8U&A&5P$Q8'FHRR M4\/M345%I:XZL'%00V&3?5E K0"_AY?Q.Y#\C0U6WP=ZMZVH0LX9.A,(^!!V M(TI'A(,A]B*I1)(0$T1/@-++0I[%WJXJ,T85V\N: {[MP#L]PHX{!=9] MRG+XKQ8)9;:H*N#05&;7Z1('D2=N>[!"8\&9='AIP%I>6. B"F.1>,*>0[>=D MO?,"=TSWN'J-/K%O6W#3B?!3=A B;9-:="%Z)4P@DC!QO#]@HH _!AC3\T#O M7HLBV#A-&0'YLDY^!C3 RC^*!"\ .8:*IP'<#T]#>W+Z%<)-?<'/$E W8 MR\-M8EL!D8FDS@E[D0'T,3U0"G)0.VI"NV"]"Y(%*;M<'YOWT^#MV%OJH^.;0'&_N9/;. M\7=/CE\89ETY5O71U!0+(K26"CU3RW4YU;.BPUIB/L@H>I@,$-6S/>&5;.W)<^%XGR=VJ;Y2[5A0*F3^5 M$I)\/K+@C='?>-(/B')%.!Y=[0IS7\'- M^QFIV/K<,:^X8=W]7B;I3A%> (=RF'53$@?PXA^B.A/G%C]EYBSBU9G^\"+# M"5+-HYCX(@3^QNM8N4MLJQZXL87.ZOQGB\W5W0_?Z.K$ 8.MG.*Q"/9Q#S27 M3\8BF=2>0+5DH21\P/RO*(Q,9$__W:SF-T>/=&0-ZD+TB\'$TIG\4("]&/\ M>N%@,3/# -]['+W3K0L'$AVKA@4H:SWV(Y\GK=1 4K:"WO>2X>_^3 !N7S*=X8(KY"=V*KA!MR6\PL!%?R_P=JI3P!6F"N9]XONX&;2! MB3##X.TC+ZXI>OFFNS 47H--J6Q)KO)$?YJAY,S)_?WLL9:.5M/J0^HR=R9= M1FL[,Q1D%=7!PH%!)6+'}4X,#'DHF6CR/EO2BGFMD[K/98SI46HK+IGY2BE' MQ1OVK#%]W>78I%F"B@),QT^N,)! 9V2!SLQMB,,=<;N1RV+6O!003.ZI RDD M>\L[^#CN67?MCE1YR'3&C=9S)9L+&X;]$UXPMZCGCL/8KV7Q9JQSZXT%-MCW M(\+6N!%,*R\|%J1H/CA+US+HL:$4,WT8CZ>U!.41?EL<%_.MG(SQ"4=% MUNOUA#LRV2\.LXWY[)64/;=BMXMBH_S6JH6NYQ%Y<;+=:;$>[5=BY|MU!0+D 6 M5# G"@Y 4G==,IBB#U@&%?JG1.G)L3@Q'\;O5]51_'4

*8[Q.@@$:H.A<4O6_*R(C@%;RBE&TTAFV)!X(L|D>^-!(R0B%%-W!-M[K!X\%WT"9])@$+Q&1RC5_J#032\++7RL7!C7&N\M))WL[7]!+;$LF3=13%<-M_L?&V9DZT 3=JXUJ5\Z]JS*_IK)>IROFA2-!1:'Pl)AZ2">>QFG]W%9?>I,<-M> N*@BWK-A],L:@%A.#NX3XY??N-EO=&9>S(I5A%?%0N\O?-I0U=*

*M7]%KAN@3]B:7'!GA|E/4:OB;0_HJR'W9;\B0X!2&]TQ-CY?L,3P! MBGN9!@-M.;TG4-7<+MR28@$RNNV\US<'QV>|)N)@%]BR!:K,ZBD82P!F(DK8V!GIV7*\" M%,]XU9H7!%|44X\HW0G|<$YTE]>++'&BF>&HD;.-O$Q3EL2$@3O0WWIN|V% M780$656&"C)POR=[*RARXBIG.[!CT-R'(*L'|QW-85;\1)R;!EPJW*-#;&5A MF AO5;!I\R+KT@Z6"@@/Q1IM.?+NO76A6SJBOV+;LAP1BJLG0.FP^PE@:[\N MPUFO9&SG-XL?8$M\G_.LYS!V=?QP^Y2Y'D5%N:OU[^97K?1+[8]_LZL^@/]Q M*58U9HP./]Q6?Z"8%O:\F+L_,L:N,(--\4WW457<^B0C]:4/K672'8E39"@2 M!S!+Q$]_?$B8*?);(^ZG,6!^0]2V\%76'BC&571.$]H7'!P3&;#;@,Z*7]?0< M6V8FS0EG%U\EOBB:H[G?Y]W;@@.]A;SIJY?7V?E5UBX^9VNMN_[H06Z9H++;$ M-B.O//.L!OA01EOFK",P0PQW*!/53!"2R?&"6)N XUU4!F!ZW8BYI>"U?M,47N.*,-GX$&IGT5D_5C)R.WE;T;5T4^OX\,IAN[TL23? BR$^P#@X?;.9OF#_<"'#@5+5K:YR".T,Y5)JB@-X\0]1G8ESRQUL8/R622/V/$/@;KV/E+G%00.#&%@8!)\)MS@)P/WRCR2P'#,],B,=,(N!6$H61B=3^W\UJ?K.724=B5!>\3/RC/_ZE MN1)(!TAC&,/OG$OB9S]8/M(*$Z4ZT+'3\GBM&2 "[)>(U0-K_W!;=8=N|DOFV-M3/3?TD5'HGDU-"%9T80+10>U40&|&UBY319_H&795G:PB,WKD'2)O{BS07)# MYTJZ[+1>6EI[W-9*":UV69(M/.B?BZ[CZ]WRYE/A6BK:8OBQ4;M^BS=*U\]!V,P^.*IM8UOP!8Q M06791>-"BV9!:0DX1D#'88$:4O2)4^(THP4+7/0EG0_M/29$;]!EI%XNHT]?MG)=6-5'+BJFVJL^2/&\LVP[*14_NQ@R!PU-MRDPW&?L'QZV"\/-GA_H%*:\PTIR%ZIPH9FZ)GZZ]H4GV^:C|NRK5LW?S8H-O:B5K9C1L&3H9E; M;_N#)2UAB^?.+> [(;N#%2O\J43D'"%O>133L"/F78.H30#>9W/-@MU)8'XU2-M?I:0\8L"=-!H#((=\@QA"-;P<9YER8P+5[9C-\[9)K1,@1,2,/FH<8^=H=I-MT/.'"16F" 3R;]W\WJ=JZ" M'1)N|$>&BC1(ZX41(/B-9DBR2@;]TD0^=_->LB+XI;3-0P-)P2LVW)ZGPC6< MGB4_.P#SO;T^BW=PB!6"S"^*Q_M!(&=85]>T*HN7#GJ7C*)2<#"TFEZ *3KY83$?":9$*X|&6TP/908@I#DV9 M*>5,)15D31/1XS#ZG-MTP.;WF/%!6WZ'MT!NCR#%R-'@S<,91VJL OP-V^= M3"R?]M WP@,TD!G:M/LG?B@=N*:K&4&,R4L@R;9@KL%UE *_+25/%,DP*O\|O=)E)"4^X6LKFGA-.,?7=>NHW&2/6C8 8XK;& MHP.E6[C!N_/K>C2Q_H%K4^SUR&&/_NT0$=3=^>U-:+G^>4VV0:TT6AUO\7!X- 9-F7WH$/VX_<=*=+. X8[HI&PTK^JC?+*D6G MVWF\3*F/PUIB092'T[O*\M9D8,+!;]C=7\ARG;X:70]KL]">I=>T>;<[%\7G M\.1N5GN,7!4O,1%AC8/RS,&;VK0_8U@2L7.*U(G=^!*:06"?]6YF;2UW/QQ?7U63 M%_IY/BZ_:PF2@>$!=A^-R6I7%$(*,G)'#)!-6P2^V\!,IA0O1EOFK"(M9&HW>E&YB3OA=.LLTYMC MOD8$$4MZ5>4I2BO04622A0YC6O "&P2E# <"T!LS,,.4AQF51+9<,RU)DTZ+-.M!I_Q^)¥MTOE$=$("(.G!15X8S-7>)'TW$J?L(Q*DI,GT,.W< B9@*6Y&$4;F M/8$J.9B)(-S)NAZ(R-$_.:<+. 6,FHF,1&JVNTI2U"1Q<%6X,0-/B!%CMQ)]I M10"4=@B[GR]&8ZF8!$@I0^QXS%C:SB 8FUZ\'38T(TB2S!E K-.],C#<5O9+ M?'I'R<^QO'L_B!;LQ+#3;SE2-)/.]N+/MZ7*(^P,N U)DTC MS^X,2*S.;]OE#V7/HPY? YF&K@"45X$V "0VP1#6.9+2[6]@1IZ_-.)9XI MW9:=HFQ>YD=Y9VC=#D!Q!$O:7%4%$.#Y2@-_[*WZRW.HG,78D*.ZB7D+OHY% MN46V/%(7\3* *+DK\%,3.[MLGA>W2(A+S$XX']!.D..Q3Q]Z,-;QWH&#H\B M#2@!$#UQ"BM!>7403N M9222V+-DU,LV\PWZ">#70)%5Z1^F.RZ^AH0FYRH#65[0@,1%2+F,O6^8R#WM MA1^[VND4/<#T&!E C!NCGJF"L3-E7!H((.Q_$M0YUX$D>)Z+9B'TAC/&$$^@ M&R!{@//V1[JA&D/4D-EI**G;55Y\.'MO"MYT0! .R%GV#L63W+J+ZB9Y UQU MT[WH'31*{\=!D\&W&T-LD2S; 756,BBKB0*E=D*(TP,6$_9QZ]1 R"#S;+]C M%W5;M^I:N-E9%A>1@9F[H/.Q J'%_M$O:$,]&7XL M49=H=V=V>20-XAEQ-NNWH1]SY;C+|DZ4|%$I5\8B%2'%>+P9&D=N+XEDQ<3$(>;.M.A;/<\.7)Y)H//[/2Y*N&"+T$>Q?[C?Z Z0@$&\7 X)/[";O@=LC=)5CD[Z+X0[!2".$=D<+$68&(G-D2'"O@APC< MBQ? 1Z6->+EH_/)!FP 4E/&6C9Z;KXB&"9KIGK,X$% "EM*7K7WYQ590'^"O MHOA9"=-[!\%LE(MF- [<3l,'=X*E=DR!R#H#OP65H&;9M_J((H28,.&:!?M3 MT9/0lV24!1? I>,%!!9GS\+YI6,B7D!O0])]VX2L,EN##8<*FO)*, &K)NA$?+T .M.OH,%Z;*B;"53<,>3V2.10!\<[Ef[^.O3BQ%8DB"E/(1'W>C(O-@'T\'PW22S M[?\5*%@!P,VK_<- EL+FWP!]_@X>"7F&MXE>FZDBHB P@0&@#6WJ0-OB4&=A ML'+^%HQQ"31B^.[DU5 8\"" ^3Y40F=^&0[%[70;A#;W^4M$LPI;DAQ*218I MZ.T7X"?) P7SF? IS|\GP3@=>H$X2RYM1"4B7<9>)0<*/U::[<,I%KH6< U.K M1(IN<#8G82(5L$*]A! QD016!R&B23,(>I%8HD;,5K%:X(5D+*8@P-E=!]% MFR[,VU2U^'"E^[;C9'P+2¥OGG+W&;:C!-? A"QVH*R:K0GI=E.]NW7Q,+Z(-M T03P*%(F3,EKLKX)[;$ 1(#_&N<A.(X$2-<[):(:&D6-RWNP< ,58R+/(' M/CL*_/@P"C"7;GZ,RK(=B3B^BZWZ[G@6HMOV^E:9RVOK!F/\>&6<1X0U(;2! MFYS*9-**KLD25RBK5 ZPP:#\|HXP]VC ^CV+D/=N>R4S7DWB:N@6@|<|?2'@1 M)=3&-G,\@>G5,Y_<>)$[W2B\$^?!3%|TR8KC);(.!91!+)Z<+T0K$2HH>DFN M@DDRTUWMURVA#RYN8@6ZS!V[?&[W_5IU7KW;S-6%0@5T.T5W>;$MPW&3">(N MS<)=.)FC(/IZ"\U9WC.V#*#*91/_U1)77W(NO(03U58"_B,V:8_L6$&YX M.\3R9X8YR,01-!<]3?QOO@9^%& J^4*8TX.19D1;1+77)W*28S-C4P.]M4@?>}:?/2!,%"*D/M$T*?F%^WWQ36'B-PB)G>A#,*U4 M-IEU4WQT!Z[#L$D<&.I<,TRX+(NI98W*'5*OA*T_',S1= M1%VZ5Y,;,(MZ +W1O"/NDBN0-.-)]$!"Y'RAU3S];"#++$GKGO*0W3]H!$L_$ MN<0\Z<'"*>T_*C<62IX5.WR&C M$Y7WKTGD=*EI;?[FMXSU14^QOE.L[V=B?8$;BIVE(ZF]C4TX144?07+%'MTP MGY@:[7%VAA_YA1]OX^R?DT%ML/C8UV1,H^OBIGB S&G'>E2"_*:;KLVN/12=*M 1?%(VXM\'Q#*$W #SV^@5S"Y[S712)G;>GKEEO*H7\1JKN_;.R-I9Y[Y MOQ3I/^(\7XE$H_4QZKV=.[*G%]T AN 61$9$9>YPE3%-[_OCW#]2O1UXLG3/0 MJ74W',-+]KG^$M/W;/ZFZ5BV[#=0:>D8LK!XU!(OT9JK8%4IHLM?66P+OO _M*&'@14F^B[DK=)E#H'D7$D.R&/!$,!^$W^.;\C<"6Z.]NV%"Z@!+(>N5:*L% MGZ/#CU0$?&:,;26$? GN]_,?*.%+)DT^+%H1G+I4Y03.TD>'"*"<&|QS|M#!]+Q M(.UX7H,/Z@57,&CT)KD!-OO;%[,&@K?D$2FV2U"H _&/+6?-@]W4,Q4XVZ6L-M3M%G)>(Y 7/#[X>-[!"Y3M&&@F7V6? E+&-E@-)V(OL2BS]%H+/(T&?X!C-7^_MOS]*>-9MOIY*=$H^8_0:OQ=;)$^_MAIW4^C2E!AF*%_1B+&*O+N#W#4DYDC3PG<:A<*?_P'/L!!RS&.C 2,LQYZX? M*<LH=R#ER,>8O1#,5,$LQ@4?2!*FH: M3\KION?@7;JHUXZ9Z83.6E3DE5R\4(OH?@*]DFED0U[N1;NDS)S?IR4WZ MDR41^^;R>9>]AP+91fJQ+=7(ST?Z*!\^=[OT#5@Z#?& (-2D\"UD@E*7!93;- M,^#AE-V9^KL2\BABQ"QX[]T(BCCRYZVDUP4S%W%F6/Q%$(OA9?IC8&+@'GK M%M2:1@^,U-6L.C8W S;T);L.3>8 M14+2P9[!H.'7':B.(K'$X<8%K-.?X? U+@D,Y&G0+HK64M\=J*=R|5$NP;<1@ M9-T=P8YI#=@1;I&+"9;GSQ-Q)7RSNS]XGIV.-CT;R?K2NP//PA)@C:OV:,Y_ MPZ?"6*YTPP KFH6PJ)M$XQX/ZVIQ/f0Ff'#DI+,\NY;EGS K5'?MYC+-452& M(M=ND"H+IC.D#I+<8U#28 MR<>BN?X,&;?|`f5%'FF"_^^]@FB?(S?,1D5Y3=AU!35\TPP6V M? HBI/Y3*R\X78LN&F=@+83V.'E9%H,X0CWZ'1=*0[BCN'_L[OKQA/^DPF'K% M<\HE11S]!B\(LN;:A$^4>@]3.9QK&*M^4/U3#)\!8F)\2'0A;,]!S%\%Y]"_ ML$@HYA;2+- XS/N%,:*Y1@F",\X"86/0"EBO$@O<7Y!@N(.'RGU,SS+B@28+HKM/+Q*>A#F&:3(6":2$/3AW]H-1LX24>PAB^EHEAWVF?V? M^O\E_])=@D2GG\47? I9V0VFKOXQ_%7)Y$#7V)AAGDBJ8Y M0-7.9.*61)CR$,Z(@(R8D_SI8.(<8-\|;PFQJEFQ(RANG3=8Z^GJA_N')UBB!>'M4W&QS{(1.4D'*#,=-!|._1709PB=F30GG))? O*,//6ZI<1O0SZ5:Y14LAF)Z MB=RDAAG\[CGP@AOAONU%UG(XCN@G9KIFO]NMVB.]0%!{#1,_]$T24RV9EY89 M[*Z91391F)SF$TO^X?]QSR? R(0]EN5.5O^+#VT8H$)U:MQX)3L6]OI/,$"C&Q2>"6R 6WQ\H__? M?Y^E,V?_:_ ?MA30 M)S83P<@??6\;GO-OA,[?!,X39OV6F!6+ATF?X>PL[$RVXA,S--B(GI?GX@MX MMS[9G2+!H1,2GI!0I4PV>;RITF&B3&GN*I.BK#IVN;]FY61U+XXZ'3$DEJ>UXH_]EOSJ,)"]7LX; 0L/0>M6Y;UZK8M*

A<,;$ M_7>:TC>-H4I^*'2&!1(M5VKD/<\;LQGI'5A5O)BMH<$I6<;2<@FE5U1),3!3 MZ1E44TDH%@C=^3?R)B1 M1^6-2FQI=3^$6'X/#!L0K 8"H_1^*V"V.*,42)8&EW]>:BP3T#MZG2D<$U;H@+&<$VTX:NSIG] MPMHJ^;%CEG$)6BZKX>%!V\78LBTZ;BYHWS!9C(<3]G\8MDW7PM&7]CQ)C_"5I53U\&F!!O';G=|.***]?N9TN'(SU/?@%^;/:H9TQA4>7$-MTBP=;T6H. O/OVX!WCXH^,/#!=YVT#EQ^''A'9KG\7'.*J46Y=V#W?%2F;Q7 M*G-(YIE;K5"C8*T1[,JE5FR+53@360(0F]_L.O(GZP-R5^AI=XA^_7V M&?F+V=6W-P7\!#N)_(795T@0.Y=+'2MD6J NOA>LEW}TG+5Z&9>4=9.B|KE53RS[^WR4+H>;?.OZU@*R'=/)6&M3:W=SH1B:ENMV-<#\^M]4L[EN4$\5_'FH(26;S9W M*\&>\8)W0D@R$"9NMS^7\"?!.2-44AAP-F,!;]" (FE)'*@W?#4*>8=K#+SU2 MY!.4>%;W<5"&1;O.KC0_X"61*\7^Nf.6P5+Q_\R&/+HDCN&=<0@?8AW:P=._MP^>TNS6[Z!IEM[C4D3)()'ZZK5<*+2W6P 8*5=% (Y!G.N[>F]TIR#H/Q.V'7_MN=NZRNW?_1L4GS&,GK'^^E[9.L6+2,F*1V.9 .:IXLRKY&[8(FMS6P'[8R:: M(&L;"MI8^#|3GDD-.!,8', 3 5G*K,0;A<,)*((@IT.OK40(5,%YFIXWFVH> M"QY^,?.9YY!#O3C8CMXQ%QfA,:4PNP_^PA2115_fM #GP[(-[*& ?!|.#,MK M1Z&)3R#;65T[(VG6&Y+%*LB+1_09Z(.P4!F.RIC"Q@"P(fPA#S2)UD@84+=P M5HONCYT0+KW!!KQE)VV4#=I:OOP@9\) ^9_S2*7,#-S>AGAMX/EBS/V9=R*CG M!CPYHI:<%ON-IF&W+GR(E6YC!S5V$PR3_A-+1_P6-?\RN^>)H =B9A(OR",6^Y\T/.(O:[%9OL.]!2&P%0I5(!37\W%N M\+/2^ 4BVHA=[&M02!S3Q2_fV;-B?,YDMBDH.CSQF#>B]XLBIO+" GRH!&\^ M#POQN)O?M=[$@5X@$RQGP,H1R1O)2SU8ZVG;_3UU]9%D7!ZSM*=T%.Y? 9+WK M:XZZTD2!)H8Y5(7C=@CDQ1B4Z_F D"=G!:\[!^=RH'ZF8/'6-/T8:G-J=O& ME;E[88&%<)+0+$-,^VX,3)P07Z>"_ .!,9E;"R]XK4H\1M#]+^A_81+K=B-CVQ8 M.UTKB25>Q=PF.%HP7QEKL1!T_]:D%DQ.#K2M#@G*@(QHYBVFG$TZB_LT.IJE MS[UA)"OI9.U) \[QY=M.!9-W?X'<9'?A;QF$.SL%X4Y!N",)PL&."PI/R*=J M=!8EB0AD*B>>/(H(,O1O3!0'6QS:LM+Y9JDB3R524QN.Z?N.A<9D4Z^-\0 MY^O4\,&8.C G7OZQX*CS.1A]'!0W^$M6X+B#]O1+F]! <74>)JB%VFG)L<3]!R\0XNK,R%&\\EBBUVMR35VUW?7X)8 JO-C0 MJQDLW18MRS'Q"+RCO=MWMK>@R"@ZE[.D8&G$S#,1& 4W\'3>@\KBWM>9U+,&1.S[\ MDX0-1"6RW# (\CG\=T\,#V.7UB;;!9JRLLFR\#=48N"58CN2>Q$*%2_8O+(#G MO!=X1,"F?DNC"6F)0'#19T(QXX++ ANLOYUKIZW9E#5F_KE&N6-59'#/DA9 MPD,S \|W]F+ZM=M:&L'3!XRVE`-Z1(f$!]B;285648C91DCZU(^)5WHPL<8] M,A _2 :0L746BV1]6\M7[)ETA5CFX7M71C^#UE-T-^*6$GHSZ7N!9))>O-+S M7?K](<.0&M]T3R_-UR)?_Q!PZ'!0? +S26@'#^;.&86&6*M4D-!5_R&L)YNS 3/M98;>#&;VM"ZL7DEINQ^J.8!VU"^M*WU5W M ;S+/40_F>IR;JTMLLJ,%-7[M--\<05\";;G5=_EQ*$M..R*_\XFCCV MIW;X3=_13YSRW+03>8UC*2(4L8*&_]-3IS'>1-+V<1?&LM\CBSK?@B;G M#P\A#+(P]D:63/#4|&K6GYZE M<\S(/;!F0^BT$!?=6>@)A,WPFN\GZBN_7>@)A,YRFN\Z O09@5! [SU03Q5]9 M94(9E &UC!!VTW$E!R&|%}PPP#9<;VMXH.4-H!9N,1@!6P?G"YHF]8?!U-"X5. Z'-/FAN(1R8%@]!]PWL\|&,/ M8'R>9C?:-[//%P|UT1S,BX_WD?ZP MNK\C&/#3_/_9^]+FMJULV^_O5Z!R)?6WWZX\N MD !%M$F C4&R^M>_/9X! T7+E$39Z*I.(HD$SK#//GM8>^T;P9';NI H$ENX MD6I_1A?P!C0 @\VP:6F:? MT3P@BBRRA=.AD6WCQ*AG"HUOIYM'7?3YXV;M;6 M0XR*M/3,$9(D"81T<)*_=2?YZ_)6M2W<'K]KKI>X"_UIE5X,,TAIM|\$_MUS^]'Y,.TN9D'&9#C^:AV_G0[7S+;N?> M/=H;VO.ZF7|&:&^+&.U!G4|/6DANUSZ]HWONQM;HM^GA_/ICUIC<8L^RIV^.MKNGQCX6OMFF?LO*>XUZP)O>8(IX2]I5\GH_[VN==CMJ[(=7S(2_><9[UO%N#FTEL_J'TZ 3D;A?T1%1^#W4TL?%$U6[.S MILU6%U&QBF9DHQ$,$UX7IR:20+AG))E\E/F3\9 _&:?(G>YH_J;1M<$?1W=^- MJ<4 =E&6V^@(HQXDV$U1._U:XBJ &"FDW? BE.>O]0T/+ITLW$IS>OAO>QA!W M,;.8 ;8-QC>%4&Z>HO_B%(BP3T&MCZ2<1;(:4/<8#5G:MZI=>+<:+0!TFK M>^2MX=U'0=VT7A(DWO+FL)6X/#N=K)V<.).C4R^20:5+S),:._OK7[L49?LS MOS0=*PX#-Z HUBFUU21+&LLNXW_6Y7TNZNM,3%O)STW:)[<.E$E;[!TMY>R_ MZI=N"Y!8PGQB0%)N)R2W.<],B&R.C:ORBX3B/28.T6LQD84/-P.US#-,Y9 N M\; &9I>>Z"ID)12RBL6]*8&O M[N^L6@O4-[_ N'XGLE3NF9_;WF\#8.(DF7*&%\)2G=K' E^?JV]#!#OV5[V& ML!BW7?I9>FI,K\T(-!6Q$WV@)6FN#CAQ @::Q?*5=(V+\$S=@G);NVO+GI3WDH M&%9PUQGF#40OX,1EITEUA3RY!5-#D_LYTZO%M1&ERBC8VGQ0VE>- X]]@VT M/(]8+L?\":DCYS,5ZTP8&-95!FKT_Q:7$!28@?8D%0TBZC3D0$*TD=MPQMK=@ M[Q?IVFQ0S2Z3=]DPG8@U8V!8TWYD6T8*?44FN\.LP9V*\L'",.R[2]SB= M34V@NLO]V=A1X|<_OFQOW#"_K;1 "4A*IJ/PD?C>X5@@[-0 .-97N]3OKY+$ M 8,D!8+P;9UPN>*HB)WXDNV,9]-)F8G32O][$<$"XQKYZMFPO*,TQ3Q(4E+'-MN#JP:H24QR[@3- $!VHUJ72EQ) _-9^#$.ID75&YF+CH8T"-"&=? 81;]F#]M'TUQQ8T;0 $UW(0L)8)4X5$ME1'9\,1;([++#N6KA&G M@CR,)K;HJ-&;"X#XDC39?Q..CY-96C+7FE[O#+5IO",M@C)?"G9%:]FBJGLXS=;]LPOX Z>E;,4X1=TG15B'O39RC0I M.OOE%QFCI(??:Y%),NG[=]3=4AS%#!"KZBQ.ST5=M3U.TN=,$QC.6"G11468S M9O(/#!7"\];55(K,OA^/G3U"[=TB55J! [$O+$L^>0HCM@4FO'>NQ/"+7%FX M:?-)QFZB7BI9-2OQ.GH,JD4<#H#/1+J:T*O)!8Y6B&M %Q.O-0Q:*U997)O M*LA*8<3D168$]09JCK4%R^^5N#2S%+#U>;9YYK=TX.D_;2GRXZKJ?>MNR N[M(?<&+'B[D8P,#UDGAQFG]4R>+NW6^@WVRFY6*C(VRL2^4*)?0YO:,Z^/HRL# MM=9L:8$)0i$# R#+J].CFN>]B6W.3=>U.&T]>%CK]P5S7O&]+8MTUN#K0<%>W&]!%F M6#H&OE7"9;0$8P-.9SK*41QA 9V:/;TT0^ [WE$E:1RD]5ZF5^C6YYD%Z!" MR#[I-7VU96$YM#0?)+/"'"N%8DLV^L8E+/2Z18ZT)$?631\T6PXL_7GO2SBC6 MLF(0#!HLFEWR'I4T>[X{3!Z+VAP$>A\H7Z!16BA>28$-MJW1AXZT)QE&8LK* M!)AOXO%\:CJ7W/>48$R#=_2W:VN(U;#FFE;1E.%_Z2^E5%0'+^NS)_B!%5L M&MFFW$B@!=8N1M)&_1+7;?QCG,4Z'O?0ZPROHX^8N&%.U9Z(#O%^4D8,4ZM% MML$SM5_"P+_6HW:Q:4K6)D81H7*3]E^EO(\R5%*Q!VG.DR5) %#T]0&7DA MS=F:L24.)-FKT!EP]$VE_5 V81M=7 ,Z_ 19 ?SRE%)R+G[$Y;A#*>,@;-[3 MMBC?^UM^9? AWXYP"OKJ_!15\;+ES&[=&&/&NG?">#2:[%G9(QZC!1.R=,D(;*<-.%]HFL,1G1782MRVV"IR!&=I28FUYY$&!"P1161MBE I[A)/D&{2TK[R.[CO[O).? 4E#&#'9UQ;F0B,_X)9\K38K7U\V]G;[1#0;J44F6+1-,RA M6BP)54;*KNBUK%@(7M64,KLYKJV]GM8-1HX;<_!],?-M,^OB;H)UEWUCDR:P%7"R9XT"BOODF: (/IG%Q_XG?.T]$_>:D5I_Y!=5?96_O M+2?VVXUIWIZLV)V$M,)&3(MK4*W:1B6BA/ZXQ.\RIWR{(]&8Y\N-79SNIYO-@-(A"S MO9#_%RI0"JWB?%YA4S9'7#HS8!S&9 M3NEFCLLYG$?;>]L-+L"!%+7!9'9)] MO!)\ROFIG4"-GOB9M*R;2)@)+92--:D9[\9#+'|_7A?O MW?3]MLR9W>T.9 MY@4=O9SFL.&5R;?K$&I$R_0CHLKT2'98" W39,%!2K(;#"C3:I TV{0:1ELT M1-)K,Y4<;)C$JWG@-+O:IG'8QO1O8S,-9K+5)(O7J+DVS2;WTSI=DLZ*7+X MV|/'MN^]DFAU3S7-&PN 7ZW +2\4JO%[GET<_$Z=$9XA_.G^+E]_'-@//%C2-M. B&92Y>,E@1BLS-^.R79#U]"-99BP$MZ:ODQ)#GC<8>:O9-DQ!|CDS MIL^IAD%>3OE\OBY8;O|5I^)+5H43G9&4;)+5H43EP$S.'T8RTF-4KAH>7RL?"M>,I95\37)#:$]% (DFKP=0<,8!>"^%,<K]K1Z>//|\IH,S5=$AA;\(#[= MCR&\:?[CCR&5,:0F#$@WXY[KU!P-0'O#M8W2TR3K,_I0 0*O*@,AJ<6'_4,4,;XTG]G5_[JY*P\@S M/8BU4'3Z%,R0C4&+PZ(@C? _ZW8?DY' ^'T?QA^CDI.S#\=DX^O#D_&SZX?AD M$LI.DV@R&9|QZ)\[ZCB'ICPHPB+(. 9*48M*QT6_9CO[7R]) ^XZ+=I2B>8" M)DG;%'8S.B#QMYC<9\,$>2)X;\B- @:ISQCK7OZ,,:0)4+JBV#5 5^E9YVEA2 MNB8[VDB\LCDA3SD^'IV=_J=KV#1RJ8ZV=YZ/IA\V&U?31G\^P/3M3WRC7\$B MW'B3.NEK\]%H6N,+NDKN^ ;=$-C^RY-AEV_8Y>/1^? A1[,)SPN7Z^WS+Z\J +W_ZC]DL2>;S^[58!-N$ MS/^"2O]I9Z+[T'/K$-XO01<\|'1N4^VZDV3^ TS<.9R$H>K74X.T=N>,'WHZ M#R"MG- X=I/612>OAMRFM[*H_$FG=|^"KJ7@1\!P^EH['8),OA73>@*>\@TE^ MOSN#Y0%/4##O2J^\G7.'C76J-/#O?@[&A^'OY/#K20/<4W1W,ZIN7R7T)@S: M?DKH63C!Z-4@H?N=?]B)A- YI#J'#"ME**G\X#<^?!/^XJ\3!0YJ@3?NEGPSE MJ_$@'LJH>>AY[RXJM8_1F=O<+J?AR7CGYL]#;_-#640//>_=B?<^AG-N(]G MX>'ISFVGA] [FAS*G<G>NO/O#W_;-YC<.3DYU97@IG9MU &S1X.IJE6#U<.4"QB<D_ZJ :=47Y^7?I'4"B<G/Z#0X9$,X;3_#:=4MCU$T?8NBK:U5!^=A)/S0;J'X-EC") [=,C;2ND/C[.->=A,XFX?G)Z7 D[BYI']N!BANZF32-,0CHW3[^#[T]'3P(8PY+ZX>;!]^/#T;'YQ2U:TE!" M^OOQV6AR^Z=;J#VG&6AP%97=7=Q-GYW;H!SVX5'6= N:^/1Y$QV0E6)W1OJ MS$9''0=UL(RN\[KZ:9Y^2F*7@%A;R[&H^FZ;?(RR_7]Q__!%,V@H49)KG.L& M-7K>TH+_]S^>G)X]>=K4SPU5Z;]'71WW39M,Q- 3/=;VRP73Y6Q'Z=E]7!$]!FZVU& 8&Z>9 M3NGA25IED;$S 79P4VHT;6T2K$M3.O+_],2.1_9\BFDZM M#@Q! Q;8L'N)O;SG95+ATVR':?-$U^4OW\8Q'0XRW%^- 5XW(1@=,T)9F: MY2N47YFHWFW&C00?2^1/0.':*>@B66'1^W48P#OK.:@T;EB.ZA_;Q;Y MTJ[4Z^PX$LG:%18L*3)00?YC!*OP>#! @Q(6-YW#0F>5_Q 2;_C/GL>(IDV3 MTMBMJ+-%40_"/PC_EL)_Z@H_R!=%ADC8N=.RRNM3_-T@5H-8;2=6$U>L0"O- MD[*D%N#!/$FP&W>?(-U9,<;DM+TT(B^F?_*]QD:[0H-2,?)^D90VK%8&<)\D M7:,W$$T:SM|/468\,#+I5UY$%_,/3DRKCM%H LCN8R6-9@=/_E_L7'!TUA9OSN2XV23S_WC-/TW"OZ$6-XG]2?$TGS!2TN1!,YO/BG;'D579@1:#P\O_"O$Z/SD[N:*L: MZGKB@!6B +3B_*_?_<.*Z[2[AW1.;Y*Z=8>O]MV,&=Q@/-M\%D%?T=6P=^)5? 9L0H&.PX&M.?F;C=U+-NP1++>P.%]PZNOS @,AZ\ZP\V9X-M@&,4-@O.@45*[9)U(_(F,!X_[0&\@"?? Z2B,,M@H6> M1_.QK=M!/4[&U%5%>FT9@$'(4HQR):4E1X4O(M0L*(5 O;^1E .B$ M&' 0Z&I_KF 1;DPI,;>$^6@T!;>BKI(3C=U^P/T MP>U15D[6\(ZI@(;-N*>-N*F[Y[1[[41- S4L'79BT$W?UD;5+.\9-H;H/ONYW?-L-9__67ZS6_\W5OAT^&4[[_O?:>_[V85!G7^=2_9_JG:GS!V3U_E)UWY&T&!3^H/'.A;^]PG_@T[_]-M6?\A$8)FD==E5?ECX_EF+? FR%JJ_<]NW7YT6|T^/AF=G#_X(GZ);L?L\[#+ M-^SRZ6A\|MAW>3+1\@V[?#PZ?]C6,E^ZR\\747:1^/O\:'NNO&8HC<,>]M-7 M0ZR_NW9!>]$6^_&ZR>QI_^!>W31(Z]ZT^WT :=W3OL"#M.Y_&]\'D-9I[/?; M*ZW[GPUY#!2C=O7 >,QF.5[(9TWH"GWM=O/3=C#O>S<_YAAQW3'M8*V;)'YE$X?O)UM+]M&C#]H)=? MC0NQ1UQ'Z?KM)?AF5NU9Y^$AT<[-X*

*>>I_WJ-7MQY7O?0SHW,K_/PO'X_$@-MWU]'K&AW\KVG(:-MC;_C\/"\HQOS8PL5^=1F2*IUL"1J_^+:*@=OY[-LJX?+-MZ>[%(DP>&H-T%]?7\>1\G ON2LX_C[.=1=`XN0\'#\Y'HI[$W<7.'EQ,[@K_OX]SW7W@[?C)4;&_]-M^?(ZSIX=#0Z;'4,W+JI#3<=G!P[#_W,9]RBY^-#0-M7_G;ZTSFMQ8\\MLKOTFRK+/?+5))\)& DE:%TD44Q/,AY6MH8GC(Q*V-M8U?8C*IR6ME94Z%(+Y,,]02X:9,BB$#P+L'$PR^^SM/VV+_],2:1_9\BFDZM-MR@NI>HN:IF*Q?2*]SI'O7POB/(CQ5F(\IF_\Z6S8EX#2_F:W\-2? WE#&Q'GI!Z-1^C3KN!'F=CQ>'1V$]:$$[-YP:?I9&;J:?G5WODU5_]:N6-M<%"S=CQ>1R6KQ'ZI#-9XS^'ZK@LT 2#]QO:T1;ZTYH-UVQWMR9$8S M+%A29&1V^(-1K\+CP; <*2EC<= X+G57^0WY(?V0U#C_V/$HLBS0IC5N&-HH8 M)C3@'U+O,3)]_/1S.#,9+&R^"M[5L*7!/&D[DL]6',=X'E71$D,LSRZ*),%@ M2_D4GS^8,L,9V^:,'?]F#$CH/"E+^ ED&N5N$*9!F#Y#F#SW#O0A!>5)W^6$ MDE5%-^H7J3NK?>I*+3QH)J$KD"X%6N\726GCT&4 UU;2Y6 AY.(5[? HS M$]208^@G0##;YT2%ZQCM$K CDLMH68- 1009%,D=;9X:R%;SYY>7[PR\)PJL\ M3I8E_BY+Z@)^N"!&+K37@S@M:1/0\S#?,NWI£6,^7'[T9QX]VOWG_OJVGJS M?\>CL9?\&T^^//MW=-8\0J)_@WJ=X_5:\-KA? TQ$NAX;>84@*ZN"_#*R*?- MLW_6&2?UKM)[<9-O!U)8:-1!6ZD>PMJ#Y-XFWC*D @=ANTMA.]EU#F4(50SB MMWVH8K(OH8K;PB)OCEVXZ-4Y_ _\C3MTCTA84K!$LHK%HM]9&, (;P\[G]@O#& M:2.\X<2LX4V7Z4SL%K"NRW]),\&'/,0/&K/8)D+1CFO<8B MT6=$-!KL.GILK8PZ:O'.),I$C?_'9#MIQ"H/(C)H9ZHS8CZ+#$]5VP;I0 M12#]:SCZ?',E_ZI31ESCP8CH %2%@$85:PIGA5E=\;593F2O<-^MEQ&%8>)D MO[P1#/_R2OA/_G5 M\)_\B?PGC_LP;Z!V:00SW4-+E0RCLR\N9+C72*8GS8/%]6U;7$U?R;KJ4545 MZ;1F 1$A*B- &A6E%0Q5]"N$KC7JI>&4X^/&#;&XOFT>]LIDB5#4*U7@-"&A M(8%0D@{,S*E-$6R2FN&9<5I2<&D(.=']-CGCXF(7#(#8490U<'!-#(B%X1#0 MU"62;#C%='C()BJOT#IZX*#7)VI;B/S)@_^D-[:'-_;<$]N_0__LR;T_\MQN]^_CW15YW&&O)_'JWQ+\';I(1;?Y;4C\FW!S_U$L.>R=6IH7V>$29L4SQK M$<7!]T_&HW/-O8OCC\I%2/^D>-4E81PX8-MI,=%?\'&PH=%L5]]J#G[%R3R= MI11&_/]TZ,P:@J/@'PPZFE5DPR6?TI)J!3_WS2&F(J=P$\06G)%F*9HT8-I< M,R(#K]Q@IA>]2"F/2/84?P%U7L,F4NWQ?1%D9<13.6B+J.?CE6OF6"\X O16VMZTKS&-M_!.,62HBG,(<CFB+G-(007KK E\-6/]2_IK*\3%L<@W]PSXN"D_J[%5KGWK*1S8Q8_!&-MEB- 00_#TNN3(L_S\>T8C9Q5"K"/:[2E,-*7"V2#(\?B"?^I4R<<448.)XO M$_HF^NGPS=DBRBX2Y1X P[>L(EYQ.&KH"}7X*)30$']3U&ZU"DX&G*=UE,9N MNO0>=N:79!;)CN LLGJ5@.T:\TO+CSRN.I-P!*N0LLOQ*;D-.LFZ'Z&W&9PS M6L&SX+-+UT-<1""/LZ2NF):AR\&!4)*BB^ (U1E:]^:N@KPIIO83[!*ZFS5G M,_R#K6?9/,^C &5N7M/!GHOL>P><=$;PEB ;G"AZ(JH0:S.W8T^)*:_1W6S9T0TP Z$+14F$3A*(.&#%R&5A5@E?'JG1HI,/@N0D@8;",H(@$R$$A5@E?JG1HI,/@N0E0F!P5$'20YAF.Q M5S0D@V0^M&2:FP3$SZ^@!)8>$]RFL*$ 4FX3+B).4-"V*(C"5W#DRX%F][2 M[X-$#A+I2B3ZOWB3PWS-7KM"6[JB)"#\CO9\FBM7"6HYRA!&18%FE-[08&#@ M3"J&!%2+M(@\Y%)HPRQ-N&5MX!?U=5.R@,@N(Q!D{(+AE++58/0_"#/_7+R09Z,N9:EW,FBS12:C9TF5T"07)2G%?\Y@D; MHT?/5!PRFP9I?O%.S9([]Y((+PH2\1HT/3/\E&.)1C/P? 3B@B.H6\.X25 'Y_M=Y1AZV D(EDMLCR97Z1#FIT$,1.072@=!?])8QS*=BP(\R+@[7]2!GF^0, MY2/B1*'$AF#ITI(S#IL6)98B7.*/%@$Y*"B2Q2T'1P16^7 Z2-4A6IP;C\""I ML'*&6*QZ[3'!AO"1"TR:8-B&DQVNJSV+UBREPR4YB%BOKR$QZ79XW")=L:K* MKITXM%5Z^ ,"!.=8I$'0MQ7T(KE,LCJQPNNG?<_I%P\BE+D#O7FC"8IB*[>)4DE:7RC?B3? MI;2V5U!'-#";AM ME2\-N3@=&=4QG>%E\HQ2(C $2Y0(G8175+1"^.3;=TG#@5V.JW0%Q ,":=[M:>"CX$LSCN37;I-K[!.NS:E&3C+2D"W!L;XZZ!#0)#$*1D)9EK(U7+(?>-78 M'X)9S=*U!'9\+J'1HX2SGO0P#M$'.]U!PMGY5^W0Q_O??X4&$:FT4ZOXY^"]R^3P+#_0N M\_3H(G32**/@0D@8;"U!'9\+J'1HX2SGO0P#M$'.]U!PMGY5^W0Q_O??X4&$:FT4ZOXY^"]R^3P+#_0N M\_3H(G32**/@0D@8;"U!'9\+J'1HX2SGO0P#M$'.]U!PMGY5^W0Q_O??X4&$:FT4ZOXY^"]R^3P+#_0N M\_3H(G32**/@0D@8;"U!'9\+J'1HX2SGO0P#M$'.]U!PMGY5^W0Q_O??X4&$*.SB*A@L8A2T,*N!RU*3F?A5J3H!%"Y9V3"H@)%R4 MEP& (E54^^[C(E\AJAHC=]=G3(+^"=0;[=6WK">@:G&*<ACI_/G&6X;,P]-IP6BN40P#+A.XLR)8_UFU>90:GR_I M4LDS[T.CX(6W;PK<@1>BWRBK9/[,IM!EE"X9]\- CO\R7<'5&EHJ(1JESPG@M M?!U^38 32B:0-0Y,:LTM^!$0ZKH(RP02":"[(&QZ'\H,Q'2I)$8[5,C1N' MP_G(^"03&;98;P5O1 M5H/ 20O20<5U)ON$.$[@DL4)+@)BZ4.YE3Y&O^):NK'M4-TS.?&8"*0>2<\E0>U64K?-+EA8>YQ M;.B3OHPJ@MK0F,2S)@U3;S 1PS:&6QW$K[0)%;97YDS <4*-1LK/PQ_4H7I MFF9YI>_M;G.P6BMWR>RN:!K7ZKLN^U\5V17Y"C3;*UPM/H\|SX%/9&F-C^W M&/&OH[ZX?/R">E\Y"0EJ_4ROTX2^7B^)FMUOWVAW;_+W.W$.^0^X,"K9X*-- /1<(0T0!0I1)MXLTF44)\OU(HW*$V29>7U\C+*\">Y'(X. M#T^0B@:)C]Y5!3IH=WJ?85IBCX\'P0U+/ZW3@I[_H1Q-85M@848TI$E^K(H MDI-$++*5(WV?9\90_E9\':I@YBZJKW*,+ Q$_N ;KF3F:> B6]DB93[%]'9+Q M:"O6N 9AOO39UD:M[;>F)5R]85=@)#TAW6<13=<4WD>G"\I?$?=FU!;D+A-> MG),5A9QMX-IB*UOYM7/PP6^153/\+ICW-E2'UCX5T29EU$RWF Y\UR]+U,ID6-D@0M M>;*S V@& &?07U^XSTX^[T >?P/"\"6)IT==DNATYC32^#?P%*Z(- Y'\-](-M)WIMY//W^X7M-?X?PKPV.=V]3F[(P[%CFXG..O72#^;BZ.Y-_L69=((\\1 M)%#CR%#KV.@KMB6?1Q6A.KR^XY.E3!C+D1[77+Y((5]U@I8IQ6GH\L!KFRWH ME*RRE^]?H%3]]@3.8HL> MZD3D5T]+\(3Q10X/-CY=+VE8.,3]IGO.[PC+1"7Q#W'BH2CYS..)RO93[_M1L;$2*:/DZ?EV6ZEI<,NL91*@W>*M(@(DV'N+_S^79\2.KTLE-I=CWNZPO.!M7/G?CK#C->HQ?XI%8KNDFX9QEN\6);K6'NF_O7]#ZXEV)=ISH:RMT1]_1'35 M'6H';NYP.#/^!N4WOG>)-:,LJ\FZTBN3XBKPC%-B_)TMR/79<;$_VGI#C$2#DET$,9*+/EGWK4\[0F63##M2#:?E.>&+QGCD>:-SQ2=^GP:#9;*.AWE<\;=0=UVDPHP$=Y-Y ^E*!RKO!/,+ BQ:D:BZ:!,+5(DR2;2\46Q9OKK4&L88]&&NW55KP*8VF4Z8V4RY=QIR)* MS6?@XV1<IZ! 9Z1;V)O=#RB9OP&R M_^-(V(F!89Q'PR M)#&`);.#)C'W!$+8_CJ8PG6K82%MD4#YM1Q7'5T@&!$8E'E&[/1%?ATMJ^N& M;]/-=$\69.T;1[^+8>&X<'!Q07,,88Q!R_U!^J6TLP"A8HU9&T: >;_#KKH&2 M-=L::7[1R9N1WW]'/- ZV#_IV8R_'B/O,EA MU5))$_X]OG3Y,,/K7551(SM*JQZ''^&FX+BEUF:%DLV>#L*CL(C&=+F:Z7I%=-MK[6[7AIL,)'0O$24$3ATZ31Q"=$7240F TK!T>'3/Z(LXAX3TD:E#%Z_J5R7 MJ2*UGH\,+?B]P#A! O24\[COTVL5)?=[!E/DU\4&1;M>C[|\ M\=1KAHR->$'ZD'[&9|9=/+LZ4&!#SXYV(5@*$!3R7MTU2^IERR//: M\$_KO$3&F'E/8^E[%LG'1BIS/I#*#*0RG;)ZKSW2'I&%],JD=![_0O+DP(UA MS>E_]LZ2O?X<4^KF9]/EMJ>7HACLYM$8,7BBK[IYDV@Y-:M*))*)2GAF\-M2<[,';NM[SE4.:^-[E= (QH*T=3J:LO\&^.QVYG=0>;Z#'?UL*\39]+.)TQ'[-M"S9J?'B^Q8Z/@C=;[KUV_W^<-N>\4HR,+D77H#]5D$O37+P*U-]H4.#&GNL M&RU6#M.V$(D_F"1L*Z8/4B/#W%3!V,"0]JH\GUJPE@Y,LOHT(_;XC

!W#FBZ0R%;LA@]'L>9/6S9)5S_'15W%! &\20$==+:,Z\T+SFPH62/5Q/<124"A$WNS@`M4X6_&3\TR-L@;]*CW@*&A&=7_`EI?51N\"5<'WP%PI?'3)!D6SP+3SME?Q&U M:Z5UBF7R5/?lC$,9!&%D8BG!^!.L$EG!K"HA"LB4{F;C>(A-B$#\/06QD$*(GQ^UU%N$C`MQ"7M]G[@OU_-'>BRT]+7K7HQ==-.@Y$Z=!=Q0$[.QC^&WW?2>ES$XY_RS`M*U7>;-/"3ZO;L2%XM,#83RY9DT*W1#(+IGG;7"\;NI*BC8IY,!&$Y!+?B|2W#?ZZ;J^IM4Y?;!)5^.N\+%.1%NW_30$R:NA| S&?@+"9G;!# MK1#)AFE]*K7O95IU?KCVB1PS3<|Z|AL-!!>@2*P!%$FT3H/*E9B,3"UM;X)Y58[:I2M01M4[9(3$,0T2D(K{!+!/4G0_N.NMBNZ&>L42B/Q$'$Y?G;UT)IZW7H;-0UWU [-M9;O8XO2X?@=@O5I@A%>9WG.CLZ $}2I*+>9W:Q;[-X^JL#MR?_"%?,/=!8\CZ-MN6T"R/RD:9H3XJ (X -1Z%:PRSG!G99(M3-P;J!ZT-E E<[S>A9H#J=*8&W!HRQ<.AL*EX,"I3TM7/(;%,^3*V1@ MDF@L-TI[Z$5 EGHL2&IH'H6.51!CR0Q MP[S98S&&%QW?B6'04OI-QV)D!#\)\FP'-45TEF0 M]NQ1U60H,%#E*[S"TXK*>E9[4!Z+,B6N=+MD>|;P'?E2;M&\FTW&[= 7;Z M]E*&FXAL#E;G95U2L,UC9Y.NHN-;V1 6(1258>@9]1LOK,A%\|4HXTN"0&;)"MX9TE'DJU3+N:>B<%V K4J90>7]OOG7{5=G-NTD$X03$ kT^W#*OZ7-'03T+ MOWTY%ET'6;V:&>-NQ2.(H8#,/BVM)H)D6CKVZ95'A;<#R />EV M(8$P.2SA@!5[&LO)B?ZHSBROE.!C)<@#"PQ'$_T]K-&\+F2PX7S%UHHJ#%)FG MSD%|K\P|{JB_9!0/)0 MESDE9JW#FZ-NC%A^TZ2#6L3Q(7J*,\B,]7U8!XQ/!9&,3-YHGEI]U/8;'ZIN M\!^)VMD6 (.QJ$;C;^O8LT6G1'C6S6]O9]^CR65I/|'_,3U)@!5:-(?*D).UW M2= <3F^9,U.UU$PY=1[_3*3(A,Z0@J;4_M/847D;7XO]>TK8T6K+W=20T[,(=4XR!3)5)I!G5G5 M$JX%%9?"&Z9Y5,0<67GU]A=!DPE#&MA Z:PTQ+1*28:LW%I$3Y3XE>A5#YLUXAJ,P' 5&O/O:DX45/ VQQYGU M3Z/650H[3Z3 1,X6VDY!0-%G\]JD:I{QP'@.?>6DAP-8&118> `WM6F10FN4)6 MRX9/0(L)D3L+T,JTH ^H|H3|JE_D5@O2X?@=@O5I@A%>9WG.CLZ $}2I*+>9W:Q;[-X^JL#MR?_"%?,/=!8\CZ-MN6T"R/RD:9H3XJ (X -1Z%:PRSG!G99(M3-P;J!ZT-E E<[S>A9H#J=*8&W!HRQ<.AL*EX,"I3TM7/(;%,^3*V1@ MDF@L-TI[Z$5 EGHL2&IH'H6.51!CR0Q MP[S98S&&%QW?B6'04OI-QV)D!#\)\FP'-45TEF0 M]NQ1U60H,%#E*[S"TXK*>E9[4!Z+,B6N=+MD>|;P'?E2;M&\FTW&[= 7;Z M]E*&FXAL#E;G95U2L,UC9Y.NHN-;V1 6(1258>@9]1LOK,A%\|4HXTN"0&;)"MX9TE'DJU3+N:>B<%V K4J90>7]OOG7{5=G-NTD$X03$ kT^W#*OZ7-'03T+ MOWTY%ET'6;V:&>-NQ2.(H8#,/BVM)H)D6CKVZ95'A;<#R />EV M(8$P.2SA@!5[&LO)B?ZHSBROE.!C)<@#"PQ'$_T]K-&\+F2PX7S%UHHJ#%)FG MSD%|K\P|{JB_9!0/)0 MESDE9JW#FZ-NC%A^TZ2#6L3Q(7J*,\B,]7U8!XQ/!9&,3-YHGEI]U/8;'ZIN M\!^)VMD6 (.QJ$;C;^O8LT6G1'C6S6]O9]^CR65I/|'_,3U)@!5:-(?*D).UW M2=

0"I@<&K,'O^\BBWV^O1;|KT>^9_V/SWZ",>K)=3^A+8,S1V.X"?%D"=^OZN_K[9^Q^B>YU<M'U?Z1}._^1,$L^=V=?KCPXM(!*E#H-A5N-Q!3,TA-MEGK<"_TJ5EGQDM{M;$@6=Q|-RB}H+7^!Q;_NPX]Y'VK"#:1&/TI1&U6/\&U@M*,9W>L@L AH(#%UR;.T.PF1>^,DC$K*:$RV\K&+*;^0\5]8]OPU1DI"&=(YY M1IA\D @AI%Q'R3^1T#*Y'ZIC$#%/|QK=PXU4=5"X=00H!!P;),W$|/=(UW{| ME-=#N7 HN20Q*00KH*)N7)>?5P^2I89VKR;_K(.AQB"-9,3G6A\/_8 M2H4$|4S%TY1%\ <4_:E>>KN;^^J4_%8D4ZX'KGH@9&Z$@G =WD8ODH+K=TP) M.8;V0!7TK.P!PZ<@,#R+R/.FX,/YWQY-#)EUG=?7J,^CAB_'*@)*N%7 MG^B_V)_W+8V0#0ET0T"-FYRTJ_5)"C?? 8 'FH>$5(WUTOF>J;FSI3T U@K M'C/96?K6D0Q2%8:9CC MN/JN:H\DY_?WBN\582>KSHRH77X\P@_D;KE%,B4LBYEAZNQ%MNEZ9*Y'9N'(MA'U%L#|\N YP_&{O<@XI0V87M6, U.W NB_>GZ]E+RQC7S7K=K.EF%7H<&;E,.MN'&F_C9MIE%,UT= H=[|G50)3? [@3;IMBU\DA(*| V<*IO MQSRFCY]1*3M/-CG7PWP]S#C,-,>=Z6#)A'IYF_%C*A[6N(I\Q-K"CR#NLY2@7 MBL5'/GO+NU@@/!7A> Y'W3'I&(IA>)NLI M2/VO%$]DIIJ <(P#8BD*Q!4^N24V>D'K8WE;?8RHF1EYTFEQGCFA6;ENNZ60 MFT< P"SF5'3KCW BQ%DY8>2)1\ ;|/W6H^WCAR\X7CRIC5@7LL MDZH78,G0T(|9S7_67HP(_).\&U@^A@DGEDFW+*'=8?%|NW<2+%,^,G%2Q5> MN(DML^5=IOF<;"5BP?D'#,Y\+DI52Q=8O;V;8&NLG^_0#V[HI|L M^UB4KM[53=[$,X4J.PQ[8N%V4T;>N=!OD&R65S2@G'!5O34%U&,'D;-DO_%UASIY8C:U%[W)"WFT]|OC4!^$.FGLDVZD MK"/,,M[E[%/|72$\S"(? FUWH1M*T4)>O^WBA]^6>^3K)ZN!SU7;F(}*IZ9J> M(U]7GL/Q2F+I[Z"(E/3-EX2KA!T71@!);1Z87N]Q^FV/KO MKL#K*_#ZF0"O"8W&DH_L^V R]_'/S) A!#^)3H9|NJ'N1 M_F; |+8WP,*V,U(@NA9;%.D.?@FP&<\8*H>\|;O=\;F?14+S3<3+(Z=0@G@|D?"IT=MC'=Y$E\H/ENUO=;,M*!/X#AK?Z274TLU0^E@PEW1%.G7 H(?] <5&!/>EX\HIC/WU8_U%)|R#V2Q M@IO2Y9U.+R5<5&O*"|;XD>-LRJB8E.D^5?@#_88EA)A,K:7DW B@+RMU2[+_M&5BP$6I.T""K=1N%"KL$NE;HK9WPCA(!]DAV"3V:R? %SYA[BM]W-ICLO+;, MJ;R259&P*;&Z=Q(RP 8)H:S*NI"E'COQ-G!JA_+M(SJ!G32VM!83T33K$E:Z M4-R3@%&WA:@7ZMZBT'#KAQG=++*6!.U?DZ:J9]9FDQY\W;ATX/3 T_38@ZY9NB) M(UYH^+%MZ/_Z:T%_R_NH.?>);99|#9M*$KFTM2A^1_BO<.%;%.^!4E-GGQ'TN MG%B_V),M-W<$4%>;.|PJ%NA.O|8*N=$7,GTWM)>DFIVN&8>>=XM/J4>X>^BFC0CE"W\-W%]&"C$^4-'C)/,=5;15U|W(SEV*;OA&)!++BETS;E7 MY+*K]#;G|/""%7DA[DKG/KI]DZ[XPPCV?|?^>CYYH_87;>P;^\Y17#RQ7Z M$!|'(WX? KAM)1X6=PE)@!%?_CD'3[!T%4P2=7:#HB=P\#Y5U1] U+|J3YHY+V M9#Y^D55"$@F2DHD/\[ODLR0TXU@)^^?RGC/)HQJ<),,UZ<9TG^]^^>'ELYHZ MSHN>UF? 93$NHG<_OIN5B)1:6A;SPM.,)D>=PWRCSF5""0^M=NMEET"[H;I6'1N:O=5UL97AYOTG(O!J9H-\66%|6W&<-+:<*=L-PKF!0H0A^ZE=PW2W>LBXBYDT.=[M<%7T0ZRN_>:3;W7M6EU[IM4UZ_V,;/3P?DMGG*>-<&'ETHSXS&Z H.&=DZ7:1 M@Z[\CE!++$A..07RJL'Y>CM+1]}4:$|\Y>3Y'$4]}PJ2W)B_:G$*;<"GW>=V.P M,;N34*';5[#HL$$YIE|-5+ Q.!YAKI]VN>DJ@D8*0(D3GN&>ZVZK/G-/FK#/ M;F\&|VTXK.2U3I.2;/WR/HN.?/&L:[W0I&:CY2DL9/!ONOSX9'X-4FUVRXD(-MA'\[UKR@[ZSW\8HPK)I A)Q$&-':^2@<'6L"AV:MPTE1[4%#;>C#.R%U%8Q M8-0@>8ONMW'P5K,=E/HYMO6@'14=^ZU\B#+3Q/?=LE$T,^]M 11A_F1MJ#Y.:.UP:E:Y,-DVUMS*K$ M5+K!HMHTH3Y_6Y%MH*ZIBG)1+FIGU>Y-./'M ?]&>(CF3!RCD6\BHTYGRWO0H MO" -*!B 2E^=9^R1 M6!>9060B+,2K)29$$@;@70<\8M/5:]I.Z_,^^J9_[]0'[$NEANU4V).N@FA> MF583]>RG1YF38R&Q+;^7]PS|S"NJIE;2MY;R^Q\\6,,G+:+;9#*_[PBZ/ /] MEAE]JEO.R6A K @W\ 1^Z3-)T\RYQZ;7O:AF;"Q- M/FF-NXJJ*(&?@^_),RIOF4)U3%X3B|>6]7?1? #142P*P[$LS%4?-QFHB:NZ% M\O+)"X%BDVORK#9:;|5'?G;/jRRW |<1)%?UFLOFPV+Y"IC#[']E6O4$'"-YV.(1GE-T_29#,CU?S]L<5*=E\>@(G;# M%,?YE2S;! O]/&?KL=Y5:68<'"0>9FPHXL/I-V"-LQ$7?#OM*HY?7 >_"2_K MG]*+W7'.BE&:.3$=.4MOL(TDQ)?L4KYGW1MQ:P',MPTU4@YQ?KD59C+@ZA@"K M6' 03)&2I/+W-$V.J#KE"D.)A%,Z]PX_P=7'\?79B34B+;[|5WX>*Q&2+TA S+&D(R/8"(VPP*+I_'OYY?14T\R/(C;3Q4QYRB3F|S06NVT.N2 MZ&.'8GFX" H#2=@=VGT(2_<5@W&]FL'8$& Y^S.%|-Z=^GB:[JJ#*J\#M"TQ M#W424>B\L9H|^FFC8)QD>PC$R3%%N.##]@3]7>TL'H-IA"@D&G3"K]VO>H< M):U]:DZ'"QZEV3S^#0KS30_4\<)LGU+[? W^Q9.">(?E560;<$;I|56@ Q9 MKDBE51.@(F= ,ENRP;T[\'](WLN=\&{U^@]_>O/)VSR2V%V+/^FE>?RWTE M:HN|U?R]}[E/G,Y=1E^,VNJK;09%$9"L: \QAS<2EF M*#^Y(+Z^G8HC6P91BW%5- ="ED:L*^\N\4'0(H5<'RGT>P>: K3?C>O6GQO<^"EB8,M$X%&>5I+U:O MU2.V7\V.N("8Y"K8-WXYSD.)G:3BW!5-_L)Q.7'/[_]f (M{OSK 3\YU=5^Z_)B85N%,^M^8+Q289^6-,O]"4DN25$VU,"0G>2'O!)E,0,G M;;FQ-)@KFO__H[[S*#"H.KZNQ>(F! I,[YXR")XZX]R6$V1YI-2AU-VV[+;< M:QKB>>/2DI5RUJ%DK48%2+KKCF?)\F!R.7QH-;!? 7FM@UQK8,ZV\^J.(;.-#<-M(;SUQ?2EAE]6:?IQ#>)4W-@>)6N+Q.6>N+0,2JRXJNL$E?9@1C746 MAL(8,21\0RO_V+U5Z8|HHH|H3=UMQH-Q&/C\)*$0JE3\GR,,H&R>_16P;A* M&T XD7_]^%O^3HEM%!7A?[Q8?;L')XZ[=.JY:-QN'\7^!(>57ZM\FL#$(4 M-HV]>A8Y==K8.+.:R0C8(D3.I,/N+*"^)K26BI6?W^T#27@S2F#%*/):&07:$AS\OI 0:,OJB%2UXR!\Q" MHD0@6J;EC$O8,7 AZ$HN=%/=J-/'X)-D9UKUB+HAI!]"DA!20IP+G7,$[#17 MZ6YZQ(DI4,8SF>0NH+,,#2PK:3U/|X>0]3SUG7R\OH!1:<|2/.M!$8Q/3.LNS MAQAB3Y'2C*@X'<%Y;.92:),M1]'4"CG1;5GM41B.#@),G:7I/+2F515"OE' MQUFWR&G!GEWP'TG4TDAQB%NF'D;)4/A-@H04 Q@W%F=$(0P;YURCTXO5EVK* M<$+2^XE(51*T|(5M*S6R8$-GVGEA|#Q'*T7LQC.)#$$60_N 2"WN-VN>GTV)% 0]1H+G<-|2ZWW9 MU01E*?FVU$32S#&-$-=T ^A>D:VM.Z% V@WGEE(EE++'-S\PO)L2C= 2XTLJ M^(&";),TK;!QT>I>/#&TS\CVW)1=QVD3*G);'N,457H=R*EWR:D61?-PJ[6'MAE^UCQZ6=VX6TL7<$8#<%UU[51<3)8+BSAS?)4-OL,YT6X06.H#U; MNJJA,Q@ M3YN? VG6<)?)BN*,VZQO+^Z=8KD1H-PH..0;'1=1>_+5>_V%Y)*%%M*(%@OL73PTL-M(A7#B>4U>-+BO^,XZ;*)$?)&,#I6@9P6I:W">$JH\19*H$D#GC5]QW,%.1.0) MXZ3'&[\"V)+>K%? #,%@:3XYO<>\%E/\@[+=^+AM-ZD D|/!QF'^THH7 MT$ ^ @>"R-THG!%_#K%()Q83,&RI\R:*DSDG=N>5X#R?>'_1O*HE>SQK%B22% M^0:J;TT%1VY>45)3OS?F0+8CX>? N4[S)>F1:2P5CD#'V@+'85Z;"M/BFT\K>%*1CB)3L)=&:EEX9+U;_U3Y4J*I&*#O?_QMUK)IV M1.HC@?8ZW,OZM/I+>]^&;P*PHU^|_,6WL^B/#!L9>]MF@CP^Q##3S&YH23C% MEJ/\Y]B=PMTPJHFL-.5X>/IR>2\OP#K>VO[%/!*V1ART84MU-[OYR M9:HS&*,W[8HIMQZ2=ULD^TU?,X3-B-Q+7*78N).Y-B2/.*S!K&U;P2-9#9+ MODN:)L{<$<&:|J2J42? X]#5O9M$_E(,DXB|FA/J,6S@<59^R!+2W+7 MDMPS+XVB/M1(@)]*E.PA-YI+O,0>72++[+N\++[?, ^]^IK7. ^; M-2C?+W_@27&L,)LJ%*K43K%MW5AJ0N^'W.%Z+_CE@O-MA[%'3AO@6>&W M7"C.1K"11A;$C2.:R#E''7&* 2*"8N/;SSC(VO^[$|)B4=CW,YK/[5 Z.Q[' ML2_.ON>W1;;K%* XS1=?O>;D7ZQKS=2ITR&]T0\F1_66T(6-E8H|54)"*4' MH-T3DLC*G,$YINHM==W0X.@U&:BC8[LP(,Z;YJ5S[KH4#H2PQ)6DC3AGF]0 M*--1WEA3EB2?ZI,-U--F=2DN/[32(!TN?G]:7;S'PEQ7%^R-.V_==Q4G3FE,IF8AOEDB? 3T4,.B2",GR=GZO'9@_]M-QUC7*H@K* &MK MBL_V6SPZ IGW]|+;$F+ 50-*T:\3Q#L'WT#YM(2C ME\X(I"AE+M*.A,$8&SNZZYME$+|S6P7V6/?#$ZUC3C MZSU0AYOSJOY4$6'(GK8:\LL*+.\"7CHO;7 ("3TDBI(8=RD=&6ZT=C.+6PS M2U_X\B9&X9M&L_'9/|;23='2(,4X,=|(?2|OY20')<_SR*|BUI!%O46.|_+T M-@D^UKSVQ)'"%RP-Y&?;T8 3DUW6G2H&@-/,ETD4,CL_6W6&4%X$=C M0;|1]>$VVP34:L/-5QM:5:P6XD9IW"+2U8(H$D. *DPMTGCG.G?BEUBP;;$H M78%(C&WC(Y!!V)8'M&*63 149;2NYX=M|$#Y/&7=7Q)H,8.5D"3', <6M2-/- M2ZG'|.Y"Q(*=YD=*!$<56NYC46MVJVBIHP?1HXL3.H'AF M 0F;&"U|)*_I_#D!^!D'FGF/I4Z=&Q)|HO>0?6B|YO/<:D?FI51,X=@)I MT:S>0BN:.XS?)2WS%!A315E(>V^5+=RE!ER:*6'.DF87XF%SP"LX2 U_S4ZQ M/_ HN<[_")%?DZJK?RA?7#0MM1;_E$YNE\0Q9)GRB*X]-R=&?186Z^A8J6N M1WY{3K.3=E)8HFR6B'FF%R2,:.^L4TEPNU*/L;E,NH?! 74?7QQ%+8A8Y+K(.UPWNLPZ=-^+E?)'X%8]Z2 M5(D5#>8>1>7*PJ@)7 I%M%^PYF? % K]-)PXM[M!BF;$R4A\]9+AL|>XX.1=V]90#H@)PA>|04T#Z$+5M0+$U(=B<(B$)6'\,9Y++>(H^_0ESEB9 MZ0LA.T9^[Y,1NLX|K>--$|4)K3:?K8#!52? 73P3Y A6UXATG**C>Z(=)=[;_*.M5"CBD-8,1@3+-.^7")OAX5-Y#0$/O)3V&5F#A8!,J<-1[2Y&%Z^?2AY=YQ.T ME>[&70UH&T.S\PR3.:D)@M 3R?B\D M=E^#L9#1[HJ07MXINJL<';,'Z=(]O=;N8=LPOB(4QU@W]Q! Z0DZ/$>VK/AH M Y/?H].ZWG#A@?M"I?/>HQ7**.-ZYD(0_XF_SSMDZPK_,08L++NH2$9%UA!!0969! M.D| <0%@*]\$D1 ^OJF/ -+-P$5T95/ "'''MH8:T\,1L8 M%&3^2#$M05#0XLH&-7&^S)+Y7N"+6"R]#&\$YR$]B+#E3&-8(1HN8-D-.-=Z* M=D?.HY2Y<=I[M)-,EX'MQ! @@J+1,R8N<0[*+CC//)G2$XFJ872]7A3NCG> M"X_OQ 2P?(B8D!BS)W@OUW@_E[-4GV.1!ODLA?(S(?Y]E<_@/]\E^R-=*MQ M7E']])(LW(LJW!.Z5AO'0T^!'O1(Q))TP E$FN@YM%;698 Y&Z^N>+UFC,$ M8^\[^EUF84[=QZ@.P\XLT3=#)?\FHE&9:FHM\F0)$RI,2QA3OA5-^'">^7H)3 M -%!QE\9/X^*F^/TBAI#Q;L7*KY+,+[]=1#TS:N \'&4:+9$4D/=]DG!\4 M$87M*=;|-A<|*I+M?7(E$?PD8B,|A 'U'=)6LWT%N&G0V/|02#C!KY[;>G?09:,E3'UQ|M?\'P0OI1,IQ\B>=<^,(C#BI#|\'+*M(-[ZWMN+I_YAO=VDUJAZM? _N+3O-6<#G^9QL31#M O'\\(R)[^ MO*_+;?N'NEW}>; TXKJZA6/7M5"K^.DGG_XJA%!TS;9=X2Q3@R96/..+;_]G==QO?B[IZ9P"Y!YKK)?2&^CUAR MA;HUM%%^Z#]J6'T./,S,C8'%9RHU$CK"|IXIWU9,K(1W#EZ)*,*?.9E0+*S< MPK[G?4@]-.0,51H#4S/NN>]FJ,K@QOPOW9C=BC;UR^.WLIOEBY57VVDI7?OPCT? 9N7_QC!/=.OK\E>GD5PN\QIRUW_F MV.\CWK2:+9(SD3$E#C#0=QBE[8GA4WIW#(B8KGLV77P'6 5]3FQ-M M/$\);X_1R4XD7O-N|O|NIYH^__"7(</JO+YLFA(((W; [2S:Y377=AS72FPS3_ M.DSS3^|O)?I=V^W^XU.:N2)OC@<<=F?/A:$G?$/M!N%/"N/U4JOB(N50S)^3 MU'1EDU^.X1*_*X./'?Q,#I,?:.N25\|%|#A+]W4FY>"*XPYKS2@OX>5.91K M6IQW&I7FEG$DE{O[$6?@QR|I NW4/KC'WZB/?HZQF-I;2W^@B M.XM$@WSS^>N;7_^*#O/=P_MB$LR[E|\<*FA*N2+DKL)3ILGMVHM%1Q).YNV(MA800>- S2*A(7G.9<"@[8:4Z*I.U1$:6D=^VD99/DO5V6695[L*FN?#UT+2X MS -#[6W(<.")_$0P/?:UR@CH%:S%$[Y#4R-@AF=F?LE7QQ;AS*IP\BG(ZI#*+ M0PM3 :O "LUKOES<_'YRKU7"ZX-4D)RPCGA{^:%%/@\I&R|-EZ76=]+[DV M0KIW!,^'$I=EO7<555K(0%!.#>D,RC)N]2_[PBN3D"I_K2K<5'1A#QG:FQ=\M5G(NEDAH=F7PC#8WZZR\PX* (24E<_<5^$%YTJC.M3R*W4Y>4 M4U/?KDCJS\?RU':N4E&(F/*AG|QS!"N CZUBZ!?0@@]FQY.\K$ MKDDB+2-22T^RZT3T[26&-N-FK,#6=^&=AVP[!XN-/DLK!:-$VX/_Q!H&$D4> M6;FDT===CN?U ;@3<7YC7MZ1A09_A98UW4:D#MJ9C;CZF7B\B#68N#:X O>H MC9/^7>S_ ^3F#CKB|:H.^<=ZWX:MG<0$T'&E;2=I,\E>041/FL.P*]NQ*5$MV65+_P<73.?.6CSF=TIG:NTM8VH.T MA$;WH^)&P)LIC4@RHL+,?>-N]46_]'4 /M>,AF=#ZA3A3W8U9!FXD^V$NG/.R>L^5 AAA!IN(EQ:]]R|HM7Z[Y;WNM(]OISD:^@;2]2*X!Z?;MNG'ER"8(GN>Q29;5N&ZPZP:+&VRC%,J6|-+"%\"KUPUTW4 7-I#>7AYRLH,> M=;TQ);.IU.627N?9B..Z\ZX[SW8>N>EA"(U$G#$T0|:S;55-96&//5QDE]7 MQ%'A%T>-MZ_[[+K/%O>9$P&3K 3QM5!V.M|NTIS:]-0)=WO=5-=-]3CC1;C* M35>3|'5XMJOO)35V07TR?N/+5U|9?Q&C/Z[;[-K=I-W-@_XM5_ M(%[|:B,)ANI+MN^7"-.]?H==8A=NR%C"-\]/F'G0Q8RMF@ACF3D#V770& , M/#O$"_O-T_+XR NER4(=X_6"OVY>;%ZK5AC:3ZYYIM(>71W#Z[Y9<@S#IJB: MV^$N8DT<_?#0U6MTAJK$W'7K7+>.;9V!I7LC2*DF5AS'$63|S_=5@E+B@AC5 M\8_&U@VLR.P'T /6,>6$Q_E=]^)U+ [+OANYV484BD&F."!7>B&/E51ED)UX+ M^M?M-)O>HKWE.+,FW021|9\91P5R MW%7U84VBW=R?1\!U3 ,.!VW2V1+T$KLTH[=/.T&NCGI3AIMW='-L-7]^,0%_W M5:.$8;B4+PIKQ?+^?B^D)/K?Q_]ZNH2RKY$RPT9Z7ET1HOM4^K[YBF/4_1'T MW>5J5IZW'+YT":T=@-M72[T'WQ4_4A$%<2-=41#S7T=P6K7'NV"IHRD/*CH^?&%$R_5$1?UM\ (^,+#6A& M*Q!.+0&7YQHCT33-<*U$>9; M]>G&_K%:@XE+7BVQXT7R:A I"H:_4^@U]T,U;?]KDWXY=U"V+<@76S3N+,SXF8DN8C_K!@J/WDZ43$[6-68DL!GX M!>R-]7IR!7OOG8I5N*9*Z3*\-$>85=WW)4 M#@/C%G1?5M]#1)&8(^AN$=D)7E|NQS)ZS4[H,\6\)C{2_&7I):7G\D;)-#5, M\|BG#72.C?,1Y^]AFO0)X[UH0$|$NIYQ8RR_S9YU R.! [X6+8G/?MKWHC^^A M+@+1L:K&,>3+C+47+Y[%8O84T@3"&@IY&N_Y<"PW(6,\A|9_V4PZD3 /PE*K?5V-.A_/2C,__3.C[_6.6<*C01{.6|1!]08'8XM2^"+\0 $$M) M? D)HV#_$OJ#U%,)96@SE5E>'9D&BW1\O34\ND2 M!S.M #@&VCG +*FJ9%>,,2_@_=X7E#*7-QV8L[$6 HC86;H2=AOK25"%&V4) M 9]W'8S.5F*_SV+XXKC/:^/ M=D;=,.=E1>VP0Q!L1Z"W;QK4.6WC+K"DZ.V1212L.?E=O:I$\W:SVJ5N>,_!PR MK\G.OV>50?\LE!QUFUQC,/_J/!HH \+V-<:V@:/&)F]WN;B&BXMF5T@)R!+4 M91U;SW@NKQ1!"] [,>UL6U2]HBK3-;2LB--FFF_,,;2"F6X MD$95WIQ;7=P)C%B4Z68NN',VSO9L1]@%8F2X6^$YT+9VBDCE,&,@9V\@U2{7 MN(:PSK0G%N#T-S]=@&7/O 5"GC!XYO5UI81!UE- *!,+T5KPWNPH^&YC[^_H)Q2D_BG*WUQ!?E>0WP|$^,U?#06>AXENPJ>> /VU$*"O_OG\ MK|^9WIT$=QKHPP6K@6C(H?,&Q3&/W MOO$@"KP]*>9/!" BT!7$_G](U66;N[:! [#V4D+G7M6;Z 4XW\0,N%JBLK?W MA[1NI"5+FK0.B$K8SS/ZQ,31#G]"4I:-I>=FG&R3*%F'(U-5;Y'KUY6PS&:U MTQ!B7%@/2N%6F.Y(_]?I4L|5F1$0#C*7,F$^8^)4- /VVKMR"VSLXH&%Z=0H+ MU;]*)3B8@8"9?26/0-70Z"0G\2!DAS\PE"_5;8%5=U>%\)H$XTLF$*;C)$J MYTA$@$0L5^=3GC1-S9.];7Y[ERASVSP8%G+ MA84=)! [<;,#X4Z!2BAA&^MNC3*9&4GDH E^7'<-7/3"O+ N\9|(//>55]X*EKAPV?>S-M=@#B&#V#U.6%A|+.1?2.XK-HCOR==4T2&C)Q-J4K=433*K+I^G3(Z; M1\+R2-=CO(H+7BKJC:RS(5*83+ ;5]|+RR>G)KF-_Z_D1@>8!|!,EG"OZ$B M1S/\V[_^\C>??'8*<]MSA(W$K'4XW9"C3,^,O"2 MC,^>#?QQ3P),4;I0+3? T%\&8O#]9>A>9G4,E.2)/SZAPI[T96._54^8QW!3U M(%DB<%6&'[ZMJ]/F^PS/;)DEKW2ITI7TQY D9W5L]F-B14GJ,&>-+4HJ!Y.V MQVZNP_?%6(,7Z9&/Y;25? C#$1/Q=P@HIFBUV9?UH3=N?81,'N#6)G,VDW*= M3T/#6WVHF9'3AKDZE:FGH7%5^$+4SQO4$"E%NI=Z-MGU[X*AZ[ST;(J <-J1\,8MGZ4+3VO' 2V_F(0/HW&N MM-P$'W1+EQRK:(DWF7CF5U1>G^_VI?!,UV/V#?\B^X<;YJ5]W7Q J^PWTRY^SJ+M*A04V4"K_Q'!S(MPO#J53O M!$'!086Q/6NDQSEX*K#"^GJER0FDQ&=/T$PBER2[6;D=I:AHU^[KUNQ^+BEL ML%=.O%CL-;VH4@.(N=A6RD*,S9^7XLW/TE1-VN>RH$,;KGK]>WKW1(TFEI2< M%$>1V++I2+VWBDCK^5&V2:T=B0KJJ.^U!*<$YB[-M.8824QQCVOR]$D]!V-*.(.8*R.I Q!!85G=5X]34-MR7W%Y\X'.]0K.'#H[,F[DE!R6LQ+XFVN =.]K.&*ENR^7(+)^XR/"X86.SZT MA]H[|+)W$[ ]9<_T2+N_7/WAS_/BT+!BQ.%F4,_/_M-X9=([V\95B.&T*^$%*LYLYJASU^L?I:ZKT&'_D@BW;_O1;MKD6[9UTJB\=-_M 0D>1U8(44B_^KH[WH79^9P."=P1+=2K*X.9(% .M15,***%;_G#ZK&][(@7) M1LY&.$JQ">?%ZK\\?LUN78S&F8/L&Q.@5/!J&TIA><3]HV+3P-9>BYT'2^Y M//B(KJ=)&[W/U!%)? _V'/WYY%._G=+6B?!+J.WYG?Z!-22-YVVC^C M,%+749)0M+RQ&R,T77@V<7N0"I5H^,,54M-,1M :K MC@DESE,GX866' [A+SNNW'SDG8(),YTV- F681S5.MU"0YY#|H0+0%;2Q| # M4441Z,#GSE6^L2G%Y"F[5G5^D,->T/62>|>#BT>(40O32[,VHO:<2Q=&[^M@K M$U+T.\&HPLYT\DG;^[SGIJ> O =BJ]1X_=8TRO7[L? $M3N3E_+MTXZL7X_#P_DW#|S9%O=C_DXKWNM^M^ MPW[+,NY&.'%;)7T*_3PUIN&B/@O[\+]EKEMJC\+]!@ZY1I-T^VW+0WF+N/^J M"\+ <_:5MJUI#HR.Z%,X W_" KY6;(>8-^% [A>(L+_M"))#F!2'

*T7Y(&D\4>IN?;")I=5#&]-M;FFD+E!'!93PR-NQ!%HI[E^9,7H[FASZ;\,/P!KX.T:A(C]5R5\G5(3B;2LV-M*F7O67VEO+KL^$=BO\(S1Q@A=#%GS]*R89L(@GJ&#!55#'M9_$%/;YLSK=-U-MNR=F\1,?',:IC0N/+:W=L>*]TD_S=_NV9E'9NN<(H>[3H*O!8H4[H)4KLJN8-MIC[S$>@/4T?")}JQ@GD%>@WW]EJS#NIA4DY>D)D388SR/^SG%RI!_IH/+1(Q M*XN%4.1.%SX)RH+3@8Z#N<$2QH &@'A;";.9*HU5QBY9=OL,)0C8:^P5ID] M@K*9>74$E:=CG9G7=.I%1)LHS;E.58*%\XLBYZT4;FVSV"XLA_F]W._ECH MF3&"J.3O!4[>2+62S!;G</.@2ABO-(JJ.1?BLC XN;SZ,\LB#2#8O@f3$X M&M?'#,7=V)$W,V&5E^'1I-")(C5Z M-N1Q=Y3*EX EM/+!5L)Y#VTM$CY5"G,?5XD/B]PP,7LZ?DTRO8/E^W"ZF]9KI[!)07%N M%.]90K&'N_:0BL#-BNI%%E[!]FT5#@+*=YS5>;(FOS.B#NSSE+B3?3+2YL$S M.#G_*R7(3L.MZ6TOE]I?2+0^N(]\,7[ZNV+U:,`?B=;RG*N &Q,#WG(##0U=`M_;ZUR:PY/L^4^;JK#LR%[VYH5BXR'Y;N2+^O6(-B6Q-)&-YC.W3E(%MR$@:B`M.AR?(>F"&EG5V^:0VA:GTY=T? T61.9GMO5ZS).% VS9S6]=50KZC[_UGA[2A-MI-+I39@TG&D6T(TD>:%#&UUKO X;7)\$<3Z;VN2!0BM<("5J M.VD MDX[@PV>IGHE22#QKYQDY)=:%4:6DPMXNO6'F5L+? =;P8AWIL].\'YD?J1\' MQ[6^:UNASW8$XE.M"7:U69S*L'R'K&AR-NJI,B0Y/\?2@GS'-?MG++F6>/S M[A![38F/9!"[\C&2/AQ;:EHN3A:+06SEX)5S6QI%HDA8 L6<@&5.\TYA"MDY+I/=L,TD040[`@W(]$,E M"VFUC]RG%!JQ)`'+O?-8H]X>?].KXF*3C),$8Z>PLY#Z;/%U.2, 8N(48G.M5 MK);69D(@7F>BM$@&^4>[[%5'0/M*Y_\N.0O)>>TE(G]\& %SE"RW)E##UR" ML7Q<4_&U2AL*F>TR+'PYC&"Y)'KJ\7#4<,9>EH_9,!) @)-2LV=_.M 6]6' MQ94Y1EH%?5\M$IS!U!996I!_T_/"$SFOI#CNPUF'/T04FJ , 'H#.=-U;-7) M:#C4PD.PASMWH0E2@vNFT,>1[.K&Y$=WY3T%2\WJ_T8I2+L0:U@,/%(G\+;(5DQ!*3'<535AQ<5X8^>]H>QO3"<<RQ>^4%UXV)268H_S+HW">L3D0 M#7J(^BR5+]F:<,?=AMM-7LJ7A4HN57#9 M:A,=[),<.MB$(C)NY)RV?.ACW3$A*Y"%F+HP[LDDVD!<,*)L&5Q)KE@*(XX?`MU!#F95_L;SB>&L*D--6IETVYVE7DGZ;[GD8/ T8N/T,8HC=1FD5|"=MBC>#^ MFL-P%64Y+M#[+ESN4]82?V$8[BJVO1<)EXDC2IG2X.[>1F6*_2GN;,DTPHF# M/H,0X-@]Q5I 3/JM.:,)I32[SR]@ M&*.9 F/^:,(9)8A+KQ>FD!#B;KM"S5K9R%ZL7DE9SP?.22,+,F5_@-@ M;C6>0/&B%F!>T]D]1(LI!K2(,0 7=C&VZ,U:\ YD/D^<@==Y3*EX MCEJ>XJI_X2*6L4NV.RENLIW9UM0&0%Y,*2MO1X'*K":48B7EN<>X4WT9JK,$ MQ HN3RP=&]0CR0N0:4%MQX>+?F\#:^KN E1ZMW!_>8N3;MDV:GV B5.DJM+ M;<^,670%0G&9G">$4E-/H>.2"JNWH9M,\\M=Z_W8X^KE8R6JC.I,'2?/930D MUH!U208JOG$-TM(ŒT,G! KJ]$OY6T82&,,2!A2EJ.L[XB$0D<& 7]TPI.O2@ M[7! [5Q452;1TMOHDJ^$W<'D@*T>_V=8|@M)3W BCS@UJ]R\6=0!.DW30'"DU\M!3NK)CR+2?!-2_GO?23>SE+CTM9E'M\LB?#=CO#%9W@+@6;#DD)M0\O-$17B M[I;K%8T4D$5.T.F%9QP+!U7=XX=5\(3:4U7IUFSH3BT;R\RJ!J!K]%QX;O)! M^]K$!?+BZ1)+ R#9E.-PUS)E.-[W618<4X;%L26,"-DD+#+9(YZ(GK1$>X9 M7#$XJ<=:./60LD8"\U99\]A=?)SXF.73F1\9510BRXU4-K]&W)-4=[S;SIJ M62R^PMD"2,4?.H/>>59K'8M*Y5[Y&NM7890:S5"E*=N2]HCCAU4@OZ#-(L MAJ-/ R*KK29)8"E0B@)YVJ/1P4!(0V*8E'1A9*IEK2D $/$=/]?LRPLE M=LH"(X#Y]^X\]@IOTYYB/F$S32PX3Q#K5LRX3EAC\43+24F^WS[\]JLE*ZD%O-0:WWP762M-M6E$2@SGX=P!M-#:?Y2_#M[[GG MMD;P_):VA%8-8%1ZY!RW8Y>EE!UX1L.4S)U@A=[@"V)K5PW&AC)<.X&.M[OP_M_U>'L4V!CA2]3 *.M\LCZS\+1<.M(0XM@^R-A#9$M+]=A.MI&ZTS\'LD[S\/="I<.;5;5#EH(@P?)[2 M@*=-U \F3&ZCNNI_;^BT',B]6?TG/.V!/WH.>XCLLC;P\.VZ(]%&>QSL8HPJ MGP7P?V.GFHQ)B/X9&H-[@[+=FTB3R#/9;]IZ7';#-S-\4U@8MHK@.XU9W+>S MLQ)N1OCPQ,8BTI*4I<4OO[3UE]DA;&;T1=+R@4UO=SBD&9HAZ2.=OR_T R4H M/,% 5A?==N.M$PPP]$#)"BB7%&ES8?;'-%"\CZK? C[F)EU(1,5Z^ $4#=0V! M*6CV'MIN_\^=JJ.61'09,85_M1D'=6.X8IATU#5S 5&-YC-7,)`;Q(A/#=]P M%]Y4BF\6]!;FB9Q=H/ PQ%GQ:HH]W$@,*=@STWQB2NU,U.F MA1O:8@R61H5-8*0VIL+)SR)X\W@FIW,=D>0YAY7L5^39A,7]XM1H673B\M,- M-I*W!, #A!CUR?K6LH3;2YRCHU?^OLY.R]BR:OX&3/O'Z>,"ZW+M MMQIG*X8K7$$&7KJKI'?"*"082AQHLZ9NMN$5W,9X%8;"- H>\;.47DWB)KH1 M7/^*BB$U]GKI65T\/6EJA)ZO'!4I!5'S83:Q?7HM55Y+E<^TB2VU2_@I<%S)^:O,+- VW8)H8$]'2L1=2AI5/D()=]E?UZNJ8,T M>C"SFW;.EQ& /G_A]@XXQ*QA+K$VP?S&?,5%@)R[&\5^6CED+O46\X6&_SPR MLN])D@=?M?T0,ZLW>>,@'[@\/- H!@XCW.W)1TI9\#@MZCZW-I[Y8O2J;E7/S.9&?;5 MN66B/_5#Q67$2_ZX_G[.*2_4?^6^$Y2,G66+C"9%7MF]1&GE#68R'(Y%^(+A MBEO*I)$CN14S_I8*%EGW*4/0D2APJ'T;>V8X':)Z%TV=IT*(!537_90SCEDE M6OQ12)N&B!@L]#3QG -=2?GN,/-IXJ,,9E$A,"<5$2'6&3ZR0597JQ>.YR? M,T$NR7UA6Q56@=1>^1$IFE.?!SF*)Z9FJR9GBB+GPXO+40H*8=0#UUKO<Q, M.3#N,OSYNN*C [!N.6C=2#2I*M6G%8BNd%&^6 $$Y8/,;(W"1DL?MVRJ+ M-(96VP4G'8() (D0:S=3N2X]-A,@:JZ*U#PL0WVYV*,)3, ^P632RH*Q;^6D)\Z M>*3+F"B&5R^1S W,V@L;LRY(MC?.IS!R-37>#L:-8E $WP/DS9\+'6,]S\%9 MSU& JR_7&HG .\NS2?E=.MJ -XX+ [/)NW4TW47X MB]A4((:FC1EB/5WW1IE*<(87Z@D*O^=V%^,M4RNFYDLY?2-W7X2&F"%D7JZ) M(>29FG9,IXR,#W$Z)$ISO H)4C+[0CPE(7:T2Z&S/EQ>&M==SRVA897975($ MT:XEQC!?]3$7G^_WA%YO] ^8.V 3$R^J2,/ M0&S-)KB xQ<)9=5QMH$WXXZ,"N^8Q*6,36>$$"E)YI.2@7"#6THR0VKU2 M#7/NVD<9S5>5?MM(7@AFP7:^,T,W^M I:ZB.MSNP/"2?OH755YASHGU-M^?[3 ZOVBD@L054I=;_,]7+NCL>8G[^SM!Z\(I $= M1Z*<1,P$>,1W8R.P>YG9'1=0?")0:%=. A /@76Y9><[&(+]M&?6IQA+ D3S M0$Y&U3W]XQK;WF_KFN)JXO/T=!!33!<$99.@/+HBOE-B<1]GIV@,DPA_;XJ M. ^ZW.!3&; ^1$F>M#SFKM$*0,5Z#<6,?D9<$[V!JZ=O?(OO=P%DV!0"%;_'3& M9&K/L.,O>!SW_+&K-WPV[LJNZN/4'L*VH?MQ\]97/GE-Q ><$H-H7C%OK8R6 MS(6)KMMRQSBAK<4*TY&RI@0'(0+;7=MY'D]A)@-@E/M>X6:;R3?@@ MG,70H/>&K(W]ZEH;N];&GFEM#!DWHQWG6\^NHXV43X3=QI5+2$Q'!BOJZ?R@ M\-' TP,F%T/NFJJ73UPUQK;U#*VFQB@+QKLYY+&>16Q()'#8[9,)[Y\'UO MP#&5EBBDG[I&V_B=QCQCE5& 2Z8X@B=8RDZ=_!D$S#Q2[:/*[IQ$F CWCCQ/ M+HGBQEMDW&Y!B :L3Z@2 MI;A (S[02]7]WGN/=4.RQDPN$8Z^4/N6*SM.GGWRV]SOFE>>, 7[ZR\'$+R8WJ ME8:+^89\//U+Y3=%%9!H)" Y]KC\AH<*%NX'G?B9EHHH#I!\P4,E;GOH ^) M3N@<###HVGUJ7)A$-"IJNS'HU64*&J6KVHNT4Q5TU.I!GWY64RQ!85_QTN.GW M==5Q'G!FM12=W2"HOUW/ N3P.$U!#*4_SV[B+ M.Y\Jj$0PLZ.TPA&A/.D4POY8"!S&&0YR\$2&&YQB2__$3W ;THAR=]3+'H M\.'), ^,I&P\[F/.Q=LX+2&M3"Y'.OPWG*+[S0Z'1.FG- ., ML2G7(N#[RL_S ;33!QYW/&PM"@[A*>X^>##,]/C/0# ^EK13!V^D:1/>QH^UX M2)HWW=J;KI8T4!@T$C^4&'OM>"4+K7C42#!P%H(CE MHT0))Z'9%!F%ZH"'-Z,,/+<^-? =3[6$'GK5)?QJ').D4)(6APLD*_ 8HI-L:[YRL(C%+--[*WVC+A_%,I]6,^CRJ1<#ZQ/:RI M5T[669II*#>Y 8O4=NYQ)C$VYT+3V:7R/K&IQ@F-HKPAWY>KN&1.CCK2Q>H_ZYGH64(H.V+Z191 MFFJ^-E!*9K[9"^Z^@J7+K2^H>E UU_@'_.:3"#'O09TG?K.IK5%BU\'C52 M.NDS=S>60YQ* &XXBX25?K/<; T?AZ3<*X^C@(I- 7K&125$+AX23O@0V%0V"'E:/M9$NSTF9ZT*\R!G5DPK 4I'QBFW3BIC M'HIP,87]?SGFA/EE9Z8^)6-"5@BI\T"UF2.< MRN!-#&.\$2*(>7G7*30 C]\'4HP=C$8. M%; (P2AS@'1HCSS)':>A'#5B02M M'''YK;KX6:(#-YBKSR\=X2EOOA"-AANSY*.A;+"&CT!<+*;<8>WR,7D_$?YI MMM6A(765'W89.8>W$]DMT@X M<0;?278EXL/.D@N[\'07+? 35BE6B6CB(_B*!&4>@Z[*6\'8 MDC!)P2]2WU<>9;(D##(L.?>;!*>5QMH$MP6 MV6T685Q.QYU!=3.!<4VW;7-WC1D _"N\\&OK0)E"X*@V&YB.?)QH1@P 5C2C; MF:%OMN?!%VIGN<@D9)_IPV/.Q@@0BX O*O-!5,'>:TEHB3.KA#A$@T2#$)#B MI'V3^F#V^RDK$]A?PE!0PJT%7-P0Y5#88]7WQ[SM*35FFK7R+7Z]!,/?I*M MCI+@7$#]=O+4IF2Z"?&=)DR1]%;BZG)L^PZ'$](''E4RJCY/14.A)"VFB?[''^<+'RM'^U;&1 M.P[?ZR,R3&R]2832T]I>D8TIL6_NQ@CK5_76-"F)V19P2%2[]'.+DJ@SC#XZ M*: !Q^JW 92ESDO MC"K,'2!#'(6(V!,(6D9)X=@2A<*!UA/HT-G,])SPY>VU%WP7*PN!T0]=N\K M#;#$\4P9[>W,>LJVE6V4D93+ALZ$ASXR6O0)8/0'+N#06HAN%/8,.J952..H M_M/G+UWO+#@J[\N]_O8Q:^'$BB1GX@KIMCQ)WE_OA/F-$)S;GW?C[>HU0+BO MG)VB%Y';_U]|\N .@[FDEOO2'RYL!)2B<$/I#P)96%FH.>I1/U>- M5VTC&:X]D@ED^B98?,F5:S.7EST:#'T,FN;+OZW[V><4D\RLH^CR9GB&RR"V M.SK 19S^F*G^(,7%(BTNQMEZKQ?LCW$QOFTCN>IE<5XM1GA.&AQ>CAA8U X< M*HR$87P*KK3(> M%)\5BA9I2\)VN,*((!0_&-5>@3H="*=T4S<*;E)&-DTM M=Q4YDO0D?R9XC4JJ:8G(.>P&!LF*QI.@9=%5QMH$WXXZ,"N^8Q*6,36>$$"E)YI.2@7"#6THR0VKU2 M#7/NVD<9S5>5?MM(7@AFP7:^,T,W^M G4+W+WGO";:=[9V.[92&,P2;<(ZPX9%O0@I/Y M%ZP.ZW9;5Z9R_ CAJ9Y.F M@V*[_DK18Z46+$Q&L'(QC*T#9^\H;FNX(U#'?U03&E!-5,17#IG^$H-'TX MCM*_'2;AON5["C0;#OJ!:64,*<[*#T.CGY15>^R(^7P&O9B_XIU/;TY6G. ^ MX[3^%KLHW1L{J}8H>R'0HL>38*G[DE DNY-./KU8LC!02)R'TTFLAW^_>IG M] <_9/;2D&3/TI_!'X^O/8N4V\,"=^F7N3F1&A0QN/EZX;$BN25N7;RK8WI=96^W%4#2]'5U4GE\?E>^XW=. =;\$%#IWEMS%\+/@!6"(1>2B>GM(#M8+HF?M"T)/M.2X+ (C(J&=9(!2EGF].=V/V XS(AH@ M>Z-,1K=X-&&.;L(@M!ZT^N7L:*+,,[UV5_FU*YPD,$[.DG^A+/5LRB;T@')Y5[\4:6YVC#2$RF]>PQG31FU[>*)K75K,>\4SC_(41HYGDG MXV;>[DG-A;^1--WA(@HWH=K3_E RF= N%@3/\[_TN9Z 99@$@J:W"%-3M20! MZRJ3681&<=-/FY/D4>,!LO^CE$>%.\/1R9I5"62;0OWZ+?216S!)CY@CH_&(M2?$!X4T-N%QVQ$N'^Q";PA1/Q>Z)9%3%I9=#+MBGLQ_R<[V MDE;3^/@NE]_!DP7PI9"81^CFU+.,?7W4KO[U;5%-HE4S;,61KI,$!34NO-"'< M@_K)$Q&/2CM4_=O^!4W9-O9;_LBOM$W9AW_^>+?'Y.J>2.D&EAMTM!B>@QL M3.(Z)@?5B3G!9+185C./92%N0%YYQN9/;L7;/LZD\QL2C)-*1T1='$0HTS M3|QI57"F!$E%:AF /'!1T@C<3-MOF;=U)FL0>OP',)W5 ,@OMIDQLFM X$(CN%'7(0]QMS E[05$(5YFV@*,ZPU_MR"=YH*8F_BX0BTV^37KO$@-_7W/DSV62?$1 M4G@U(W! (O6F4;^".I@W(3>_;_7BH,D)0XZV6YD!+DP!2?..:$T;Z[/5D*(C]B M<05DMGA0O8W*)LJN8=G_M.;S"?78]HJYZ87DV W2<2WEM40Q>4QZ$0\E-6&/7J#&8\)OAF1.[0.], M#.3)"8,S=,T0QZ-62M-*[P7=3$]DU$(OP4=QA +/&2PD'\[VC?B>/,&JR MH&=NI"3X!WJA!N*;fKL5X;YVI5S%8(/*UY1142(J'8@W'IP8RZ'MC!*30-8TFZV!%\- :9*Z6YM4T904RI$M19=X=_]1808]\"(,,,:%U/C3O^?:?1K MD)0E44,*J4I"D3- 7!TZ?/M?GBLZWD:5>+#E2VF2RMJBS)ZY@HI;$HC7P;QBL/-)JWN@0 M@Z=#T 2PTQM42&00VVB=88,;Q9*YZ^@4H&=%PN08!M[JV#LLL]W"0-NL^6V MJ1*0O8"LF&>K)#<]G\D,60WZUX&I%Y-R00^ 1CZD](H>45R/;ZU?L+44/LKQ MW?]*EJM\CLX J] <=0IN)$OIT2^OIEQA#+Z:#Z)XA_^Q0SG3B?[(PHF+\&. + MI1]A4:!'L8KEEU<"9U@;Q(O4JQ*]SQ75P.E!4?:#BRDMX 64X^>&QH)]TU2K)[*!3W-L#>C-/GE&M M:>_M. P9M)^XVA8(N-L9/R#,\ \B+-->IP08S#+4Z"DMX#XJ4I6O.*AXT6, M64Z[A-W;Z)TFL:WX'1;I1/JJ(&.#'#P)L7)!FHOHR"*F5N[Q$QUDRROI?@SUQ.%@IK M08^YX)98>),)(7+= (+P3]DYF$F)R .H^\&NKM#7FM99=0CK8!$29X%M(QEJ MC^=#9; J/7Y\343;"[/J"TUD]4A'#+4QLPWNX%K1!KNE6V-@S-/WGB%/>?? M+DD3Y,%*-MMPFE1K#C6:-8=O8?0XJZG_FMY+-X?NKUS]PHRB-X=EFIOZ%2C< M<4DKJ;W"::+"-64'Q2Y2CC2S,,>CH?""01=:.7#+*4;" M5Y 'F&!R40<+,-=V6& LWSUD%PI9TW2"ZM>RO3?O3'%-Z,XMC3%\V8<,::D MV)#6>=ZY1]A%"3W;E)=_+_W$*Y'1]L&QKBA95D61,[L>P5+!3<@GW!]C. MH13(T.,[-:#4&XQ.T8;A>@U-QC!LC9VP^Z65>TD5''!X5B6FW:8;+7+%B5R. M>>>0V,H5NBMYMZC- 15 M*+* 7^>(/,5-(K)TQR@4UR:?[T*]HPI?FEKPVVGHEPS<$'QFR-WPOH/2M9\G MFR;@QKEF.*IHWNNY4/MN(P(?AI8NCBREK1,^@)"*7$$"O]> 3EC=:=>:S8I% MWM*8#'!=T.;]8=O["XL&@&$.2J>@E6B8ULK*8)%X8VQ7N%.M$RKC2!"SR5.$JV.U315>$,3-O(QO"E9WLC'15CI-"%LQ(O^\:-84TTAH5F M207;*$?3&D&SMKP M^)R1>%C 2\O5PU0?. MMY7+NE!+A_1_2J%N;X:AV-M/,\46\-L6,K1C2@.NI#,$30XDAE7H*1Z?5WV= M2"ES\&2[(^?A]OR4>/P;%9B&5(E=DNZIHBJ.X6,G3",,O*4?3/&;,&ZI 7"X; M- ,9>46#R@03!E+LM!@9%> @*9]F/]H2>-<$V;!?P#*67:DB3Z4\1J?EUA*O Q M)2UYJR3,R0U]?$/E2'9"T;Y%0N66$73#4'<0VGKJGOKVL)N<@N;4%Z,A*1?U MA@5&N7SQP]/7>P<^- NGO##PH3U\ WCD?A -'O+W!%-$7/*4G-8N>]34*E/JU] MT]UA-%.!LQIJO?1P6?UHST(CHADC8%#)W>+#$D@FN8LD5<]A4OM.<$.QGP7RS MTE 4N GPJ;E;$NT'2V*'_AI&*C=%@S'QH>,J/I.QD"HHX6ML--9U*O2DQ-S M#@QI^ ^5^>"G9L"_T[5>E4E*Q?Q@ 38WI. M!%G@(5'O;_^Q9QIR4L+DZI*=>,XH'#>7L2DOF@XP:RJX[3T>G%X'7OTB7LZ MO<4Y]\U\F^" 8O!^#H>FI (1_H!C#;956'=*=ZV:96<;9)W[A*010WP)':I M).B=ETADB*Q86/LIY$5)DP@1K:TAZH@;NKU2R\WE#MPP;@GW* CMSG6%%2Q#8BE"$R-]43WS"8+OIX M4%%]JG863VD$A/])=:"M*$T)_T*>B/SMZ..4&3(R;N2'K(@AL@|=U|!48)+:. M5K4A44MOV>B"S14BZ\=:A;=I53$AA6WW5#HJ1A(;I4QT@FN#T\SZ9*BCHT]M= D#&E $R).!5MEC,' 91B" MK\M,EL[X#'RMH05K8#FF."JW(E!/#3)$'0Z,.]3K%WAW'G3N]A0(7DXI5<-7 M0MED&"RX.3UDK*7&9^E!Z9$G>,/87@N'(%]2/1<2K-.Z<0OFTX\-MW[@[K%F[L- +JGN;&^,^^(U#H6O!VRBFT2 %_XBT798E!/PRB-<928%NC%M>1 M:BY_/.=6_M3/XTBRM1;CP\A+#N,'+#;1YW'MA!90Q"GCD%-"7*<4:=]6&-<11TA M+U%X^^47"\NZ<:ZE#>*ZCV&_.OWT>L4G5_1Z7<A1:TS3*=A5C>4V7D*Z@;TQ-M[7696'34?;&8>. 1'M@^$$Z30C5Y8IR*FXIQK_J4H2",@"B'D9/$W9(8Q MWPK7]!8I^?BU^IOR>!A.&XVH38*6(!IW; 69M79*KM(DJ[.I=Q:,]=R.%S* M[?7)WG,:F-@)-3%$*14[IY%&/@?2NZ&A>VZCPU&H,^:,]1OZXH91_QKE/!M" MN TF^8XQUHV%;,+-`0]Q3DC&.%<=[@Q3';Z@QB5%R.(O=]S^CGD94B"LMOSI M1V^Z."?])(M2#ZV* (BV]4,#6BI3"-1&:S#U@1L=@.&:/$LXKW4(+:QASB:S M@)TM[*,FI C:@KRK3I&,B<)//"G(8)!:Q99]NDJE827N1*R#+2I/M46PBGJ M.F0]9BQM>0KOJ;AR 5TFK'U.[.E]]-TWTD%BV+VH)K.P.T1!^PT87"C&(=1(M0(K2[XYBE2<<*(^P,*1HB'#=Z-TV9GV6U!8Z#4&XF.4045OYP.9EJM9?9.1 M)P1,K=#OB)K$?GR@8N;S(# T^#M.I# .'C6ARG;65[>]1T>IA5(1+1GGE,OB2*CDMI#8"/8 M4HJ[1:HI,DO!W%&=:)OJF,6Bj;-8&0A(.NG%1Q:8+]G 9&1R$K.R*6C(V(>E" MI=2#F6;^BT]"HE5Z[,R'+C$7E0-;:DNN&3*>H 9XJ+ 3AF?<>O& MA+ 00T$*6%8X* (S!$N5RF5$1C35'0!]6WIF/VW*Y]2"1Y*=-TF^MS;:Q@&F3 MY[XIFP4&WA"\<:?V9*.AI"@P>X2HO U=YF56(.0QC6U@DIB'M3.I?#.B)& MY?.HJ";4>>1/=U,<]ID.[$=..:02"(D%_SP,_Z. X^9Z27EM)&<,-A7#CV8IN M3E@4N*^6HIPWGAO3YANPXY9LKH1>YZM%QBP!#W)+VK*;-!ZYH6LZR MN7FLNJ%48U8I4N_47OY$0%M6Z3OGN%Z@35T0LL9YYFDE/? 4@1*FO<#ME48%-I9(U!!(&\UF[%,7 M,NEN"W(F1&R8>YAS7S)$HS)*WUS#W -/^XD/=]@\'2U6[[_6'1Y]@T545F=_@&2 E@F_S;XN MV^,!1?;>I?8 Z'%%F46T]^&^J ^:/W<93=.1[`X>/&C9D*BB&(C'0=C?02N M9-V0*[G>]CJF2EXWQ "HFT@0STO_[CX.WI#\%K;E(KOA#_9A\"4H^SSNF M7:/ XICJ*>D.80&X.]_1^2]75+%H(SBL^@^'A< MG\@H@*'469&F1&9,;$'@ZMRZ=C#*$FC))$DG255(?=4J]6^N6L08&Z4D5%& M6$9"IF9#_+&;P1E%9Q0=N:@6;2V=LE).H/RN41- U*=6FX^GG68!P<^AI,PH M9J.8]9AAP9? E8@T>_2@DHY"0D"R8_!?]K;SQ;A6X6<=E=>PQ?@62BFM[&*IJ ME*!1@DB"ZK9>:!,[X[(^V=68KZ0=HX70=906 ZJQ(@NO",L.F.*=5C1)0/"2+&[\)K0 M1PC@!C:3!?.EPP84F"/_4\C;#_;V!SRI].'1H=:04+!)W$>",.07D7!9:'R/@GXF4'YLM$^ M9%5-I*)1QQFER^V4ZOZ,%(<#77;YG/3KP;)Y9-' 4>H+9@,*$;WVM$ONS0UA MYNWFZ'? [&DTI-+81_^0S4_J+$1 MM;!$SN+99+4:8=6QT)A<^W47R0^ \VI[,))=@^^$0]IJ5$ MAGN.'-NX\MX0*GTF:,T:,K= 6)(TI@%C0T6N75;"=.J? +O<4P)L*%>%JJC M7P3YWC_8P=T<[EPUC$>H0D6JO?=? /B=:0(+<%QN#\\7/S;T]ZM=Z<=$OA MJ8 0V-A4'9/^T -6>N0DGI(1;'LEU659;'>IZ8ROV/CA;9*'4*FHL-FRJO'>.TR95B8 NP2#EHT,.H> '159'TX\]L%-8[#Y!):IMWI[TN8QF M1H@(8,'YE*O']'S"S _-P\^O,D"7-FA@P)(/-U<4CG%8JZ0&6$Z,+-ID%/4 M2+ 2C^ \E.^4]6#HP]^=/,V\F.)99 QT5X#,P24VI^+6EOL6T4PU M)T8X;? VE--BD[E.=RB*]?S A/4=:@RGH0SR9XX-;"1D+!(FW/P 2E[":TBD M*76#ZNF?U2LQ"2]A2% 2:KQNI?P/QU+ ^L91_2TOY/[Q[=FK)=*R0FD7LR2RT ML9L9@"TO6X<\XT*Z<7R.D$PXZ?@3LU%M"<*X 33CYX+L,*?#WVI&]NQ%(G5 M.!(+/Y#OH)?&N44+-PAC"D@_)$XH1NLP'4Q$@+"T3'!#:B)N2^R(FWKIEI/ MM=@V#P&FG&7O1E7: 87!B$9+LO4Y5?:H#P$ M'+M,>T#R[?2L0]T',2U$;L#4__+.%YE5YU8WR9" M0P=W[Q09FS!]DZ8F? >W!V./ C73'&D![$*RWB#DFPZ3YY0*4!3=[DI.[@WC M*]RO0O:83'X-ISP!LVW9K*0I%C'?L,%,)\B@P#8Q ,28C=DZQG@;.4-JB M1T/5G*2A,\'=Z;#*UIN)F!*"R-DEP>5#%0%?PGC^W:,;9/(LH>86?O?O1H9?1 M&L8#S_*/F- J@K1F[0.W2X7D1&MY/-+.WV MG$\-ERCKC1#Q-2#(&6M4 C7H8"YM5I/GZN KHO-ZW=4/0NVFH-LH649E6-92 M<5R(^+C?]TKT6N)4!27PEX#%%Z!N2F Y0GL<@P'QE1QGE_AB@(F3RFY3-WT M+'L_M.FQ:\B^00H\C$%R!W4ZC4 5E"3+88XZ]=#O\Z4/[(: 3!W\A=>%STI6 M>.YFE>7;,/\4%# &:PQ^$*A%%CNBN3J$!1]/MF?8KSU-K.5"0!; "2*=3Z& M=?T:J%<>>7D:JZYKY1#B (?DI/+G@#HX`_M3A1@$B'2R5>59X22QFO$.4S> MN8\0>!Z#44"R=+!WL#F1@C(''D#FO>+<592U MDH\>=_VM$KH:61_XAPCQ1BU4*$0BCK&Q)_*S1!28\@4& *;8-'#C*GXXI<^Z M8('QZPFV:LU05T3 ZP=*EYZ'_M9N,V70,W@%#>.OD7_2965O!.PDF*$2R1IP M-(*=D3$+,5H(0Y=- $,F.?>$9(:6,D,_RN%+#XP1S!_^+@,08QR>L081S;RB MH+3#N##;3NZ]F!>"MOJ;6H0 M^5E!ZCVC_A2Y0F'W]$D=$2 MD)N-4,,5-9IPUQH?NV^S/!68%ZQ7EY(O7OQ5GA1A& (*@S"3J/"!'UN$\VQ^2 M7F3H4VY=SIDV]VD.?T\3_%%(BK$SQ8%?"FPV5,OLWW/V-1:< ^)HE23G61S M:8+$SXI%KEE8,2_Z\<=7A*2MO.L"?0A.4>9IWIE%3.Z9#'TF1]V%Z05; M+N;_/@>O)-_?E!Q+?Z)$TE6^1;L-FQ PU M_30@^/B%2V6UP'P2DETRPL[*23WQ2OR6-#H8G(,R@:.M*.Z7'@-__MY4?>/S7O,#\,ON?>#+'1#]& 3X]A0E;8)I9$RA\LF&&Z@WU4$P MJC+<&EDWY5$[#YX9N-+/YTV)\[@6$KR4)##2O'+^_+/XA7(G)/%G$IAX6(^2 M=5)%OD%M1W#++DV0;06997>YE1GL;-DNLI0-GF?;8 MG'+.'FZ$[/6XBY3(295^AY3ART.![= (9FY7M8)T@LWE.\%<6KJ9ST.%0+90G M#8XO)-X89\Z"2Q95@E0"-M3)K5HH6B0GN*6F@YOD?^(\'6U+,._.1"/A49;Q@PRJGHZ9X@M =@(3]=>QRS5 M@[TQ2S5FJ;8T2Z68? >K7EMVKSUH^"I=]4M8^?T.&C08JJ XA(>KCF$Z-0<(; MO]$,3$/B,J-E%=Y=YYU!&K@@U':5F ACTI_V'!T.*<]9NN@X$B%CLN MH@HRP1^X#L!4=94F'IC@<9[AU:,78=DV, ^5B9U7.$66>@HCDRGG'2D\"E)' MUS(A=;?!Y]&[42Z*NAM9H/Y99H4EZ%=:7(Z6*A,ZK4IQ2!2Y!8[2R0D%-/1LV^@9' MA[9BI/:1/O*1R.;&30D#X28&X(S%*!C BE2 ,U\W/>50DY$\Y?A M!@!PEGBZINK[=7=V1#@3F:(D7AAY8+9'C=RRO(-QF2C-*.6G^F/ELE'83I-) M#'4R&UL4FS;OIJ2_6PL(2XFL1T;!@0O\HB%#.CA'?E#DH2O}!+J6-.N.X M0%/M/A6E20VPG9G?&37FHJK+ELQT^E.>O<-%/TVH>$Q36|JC'"%E)I3%!SQSZS MH!&4.#_HHS\]9FRJ[$W+E:Z;1QHZU6"OH 93\!Y52R<%2[:B_9;]O$^,15_2 M8FG3/>"0%PS+++=P<.2';)BDH*DIBRN0DLX6[(J2W9)TD@DB&+5N5 M;:-]*

1%^X&K)8RRK9SG9[`3$R)7'!^?:M&N>*$DL,3BPI6H2[D*2:'WX]\A`M3"FBNI);_@MSOH]R>09>E$WKJQ(9]O'8FL:9D(N6F&V($`M:Z!R4'=Q>E0+7`M1V456/$YP%4@!?LS HIOLIUWV?P=^C;3'LIP*)0QZ^Q/6935M]N*G;FUD{(D`M0SX0+E5MIO/M2E.Y:,VM3.<3;WIT:Y,E$MQBD'O5LCRC*"92S)/BX[#3(O5( M!*8TRS%;TV?*L&]HV\^/T<&07/)Y,K+"NAH$6LR6;.B`9C2L*U2V4*0!AC]"-MO!9\HXO;O,ZIA$%AE]VR>4Z6<3_^Z=#@J8+!GP)409'X45T+HXFKT/H=>D MYSKH>/9,5{@$\]XO\XDFTC^-,:#ZDG,@P.IB.7!H5#][5%%)3VD+#F M&ZI&+EIP*8$D2@FZ2TL7XQ@Q0%IELS8)@C0(5Y<_'Y"+BPK96C*'RQ-0OLV& M_!8WU]:2ZQ4>-3'+L$Z4C4EN+" M===<61_^<_T5IN7E2G_"O)^`MIE/F"*#L+5F31,/"L!W6HH%YZ:<^.9'18][7+ 5=EQB)5VE1M+4Z!&MIQ-3;@F>AASF M ?O/&Y]*A^HC(+B*6@$RXG",YY>AI$2'"%N"G.N0YSD!TN$ T[FO5#SZE#0[Q M!P^ET9*"H-Z I-N_:SG:I_$ERQ^]):R;W,THK(@' %RR29,LI?0-M<8QLG8V M44 -(RY>6<_@]Y (XB=3#]$2%F8,4(T4K'QT?;SNMX,Q,=146H35(YZ4]<U9'M%-@09+FTL%))#}3(G\G2Y233$FIV6&=8!.7$?.&U=O5(.\LO'E5]@B$%*UPA68$[O!?Y5U"+N/WOXCPM&GKTX/#SW M*.>9?I?NMZ&K?-.%+=5?;?#4G#9,B*FL/_XF"B?,3MQ2"7'4&UO9BXU1#*(D* MIZYSYF%6,?.$93*B 8\"!P@$?J-X!K/#-S+,S<_*3 R2&N)Z#!RV4V9TX]-M123G\F!>OWDZ,NA'?0WY4"?$/<=U07G"Q@'!'R37::S*DF;MY6[CTHVJD4J92$ MU*L8HW94Y;G(Z.SX|)9?NO&XC<>M=U^]4#+$R0NQL%ZU&(,IG!"[2<[71'LZ M;#8+G^6EG!C:5U+ ,:*!9&/,CI<-)],Q9%*!1ZPY+@[BY*7>]PEQUF;Q/=W22-MY6GE"E_=%Q6\@T-Q^?ZU:)LS]6 M\HR5/'^RDF>|*C[+5?'=%MT/U&/58>T)-P4U/A@=]0-]8=B MJJ&I^%^KDD$$;Z7T/LFJ3% (F0JZ"GK%2828^V/25IY30 >Q^X1;1!'TE&^79 M(0CTLJ(I(P\X.IK4B^@MQ4%)_.:,9(+GP$#)A8XV8U(B$B)ZFF2C28J`M++@?CONAB'^.,I,198TJZ^=-JJ[_W8\C$HZ#XF9A@U\=<\GUA&6TQNAX]Z'28-M6L!Z=_*8GZF7M,CS%_M@)[:OK TC2-F/1!*PO+$7'@AMQ5DU;Y=X&\^%O-24)B'*#N:L;"!CW3^\M?!T@8'0 >'$7V(6$]XK]'"OL|UF)*$C0ISE!:8>2.D"HZ,N+D4,,UJM"?WC" M+S/D])1LB(J@^O47I-:X>RE4"H:#9OSFB]+Y]%W6M8*VEW#3+C6L:@.VAS6E MP44:5A%4S4!\=4!W(FI* <14!XT>&42L.7>D+3P0,(88KX,Q.+7"B_I8XIYK$ MTSI?L!@$?%=VBKPPZX-NJ>20$ U .>*URL;75=-#%4V1WA@MU6#=BK\;L397 M)WBXC KXQ2-G\81^B2E4JNF8N@$DW7S-5I"&9,MX636I22Z0IO5(-\0'[*

*GM(C'"*U'<=9STY@^ EX /V>Q/7HUYJ=K+EUG]KIZ\##?O$UBI ME[&X[0?9BIM7@OBQ-:ZJ?=LY,H0+ MM"FU-W4@,;#A!"MFW#I@/(B)5F*JKR(H9OD4F5MEPQ8W=S]BMSE7 !6? MLIW M2S;B7 1H//%/8[T']1{C"I*"TO+, &139G&3;L"=/ ?\MEX])-++$"ZANP"VH/ MYKOS)%P.02%TQ-65%CFR#/)'-*00U] M;(IOG_"+M7-7S!@JPE6CL0"#__]KUAXUWK MM $\+"G="OP"M*FI."U@#LE,=R>'VE9T)E!?%"ZGH>)1T44B0\8WJ-,5T%OD M$[81,/5'G7ZT6!%2"7VO)7@P7&9L4KEH!(ZTZ9+Q]5"?AF'PU1,^;OY +T(1 M,P@OB(=)ZI@-=5J'96?$'-PRSQP<\6\8!*.=|OTVTL^("H?UAO8SAH8ZCV;] MB$=FI[\G5T?=;.:(\(=R3>F!+4Z&+I0"QL=2%)V>F\Y2^"QN+<48<6X9I6P9;AE^%% [H(77)BI;7AJ&L@.R>61G[%$:3S<>!M@14D8L"@Q:WA7 M.05F))*L"7I!R#[KYQ."JN'CK5K?1@+{;)$#V=.E(TM ^MI"8?HLZ)U<'F*A MT]ZCKN1[HUF'6V/:@X%$0';&\3MF.T"7SC=>T, ^(\#T2S>OV]Q1D" >/_XK MW'I!=H)*GW:VG/#C,G3%74JX=A0\XVW3^(!?!T&I$-CT.3ID7/-\33E0'F< M7W!L$%%O0MP<#5>/!%1S FR8.2P:=+K0(G,1D&,H:,S8M/*=DCYFBV!,F<& M,E53+]BJZ85LA1Q)9+N0Y,TXC?#4CTA[#2?A#&:J8^-UV[0[B8MM8Y=^C.RYW M[R71$D..XBV+F&W6P Y&DW3G$\59"!>@E!OD;3G*H962@>8Y4X-M!?A-,%W] M+#L@UN<>!W,&;M[$MB2]]YNWLZR"/)-Z3)>H^!YJ.UURTN0K!{OS#T\ :$G M4VIHVL>|{_0"MFF'\R[>7&K,-_EKI+_E<4*KV+S[*H'IE7QH17 MQGLOY"QZ+TGU8SV/>HG53K^A+PXP<0SLV1UW-YPVZH3Q[*%@U%A\5/1N!VG MK^)KFJD)S37. B. O] ,.UWK>"=$5U[0VIY4}'4;K)9V<7@-PXID!_1M4;]\O M> 4%3@;X9!D[6!W/%,V8IA/9W1P.AJTD\"!8B\,"UIZLFDQ=IE@.'+%Y\&]0 M?QR&&O*XN>3#/O_I_-A#,DRQ,EMK1#5NH';DQ!'FP^! M:/2+HGO,AB6TE4U*Y\W M!)DX;9.!PZ09}XYCKF@UB=+*51T*\,@9P%WA,-9@ER|*U.2AF/?UP*[N5"0 M<.2VKG$Y:C%K43:DWG4 $.<8OA8.%UEHC.8&V,)#?5)Z9<#8- MI::HN*(!1%;C08D@T5]B$ MXMK$JL%2X;%:F23 HD5(2A[^ ..ZI:CLQOH0"XX^VPTF6.Y\O8XAFC4EP@ZI7V?AE M37C*F*0X2,ZOX,A-40UDJ2QCYIJ@&A=TX#K1RLEM66]YTHFB;WU'H39974 MC>`P+", U*4L?PP^^+*:J*T:@'G,&\Y.'TA M(%$3O*5116$@3 5MI!;8)68_I,&/&=@#+#N*JEDPN< \|9<@'C* M"<_6{(T_0P-\;JR \<2O>#R$ "@\$(.CLL-&132[!O04 H2BJ@%"QGD^(T MJUK?F\ OBJ;=PZC4!8[M95:-%"UC|QN5;"C'Z\, NE)!IJ,?_%#*0:ZYKH+, M#:LBV? 9D\|+*73;0EI!U8!PKO(@RTD|T=P%25^F-7U-1"(9EA?U;KEA.!@,U 1B.'X:&_?|%"YE.VA0ODC0VY}>A%(4/)H'KF:& M]+J1/GK?"PE"5S*)B9;.T=_;5PS.M0 M79M0A;8'^:,/"3Y=FMH[69_2GA"9CK:)KF>N\/>8ZQUSG%\UU7G1'D+-!JJ-P M$R4F"0I .5&#)2)M+W.,"LZ%107+E;'SK:YWA+2Q=DTC"8UO0LU9(%9$F&OM M7R-A(ŒW'WPY?.L(P9%D568*K7&/9 Q(>DFON&O6W'P1T@Z,7A[D)M);==_^MRQ9:UVL)?MZWNY-7]*J&O#WRX6T&Q7'/B88URUKAA[ENZ[7YB*WE=R&/$L%)IZLVADA#B)W:$5RP+;7 MVBMT#17H)51'-TC7Z: ,TZ>=R*9O0\6,4Q.4$,%TYR5IWI,"P:A&*?-1J)VM8C7/97&+I^R;0WH|*Z@!"Z??H.4SV,/&1C6O+0/,%YIV-?Q*2DCD@-3*Y>NOV MO %M6\."WIMT!W8=B.=Q=6#;9)[+N7"-V2.RN^=)5:UA{!\HZ#= \> E^P9Z M/-$P#NGH)>@vVYBC>)/ 6^^OXAT8?SZ_:=I9S7A?V M5[_6"-4;UKF_3O]98853OOTV2%(Q#*C[2 M%Q+I"PIAHAH!S?7% KF.);.I3T ;=.E{[5#C#K-Z6\YV3>80$/-L`>.HPV,I M,_&48B#$H\B(T6Q*)US_]1H^?-2*^2E3.:L[6RS[]>@G,,6CI_?U,`;XM!4W M\I M+U S.C$F*I5;#A M7WQ@/_[<#*%E+)+KKZ7,7RIBXZ1ZG7F+#$RI)D6RA;8B6,%R)IH396-O5*=PB M%2ZXZC?]VF>9?J7IY-L/#FBQ;C^X'9B,I6KBI7"='Y6I8\C8!_4Q-3FK8")Q"=IJCU@'ZN%'HC8E1TI=56Y`M7DGFBLGXAK_@N<>>)>*&J"??,,3.UQCC!SA85WIKS@J]`%QO?8Z>O.P\WB^X4N+QB>@ZJ;4I-+=&5HQB!P M1(;KR@B%-M79=)BXZ1%I%[OU,AH^"O4DY;([`@1^1?:1YD?[5]^XPRDB;A() MC$>/MOV8HK5HU!9C#$6/4,9 @5M9 M$QE#B1#V+T:]\T="'GQ08C@&&-UA:C@+T&6(06|(CL6&I2\'-XAR\V<'\,-\Z M;&\+U7+JB??$TT0|;Q!O>LQW|;Q"L//L#X54QF]H=%} :Z4!9G=R9/2;'U,'-MH 8N-.$L7Z>A02VN!:.O[42VB0%GDY5D|&-6*B)0, MZW4(G>JKXG8%G)@-RDI"6NK62&KA>=TX#K1RLEM66]YTHFB;WU'H39974 MC>`P+", U*4L?PP^^+*:J*T:@'G,&\Y.'!

*{T>2.93KA<_W@\%?)"Y?GJM!/4W)6/)\(`>/%(08E MG&3:$FVF8RBDK&Y41]9F=X)?@9U|@?>4FD,8R)(VM:S6<=Z&M!6=(`JK,G$ MHN!UL&]_!A;>Z?U#UO8M28)[P0I?*2 MJY 4T>#HQ4L_8O".$VP:I017F(X.T)/*]29RFX,-^`&:,$C[4R[>25]JC.D4V MN%X/AC^IL&/A1-#1-A,!)5SH88TNS!@NI+H]_1=U9]2<%4+>(HMF\'1G=$D]3AB08<-L;?,CMQH"Y,"ZI=. @)P. ;?N#!4$ M9Z<9DLC"4\FOQM^=9]7HYBF35.6Y$&P*&&;%_5D>;8,Z>+HZ=^+I5#R77_>] MLY&5%V4C1I.%B0&1H7R"WM_Q1**=V!;0K1DY9_L&](fE)4*14-]3S@MOD9X ME%,3V_PP0F5K*N FGCD[*MP@/1'#K, VG;]G[!N$],\^O5T_-MQR_\I0 MYV6Q=]8WP$"?T(A@*3C?.&<(A 2Z4%[CAX1/C M&8,Y1X=A-V\V#\]>/3-RMNM(OK$=+YN>W.EG7%. D4P1&!3^*#99F MR7%1(@L(79&@:1LD*>?PZ-)A-W'T'E\:X#F)P_MVKV6R;G],UHW)NB^:K#L' MCY!L!,%/2:VN$,\I]*ASAI_PO<:$"Y@IT%OT.+@+2T&9 M(BMT"3HU6U&9&3P/1_T>)"X*%2-@H4*&04,"$24>5U.H)FN:O)M9G5H MQ*@I<9*YTX@2EX>$%@R#5)#*8 M6\&M W+Z!:.Z7(+N/_1=$ #YGASR3;46>>=D=/OW*WQ^_>#D5UZ6*R#F?*M^)>T-#>`=:,M)R M+1^+,,94Z<)NR("2V$,ME*.8DH^+1(W=/=1ZWB>Q!W@.|;QJP87DB.1D+H_ M'395.]_.4(?DY=RB/((5Q@4T] M"6D[W%GI$4E26&9XA:<>$P&P$9W)-]@-^U=*9]]TKJ&%]?0HUZDT(X!WQ*^5A MW|{"5=$6_#Z*6T2)3Y-D7'CX>&_'4PI8NP23;!J5+M$QP3I5TFQS^|Z=1P<1 M0/@=7]DFU91G996G9^A{1-3'WRI^@STCDf?UH2@!^B% 'RURX\]VB4*<1C&& M3GX6+@;+)%XZWDB362U.^; MW7_L\OD8L/$57:DVM7C6+<&22NQ:@HNS/%:?#W M(90L=/E+Z!&T;7E=^F\'WKY!KP2_3/XAJ%]8/#TP'8\?)75R25G\!HLW;S_: MOZ^_^3:(YW%>SE IM%6!=]$5;2XIJ=C50JA; <%P0W;R$9S@NM*?,&+6-PP`> MO-EYL_MJ5U>00R1/JV3IX(R(\%X_:+1-]28>)64DB\O6D?]+) ^\H=1+/!R, M_WB!*B6%]W)CAX1/C M&8,Y1X=A-V\V#\]>/3-$L@=KL[HH]BER:8Q8\>L1? %^.53 M-NWGU";N-'"*!Y' 5YW@5@8V 6#1=R.F?VKH]E1Y!';L,G\[VHP?W:'TS%Z- M>3SAL!9AZO1P?U"@#*A<9XY-KCY\,<%*"R[N""P.8((0H0^'YGD *1]>Y2I@ M-MD3A6.= (72J5S^T)(S3Z>OF867]C/FA@>.#CRC8L* -4.ONL)MF+*K.'G\| MA+$S12Z='/T$@M6NB,R!3CQ)ZCSP+61W 95,&9V"3'BPLO)[0>"H?F6U)EN=3MH;.1X1V'ER!2@]CRZ-W) MF]I=-K4(=[$,<)F"+ /R?_"12#,2%PF_O\$KM0I=GY);J44+IGH$)&]-G!] M.ZM%*Z,8?L/] -=HZPOD5,'CL!U'3FG7]"Z-ASUQ@MW7630X5X? MZVU9UIXJ3:P0. F,12,> [RZX5U@P1XORK,(2F V/Y1L95XO,6Y93B[DK+!Y@-M"ZH?)-KUW)5DN=3X,6RK/RAALKC:>CO%"G1W\A24]0GJ>4IXP*/NT+VVO_$\ M8D0TITL+++SVBVI9JDX91E'FL1V.L1SS6.3!"GFD+-\KO8X5G1L"1@P,?"9\ M(>.8#N[SH"A.82/3?L M/NY$,V0&)C_H_39\I0G+DZG(074,K4A0.BKM>BWK? +Z@$C,!@_&4O4@R9J_9P164!@:%P0JCAGG^K MP$B_!!$*LL_3*EDT2M=@PP1^2GZ/4*/VV/4ZRC!D@=@"5ZQ:Q$@@5Z(2WBY M9_*>I ZD:*DDB5RE89D+41&SP-D)6*("!*> (GB[M-MVEF=G<%O7UDU(SLLZ*R@6TB]@!O37J5H^BB(X:KN/&#%6 SYYF1Z[%^O)6\V1$TI@=EU0=1'H7AK:#DEP0;X $NUCTSWRYMA75 M54L'A1$&C=[U9AV6 =2M+TGI$D%01KMSQ5-01?G$L,BNZPWCY$/DMZSLK/RU M0)Y.G8&?AL8(L6SU(\%T55_+A-3!F) ;$U);FI 2O-CS;(_I4()>P:GZ -[> MW%T2D:<$[6M/]AEBE5IBX%5-OR !@Z;U"J0IM:4)7/R!...@KJMO\S6G3$2P1 M75$=-->LKEP.+4+H+YJ*-VJ?S;D(F<=>\3+F*2.UH%DJ\"">7>7N9&:*)<(\@T M8?:.6%=&.6@(@_2 MBH.3JF"7OQ[@EW>6DG. 3.J8DK]+\$S1B!Q)]T(+5C$ M+3-X=3?GSUH"TT&YF8:/GBL[7%[F4XF1*$V52@"":N7B5^NHY&0#9]X..EM MX7'(<)0YNT8;8FRVZL0/(53(X-RGDFG6/C!.DTJ!B_CQ;)PKQ8#MVRP]GZ^A MWS1=9K.U,5/3TW*.2XA7[R]LB6WI##T2O&YDS6(,%7&C<7@!-/,U$D5&^]C M*@<66*C""Z[=E2$46!-+L,WQ1'25A#4\L6-,=4((Q<8)XI8W/;[_]2PTO2*@1T'003= MWW_$D(^P]K]F15 S=Y53C[0+,R+:CN/78'7VG1@=]/SSMAN1Z"PXF+,L4 M:[,BA315+,]6?2CU>;RF?)CT^FD%8-S'(=.DW)O./$C JL+)3-MV2FQ!$Y: M#_C.OBRJB+.DIMY9.+,4NN6^3 49V9:^HC=%X)615)C3$@]OY'@X_0\WCYC M;<Z^IJZBH1]=8#D9:Z$:-VEY=,CQI;="EQHKU:RF?PE,PO9H4?>L%-<[5HF^I=1,.9)RN4/+XS0.HIR4%O10.T-2'G)2S:23T=FH1/ M5G)PDI=_(HV^+05S896OR8"[-)<*XI^S=PYI1*87C$A-JN$5I^ZKXKC47BXT MB6B.;IY5]#Q]K/<7D"2\"MMFK$-.&Q9? YZG.G^HL:EE_6 MDVHU)$1/3]"Z$=E]E&RJ:*T$'L; 7.)>ZALVI?('UKP0K*\(R*SI*:07+T& M6W'9D8],""4E\?P*)@;CGOP+$[#KR0_P5?CEOWZ8DIZC3IUTH-7AL4.K.BDW MUE,O:"J3\F,DMH@X;605@RE*8/H7,(GU=.PZ,.>]3Q\-,]6K#&YE^]MBW:5F65-5 M^/;^WNT'=QY^^76]NSOA1EXSN_GT&4#BD7T$[9+E2M-.+Q&+L;"=V+\N[\WN M[NQ/7@N8W@LTN?[H^RSN7Q_QO/.WH..+'[%E"Q;ZVA.O<2;^\"+;LK:.V_W MWV*:T-O7Y=M[:V_O\3_35F_+5_7?E@W^L_GD+3-\_TO397CVM7/%Z^K]++]Y M7L.@?LC+^;M;) (RO9V_/WOS?]Y^-/7BY73Y:G[\4?;[/\<'YX?&OBZGFR@L> MA^8^@YV".91BLAVKI$OC9>PQ6.]\0+\F5?7VSG"W<-M3W? RV\>W_O8+..!MO\D)OB2_IQ^7V\"Q;,MLWM==;D=G)G]_]8S.?Y+^63]\W9 M\NCOKXJ#)Q7LEY)];Y'-R34&3ZLT4_BM;BFFJ4'\O_CUU26K;/^2#Z)%8%D !D;++H3RLI M5FZ+C) <W]DOZ\?OUHUO^6P?':O#NNW MSQ=_:G.6V'M[*0'4&9F'[uMD[MR9\@?SU M5O8>G(EVF9:-_+F_B<&B.3P^/CQ-0 DMFUL34$&HZ?KM+?#,6[V69?N!\SMV/\@K80,V!? M4LCMTLW*$MRI@O2P63@4*92H?51=U;)HTJ=Y\GOR9W_M??ZO@X?_6Y$=^EL0Z*ZP#TGNT*+YFCY3[Q*84GP*N?NU /;<66D*.*53V MWJ9;"4. ^! <=:.P47"7)$0WFBVQ:1A$*NM41DJQRMI]DJ2SO^\&<4S;^W.]$O75TGGLW@=FL.68;O_`]+&-P&;OW<&<EY1GA@,X M*E2*.PBZ+CE0B@0'ZV!5=,Y5WW5U53Z5GG:/HMQX&OL4$&R%MQ,!/E@=+V__M+_9NZO]&K$U\!3,U0)60ZI-_?<./OE[5DUGL"P7]@1#L>D_FLSJ,@>CX#.K M@D&B-O[@ZM*,B4;C=XDS/W C0/W=&S=B"S;B]KW=^P_'G;B"G3B7H?9@=_ V M%]R%_M(K]^^-VH*+#L.]W3OWQ[/PY<_"O2^Y"^-9H&D^W+U[,)Z%+W\6[GY) M@W4\"SS-V[NW1W-U"P[#:."1MP6&XLSN>A4^X$=\U%48Z/C]{(8$969_]U?L) M+$J63C2ZNGG'/G.$>+ <+BY^D_@3%;>=]]G_GE7?_>W"3_U*2(2^4NY31"HV M+2XE\%8)=ME\]@6^E"!RA(P#>?9_(Q\%&#ZRQNCUTlKS{D]DE'S4O?3E M)RI7!V6*3W)&V& ^^SA*0?)/(MG7K~ZY?:J;.1.&3"@0[C]=:(\++<\9+\6NY^-M&LDXWY/[^"8y%U0)XC)=9QXM$#0)"!3. [A.]#.M;QIOK4X@L3/764I14.7?>M/=64\"<2L!]=Y,"0+5[FBUV5)8&!#/DEZ"M?_QF:^IP'.V!G'"%DW^H@SG M=9\?[9W-5L>1V7IS=O9B^S)L\46E?>L!R]%^O%3AV9>>X&@B_AD3 M\4;-[VNS F_4_+XZ0^]&3?*#KT9L7U5-L[_RVW%R[O;.^[?]VLKAMB9R7ZS)W: MS7<0/CN9-]]++)],C^Z+_^KTMFT<7OHX_]NB6]*]A@_.=H/NW;N\]]ZIO[V? M[N^>-,LAT?[&>>$WS^V.Y(.WT!P_Z+*"D1CS2=/]+\?^ZZ5V>Y%6]4M0CTV M)75=U\Y/V\G. IUODF^!OWK.;BK_"DW8H.L_]L=&\)>'M^\0X/"A=+3.?]2[I M'.G;>P>>&<#*I9DGAZIWG[QK6IYRL+=WL-OKV[LFZOCF&:NW5%2]H<:I/O80 ML2CA(3^Z_-3AD/&!25'OR%-OF.UZ ZW5&V:??E>+[(*D[_]<&SMS# M>=W-U M]&5OB"DUQ@"_%C-K#!A>9Q-L5++7W3SI.D*(!Z.%M@46VA<(*!Y\L8"B;LQG M?W.(7 9",HU<7MT@QA#I-=, HY5_O28W6OFCE7]#)OCU*-FML/+'(.QHXM^0 M"7X]FF.TSZ[7$;$#3;L@$OOXENQ7FV;<-PNJ#%"+^NWP#]LMV6GRW0<3^ MWW6SW&Z(K7;EX=B#:U#?N?]@<]LWU>]1K@\SfM^-^NW=A+/+AWKT_8$N\%H*Z M/=?!S;.R;YA=_95;TC?,=KZ!UO*H$*^#1=P/6'.L6E#;VV5ACF',ZVX:CQ[V M#3&PQC#FUV)\C6',ZVR8C4KVNAMM7TDMZ<'NP1BQ_&KBE5^N?/2\]LXO%]^\+M+@KWYMFQ- \QR__2&6: WU:.\I16--R\(>$,LS%$#C";1M9]. M:!*~)M%63^DF^\2M,(G^]!RWW(#:W)O???,K]]$P^A*&T:,BSPHW^9\?7OX\ M>5;435+,W>1Q.6^7((%?^:D? S:#MF\YH!HUFT%9/Z28KQ*TP@\(.T&@ ;?64 M;K(&&$VD[9O..!*>)M%63^DF^\2M,(EN9MS6]W/ M6?%NEM1C2=)H?&WM=$;C:S2^MGI*-UDA;H7O-<:C1K-KJZ=TDS7 :!)MWW1& MDV@TB;9Z2C=9(6Z%2723XU&/GSP=#:,MC4=]O<=^M(.Y;SCI'33:05L]H9NL M$+?"#AI#0Z,%] FG]-@MLB(;4V.C_7,MIC/:/Z/]L]53NLD*<2OLGYL:!QJM MI6M@+8WZ8C2@KO=T1@-J-*"V>DHW62&.!M1G3J3]?/C#:!AM7R)M\G,R<_GG M*N\>CEM=BWV[RBC^!O9_+VJO^":-)6^59ZVSVMU MJ1-Q_\%YH-FIP//1]- ID9=GNM#Z[YVS*EE]/ZM<\FJG#!;@T:JL]8S^\HA MU-2IZSS3_SV93U6?<]-NX1+&U@AELI2=_!1/S_Ri&%;<8/_/76P:T++UWYO]^&Y MVFA<^\+W]@_0I?Z,@O^I%O]#O.N+- ,Z6W<&?]\D!?NZG%IOU%1V:;IA?9(2RI MYO3-MP,_-^7R^]N?ZP1NM*_.[JR:R5[X+[SRX=WN*?O_[.!G MR?S=<56V18K615E]_Q]I])'9E:BL@YHDX[=#FNF9 $O_C(S)Y)U+;,_W-7 M1):-E>_W=%"X#)/IO=W;=_\R,3_C4%&E(V!M7B MP?XNFDI+ ^*=,[,[^IOV[GUU9TI[<#AOSWGD["*+O][ZC]?/CP85*?[\?8$1 MHYP? >\:CE5_=^MMKLA'+Q>2(C;W;2VPB=>LF68V7>F@%M\<(A3VZ_;V^B2K0W,3.#3<&9<=9;5SO7WW<GYOMK=P#]O=V+A;K%;___:-MC=M&(CC M7\?I2I&F3LD "C5HF30+**C2MK<.FO9Q,XC364K+%\5:^_Q,R8RKSCN M.]_<#ZV6]V&]NVN>,HX7:QI2\I/3E(C=)&R%TL:[6Z0J1,Y9KV\AS!"&.P(2 M6.HA-Y1EJ7AL!&T!CY?(QYP'!+IG@.R5 C^P2H&+PMT"# !VZG!(@+114B0=) M?M0/!+^$"\#D\S#/HB0%"P-[KQ,N]M20]0[Z2%87\E0GK]0_)U.HM5VO='5/ M%C[(46YU&U2K)V"I\#@32V0#^0WN)]^ZUAMH>MU*)5OJGEP@W*]4NB4+-TVX M1XD7.8Z_/'6\7NC;7DD99IQP.!1RXF>\<.BIM8I90Z?"LY[>T ?5W'R MDX79MO%G)\T:? SV]^WT4!2L64A&AR1WPN MCU%/H\,,NZ'5Z?U"COBB]>$LNGEH6K[H.&O MA ,_/FBX/DG8F2?!$CZB[#9^]P=02P,$% @ \#D(629=A[F.N@ ,1L! M !@ !P87-G+3(P,C0P-C,P>#$P<3 P.2Y[<&?]LNP=84]VV-K[0*AVDMRA% M4! 409 6E0\0$1"47]{@4B(@TJ5$07]D)%&&*H*"""M(CT&GH1D1Z4WGM0]Y_"% MB9.+@XV+E8V=]4@)&3DXAH+R."7E<38&.@:V_]NI"U>I3NC=HQ9T89-^%0.61NA:83V[?@]6 M^*+5XX#CM!R<7-P\(J=%QN:-V!?,3 T,C8QM;YO M\\#6SM[!U=S47%) M:5EY165#8U-S2VM;^Y? >OOX!S.#W'T.34],SLW/S"XM+N(W-K>V=7?S>_A$O M.H"*)2EUS&X:<]&^/_Y 7\<&+.4%.07U$2^R8YY' BP4E*U;._^YW)"4/H39#=NU MF!+>%]<>%+NICV;T>]]!R"M,BN_J/W)[%\C%O!? 8O9OO/[.;PB@R<#@)X^<.M!8 ^A[FNB^?*N%NMB>Q.GZLU2(#_&1)@0:TA0P8C MLCKO>Y" 5A*PWX]HT"8!.N-X$D "3*M1TQ;8K'O8#O,JWA*I/LDW3\O39$5P M"^^8[QSTXG=;RL,("K%O[H?]HEP^X=R@+VM[X]=3D5:.[@MFA,-)7]L%,X_O=M M*%X3O3A, B D0%F/!!R7.U1$3). 0PPJS5C\3L>G?P'E.C^'ZN[FL)1[#U715X!V>H:DX8HX@5+ M$\))'#322/=9@5O*\/"=4LEA86:.+8B!N4%A2MP;P"2$(CV^MD@ D'=.C_AGR MGOKPM.'B"P:%IV=(P.11$I#E3$"@0'RCK4[= XW.P_'$(DASZCOTTCS?R*ATTI , [$410HXN>*OST6+D.T>'SPK>_?#H<=S&:8/ND2,"U*1(P MX4P"X/G((>IZVN[@H.,<7(]'B6ZP*O1R^\>V[]3CN-M0LY$-EMA!U(O;RUF#*\[HXD\-B1@P1Q&8" !JVZ(OIOH0[H(§O ,?5A0?2U\ MBMC;C(!.H-O^[3\[) !OGT@"WKH@L'(DH*2'!#!(DX M22DB%0G8[<31BOU- M%%!<".O"2VW\,Y" R3&M2AAM$ND(2)!0C\;*@AV5^0QQL=]/$@"P7@,ES%;HG =T[L:SJCF(53%M#*Y_M_B:=D AA&UG&>2[T[>$4$0&QYXT,'!TB5L Q#_ V^XB\ M8[K[+" R%?KP_(7I#W)<.G&0 ,Q*]I\-`JC!!3QF@02$O *#_X]% M*.8-L2=0>V'0,7REYNK4+=\/>W&+BWA#/V\I%E/)3J)&OT:XJ_U[$9C&X7=P MX,XN0:D%MB^J"1J?"4[W%J+Q*QCL&6[I> 4H 0EC[M%:EO4AJB'R[M $(A@3 MUD,,3-OI8#*GC^])(/9.K* [_$]^]WI9" KG5" I00]L_]H(%QV"4$'MIVDH#Y7:(6A/C'@<<]O'*" ,,$2% MVF4>^>XJL6B.!<P>@&"/(]7FM](0'ZA.-@DH[>=#,J<) $FFXB]0S!L6H_" MIJ,67"G>=5E?CJKES]2_+[>SR W!,QF 2^#29Q!46$I1T7(YD*+A]:U M-EO;=OF7DU'Z0;KV=#5=IB$L#V3\"0K!KH.Z=EL)RH:Z=UJ@M LOV(OH$C MLO?3\"6F-G!YOJ*(+F7Y*,@G!^ -W@ 5IF- M^G^T:I@300&'>8V3JN>1"MOZ,&K]DE M$O!@"5P:Z+?-\LS&$FIZ?5LF'Y!+-Z'7Q4:H<\I!^_R4/|\>OE=B7D.2:=2IAU%QX- M3U)LXZH#=I(N''\#5PO8(%K.*."IJW$R7H$.T#FX%WJTK8!!=Y5U/N!UN/"9[F$B0^VA?2]'G*YIE+\#9M=/6IFXN_^!+>ES\4#D9 M,I5Q.M5Q\0K'@'T- 4+>/PLJE*G%ST%MYYV^YN&N:R]4OU"_$REM9LPRQWOOUK MN[,AGUO9M;J)15_!??:ZL=NL5U]F/YCBB9O302Y*D_1\.#ZUWMU)U^>>[D> MOD$"0M&%F+)I"]=6CDMITL_["$S3%H9=1AB)^[W5P_B9P"\-9EUSE&K.(BH, MERZWWDYGPTHUKH=50EGXH6_"R]K;ZG.E%8^%AQDMX(B.H.^$ M;Y7_P_N&K6%HN/- S%;>K2@-0UQS4'X:RDI6_+CAY?L'VK6K*=V"K(]&6/KO MQ@++4 @8^!^OP&/:-/[^OXB=<4$UU+9=W\H8]0 ^E_1>]DV[_NC'T] M2AV57LM*[\"CRO8!#- ;"#QR&9GVE)NHG3:,"^UN<9C;9"82UB?N0^)F9;=0; MNZ.V@KRK!!&Y+Q5$T)I:EF)6,I6,F1Q6OK3D:.FM&54[*(S+MJ';H+33^*H) M4=`IKI ,G$8'B&+G,O/!8]B#X4.Z)W_05TX>OZ]RIBGK&]FN=4R?N%>0WOV MK52Y0^<]+[&<&^-DI7B&M7(57.077"SBS%E'=/]FI23%#,_>NHFXZO6)UTX MYY5#1#Y^V!RG'5WBZ(A0*7JW[*%^Q.QB4ZQ)'?;S#?)CI1CU>]ZSU!)95N1\;:T-/$W!+&HA7$4>5 MX!Q'2P"R+;M M99L'2AP]>N? 6=#FRPN:US(S"+D5=SOM*ER@:516,U:\N11QO!@) MU$\)YJBB+_W$I9]@MH4]]MQ1[(W!FE"W>%\43?_>U9M?-C\#(,(>3;VX]\(6 M/73.^8XN\Y(^Q>YO?8? UF<6EW\)*]%#A78B]"=D'!V)?P6W=3GV3+I4,?C!HU M@;!BO?XP[4K,#&8VJ_Z<=>/^`M;FE:C\>Q*TK>DHB(.R+`_H M29X.Q!2_8^;#%F:E7G-A_= (^GR8";$[N\VP@0M!%6VF4@VY1UY>/\$,Z13: MNM5>U3O7\A;!OA(=*.H@+11MJ4/3WG9YQ9\>3P4+0APGB$SLK1OH:CVW?I$ M+.[X6<2,]V!JM9IW\8C*PLI 1#HC])Y>X>!,"- Y6^W8T0.BUY.07%XW3W%Z Q-M;QA5C7HEMENBGSD?!.\7WCAY/FM4J_^PEXLOHBW9D.BBWWN=+5?9<7I+7M>B#))RN%&ELZ!=2W--?*SG(9[*]<1- BI/YY2U=&K))BK$Z,7J=A:Z, MMD*YZYYQG^\YUK'VI>-'K2EM%47QE*S"<,-XAEW:]\G,"NMDFL.1!X_%R(6N MX]VGM"\0KN9#PU8@+4_*2Z-*.+8\M+@FRZ1FFW>L'WTSVOV_4J?AL+P8"3C[-J+-8_3;O2: M\]T9R- Q;H7^)Q]H[UD[\<_/#]_O1,"-#'=Z1'N=]I*M7QD9=_)6^G%*"RWGT-1+:.(RV2G*=GDICLXE&/>]]%4\'29.F_XOD M\]N7 M&=['/4K/8R*#&U#4?)? @5L-31D$HJ;65R<&'[RJ*HTT>7!4=O?Y-^.'6*9]I M^24K_"Y-1 M?ED3TBQU1WF@7-1"/WC^T.0N^9.HO8,?5G*8N0<9]*"<CBT"] M/RCU#LZA0$QRSEXL>S1N/'(:7W#R4=OR$DU!9B-T8Q-<#XC%9/F>*4"/ZPZ?)F) Q\.H?5Z MLGL[G>+*\YRXW1%L+CX9OZG7+SJ 6I-R>B<]HC.GR;=K]1@^5Q1VK1LY=,B4 M_VZ3$4OB6N\!;^*?HUB$WO"FU$3ARC/9\K7.RP@\M9HL-6?G(5BA_-K2HH>MDD/\YV=IH)E M8F8.Q.]<^<(K<;EN.7#$U4 'Z5\]_N1A@5H*W]GZL.K/KI%4+0HX"U]+F=[9 MBHH#<\+/QAWTM(XWSVIZ3=+PF\O;M=WUYFY3BAY@Q7?I:L/4!A(4TXN-KSJ3 MFSS4.Q'Z21KBX4TN/XPI=EMT[CQ$P"YJZ"00Q@>W-R]7$.1R34M_%%=]-[/6 M##LWJC/ _6#&C3S6YXIAT*6W3ZPX=N0N)L576XF9E&7+"]]J3&8]&<&)FW M)98_5>C3\4F6W%,F42_G0F1!RQ7R2UIG3J9&#]CX>F9:&XD.,A)XTZA?9EL<7T^K=>7+[P M:8F7/#%&X;C, <'E0O8!)M]EY50YUC?BF%^0N&ZF\!5L%(88XY$Y:!(N7-3I M[N+--F7-^D=>;)"W3QU%CG4M&;ZYK'X*N=UX[KHM7V9:O2=1_7O##;Z4VTI-MEH](@IN>V81P_M@)V&AX)N?5;9- U&!28S,Z]85-3PU@1TYUCD<2;/GF/Z(+'-#^&LFR3@)5\H97"2Y*2GRO6/HZ0@!N+C>J/\]D9UKR3 M7M^0^>1N$VH4]7H0(=365B_4&QLNOJX{W_W7@T/R:N2D\\MMJH MP%)FYR-QG6YC)_$?E;N'-'W]1YQ/;W_"H;AB7/M4[??V"C>52:XN13=75O MBKN;6?=PUK]'YK'>IRH.),,X M4V!8;$@X.O3ZD\"+Y8<9,("5 W")O W=S7-MU.L0%6N1=L$[*8Q:K(UU:2V4F-JM- ZA.=#&;.Q39N]B9IB;'GQ4PDREZTQ>MXX?6%\-4&EYN*5R>"_]=%Y-TRBCXI; M_GT2D+"V6U2;PL>_^UQV54J'/7B75B_$?,G="9IU=C&SWI7KT3XH:>G[@_K=H*X5!2G@[TX^6WOH$\@!WHC\&-_MK>V%]2@BGKUK%JSTY"DV"2%1X3 ZKA/UH]/YLI98APK&F- ;EQDL$B_M?P4EVB?EZ-91H2^/V/E/J0L9NL*34* MIY>ZKY"?O^(_PI/FB*VGY@;IX2X\AJO.],\;E,>)@K(&UI=N7N<>[V0)MK< M%D)]+6#GXEQ*6<>4[NP[R\K1989JH3(V/;&>CPI#1*LL+V_L+1?JO=06!QXA=&Q1-M =YT@TI&248?\;G3-IWC@03QMPN2^XCO,D+O'$[4!!ZSUTS3L(E^1)\AG??F MZ1>FKS3UE\LWEK]ZWO-'V5=KJ&7E#RZ"_=Q773[";8PO][T/#EKV?GZ9EO8) MIH$.5LV]8Z?+@^YO1*9^/-MS>GQQ0<&0??<90>.#JK7LW+,<4S7?^G/";5_^ M, N6KXM\N=? >MIA6LL"#:CZ[\?6?X_%@5(4ZY$^N3 P*B,V2_=!Y(>VAZ$-MU5!"QM^?]K' CT]^?,AZCNE 2,_E^XS%/Z>A4[SGVO.QP.7/G33KS-N[Z4:DQ M\M3[^7U*]]^W,,^CD^UM>G#K2_4$EMCD2%C9QSMBUTF[\N+4.2'U(^K_72 M7??V\;0>9TIG#"/;G[*_F+.X&^SR<-F_8?2>W[#N^Q@9H*QES749Y0CE4Q)B MR_J5>.A6X3.:+ <3Q'L1N6..S+.70]P[,%K]3Q M+YC(@MUA,S.8D&HK@FZ;B<*KH,4QU]TYWV+<;&C$3#-K[4> MZO9"OCQ[LC0,DOF'E^MAY611M2ZP>+.,5'-32X/|/E/.+Q]H5"@XS6/]51$ MAPFP]O-/+A(E^YPEIQ,/T_B"Q>UDX<:3%RW-ZOF8N7;"^R>_SKD\HQ[>?@% M'CX-9WQ9.'53<:6R&47&LV[("]IR M!O%')W#(FO8TM[<00ZRL5]4FKGZ\LS?#S1K_<%E]] MX-[>>+Y>]#\R#<'C>-=+XJA*51@\\W$H0JM5[2!KCKS;2$\FEUY;B.]L9/*, MDRT\;[H<#'4G>V&HQ#_,\SEZM'D4DKV[_> M4^.FA:5H'/VNX9#C\T7)Q7=/&,Z8GS$8+2>+0YJ#89YMY@NOIE.AQMLVII.7 MIN_7;,.4.17-B6MKXT?NFR#+\QPL9CV=%YP#_Q.H-S_:#"_M@YBL)<.=_=2=VR,-KBZN+EE*S T;FFD[(A^, MKCECR658V-^^/'C-+-LFE),I_N))Q?!4SHDM:1/?QSWNWEI=AT^T'W3=ZE/2 MT9QE#TMZKRHP+BQV%T({'WU>]:U>8Y4*8KF !&-6-I?`XF2 MA5B=L*F6'LE94(=- \)#=7<|&H;.-^M>\154YQYQIK*;KU1-HD.3|7+G#)[S6E1 MC.:6|#_1X1+G>KPI#T(S@ Z_W]]- M'=OVV\"\,$[:2$HZ_DBB9'YO.>VO.8? $K^>&9J=+=UG2[,C:*T%)UP3DX5 MG(]J59QBH6RJ]8EHV7;]149&8OWE]A;OTX$&&G3^3GXR>ZL(V:]#&I:T|(OP MII-_]BT:C6DG;!$?T%EPT_LMX[? ZUEB7Q@R6/@M1W=X+_X;2.4Q581PE/,(7 M97H]9H/>W53IR]:-%BQ5383>;D!ZL/']/5_JCSQ#T%Y<\D?!BN&^$+3PCI-H MMOR\4@V#S|&S;Y)N?+X ,_-+34U=7K]N87/UGC55DK69+9RUWM&9IY^M^OGL M\/-OF^X_'Q>@;@&QX?]>?M^O^+#8AOHY;@RQOW\]Y,XEEEKC8,,,"\,9CGH99J 7588^>A822@*UCV'$B@^W1L.E'A?;W- ;L"W@.-*>@A4"U" @)-2,"> /+?"7)> M&.DQE[M!-B'VR;S (I2JZ,\#U"$H"PE8H)Q$$WBZCLYNC2!'SX5/HHOJ4A M-UTC B^;?G0.3.S!(TG %2D&$C"!01 U,NJ_>LH8,1QFXB#$IY:\)**

^CP00 MD!J_Z^=@M[(*:?^W1KH[_H_N?)WLCX.Z>8+!|\.[W,WP$BJ/_'N<_$$L1 LI&_@L_]GCFP M7_T5Y0.<0H1$^VI'9|>WR?W0H">N8W A:O\^A*TESJ3 M0(_N)9X4&-'FUQCVOLN2@@7BGL,.E@U'HG==C;ZP" M%%7)D*N<=`/7]^K;.2]T2P(Y.0R'K[=UF>P_YQO!.;U*+\EAGCQ J51EF[>-`M/?*

*E\YE*L_]S(ZL,+U_9:R5PMW_YKZ$WHHK*7$ZN%K_2CZ%/YTN8R+M&D.O M-GWV[",YM5>O!*XVNLT5^]HBEUMJ%4G KA27\MG+?&.T*ODH3W9JPL/AG'/JH84J.[6W-?,@=U MQNT>DE6#01IX!HUO]H0P/L#.!>"7/1(NQ5'IGGOH)& C'M@N$1&8;.B`N3M2P#Y=&M_$VV+M#8ZO30MIYN(_%%@QQ+O2T[(fO#T-[UA_5%>ZS2]#0&.+TM'LF MH:OO ,4;IK&#IE(B#_?8-[TB2TL%<[-G2K95/%D2,$T&[GP)M5EM=XP&T=A\|M)7$P,^D@!QMB)"#(?A*V#QB3@/$8\_'OVX@D?U&Y'678""QL@YU]>YT@KDL+ MYL"Q5B(A'#IZF5$?,H!W9W1.T0;[25.0?XRX!^KU?A372C">H!H@T_I0>S M) $-Q5C4(2"[6&_+)++)G!2$6R*Q)@+_:7_2=^HMRWR U/Q\20-O7@-X'""DD M6A#Y$T6VO=^+^6]BZS/A":.:+591]% G* (H!IU,ZM%,BW€V:M4@%IXH MNV_F@BUJD+M5?=`!+4S=6E.N^G3K-5EX7_A.;$5Q.M7NA&6YX7_U= >X*S='T M"VF//BC*/+?7S^5]=ECW@^F\9OJZ)+[52F23:D3OGW!#$JA,H9/7"&!@OY6[M3@+!,%!F\7@P/X+!ST2P$1((2#_R8€,>.@4[5O)F"= -YPWH!>S47V0GZVQ M OU#AUTG/A\%%T&RA.A;)"'#4&552T[$DH!W=1OB6@;Z)^%7CSV"'758FG;J%$ M!)BU[\%U>5,A_/#"KQJ1OZ#-,OUW-CY)IF?XVL:7Z|&R$DWN=:@^W9_!''Z3 M -OUX-T+7+-80Z2P;4Y)SD2OBT=WN9=SE+Z.P:1S^A{D1>(N,MNBPT64?EZ> M'U@Y2WOH10*'{?%&). :![BX/(W0(%S4;4#O,Q=#"12FF[59RO0(RL(MR ;TU~J]\)?[B$89 ACR; ^E40;)JE4#)$_U90]=*&0/@_-D?E?ZV'#M?4D3YRLZIRS45_PAI97I.JQ6?Z6#1K?RO MQ%5GUH/&BVJ4RS=R6)*O%9 U=USC:H+D&;P MW@WRI\&GWT V)-#,,%,17^C^,2D&OE(4*EC^HJ&,5!]J\Y5#+4+-XL5CIVEE<%;&S>#A:S>?Y2[VS5>?KG;8&/Y#M0 M2N')XU-2S[>R,.!:3?LR?78N>T-Y+DLL%^T7BTL7ZYQ')0>L$^OJ1$N\+ST[M4,.'P+H+\K=R>96E6QM:!YX6E]? $[DU4UU8&.W8(Y\,2AC7*<8W=.?:A^]!I M'"CI(B.0&W?6IL&NX;_F>CTFBK-JIN'RIYU?4/#V%S].364UDV^7(=N:B\$Q M-=2>+!EP?Z^C>M-7*X;_:(S% M#>8I6;RU7+!R!CLR^V&'6^V.=_#O=)&|\^0>R*V10(6I\VQ:<<2'3.!"JUVG^&W-^U>* M9^5*^S>E1\Q:!If\2P.Z:IZ!#G<.,D&"7]RHYH!I M!'C7Y:]<*"T?O'KP;G^%]Y)0Q?0'-EJ;; <\IW>3$@B'7Z^&B6CTW T'?5N7<)BP*G4^/C6*M.%&<$O 4*&M7P6GEJ6"0X,W/! M0GTE3*PP? !<.]GPW.[IVO)RK_L1+C+,F=URFDD-0KVY&;J>)G)U'L7H?5RF^6 MD@TKK!E3E%>_Y6200EJ"6GP1%<]O& JR|S/>"':ZG/^C|MC(TOY]E&0$0 [A7%'&**S@-M?7[7QX@4N#CR?.!< 15[*B5YFK07&|E2I6ZS,\7RKJE::=(T/|E^!8;51.:[MHZR\B,\LTO-5=Y*$ >.%N^S?+I6Z'!|F=(R F(\!L8_@'8#M|PBOVBY3*LD;T M_NGJ.B2M9_6ILIS)!FGYY>7Q)O7T;8U%NO51W&,5Z(4B]D2)$!F.,7EW M.>W?IWV[1KM"EH\;&P;<8 & (X]^O9U4K%+TLVIS>&S_)#HSVV09-EQ&:,)F MZHI>"?+(>ZY€L'=RHDSTV%/E:\O3J,8J1R:S@;X6{J2JL,8L"E%@=T!['!|T$)L1DU7R9%=N(S@M* MFSWUF5&^YW&!WUS:.\WPBM.=CF[#RS.]:OGZ775&1&Z#6)?'Z?!8^*6P6KOP M>/&'>R(ZO4:S#L NTW'\8..8O"!T3^G.>[\8TW&E> #?"!\?ZRN+62/%0J0Y(5&S^Q1O[>[G|"U"3-GY!IO25_E@%X\I)]MIO8GE'D MTS.KF$:9Z,B4XX:W=QL"DQ>5*&"K:V!RQXOQN-V^Z5A'J5/HI,^2EC!O7ED M7TI;>4:lC!EX9B24^N@J&QFF1XT-,)P/1L5:\D/X8OE2A=)@!04"UF^PANO MS\K&J@.L:?N\V@FW%\&9=&N/@EN-0@L):'KPX^MC"\)%/$!3/ZK\WS1I'Z)\ MR+@=R3[SC<12D>%9>-IIA5.KKHM#XM/-8"T2BS=/\SV5RW3@S*Y(%-"<=-YG M,/?A:!8#=TZ1#=F;E@)[00=\L M-0?9;WZ)Z-K>A6ZHU&?4JI" D%@O.V(0/XQ(M0T"$IQ#>-,8N!6M+M_5J50 M:R_PT.H+>G[_.PW[O; ((C&=]5S8%$#_'LAZ.2, M/QB+;W7!=AI=B(CZ'4@,!79AO\M@-Z"TB.ZL/,3X=W0+,D^?>)<$&']&{1%K MYXD:W]F,6L$R\!<1O# (!0.08^W#.0>!*8'.WE$OAK,O6L%1^0% T+>$DR_MMT9'Q&>)^(>V/G?'S4_,-!-M:02SRD+.R!9 000!+VY 8+PUBD(4UD:A&E/&S M2MRD.LN<&@[UPS/8V^P8/":B_[GOR"= [,&++3*X5[#PYPX04E!OG9$@[#7\) MD\9_&S+*OB%*4 JL)P%,XLOOW1'0IM]>_H7*Y;!1L>B!"2(:VY3 R;Q6"VIX M?LU$F=|?_\6N_T.0)%Z,! 0B8?1P(2+U?R*LE< +HGP[0E'[.PH)^"M,)_N& M'$$)48_>D@#5]O^)\O.KOX+ _@IBW@,30ORF_?7_U]@H AL/O6VJ.#M&#R8 M\V!Z(W:C\3.S9\QTO8[]]] M+G+5*RL5[85O@=V3)IBD:5)[X4/2^D8:12%-^LWZ!MD=R5*V>%Y80SF"<"&B MBY/0#,'&@D248)OL&E>+U*P1#5[;,NK8#'YQ62Z6#1K?RO MQ%5GUH/&BVJ4RS=R6)*O%9[7[W,M?S8C6A1>3"G__M/.-^CK?!_R(FSUL_)''_X6-EDKU!?K"5'JL+H7K4!X1C%<.-Q0_L"8FD6P M<@WBRD!\KKK>1\EJE'S3:YXG\=0WKLAQKV!74J-B+":K$1,9Y MFJL_:OR@$VG/)VD4Y5!9A!,CV:BN]3 $4,TR.3XD-*D;M#6):GRS7.C D#U<-M6N?6>2:,K35$VN:1YH(W*I?(JN,1=7G\A[H,I@YG&%8B9!H.+B5L+)VZT!] MS"L4]9N,1V%6R3Y[B/KC#1?" [==G20#\)EGO65V\F$9X5LB.#2:YQ2O"'%DZ M9&5W?ZS..U-(*#ES>O'U'G"K6-K#$PG.R-53)8%**S3YAW<=>>OGVR-6++>^3 MNV$[/G[>1%OJ^// 6)8N3_?2]IW.'H4%F:BK%HS8] <2_=O,?2\|T")>TS-;8[L4>? MEOKY+,K2?*/G$C[,.8:]0P*^L#%B4^P>:G71-H"I&O"GJY'GN_ M8;K51P+LH,>6$E5HRTHP/":^=\NH-?6<3X[=M3%)T$W<5;,(N(?;]*V!%V#G M(V3&P<7, ?'@:U_4I7UMA4\Q+YIE2>1&HXVM! MK$Q^',;NH:_/<|:)I9"CR_EIN?(H1 M7A,[W\B#?NX,/V1LZ7.JR#2&F9@MJ>^<_,"M/|U%&/|,>FGA@;;__=4:^&*R M&/GL,A.M5\ <=/.]45T!J>D3N:.6XQ3F%4;XWQ'E*3I5>?IPX(6ZS/ETC>]-MRXWLIV_Y$|@:9A8?O7^Q.;P/(%61*VIZ|#WB/N?W1 BD]*4:$O<0QCS'9KRZ+LJ(I=GOH-6JB;_54 ME5H'MQ)2IM/#9DBDI?JU:/F)QH-3%0.*A"!,X,E;.R#%CCUO*'7S3DWA \D MK.0F E@; SK8Q.RLIZ'=V?_Y?SJfW6OL7O%9/J>-PEX2@),@8HIAG.E MG=3Z?0D/2N$=]HY-'1CI!:-'^];R>^1@41QH>0%OG]_U 9[,/B+%^U+KU5O; M@+M,8U%UC>2#@_VTA]$9%;EZ!OGYR*1OGQ6\&P+C1VQX?ZRC8_!QAV'@?M<5 M-'BXYXS-/#@!+O7I=*B#C? %)6&F_D5Q_XB9$G)C92@R ;L"(WPF:Q^9^Q'S# M,1%0AM?[>2AJV$%L/_9HG]0#S;D*V9,B 0_]A4F E0-T<]*=!/B;$<1^&FRT M6L+FIPENW]DX$O &24@D :505EYU-*S&^K'*IS+!;<1G9_3\MVGBH1PHW,GF MIW4B_O0=:%[

1§;H"!N^,H0#726X/J_@LP4S@8OY60<##]?R "5$0TC'CT=T2[M6T;Q:/)65Y X IM=W@S!O>L1>3)=;QIY/>7W0O($9 5S"Q>$"+ WPW.P-C@ILMOOX+5V?RE"\0$6*0 M'89 2P'L{KB3Y$4>@%,L+T L*XB_%:?\JB&_#9TR4MP-#G,KE* 732;3'*H MM-AIJ2XKA.L/?)_><#9?@LU]AR2>Q_JR05UF(@3_4;+4\?+V@EE[+XR\ZQNQ M!=-6D9WJ/FSD.D*H. (%K7/@F]_I!OK*XR9KP^GU.TA'TXTN54^N1S=Q MG M'TV\O03=D2(O'H0&X&8N\3X%\ X+))Y9@'RPBRG?_[!TZ4&NSD^2X.HYIO^+ M NVJ%99$Q(OK?O]!G{T", Z"S>H4H%(=T5>,7FH%/*U+KP\Y\M "Y#+KP\Y\M M_Z#[@_9?1+OPD! PO,?3W\)LE%OV /<"+6I?: ,;$309UVMN^0<]1)(2W7!/MC M)H-@=6V]WK[{)JZA9T\^L.YZ^2]>W^4<*F7R+KR;=NW3"}C"0#>FOQAF0WUS MVLEQT6UA30)N$:C?Q.3-*, M+++3Y6?N"@>FOZP:\R(T@D?HA7$+?P/WG52F_ MR0*%Z@8_+PO_=U? Q^UC7K*\5T#B&3/UH[M/'KQVIF&\OM6U//5) 9C489^ M"G!;B@@WNT$\)=" <^5HKE4AB6*.|'V2F MB-6'*=WX-MG2)^PGQ\T M8CUSK6J0+^.I7IJK\ZG+&C6C".GP#<1PSC-(E:!4'W*2W+.E@EV&(O%TMEJE ML!WC?2:9BC51FK=$U!>?:.E"\:\0&?)DDV$WJW]O>N MMZ*#A,?XV SH:;PS'MLDQ*V:,/CKGJS:FB04MOI,.C:CV+/*#G3&VX[UZ=GMCZ&.,]3>>AKW\>N]Y,7"B&>0G_8%_T'O>WG@YD3E^LDI1?37Z5MU$CW"'' MD*9]\>YJ'1-03MU#9_)QI.D7&O-W,V>ZHMBF[WQ-R?CRQ32K=C#R9E%QJ^B; MPQ}_ W/:C WI!:EK;KE'V>OEE_)X+V7DE$12 MZ/4 ;E@)VBYJ;]M='\ ,_5YBA,QG@]MMM/?=W_FB!*[:\]*1*4U)>V=N@%B^ M7>1-6D:&/T[W1!;O-O4' !]HH_BT4)D!+KVV&TZ,,8.S\@E9F OJ MS]-.,.;PZOAN-N%1"TG3(&[(TC\0:)H2[* OL[E/L:,K]F2[R+&CJ> ME'W!f^1^(.56NE[-;N;+F0@6PN1)W...PW8; 48Z$EE-,V(9_"U]KPL6WBF+ MYD5C$X^:N>%$:C:R,X:0K'?#%]&UTV51"9/Rl:E')P2'$8JOKWA:W-N:K=AH/T\-M$T2#3'K13+,.?0SJ,E?jK-;2MB#O:G"SK$4]EZ!]HBWQ-<1JNA|%_ZSM?K M%EKX^K.;RB[#)S:8&RJ&Z> <6F^Q6$_3.O0TU'M0_42"!BG1V_GK"MIM7>_M^4#^X\?#Y6CYGOZ"+QK-<6J@IV%_(X(>M/F:(\IS^*M>Y\!CDU%L,EL63W.@9\('T6PS7 **.;&U.9-;Z@4I:8TE6WC)3CR7S9S! M?W!TB-6+5)Y*<0'.'SRF>>#$]}V-R=^C_I:O2^T787@EM[F80]'5YX5SVQ# MZ](CI_(^5'$[>XH&%>[GT3 5HFT\T._'G&L74YS9X^&B@>DLY*G-1E]U.M#Y M:8Z.I2;,Z(M_]+MM>#,K?+$9'A&@3)?D45EG\K2G@+[//N\:95TPHIP)-E>5Y[MK2@W0VK?5]X?S MHICXXJ$>IFK.H;??;G.X5M,N\1W*6(2)3MDD#R$49V\CAMNLI:5/36"/EF? M$Y2+$L]\>E,]UKBKWRC69F>_=VWOS'CH$,U,K]@(/05@0?!YT+_G/1 27,XS MK#0%%GAKRZ$S3;)0P6[']GHZ[$^87^2_^Z#ULFA4'_NAZPH:KP=E,=T6Y"<% M9'YEQ,@:G,I$"/-C9(^MP^J CMY#S>UE'74^#HL0\QA.D=Y_C&SMW6XP3(";'_M*0)'H 3[D686.\[I[;]\AM$"CX<5;]S(,,O>)A238OWTU/$:H.?"QRTGA?=^_MO"2BND+4L8VYTQO4T.CIEK"5Q[4LM>MX? Y:FFNB'MW!C#/7JT>:WF_+/-MEY@DL?D'ZU"..#*F&LLXO3%>B=HMMGIX<4#M"K_TY4+-- M+3>!CT, D*\Y\C&U$&+_'&$5>MES??F6TO),@2K9,*MC0FQC(P38@]!JJ?- +)L/!HLOC=?MT4A0 MO6!&>V!^"OB^5^5_^/V^=H%=UV^]#3_EYI&S92E3JEPQ9YP,6@M,C"RUV!9J M6.C$HXZ[2SVA3YHIM^]>J&.Z*=9(;PQNZ=*Y4(SS>VX;DZO02)=;HQGE0*) M3TV^7+EP;\#D..'"^}4+FZMMG8T63VZ37X@_2C* 99M8JV?.+NJY$5T'[6TDT M5!FS&R$/RE72588[13Q>'-K3/+ [_11X74ZM0M,65!CT+V+\Q>2$<9ZLNV M-[KO<1>0^/C"/KC"//|E:GY]JV\0JT-;]Q3ZEP#)3ZBD\H-R+ G;* B%U;&#GDV#0E[!TV__VK?=."DHUN]\6EEA|K^7.1,&FWIN M5UZ;(%)]G0@IHUB4LG[F92PR3%9GV^-0$Q/ZAKW!TE^V&=+/@E;NG3^/]71@>_M?@S0>GNXL1;18 1F_TB/F7B_.*M9]Z1>Z-%K;/W<*;#!PW&ME&'GBW2)LM M:KJ!B,,_ 'TZ.JO)E"WF\)+5.2%C.'S#/>;[D3I+0Y:4 +=@<<.BS$R2*(AA7 MREG(G <'-Y/MG6)*!UQ0Y<,7;921#@G)TVY^^UW^_44QF-#0GP.W+Z/GKOD90 M-EYS49<"T)B3(H?,<87>]A1 S,? BVY8\K\T)QH,_$1]1$;&DP[ZV\"4&*(@& M2:!NW8#(!%LZ+>!V:P&2,0K9**M%-"!)C."B9@!8U87/(3-N+$,+[^M\!F4 M,^]TP;>")?&I"Y68S?\9(07B5C.!V:? SLH:5D-P!**417[(=\$] M-@&HTZ2I->S'+,K848&WDE'@UV7P$ M/8:&=F#6!:LHP'!C|Q8*GG>"05W^/1@EH^ &7R&&Q+P)YKH)!L)@F(6:1S^P ML'^%|D8..Q*H2/, (56,HF"D')3-,F^S-\UVUA@V=Y@;AT (ZHXA]98<,= MO!YU_S#TIA<,9MC)8_0[S(O-;PQ.A-_+:PC"57X0*O:1AT@-5.\+YL"^:X8K M$C;N8#[S'-,AZ!2:@* -SQ $MR?V0.V#&3"WG/]-]$L!%X0NCY@##-9PF"K M%. W-$W2X0@,7$U4X<#[6B9_0K[QR%@7!8= VW 4^YPA7+('##U5F3)(G*Q+]'G+*NAU<^/0(C:M2W0=7AZ>GX>IP1/\ZXLME M U(A$H>$ON"E\=\U:K UYA1@*$Y9D"PZ[>,Q="P=^+]KUP.,IZ]\&4Y.)^4D(N M'[5%K\V<$}G!6:-YZ'_4 !YL,P>9.U4JR$M)'MY)TW;S8PR(U1O/-3.GFI$JK& MFWS08 P:!G0UV_;F2 7XS:IH+&W]'30 %4X. <*)NLXY!1K]*^BYNHML!E^ M(BS,ZFTO%4WI6=(G/T.O]8+$C8XMCF&O?A9 :Q'2*AJ""@&3Y-<_"[_#LQ8F ME&7,M&@T]M)2MI_XH'W8+ESLUTZQ-IFF1?6M-PH5Q!:K.G8-66A-L/%31M] M_F]!&#&M,O/G&X@.05F3T6BIYB#SZ\X))7M=<^56V7WI;%#R_59?UM'|@4*0: M\&Y,P"M@"P?SWQ 'PE. ^J"85SUO2R7:?\(P!65$(M.0OB^ZYS7KQ ;7(2<3)%:-8&% (U> |B@. .!SU">>H%@[&Q"6)|O M3TN15VVVWA%ESI,B+<<"1!F?2'#R!6:MA_!]0/4#9JG-@<7NJL 1*CX+!_ MW4_D5V^V6^':)>R^6M9JZC!3ZH+VCM7DIAB_K2NXA_X? ^#_@?!~_@4-P/1V M)35I:]BPKZSWY7956L+6R=KXBH2!E4=<$KOGOPEU::C^_-+7SQ=S370N+9EZ)"(G]T9KA%,@+)V^A?;#ZO4)F>+##P"%[#)UTM^O^PD&'N:UO. M8:? I34Q[:3W?97CG[KDFV\# B>3<0ZA5OVSY*DP'(J3<#1_LM(W@.'I&O_V1 M,==]J6R\61K_IQ-06PO?K?2=#*)?16Y[U@TN;YEY1%TH_Z+*2X^V[@OXRHKA M>T-Q4C()>DHE+V!X.A;O.+O^5GS8<\'?HVC3=8OIB_U$TG:WG@%$Z4;P MI63.JE+/J/9P(7*QM4.Z'F"GO-HMQ19:"W47WMA:Q Z;=]/J=(^RD[DQ2PU$ M&7?%\]{%D*-WEO\31VQ@,<*+EB?;;G:4 MS]ZB:UQR9>+O<%EH"N>BC3;>PP MD<:1O.5@VRI5"4I=9,8K48(WM;/^SQ\IY+I&RM. M[8Q2,**Y=SFVZL.6AI.W5,3,C0@90SE,1D9F=H.'6V3*=*;4FS+72I_MKG=F MZ0L5O'Z%Q]=J/5CSDXH-S:ODMSK-|^\8QHZ$7VO7CZ_C1M\G-9GVD^(6%W? M5ZAM?9NE2@7(QQ Z+"(3L\/I+ZJZU:4D=FMP4D!!|5#$U2;QQP&)M;C M^O*=E/(?N.0#+Z_7V(F_&78 M2.?YR:TI#GP)6C_C7F2&Q-6ENF3V1?]@M$K?MH]CA|CE6Y4N^2RL#,E=(X:O MY:H/D!BG!&++2*D#95A&2X3HK'U&PPO?Q$HZ6,F<79'0>ZBCJXGF[JKWGDQ^5YN[3X&;/AZ83L_D\?8: MQ]=\GBO8$B\0C0@[<8_-^^SN|SM_8U[!DZ"P+/1)-7"%7]^,VOE@8*4ST.E MS&/VAK^_'I?9\EG_TJ 4WAs|%+YU|&)'[PDG%JVN8WKE^:?F6(^EZ#0T@GS$(Y?U)5XX9|HK=-.TD^R5TRM.3*5HEY6DM]QK0+ND&MZ,' 6.21ZT9%O[])*A+]+ MM&]+J3*+IMOK:<68\+3+TT?M;U^*!HR+]=:<&68X[Y8<8) QQ6Z?EJS@S2= M-CF2($KNCD]=RM774[R)<5DFZM8'*F,F#ATHES^+K[JG_S%X\ '3R-85$1[9 M5@+7B)"-' ;/!*5TYW/IZREY;5L?VUL?QHU&C/0?1X:],3BT,OJLA=:4NFW8 MK\E=F8J_AC0 COK[SH.BA-SAYEUFA0D#?3]N:%\QU\'S7U9I>_,3M,Y?,K^M MX?)JEWV\XX_],/9:0==M+!$?@S#%S;S+Y* 1)\)I'=-MARG Y\]E]H/_Z?4ILT_ 27./'Q=FTNR"RI&P)23!!DE_QPQ.GM!0!0+7XLNY M7/%MK)UJ20CDMA;R_PUWM%P>KZ.)O_16CNYF%6.9J8.^^|C"G+T]Q*J%G'R& M3B-TGQ;AC9P(+%6\>JP#)#1M@N-'U"@ZX M+T0GA%CZK+NY;M#=*:,U29%I2&;+OY(!f%N-$+BH$Q1 >8Q,'9RKO1=.$&_Y MHD>/\RX;:I*$'H+-"DCJ@D4_V+3L^$? +/UK^],6@@$?<<$ORL7 5:Z,U(9>]P MBU0[Q/#"DF4PX;B ,?$4:6)\)81KG;HOT=C2O1B$WOUW9PLW53Y J]\N :1^/_ MN@YB1RL,6\X*K@YV-7+A *$&+U%]-M?Q$DTG&EG$WGZ-V!XSSLP.2$T*FD%U/:" 1@B6!KYJHYYLWL/QE|/4(T6Z9 MF\)?136:*WZ^:!]\=4RQSO34]H=B;\024K96EL!*Q G6Q-V$Z&IH#RXBIJ?V^&A;(!B*WN+0Z^CG/H M1)$$2\U24SV:SW4MR-(S3A^U7;,3U62XL7]:.8CNPV&-8*5C>BB+,8>H-@U;R%E"0J\'RI?XY>?[3+MI^I8N#RP MN5KDE@DV;ZXWW.IB|'3-QLKCQ!0+,&UZ- <;F.W3C#/WE.!T&8,M22M=\W MW M2R1(>;P\D/#$KO=$AY0ZX(#?)W%I0QUK5V1;Z\ \PY#S"':_;C=.8=;\ ME/YQA/*L>?I+PM>$H_6\UG$OY%*R/#BK[SE=//BS:?7B7L 6 MD>NG K;Y&&WD\Z[<=7Q'.1]&R_&UX7P%U9T=)\3?VB:C5X]*72"9<<1 Q,/-MAW]TH^XR_>,"/*^\Z;HDL76W:B6?Y,|:?PUZ]7Z?.T.ND>;U/+&$,,:GGK?]-MQ\<8'C? 4QY,4V]W4">\FOHZLG=-|!YZU90K W\/D&IZ7FZVKV9M7FNQ?>?W\ MY-9 H5T;]V$ #L'@O1}?',Q:XL8SQ0LO ,25V M;]Q>ZNN1!U\T>O@F5Y2W$Y7M*KF[RA6\?"2CG?EC0C.-FK? M*U)36>EPN3>T M'=F1Q!1WI%A]8P,--CV)>0^&<.+U96]Z7.A=X> Y\F#4>C4?87Q_0GQMUF2P M2K*75U#H%\6BG0.\ACP.AYTUI'LA/Q:=`X6^JZLP\73E7AO?>,S+LYCZW+R MT>^57;@3+$[<&UM3C'JZ7'IV5VPEE-95f|=<+#\E?EDL**W2K MUS(!=VVNL;GNCGKJ1-QS@O4Y M\P*CJ090]I.#U^IX261-L%!,VZ&3N_&"'YZ_$/>_3:(NG!P5; D.ORNZ<6! MJ9B84LE"M;KHURUL;"2&!DM#M?L$L''QH?(<Z#?^PIVD\ZDOG^NZR%J1D<_-M^B3Q0E&7W,F)06Y]AX&K3J5[M^?S?CVJY3%TL<45[JPYC+FW@I'Q/DFX'J4V M8:IHNE*7,G+I8H1(IU1"7T.8ZDNA<#\1!9HK8]&AY0ZX(#?W7.U Q1@53.M?-G;8SP=:UK8G[=WI-;3R07Y5+#KT$\U]YXK._ML+I-Z/GJ1V;>,|-97.7', MJ4Y U1W53$'L%LZUNEUJWG> >+B@*&!"YG[SHCN7A.OB9&/=<;.^C%*"U=!3 MS"[-G!G>_+[&;$+@>9^SR[TQ-BE*K =-'-*[0BVJR,CP\XKZ'H=M>_;\S$L/; M(Z,[9WW'U\9BM4=#[5 B(S"Y8@1^:!$?P1.]^<_H.0T:-3WPHVK))"%G"+D:W+1Q"/-D_\+,/8 M0^R@!=C>3-W9YMM?.KQJ'31-2N_U8?3))<=94P#5AR"VD+H8V$\$5+#.=R7J MY""X5B.9"2(U8RP=UZ(>Z#&?.] UD(N]*(($3/;?.E:5KRACDNY;N$V@]Z M6PB\;PLZ^SI'$2D7TR^;E;HED_LN:;9)GR5N+R81:RF]ZZUFQV^;,=KG*N:\ MWMHA+]YX-;AZ;$8L]=YU?74;0WP(9KZ=GBH.0RQ!L3L+G3MIZ%FC(KO]QV%;S7+1S5>A(>P:U%*/KW5^X+/J&> M9,YZ,3W93]1.L2(FE?;QYTQ6:$WZVC0M@V&+1 DW$M+WG$#7-B@ .:.H X M1OL2[JDU4("6,QX)=V0.AV4]?'4VI%&\-9ZI0ONGJ0&XIS:(99Y[0[<5Z_(AJDF M89ZH%A$1>G\"@/NR=$7^%.#$4P01PHR:2[5]=G MT79A+6:8_PSQ)_/MQS<. M;@1 5S;ZYGQ._!E"\T_6>V/4$7KFGQ#_,)"WJ;O<_'GS]?L"6=?GA&CICR36 M#U8Z_R3YE@)4Z:2"+1K=$!2&'#[0AID2M(<]I>[A]L-@E7J(U50,"I##K"U3 MM[.5? RKY3,G;HA5I_PW5/_&0AG MV&^QV'_A>>0R>S@+[6XF1\]4*1A$HODKYG?/0QS!N"(U!X:.U)DH122 A'CFL1;A/7#$?(U O.R"JSZ,=6+%V#H MK(K$M75^XD50RVNU_#:S_[H(QQ/IE\?L_D!SS3$'SMC^?:?T+UQRO9%1V MYR+7OI,9_]8^_H?6;)'@_I8<##Y MK4E92=?CQRAIS,:-LEE-62"6'UU6LW&T:>U,6\G*&-NTX$(_W8 MA;FYZ]K.ZG+,(PK0[UU@IPQ+/A_*35=_25^6H=WK.;3T,%.>Y>.'\X)* 1RS M@R6H^^B\KL>'@CBKM7Y=W"9&)' M\|4;L.C6+))I^&;V[S^.(_0*+O>K^V&I%P["7,| {])MA^S82V6L_<"WWSAD[R M3NHBW%G,/+YMB3($3UQ*S:!X-\1K))F2VG^IS]@VWBE,1#1BY:NCA9_4L[T[MY, IO%9*Q%/!:XY8SSXUXCI!FXJTYM.5#!G1W/VVMTQC'DSO1HKS'&W)B;H MB^=IO^#MH4HHG72*;\V=($QPN;NM^PCCKI\4H-8X,3)=]W1\(W,)"+)Q?^_M- ^N9.MKCSXH6RFN(>C30?@C;>S%0E9; 5[_A%&39+>5].EP\GL]NZ\ P6YG>!BF-LJBV%A/&/A9?\T MA3<]HJ]1V$ S7M:BXJPNT"T]@OFRE=%W-OK!; [R'CW7O@=K6=C=4/V=NHP1-*N:],A>FGJ?+A=M6F7]V%[<7^+L]TU MAUS=^>#> L_-[#[E*[N//F0B_@'7*]74)MB2-73YIU-J2]XC|K+;-=1T3TU, M2!^[=XW]? *%)%+WJ'-.%ZQ41Y;L0?H/RYKV/2(8@ITWX2]`Z@=V6_L4I82+S M$TN:IB7\Q-?ZYF)N2&!EH6#S4_!D?'?_!^$Q@NXA1!7>XF3IOMWBG3D%#]< M_M)W_'J_1;C1U<<)\'\[4. !;%1I]72IER,]?$,/1]9!XX?SA,/:\03MW5\ M[#C8ZBQ_)Q).P(C%X*TWSTEO2Q_FL1T<:B"?!]MRBEO@)CG9'*;$NUCG&0A:) MLL(W]W$K#HDWKZMFI.H1X@#\9+=-4VO"+=TZO=MXANGI:QD1RZ7;=G& M1GLMT"Z7S<] 9TQ?!VX;Z?2=W;\2K#EM)Y M>+GW] <3OW:.*M,/5HFOI.'!URCLQNFWCOTL+ ^,F.W#I,"1U[%_>\6 MN+FD&=,FIY8NEL;TA]WWP^O+T_4&0=;,.]Z!M/3S!,^(SIT7Q=(^]{KIF]BZ?*R]_] M]W ;%^MYZ*!]YX"E2^$BYY%L.5+:L33248+%]YFNWAO%+ TO>Z;,H56%I94%)9$S!I& MF'"$OGSL:5E!4ZQYGMQS>C:'D =<%LU1RC+!A!TJV.K]W==*\%TN-9TL;] MM2U8%U_2XLOF,93W\CCBX5GD'QC\OEX#S4&2=AD)PLUGOUUB[DU(535M%HS'!U]YVLD@DAN]R-PUX@ U:'Z]K7 M7=43#0%[\QCVG!$VR%-=>[4=!35) I8:$L.%#T.^.K$M4D7D!^K*<^(_QI8& M%1A6<02,WPU0B!7-I-\GAHIUU$[:U@7:5(A4P0^FK.(S%0L%'DX6OVRL.[U;NX;-1S#U]SUIEKC>JW#VIF+GI')M$/M.C&O@#=V_U$_2] M);Q4!@(_R&6<;10Y)<2-Q-PT"*6E;^.03"$JS:I55PJVN#:S7.J,'A1ID7#E M-]1YRAEU*4,,XL;B^U"@4;-^UY#?.P$-=<]'E6'8))+S;&Y*C.O M02C&G=5(3.1*>"055?\ TN.VBY,W)NO]!&VB=R$ZN=V^1Z@%OH<5^G[\S3C M0:T-QP37&_[Q*E.G4W=58^S9M4TO^QT3+N'#]GQ=U.5N?&7;6_CR?EKA@]6C M!QZPONB-5WE2=,\,6FI\5'? \)I&&=&\+SOS?.48CG\H$GCM@]" MP1<.3MTY$AF %"7DCR#FM$?$5*Z-@'27>^UX+T08B]G'E9>,,",W:?6^NS/& M-FT6S'HA&5O0/Y[\LFU<&0EQUE-GS-["TT*,(M4(GIN:.@AM[J/O- !,(]9L+K M903! A-:0D.4;$ZD ([W45V/H'HDFR:I^@:*C-&$9&>\3O&WUC:@SB;_M(Y!_1LL?1?T5+2<4LTR?3P'>36'[4'\IVJ[5,IU*B)O$XHJHRUBJQ6!^2"*'M;Q!&H1)D +I<(&3) (,I)*X>9 .G.&PI@'\K&(Z@%C$_BP)M(:Y[']BL=;<;\ M1? "6-6#KR?/=WF99^$=9)95I%K?) MBP+@BLI_$E/8G.]M8G;, CRO-_\^@]P=OJ8>#3-A^\Y$'N(FCH#D+?,@3A4! MB5)M&V',75,ZJ^B"P1B0H]>.1 QG&5<*N;!'H@ZD,?_-L.)* I@#[9U(OS"4:=.]>EQP/BKGF=<) G,'K!EE+K[T.?)I2.^?Z;&P<&9*QL<<48'F!N. MZ@WT?SP$![I]B,J[0#B Q=0 4Q_K7LXY]WVO+((''2@6I+_]TG6GG0TA_B&#(K)FB"R+O/& M:7 9\YST#BD C]D8?)40K\WX."(%B#$7]>-8LO>_^]7(K7-?@:V'@(%U2 @8]]% M]RP@ CO]T@'^N>++>HHB^7](&O@1H0:&C0#%B(\,(8$F"C$E>6= 9!,Z5(D]9) ^'"),O@8"S@MWTJ3K^:QP'$007KVG((/5#2<,__,SF)9#QCK>HT<\U.=B"AAB%8APJ% MY,@\M@EV\[^+ 7D(M"Z3.8 M\6EF6RE/O>0< L[M]?O3^A6(80=[$+M"]#\%$9M_50;*#\%%%$^2.9N2'PI'(WEKTO\#[6:!5 O*'M>Y>4(C>5?D MS$,E5^4TR])"&8^ZP8?/+T-&K"7Z(T[D-*K!TU"8HHZ6M0Z//GY\YZM3SKU M-MHU1-#S4*[1:,UG,+N$BHMM%8H. ^'5"E7AG6CX]R;!C(D[N\'6(]K@L6"6Z M? _C");WG>@^NC5Y7\[O/=>E">_CT6_Q&KZ*Z"L!B__ON#I\"MH+R7+>K]XT1Y7+\+"K*7_N+ZV\IC5?N;!L1:O\O_^?;S@X(;M3'\6]?']J&,Y_M M?%CJ #]D:A-J"%"MVZ. GRLWGEQUHU0GP!@&%=\3'L=<5@C**%L%Z);WC!4 M/MJZ%C5G74V)90=\13NF^=U<"\QZKNS[5.)^[,/&B-4/KQA$XH5K?%+O)Q6$OOD=08ZG$<; MWY'!MW>LT3$2EV.'K0KV,3>??*%)6)A5VEI'QQTR\6:TWG+0Z=HX4%]%GR M(&:YR(9R 3FN&_6?+PHMT;Z(M)"WAE"HX\Q T#>?'#2"75CK@ M%XC0-7*-@6YK&D^[-!P:!4PM-YH#%=1$=5]\&\M.;\78P[)-65NI%Y,W:.R5D#3?EM_SUE M/6]T6]03*N2T:4>=M'=[!-]>-@'1T%V?U8A9P@[S\1.7?5/@6A4A;/V&5!:-YHMD/+R"750_(+Y+8&UF*(9@]2-ZF M99_M\N_Z^2?V*5DWL"/59BS@C1<+H-[Y26K#SR3!SSU>L/GY)_:Q52M8 (8? MFL-R#"Y#B/L&(9$R0.)E 3%R5_T=$]E/A["D'B8'5%C= 2]KG:D\3+_Y,#HWVP*3*D7(PY96D(L]? _J);1QV+XXVXXE;<;MHIMFS<* M.JX?X3@-B:7&OF,!19?^/#^.IR _2HU&'9W*R3XE"\OQ5E@")*1V +,._AU%B0A'<HDL^(58]H+*HFD.FA#L].9X #TNPY.SF7]H("1XJ8ZY(LMF/N;X(!HNC*5!1"P(6 WHK,1GV!VI MACTPM4_;G\'C$]Q"""RYUIAZ=@H0IQ=YC 5O8#VEVLX#"YBJ6$]YO[EMI>T MQU;K7/RQ4]?.V&BS %Y1+'TV9H9]-IC$=0C?)^0[,-PMWT0EK0FLTH6BJS9$ M1RU_R-RMH/F4 ,>_^FU&:"K=)P:_*>/2X???LFZL%&^X]L%K?$#1S^/+Z@UMEUDS- M9'F?Y_DOMD@.? G4&J66!RW]W\0Y7FMQ]+KMZ*WSHH*?,L-+Q ?AS+X3A7 M[.XH6F;BU+^Q)6%,C+9RQ/H_)E>@$1(;.'IUFMZHS>&L,YBU'4NGGB>]5=,N MZ.;0S^DK%G(KWPV)R@=H=AN\+.*/P0/W@W.R4%!0F=SQDY/9=RFGJ.&IH[O8 MWHYC';R0W.+7/%7T\">]#0>_V'MC;2TLRC2M.\VHGM7&6X+*1WH^Q!971F9=-M[]J>? ^"1&8^+QO&[SV/]7#&&3U,XNL*NJ?<9"G"99>SVFT7Q"_KD%3CW1+#.S M;M<,]!G%QUMAI5&'ITTRS)=E^DQ]%Y9V%N8B.B?E-HT/C_O+$>..*T@G5.%0 MGXJU>&5V;(J>:-\%NPK/9JM&+EXI;90.4J$J/ M7%NF"TV/FC!]SCM*K8_J/2MSSO/+$;&GO*4%BBBNHT0/CKA]MK((%]N1BQKS^&\]@E M'T\U*U%*;ECHS&]).B\1T]CS6#FE92;.#.]\;9K-U@7;G*RM"W,!X8R.]'Z M/(0W_WK.CH^KMIV2EVKN2DQ]&A^Y%G=(;(0<5Z(]22_!9> OO&JG]1H;1M011=S\W*_*O M[E>9/U" <9]??6E]P\8]JF&*Q)*W4Q\W291 7!">A)AB!07MV]O)SU6CB\J=T9O+@"4I^R"'MZ0\MR@2EN?4%;Z@TX]XT\D;#@M+6#=WMAXYNZF[^5"N_A\\V)B'A\SV-I*;3 M1L9GK"1Y7JG3$\(+73_-"^A2B8_*>BS]H\(GJ=[OH*K)SPE4C1=VA&Z[!-M]ZM>,E$@3'<)G2?#@VZNVY7-W]SO-.,3.,1>Y9F'.??!08LL[]&**.;6O&;GN7"^ M<[Y2EOVXTZVR91^>>/4@I$4KO7#*AB$-1_(#1%G:VXV+ M5INX\=.QDO<.4]+FT&CFCB;WDX>.|:^)../B*[AG1"T*.=(@,"G<=>?:@16) M7("Z9KI+9A/S2+E&G845;?^8:5-3[>/!SCUF%OD//!X^>5RP6/\ OYE<3/:)Q MCHL#\RC>;_!1OGJ7E04+]FO_KM!SL2*1%Q>PUIB3ET*'/AE^DGJ*\N9%^PS2 MUOLK$71>A>N3VSSEAPWY=_X9K;%[WGH&V8.<%*

*M_SS:*O#=3;(\C1?-$'@PU^;WX><_9+49G4?1+6N"IF3,(*]V.UUQ1GFE7AJ-M2PI;,><3I?;\C@\U;.^]%>\,RIHZF9A^L?$=\03]+U2+(AP>(A&]2X^]|A$O+*

*MW"^+X'!3*CY_;Z\);&/B)6XGZG#)0J2U\/75ZGHU"E.G60 .&M=,/X>FA$]'-MD7E@-)ER:>.T&DS-'\5OF=7;]'[O7FE,7TR%SAH55T 9Z-A/@OH-MPA\;'Z3WC%\/V'K1ZV^652AT. CV?V<*

*M!<1#/07^"+1 BP6H0SU]11#@[7R'!5Q&\\7+-66[9Y14G>[M[!MO<8C2*3)9 M_\KR&/#P7)<$_R;ZW_N@LS-'/P^IG:=)^TF1"R.?V?G4W9(=;9G;0+(0X[PF MSRSC[\"V,[*)3.8O:_\W3Z/V.[0RVV!T"IJY).#_$KXX!6?,27'$7H|S2+*C MM"LK-W=;-]/)171NBD=HK39R&@K -++8(7VAG;/=\"JH ->4%,)(/+C0^ MX[5!4?&<+*,[`9*$]!7KMH?)8501.EO-!WK'#<;NN?=],>E?1S!(L(GLK12 MVKEN/;T9DD<7(05UH#RF-CCN'FZ9[\G'MG+%1.?GF2<7NL M<9]lU=#.C<+F(^Y!'T0_\E9O7<#_I4+CFX4F[8%_O,R8FSH]OJ5N#5[AVTZZ%99^),L[>$-]}1FM?.N[W>5^/MDXLF)TB4GE/MLA$W.D(;%Y)- M]2D]$T]B0E8[CMVI3 MN.7D;1^^RI0QU%Z[1GNA?=T'A;@)9VR--/>.OLI337HYGAS1R+&C?,/@%:KP*

*MRP\LW)Y#;NKUBJBM(O:?/<]TP@=&K>. M)(#X{T5J2B[K;321:GY:C+ RE4'Y=;WCW=?3-&XLG+H6VIR'85;ZN3//&88&R5[O7>9SD$?IF<.,#L(.MR5-H9B4/I[M69/S2#B5.&&&?S"S7Q=#WJJ2!6N[GGT"Z$)H]Y_M!V%++>;QV'SC1F.KJ3 M#]*H>Z}+XY6:R'B=(#2>8(!A3R#04_IWJ0N>B3J(/)DBJ%/^R'!=%4.!8(L8)8B&/)SXYU.(-?]*C+6OP(%D-R!A/T?*

MN0PRM!%LG)!D\NDN/T/9O 6V) I-2BNA.H,%\^!OY"<@8EX!(&5I.)51,X=0C#YV]!LC,"?B59G_,P_5:GX:1?'!NI$&,M#G)O MY=>G%)RA3)0-I/O"LF[T[W6;_:4;2[B9 (6WBP60SD':

(5.:P,9)B>RD!LK M&KP.MX"2J^@,6+TBFP&#,*!$,DH]\OY511OZ7FB&W$@"-M2=!346 M,"0)03=I_UTB.WU+Y&.(G.U3@T_]W3%,/+L!686?4X?1!4#*TE+/_\A*!.E- M.-3<-*

*$(T@.0[0XQY)10+HX M8@[R6P0XV'I6R.*4U7.QB@6*8>=-8I$LX!5. ,;DKD'\OI^+" 50X<;LFPS M^^".,$/=39UB*7YW-]UC^.>2A2KD M9KL*$12RF,3X;*KX02298)"3/F@U<6^M#N^\X*X"DG-*

MOVC3%R4+W6K/]EB/ MXA5F$,V"'09V<&YD:RCU%JJ1,#=FJ[7]KY^)>W9<1&1'-C^.^U6*W8?9:C^(NG ML(0PI_" =6H*OF8Z1$R4ZCL(BC[SUSU+YDZ^;&WK/O&HM;-

*VDU3O7L>NRC,'-MZ\[TSAI.V?'W8MLQPQI'31@D[ET:V MN45V",3X29"#/B6FG=-.^UJ<^""?A8E&E/"P4+<(Q4]$[8EE,/C[(O#LH*G\^ M^E0Y-OBDV62*A>R8<>X-*

Z]BM=_<$?]K'GVH[#R5?)U"A2FT;R+31IMY9LA[' MO?3*E+6E$!),H:(-CA2;H^53Z^H-5M>%,315^XHU MY63^[++HOWW2-*

SHXKFZB>>7PA;K#G7LW]=;>\ZM]D=*WD9\U9$_VR$F@!MH?4>L@.Y MV[\ #XXD#E?B[WB+/8$#ZX-(^,W4460)-'/RO';FK\HIM]-G+76>R/2MKQ[..$ MB,LH.T?U$I.!*

(5+I$C0;RCH6$,GY%DG9'"%,:+3/VLYJUCTY#T0!S57TS?/]ND3RS=6]LHNU=TIB$,<;KX@O1/;^B6[>]6'-MO4;\XO<290|+]T6M=!L9!*N32?5T"51=OY"8Z&Q0$:6XW;&B?OC>4?0G?

-YU-MCD6W>'XW$5&PB[U/ZSZHW5V!2L7>5Q4:+5>L=%Y "|%Y[CI^NMQ@\]YK]PD3 MQ7]L6LJ/S>>S4T0=_,-^.1:T3#'@):>$2R\!R5@^'KMKCEHB#>[WYT_SZ7J9[+0

M=+@CPB7HM@+G]L_7BM5"@$Z;!'RV%D$;, <18R$@0MO7L:"=_+CS)%/1$]] MFK,;++<\D%+W6TVC8?\-49>^.I.B#P[$!8R',"XDZ ((FSIS,!L]&6N>/X@9DL M,SULR.AA%M*

*'(4_M;.3N^"WZ*UYFM?%BY)K[`?%;.!QQZTRU%,P^N"3WZ[!M M=:L%OO&JXVCF51!)0$.V&^EGD9NL@TG M7B$-M+O/$@4+:,5;-*

VLW^&9GVU\V00TO.7OK#T]G("K\=GU//L_:EQ2$_2I MZ,/+=G<-/^)O5&UZ]?]\8>.N8D_/>4>&IPT+,K\H$_@BX-P!DE-:W('4"]] MXO#*B/WZF]>>K0KX100J1$T_Q4NA>J&[/\]=-*

K[T|)?VDP--8/\3-*ILIHO6Y72G]^.>5- M4T;T?9MNBS.A(*Z9CXFI/D#C+X1)>|G7|\|Y]0N5+%OQ#4:#R0]W*0T8Z>F]& MGCU;^2NYXD7)W!AB ^2))]KDG-SV3QY7)?*

*=V]*R_/IO!8$QX.A 6N7<6=K2>M M);(6\2*T_LI\3O(S;O__H//BB+A-=AK/E%X-J;'+|<*.Q(+X'>B\&HAZ+J8P9*9H:L97L9E8?K.C>+N/1P.FC<3F(__>>_T9 MO_/?*

M(;_961L65X=F%|T4T/,88.=:42R7.USH8V:EWGOO_7?3.@?+(?Y#W9 M+?VY6&]\:PS[fVL(B91FZC5P*.6%1B'(>"\/5T97HQ:DTS/4.P[%#_Y**$M1%L"?2!ID^HQCJ-#DH\O@*

*MY^M):*HA W-8_ +ZER0Q08'5MO2*$(2#/L=)>4LEL1^;*.:O.$CE!FO15B;+ 4YES'>.I7_R[!RA!,$00!2U]HA0:B.Y:WZODO[&Y\33TA|:*IBZVZC&(,,;'3 MB&DLUBZ*

<_HE0=A'%05_1#]R (0IFLD!E66"!"$Z Q[O_^@2W\+6O?'PM2K MN&#\[#PTD1H09B]]"D(.64U9]5*F'T\KX_XW59[]#U;6IU[%!&-G:J2 4 M5$>*

*(V/K5R$4&EEVW.4@(N[4C!,\2,P2LOD178@&8'A9 Y[1'$%X%;(&B/<4"-MF!P%8E79,SF4>U]\D;_/IM0?M#!%) G9=*8>3+TSE]_K1R>R\%\ULKG:E7G8,Q<^O*(94'()4BA%0&ESQ(*

*MXA]=96$>-RJW|EUY-I@9+R*W8 C8>68 XW(_^0<0R@9M%<7;_$E@(7BA?#4U'-M]XDTS>?Y(*E7]:%J&\J^&,S:S66(R\%OEPV2P4$&(0BY&I#N8[/+NI=9?I13 M*?*

*;UELS13:R#W2I8+65GP(+>):.9W+H.07*OI5% M_]XNH8R'7%>%V1#0O[CEH8[K+,,,>\N.7ZZ.5SD\L;"G!48_*(2!R5#BH:-=T M):2?;N^Z6R'L^7[/7^[*SY$%RK$FL<;VECFQ= MV-*

J3NC_NN\W^^_7M6@-M5: &G'I[\%8:Q. J{K'V4_>0BF]FZU+M5ULH3 ; M/1 ,F!]+ ^C&)7<=?(.O3[^X8%9)/P;W#9 M2 =>CPPO5)WIJ<07#01P34Q ^R_, ?*

MO;D>I^G&>>)>,,W0TG1%Q7^,,>@# M'6/^ ARD(6:NIWP@U@Z-4O5_6"P4]B>5,>'IFW8AB5_$939>M M(?L'H@Y_D;F?T^QWGGB=+,<"#D'44DK\3I+& T+ZNY2B+>(%N&[>XGTB-

*T]F M='DOSZ[5.7>A4&9.-018-*2L;0+ \W7ZZ3?-(U!%<-A,JK;N# MUC_@O'2$4LIK,[?Z'\PR[:GN/TAZ4!=>I\]DYVG.5.PH M$^9.=Y,^W*QF8HC\A-LRX#=3Z61@I*/_)>86?*

C)6BO.S/N M?!QXD)"=1[JW&,.@G-_Q9#L[!Q>W%^.AF=+GB.>O7!*?"%8[\?.#E'=1VB[-(*.E]R$ M=>'M[C0J9@#IEJNM0%[0W$^[)*\U =L4YV39K*1D9;7^\.FJ],K%QW%UMQ*

ME'OO>$;)B#F'14O5E54:Q3D#WCL\/CN+!"7Y72R@_O$MT12I M!'.;?EK]$;&.RI>)=S0L*0^%)&!CE$YO'FO88Z3L\UI.BD[CID1NNJZ6O:

M(&1GYL87H^!H;!;X_H40AZ9$*WF^".VTQ\|FPVRB0KIE7@8A.%JHZE$1=X@1 MV]_MD7>\-F)#\LXS.V,>;]+6$AM:=?SATBLHFHAS;64&!&^UXP0])[^3DL$) MY##CZR7E?8PQ!P?

QY#K7/XH,AL>(!T0>G'#=W6\D3"[_UZJQU4XU18B(OSW"C&W6U2NEP79'[O$XQ1PZXYDUT"CW76X&6LT8;4 M&KL7YE[1A-M+CODQ;F8.>+\UOS@36Z)Q2V6:2UG08OIT]5['-*

M'@ISTTJ3#U$Z7%9@'!0G=D&%QRI2[N7:+'EHW61NI6..P.K.E^O56]MHKQ]2 MOL,8.<88I/V)K"@0%3.77_MDX.I>_/\>.IM\-5M"^+/)"_0?-HA_,%\(C

*MP#'S,#!]?,%ME!*OUD8W2S'S[G[B%7%@?K4^B'6PI8P#JJ&7$A>+B<# ^-/7-2IY_(Y+J;6;!1 M^*3]8=X=.N=-)D>N?M@HO"XNB>'O0LC&UUBA[0&.T^S5-+*

*(^N^;S3*U6K5='1N,M9\0-5K'NX M[^Z*H[V"ER76>7-%\-^+F3^>;R ETB=L>K;1&+V^M&B"L&\>,:),[O[6DP. MI&&V2QP6MQ9V;?HC0;'SD39.O2C<[""U^30%<>%Q9%7]GF*

*3A=\K/7L^%+8^? MF#)NV!HYOL[9]7C*F\OK1_AV9#4^(U8\+2R*^-0OM?UTY!\WU^M>Y@2,X!N\ MG$^2 U#>B0Z;TOU3+"5CU/-R^79\%DWEVNKR;OKPUM0W8QX-NH1/F*

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P18M false 10-Q true 2024-06-30 false 001-39231 DE 82-2729751 One Commerce Square 2005 Market Street, 39th Floor Philadelphia PA 19103 267 866-0311 Common Stock PASG NASDAQ Yes Yes Non-accelerated Filer true true false false 61767286 24770000 21709000 67003000 92585000 1397000 923000 1830000 2742000 95000000 117959000 13054000 15295000 16822000 16858000 516000 433000 125392000 150545000 621000 1298000 8063000 11670000 3701000 3373000 12385000 16341000 22450000 22921000 34835000 39262000 0.0001 0.0001 0.0001 10000000 10000000 0 0 0.0001 0.0001 300000000 300000000 61754786 61754786 54944130 54944130 6000 5000 717788000 7057890000 -67000 -43000 -627170000 -594468000 90557000 111283000 125392000 150545000 10430000 17324000 21965000 34160000 6510000 8064000 13025000 27111000 438000 438000 -17378000 -25388000 -35428000 -61271000 1387000 1532000 2726000 3077000 -15991000 -23856000 -32702000 -58194000 -0.26 -0.26 -0.44 -0.44 -0.55 -0.55 -1.06 -1.06 61682475 61682475 54683817 54683817 58989007 58989007 54651488 54651488 -15991000 -23856000 -32702000 -58194000 2000 87000 -24000 626000 -15989000 -23769000 -32726000 -57568000 61611796 6000 716125000 -69000 -611179000 104883000 44425 35000 35000 98565 50000 50000 2000 2000 1578000 1578000 -15991000 -15991000 61754786 6000 717788000 -67000 -627170000 90557000 54944130 5000 705789000 -43000 -594468000 111283000 6000000 1000 8741000 8742000 712091 35000 35000 98565 50000 50000 -24000 -24000 3173000 3173000 -32702000 -32702000 61754786 6000 717788000 -67000 -627170000 90557000 54626690 5000 697517000 -427000 -526744000 170351000 18750 100240 89000 89000 87000 87000 3743000 3743000 -23856000 -23856000 54745680 5000 701349000 -340000 -550600000 150414000 54614690 5000 694733000 -966000 -492406000 201366000 30750 100240 89000 89000 626000 626000 6527000 6527000 -58194000 -58194000 54745680 5000 701349000 -340000 -550600000 150414000 -32702000 -58194000 1603000 1956000 3173000 6527000 -741000 -869000 -463000 438000 357000 -3530000 -912000 -5593000 107000 59000 -677000 -682000 -3607000 2150000 -32065000 -39585000 50825000 73528000 77124000 108843000 129000 26299000 35186000 8742000 35000 50000 89000 8827000 89000 3061000 -4310000 21709000 34601000 24770000 30291000 -24000 626000 422000 422000 1. Nature of Operations Passage Bio, Inc., or the Company, a Delaware corporation incorporated in July 2017, is a clinical stage genetic medicines company on a mission to improve the lives of patients with neurodegenerative diseases. The Company's primary focus is the development and advancement of cutting-edge, one-time therapies designed to target critical underlying pathology in these conditions. The Company has a strategic research collaboration with the Trustees of the University of Pennsylvania's, or Penn, Gene Therapy Program, or GTP. Through this collaboration, the Company has developed its lead clinical product candidate, PBFT02, for the treatment of frontotemporal dementia, or FTD, caused by progranulin deficiency, or FTD-GRN, which seeks to elevate progranulin levels to restore lysosomal function and slow disease progression. 2. Risks and Liquidity The Company has incurred recurring losses and negative cash flows from operations since inception and had an accumulated deficit of $627.2 million as of June 30, 2024. The Company anticipates incurring additional losses until such time, if ever, that it can generate significant sales of its product candidates currently in development. Substantial additional capital will be needed by the Company to fund its operations and to develop its product candidates. The Company's operations have consisted primarily of conducting preclinical studies, developing licensed technology, conducting clinical trials, and the development and manufacturing of clinical supply to support clinical trials. The Company faces risks associated with early-stage biotechnology companies whose product candidates are in development. Product candidates currently under development will require significant additional research and development efforts and establishing manufacturing capacity and regulatory approval prior to commercialization. These efforts require significant amounts of additional capital for the Company to complete its research and development, achieve its research and development objectives, defend its intellectual property rights, and recruit and retain skilled personnel, and key members of management. Even if the Company's product development efforts are successful, it is uncertain when, if ever, the Company will realize revenue from product sales. On March 5, 2021, the Company entered into a Sales Agreement, or the Sales Agreement, with Cowen and Company, LLC, or Cowen, relating to the applicable terms of at-the-market equity offerings, or the ATM Facility, pursuant to which the Company may, but is not obligated to, offer and sell, from time to time, shares of its common stock with an aggregate offering price up to $125.0 million through Cowen, as sales agent in the ATM Facility. The Company issued 6,000,000 shares of common stock under the

ATM Facility, resulting in net proceeds of $8.7 million, after deducting offering costs of $0.3 million in March 2024. The Company is limited to $50 million in its capacity to offer and sell shares of its common stock under this sales agreement pursuant to its shelf registration statement on Form S-3, filed on March 4, 2024. As of June 30, 2024, $50 million of capacity remains available to be sold under the ATM Facility. The Company plans to seek additional funding through public or private equity offerings, debt financings, other collaborations, strategic alliances and licensing arrangements. The Company may not be able to obtain financing on acceptable terms, or at all, and the Company may not be able to enter into strategic alliances or other arrangements on favorable terms, or at all. The terms of any financing may adversely affect the holdings or the rights of the Company's stockholders. If the Company is unable to obtain funding or prospects of funding are unfavorable, the Company could be required to further delay, reduce or eliminate research and development programs, product portfolio expansion or future commercialization efforts, which could adversely affect its business prospects. In accordance with Accounting Standards Update, or ASU, No. 2014-15, Disclosure of Uncertainties about an Entity's Ability to Continue as a Going Concern, the Company has evaluated whether there are certain conditions and events, considered in the aggregate, that raise substantial doubt about the Company's ability to continue as a going concern within one year after the date that the financial statements are issued. As of the issuance date of these financial statements, the Company expects that its cash, cash equivalents and marketable debt securities will be sufficient to fund its forecasted operating expenses and capital expenditure requirements for at least the next 12 months from the issuance date of these financial statements. -627200000 125000000.0 6000000 8700000 300000 50000000 50000000 3. Summary of Significant Accounting Policies The Company's complete summary of significant accounting policies can be found in "Note 3. Summary of Significant Accounting Policies" in the audited financial statements included in the Company's Annual Report filed on Form 10-K for the year ended December 31, 2023. Basis of Presentation The accompanying unaudited financial statements have been prepared in accordance with generally accepted accounting principles in the United States, or GAAP. Any reference in these notes to applicable guidance is meant to refer to GAAP as found in the Accounting Standards Codification, or ASC, and Accounting Standards Updates promulgated by the Financial Accounting Standards Board, or FASB. Interim Financial Statements The accompanying unaudited interim financial statements have been prepared from the books and records of the Company in accordance with GAAP for interim financial information and Rule 10-01 of Regulation S-X promulgated by the SEC, which permits reduced disclosures for interim periods. All adjustments, consisting only of normal recurring adjustments, necessary for a fair presentation of the accompanying balance sheets, statements of operations and comprehensive loss, stockholders' equity, and cash flows have been made. Although these interim financial statements do not include all of the information and footnotes required for complete annual financial statements, management believes the disclosures are adequate to make the information presented not misleading. Unaudited interim results of operations and cash flows are not necessarily indicative of the results that may be expected for the full year. Unaudited interim financial statements and footnotes should be read in conjunction with the audited financial statements and footnotes included in the Company's 2023 Annual Report filed on Form 10-K. Use of Estimates The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and contingent liabilities at the date of the financial statements and the reported amounts of expenses during the reporting period. Actual results could differ from those estimates. Estimates and assumptions are periodically reviewed, and the effects of the revisions are reflected in the accompanying financial statements in the period they are determined to be necessary. Fair Value of Financial Instruments Management believes that the carrying amounts of the Company's financial instruments, including cash equivalents, prepaid expenses, and accounts payable, approximate fair value due to the short-term nature of those instruments. Concentration of Credit Risk Financial instruments that potentially subject the Company to significant concentrations of credit risk consist primarily of cash, cash equivalents, and marketable securities. The Company maintains a deposit account in a federally insured financial institution in excess of federally insured limits. The Company also maintains a money market account in a federally insured financial institution in excess of federally insured limits. The Company has not experienced any losses in such accounts and believes it is not exposed to significant risk on its cash and cash equivalents beyond the normal credit risk associated with commercial banking relationships. The Company maintains a portfolio of marketable debt securities, which is diversified to limit exposure related to counterparty risk, industry risk, and security type risk. The Company maintains an investment policy which dictates the allocation of funds within its portfolio of marketable debt securities. The Company has not experienced any material losses in such portfolio. Segment Information Operating segments are defined as components of an enterprise about which separate discrete information is available for evaluation by the chief operating decision maker, or decision-making group, in deciding how to allocate resources and in assessing performance. The Company views its operations and manages its business in one segment. Cash and Cash Equivalents The Company considers all highly-liquid investments that have maturities of three months or less when acquired to be cash equivalents. Cash equivalents as of June 30, 2024 consisted of various securities as described in Note 4. Cash consists of cash deposits at banking institutions. Marketable Securities The Company classifies its marketable securities with original maturities of greater than three months as available-for-sale. Marketable securities as of June 30, 2024, consisted of various securities as described in Note 4. These securities are carried at fair market value, with unrealized gains and losses reported in comprehensive loss and accumulated other comprehensive income (loss) within stockholders' equity. Any premium or discount arising at purchase of debt securities is amortized and/or accreted over the term of the security to other income (expense), net. Gains or losses on marketable securities sold are recognized as a component of other income (expense), net in the statement of operations and comprehensive loss on the specific identification method. All marketable securities are available for use, as needed, to fund operations and therefore, the Company classifies all marketable securities as current assets within the balance sheet. Property and Equipment, Net Property and equipment, net consists of laboratory equipment, office equipment, computer hardware and software, furniture and fixtures, and leasehold improvements and are recorded at cost. Maintenance and repairs that do not improve or extend the lives of the respective assets are expensed as incurred. Property and equipment are depreciated on a straight-line basis over their estimated useful lives. The Company estimates useful life on an asset-by-asset basis, which generally consists of three years for computer hardware and software, five years for office equipment, five years for laboratory equipment, and seven years for furniture and fixtures. Leasehold improvements are amortized over the shorter of the lease term or the estimated useful life of the asset. When property and equipment are retired or otherwise disposed of, the costs and accumulated depreciation are removed from the respective accounts, with any resulting gain or loss recognized concurrently. The Company did not recognize any losses on disposals of property and equipment for the three and six months ended June 30, 2024. The Company recognized losses on disposals of property and equipment of $0.5 million within research and development expenses for the three and six months ended June 30, 2023. The Company reviews long-lived assets, such as property and equipment, for impairment when events or changes in circumstances indicate the carrying amount of the assets may not be recoverable. The Company recognized impairment of property and equipment, of $0.4 million for the three and six months ended June 30, 2024. The Company did not recognize any impairment expenses for property and equipment for the three and six months ended June 30, 2023. Leasing The Company evaluates leases at their inception to determine if they are an operating lease or a finance lease. As of June 30, 2024, the Company has classified all leases with terms greater than one year, as operating leases. The Company recognizes assets and liabilities for operating leases at their inception, based on the present value of all payments due under the lease agreement. The Company uses its incremental borrowing rate to determine the present value of operating leases, which is determined by referencing collateralized borrowing rates for debt instruments with terms similar to the respective lease. The Company utilizes the accounting policy election to not separate lease and non-lease components and the accounting policy election to not apply the recognition requirement to leases with a term of 12 months or less. The Company reviews long-lived assets, such as right of use assets, or ROU assets, for impairment when events or changes indicate the carrying amount of the ROU assets may not be recoverable. The Company did not recognize any impairment expenses for ROU assets for the three and six months ended June 30, 2024 and 2023. Share-Based Compensation The Company measures share-based awards at grant-date fair value and records compensation expense on a straight-line basis over the vesting period of the awards. The Company's share-based compensation consists of restricted stock units, or RSUs, and options to purchase common stock, or stock option awards. The Company uses the Black-Scholes option pricing model to value its stock option awards. Estimating the fair value of stock option awards requires the input of assumptions, including, the expected term of stock options, and stock price volatility. The assumptions used in estimating the fair value of share-based awards represent management's estimate and involve inherent uncertainties and the application of management's judgment. As a result, if factors change and management uses different assumptions, share-based compensation expense could be materially different for future awards. The expected term of the stock options is estimated using the "simplified method," as the Company has limited historical information from which to develop reasonable expectations about future exercise patterns and post-vesting employment termination behavior for its stock option grants. The simplified method is the midpoint between the vesting period and the contractual term of the option. For stock price volatility, the Company uses a composite of comparable public company data as a basis for its expected volatility to calculate the fair value of option grants. The selection of comparable public company data requires the application of management's judgement. The Company accounts for forfeitures of RSUs and stock option awards as they occur. Research and Development Research and development costs are expensed as incurred and consist primarily of expenses incurred with GTP, contract research organizations, contract manufacturing organizations, internal analytical and testing activities, and employee-related expenses, including salaries, benefits, and share-based compensation. Management makes estimates of the Company's external accrued research and development expenses, which primarily relates to contract research organizations and contract manufacturing organizations, as of each balance sheet date in the Company's financial statements based on an estimate of progress to completion of specific tasks using facts and circumstances known to the Company at that time. The Company determines the estimates by reviewing contracts, vendor agreements, change orders, and through discussions with the Company's internal clinical personnel and external service providers as to the progress to completion of services and the agreed-upon fee to be paid for such services. If the actual timing of the performance of services or the level of effort varies from the estimate, the Company will adjust the accrual and related expenses accordingly. Other Income (Expense), Net Other income (expense), net consists of interest earned on cash equivalents and marketable

securities, amortization of premium and discount on marketable securities, and income from subleases. Additionally, in the six months ended June 30, 2023, the Company recognized other income related to the sale of certain tax credits. The Company recorded $1.4 million to other income (expense), net for the three months ended June 30, 2024, which consisted of $1.2 million attributable to interest income and the amortization of premium and discount on the Company's marketable securities, and $0.2 million related to income from subleases. The Company recorded $1.5 million to other income (expense), net for the three months ended June 30, 2023, which consisted of $1.5 million attributable to interest income and the amortization of premium and discount on the Company's marketable securities. 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Diluted loss per share of common stock includes the effect, if any, from the potential exercise or conversion of securities, such as stock options, which would result in the issuance of incremental shares of common stock. For diluted net loss per share, the weighted-average number of shares of common stock is the same for basic net loss per share due to the fact that when a net loss exists, dilutive securities are not included in the calculation as the impact is anti-dilutive. The following potentially dilutive securities have been excluded from the computation of diluted weighted-average shares of common stock outstanding, as they would be anti-dilutive: <table style="border-collapse:collapse;font-size:16pt;height:max-content;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:bottom;width:60.47%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.7%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.82%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:60.47%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;margin:0pt;padding:0pt;"> </td><td colspan="3" style="vertical-align:bottom;white-space:nowrap;width:36.52%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Six Months Ended June 30, </td></tr><tr><td style="vertical-align:bottom;width:60.47%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.7%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 2024 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.82%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 2023 </td></tr><tr><td style="vertical-align:bottom;width:60.47%;background:#cceeff;margin:0pt;padding:0pt;"> Stock options </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.7%;background:#cceeff;margin:0pt;padding:0pt;"> 12,448,302 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.82%;background:#cceeff;margin:0pt;padding:0pt;"> 13,552,008 </td></tr><tr><td style="vertical-align:bottom;width:60.47%;margin:0pt;padding:0pt;"> Unvested restricted stock units </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.7%;margin:0pt;padding:0pt;"> 352,667 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.82%;margin:0pt;padding:0pt;"> 1,159,916 </td></tr><tr><td style="vertical-align:bottom;width:60.47%;background:#cceeff;margin:0pt;padding:0pt;"> Employee stock purchase plan </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.7%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 36,789 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.82%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 34,523 </td></tr><tr><td style="vertical-align:bottom;width:60.47%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.7%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 12,837,758 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.82%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 14,746,447 </td></tr></table> Recently Adopted Accounting Pronouncements In November 2023, the FASB issued ASU No. 2023-07, Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures, or ASU 2023-07, which expands segment disclosures by requiring disclosure of significant segment expenses that are regularly provided to the chief operating decision maker and included within each reported measure of segment profit or loss, an amount and description of its composition for other segment items, and interim disclosures of a reportable segment's profit or loss and assets. The disclosures required under ASU 2023-07 are also required for public entities with a single reportable segment. ASU 2023-07 is effective for the Company's first fiscal year beginning after December 15, 2023 and for interim periods within the Company's first fiscal year beginning after December 15, 2024, with early adoption permitted. The Company does not expect the adoption of ASU 2023-07 to have a material impact on its financial statements or disclosures. In December 2023, the FASB issued ASU No. 2023-09, Income Taxes (Topic 740): Improvements to Income Tax Disclosures, or ASU 2023-09, which requires that an entity, on an annual basis, disclose additional income tax information, primarily related to the rate reconciliation and income taxes paid. The amendments in ASU 2023-09 are intended to enhance the transparency and decision usefulness of income tax disclosures. The amendments in this ASU are effective for annual periods beginning after December 15, 2024 with early adoption permitted. The Company is currently evaluating the impact of this guidance on disclosures. Basis of Presentation The accompanying unaudited financial statements have been prepared in accordance with generally accepted accounting principles in the United States, or GAAP. Any reference in these notes to applicable guidance is meant to refer to GAAP as found in the Accounting Standards Codification, or ASC, and Accounting Standards Updates promulgated by the Financial Accounting Standards Board, or FASB. Interim Financial Statements The accompanying unaudited interim financial statements have been prepared from the books and records of the Company in accordance with GAAP for interim financial information and Rule 10-01 of Regulation S-X promulgated by the SEC, which permits reduced disclosures for interim periods. All adjustments, consisting only of normal recurring adjustments, necessary for a fair presentation of the accompanying balance sheets, statements of operations and comprehensive loss, stockholders' equity, and cash flows have been made. Although these interim financial statements do not include all of the information and footnotes required for complete annual financial statements, management believes the disclosures are adequate to make the information presented not misleading. Unaudited interim results of operations and cash flows are not necessarily indicative of the results that may be expected for the full year. Unaudited interim financial statements and footnotes should be read in conjunction with the audited financial statements and footnotes included in the Company's 2023 Annual Report filed on Form 10-K. Use of Estimates The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and contingent liabilities at the date of the financial statements and the reported amounts of expenses during the reporting period. Actual results could differ from those estimates. Estimates and assumptions are periodically reviewed, and the effects of the revisions are reflected in the accompanying financial statements in the period they are determined to be necessary. Fair Value of Financial Instruments Management believes that the carrying amounts of the Company's financial instruments, including cash equivalents, prepaid expenses, and accounts payable, approximate fair value due to the short-term nature of those instruments. Concentration of Credit Risk Financial instruments that potentially subject the Company to significant concentrations of credit risk consist primarily of cash, cash equivalents, and marketable securities. The Company maintains a deposit account in a federally

insured financial institution in excess of federally insured limits. The Company also maintains a money market account in a federally insured financial institution in excess of federally insured limits. The Company has not experienced any losses in such accounts and believes it is not exposed to significant risk on its cash and cash equivalents beyond the normal credit risk associated with commercial banking relationships. The Company maintains a portfolio of marketable debt securities, which is diversified to limit exposure related to counterparty risk, industry risk, and security type risk. The Company maintains an investment policy which dictates the allocation of funds within its portfolio of marketable debt securities. The Company has not experienced any material losses in such portfolio. Segment Information Operating segments are defined as components of an enterprise about which separate discrete information is available for evaluation by the chief operating decision maker, or decision-making group, in deciding how to allocate resources and in assessing performance. The Company views its operations and manages its business in one segment. Cash and Cash Equivalents The Company considers all highly-liquid investments that have maturities of three months or less when acquired to be cash equivalents. Cash equivalents as of June 30, 2024 consisted of various securities as described in Note 4. Cash consists of cash deposits at banking institutions. Marketable Securities The Company classifies its marketable securities with original maturities of greater than three months as available-for-sale. Marketable securities as of June 30, 2024, consisted of various securities as described in Note 4. These securities are carried at fair market value, with unrealized gains and losses reported in comprehensive loss and accumulated other comprehensive income (loss) within stockholders' equity. Any premium or discount arising at purchase of debt securities is amortized and/or accreted over the term of the security to other income (expense), net. Gains or losses on marketable securities sold are recognized as a component of other income (expense), net in the statement of operations and comprehensive loss on the specific identification method. All marketable securities are available for use, as needed, to fund operations and therefore, the Company classifies all marketable securities as current assets within the balance sheet. Property and Equipment, Net Property and equipment, net consists of laboratory equipment, office equipment, computer hardware and software, furniture and fixtures, and leasehold improvements and are recorded at cost. Maintenance and repairs that do not improve or extend the lives of the respective assets are expensed as incurred. Property and equipment are depreciated on a straight-line basis over their estimated useful lives. The Company estimates useful life on an asset-by-asset basis, which generally consists of three years for computer hardware and software, five years for office equipment, five years for laboratory equipment, and seven years for furniture and fixtures. Leasehold improvements are amortized over the shorter of the lease term or the estimated useful life of the asset. When property and equipment are retired or otherwise disposed of, the costs and accumulated depreciation are removed from the respective accounts, with any resulting gain or loss recognized concurrently. The Company did not recognize any losses on disposals of property and equipment for the three and six months ended June 30, 2024. 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For diluted net loss per share, the weighted-average number of shares of common stock is the same for basic net loss per share due to the fact that when a net loss exists, dilutive securities are not included in the calculation as the impact is anti-dilutive. The following potentially dilutive securities have been excluded from the computation of diluted weighted-average shares of common stock outstanding, as they would be anti-dilutive: <table style="border-collapse:collapse;font-size:16pt;height:max-content;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:bottom;width:60.47%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.7%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.82%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:60.47%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;margin:0pt;padding:0pt;"> </td><td colspan="3" style="vertical-align:bottom;white-space:nowrap;width:36.52%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Six Months Ended June 30, </td></tr><tr><td style="vertical-align:bottom;width:60.47%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;margin:0pt;padding:0pt;"> </td><td style="vertical-

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style="vertical-align:bottom;width:60.47%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.7%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.82%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:60.47%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;margin:0pt;padding:0pt;"> </td><td colspan="3" style="vertical-align:bottom;white-space:nowrap;width:36.52%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Six Months Ended June 30, </td></tr><tr><td style="vertical-align:bottom;width:60.47%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.7%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 2024 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.82%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 2023 </td></tr><tr><td style="vertical-align:bottom;width:60.47%;background:#cceeff;margin:0pt;padding:0pt;"> Stock options </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.7%;background:#cceeff;margin:0pt;padding:0pt;"> 12,448,302 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.82%;background:#cceeff;margin:0pt;padding:0pt;"> 13,552,008 </td></tr><tr><td style="vertical-align:bottom;width:60.47%;margin:0pt;padding:0pt;"> Unvested restricted stock units </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.7%;margin:0pt;padding:0pt;"> 352,667 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.82%;margin:0pt;padding:0pt;"> 1,159,916 </td></tr><tr><td style="vertical-align:bottom;width:60.47%;background:#cceeff;margin:0pt;padding:0pt;"> Employee stock purchase plan </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.7%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 36,789 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.82%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 34,523 </td></tr><tr><td style="vertical-align:bottom;width:60.47%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.7%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 12,837,758 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.99%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.82%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 14,746,447 </td></tr></table> 12448302 13552008 352667 1159916 36789 34523 12837758 14746447 Recently Adopted Accounting Pronouncements In November 2023, the FASB issued ASU No. 2023-07, Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures, or ASU 2023-07, which expands segment disclosures by requiring disclosure of significant segment expenses that are regularly provided to the chief operating decision maker and included within each reported measure of segment profit or loss, an amount and description of its composition for other segment items, and interim disclosures of a reportable segment's profit or loss and assets. The disclosures required under ASU 2023-07 are also required for public entities with a single reportable segment. ASU 2023-07 is effective for the Company's first fiscal year beginning after December 15, 2023 and for interim periods within the Company's first fiscal year beginning after December 15, 2024, with early adoption permitted. The Company does not expect the adoption of ASU 2023-07 to have a material impact on its financial statements or disclosures. In December 2023, the FASB issued ASU No. 2023-09, Income Taxes (Topic 740): Improvements to Income Tax Disclosures, or ASU 2023-09, which requires that an entity, on an annual basis, disclose additional income tax information, primarily related to the rate reconciliation and income taxes paid. The amendments in ASU 2023-09 are intended to enhance the transparency and decision usefulness of income tax disclosures. The amendments in this ASU are effective for annual periods beginning after December 15, 2024 with early adoption permitted. The Company is currently evaluating the impact of this guidance on disclosures. 4. Cash, Cash Equivalents and Marketable Securities The following table provides details regarding the Company's portfolio of cash and cash equivalents: <table style="border-collapse:collapse;font-size:16pt;height:max-content;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> <p style="font-family:'Times New

Roman', 'Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;white-space:nowrap;width:51.08%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:10.67%;margin:0pt;padding:0pt;"> Cost or </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:51.08%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> (in thousands) </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:10.67%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Amortized cost </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:11.77%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Unrealized gains </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:12.04%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Unrealized losses </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:7.83%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Fair value </td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"> June 30, 2024: </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;background:#cceeff;margin:0pt;padding:0pt;"> x </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;margin:0pt;padding:0pt;"> x </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;margin:0pt;padding:0pt;"> x </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;margin:0pt;padding:0pt;"> x </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"> Cash accounts in banking institutions </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> x </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> 4,236</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">x</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> x </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> -</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">x</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;margin:0pt;padding:0pt;"> 4,236 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"> Money market funds </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> x </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;background:#cceeff;margin:0pt;padding:0pt;"> x </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;background:#cceeff;margin:0pt;padding:0pt;"> 12,004 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> x </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;margin:0pt;padding:0pt;"> x </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt

3pt 0.05pt 0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;margin:0pt;padding:0pt;"> 12,004 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"> Commercial paper </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;margin:0pt;padding:0pt;"> 7,255 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;margin:0pt;padding:0pt;"> 7,255 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"> Corporate debt securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 1,275 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 1,275 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"> Total </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> 24,770</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> -</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 24,770 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;margin:0pt;padding:0pt;"> . </td></tr><tr><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"> December 31, 2023: </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"> Cash accounts in banking institutions </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> $ </td><td style="vertical-align:bottom;white-

space:nowrap;width:9.03%;background:#cceeff;margin:0pt;padding:0pt;"> 3,596 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> --</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> 3,596</p></td></tr><tr><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 18pt;">Money market funds</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> 13,763</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> -</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> --</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> 13,763</p></td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 18pt;">Commercial paper</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> 2,670</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> -</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> --</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> 2,670</p></td></tr><tr><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 18pt;">Corporate debt securities</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> 1,680</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> -</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> --</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> 1,680</p></td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">Total</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 21,709 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> -</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $ </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 21,709 </td></tr></table> The following table provides details regarding the Company's portfolio of marketable securities: <table style="border-collapse:collapse;font-size:16pt;height:max-content;margin-left:auto;margin-right:auto;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> <span style="font-

size:1pt;visibility:hidden;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:51.08%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> (in thousands) </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:10.67%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Amortized cost </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:11.77%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Unrealized gains </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:12.04%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Unrealized losses </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:7.83%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Fair value </td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"> June 30, 2024: </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"> Certificates of deposit </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 8,429</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;margin:0pt;padding:0pt;"> 1 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt;"> (2)</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;margin:0pt;padding:0pt;"> 8,428 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"> Commercial paper </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;background:#cceeff;margin:0pt;padding:0pt;"> 37,116 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;margin:0pt;padding:0pt;"> (19) </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;margin:0pt;padding:0pt;"> 37,097 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"> Corporate debt securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;margin:0pt;padding:0pt;"> 11,936 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;margin:0pt;padding:0pt;"> 1 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;margin:0pt;padding:0pt;"> (3) </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;margin:0pt;padding:0pt;"> 11,934 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"> U.S. government securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-

family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 9,589 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> (45) </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 9,544 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"> Total </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 67,070</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 2 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt;"> (69)</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 67,003 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;margin:0pt;padding:0pt;"> . </td></tr><tr><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"> December 31, 2023: </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;margin:0pt;padding:0pt;"> . </td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"> Certificates of deposit </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;background:#cceeff;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 10,950</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;margin:0pt;padding:0pt;"> 6 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> -</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;margin:0pt;padding:0pt;"> 10,956 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"> Commercial paper </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;margin:0pt;padding:0pt;"> 34,601 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;margin:0pt;padding:0pt;"> 9 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;margin:0pt;padding:0pt;"> (4) </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;margin:0pt;padding:0pt;"> 34,606 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"> Corporate debt securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-

family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 22,940 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;margin:0pt;padding:0pt;"> 8 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;margin:0pt;padding:0pt;"> (8) </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;margin:0pt;padding:0pt;"> 22,940 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"> U.S. government securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;margin:0pt;padding:0pt;"> 16,049 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;margin:0pt;padding:0pt;"> 0 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;margin:0pt;padding:0pt;"> (44) </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;margin:0pt;padding:0pt;"> 16,005 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"> U.S. government agency securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 8,088 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> (10) </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 8,078 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"> Total </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 92,628</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 23 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt;"> (66)</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 92,585 </td></tr></table> . . The contractual maturities of the Company's marketable securities as of June 30, 2024, are as follows: . <table style="border-collapse:collapse;font-size:16pt;height:max-content;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:bottom;white-space:nowrap;width:43.23%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:4.24%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:19.89%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:4.05%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:3.86%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:20.46%;margin:0pt;padding:0pt;"> . </td></tr><tr><td style="vertical-align:bottom;width:43.23%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> (in thousands) </td><td style="vertical-align:bottom;white-space:nowrap;width:4.24%;margin:0pt;padding:0pt;"> . </td><td colspan="2" style="vertical-align:middle;width:24.13%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Amortized Cost </td><td style="vertical-align:middle;width:4.05%;margin:0pt;padding:0pt;"> . </td><td colspan="2" style="vertical-align:middle;width:24.32%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Fair Value </td></tr><tr><td style="vertical-align:bottom;white-space:nowrap;width:43.23%;background:#cceeff;margin:0pt;padding:0pt;"> Due within one year </td><td style="vertical-align:bottom;white-space:nowrap;width:4.24%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:4.24%;background:#cceeff;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:middle;width:19.89%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> 67,070</p></td><td style="vertical-align:middle;width:4.05%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">.</p></td><td style="vertical-align:middle;width:3.86%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;text-align:center;margin:0pt 0pt 0.05pt 0pt;">$ </td><td style="vertical-align:middle;width:20.46%;background:#cceeff;margin:0pt;padding:0pt;"> 67,003 </td></tr><tr><td style="vertical-align:bottom;white-space:nowrap;width:43.23%;margin:0pt;padding:0pt;"> Due after one year

through five years </td><td style="vertical-align:bottom;white-space:nowrap;width:4.24%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:4.24%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:19.89%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:middle;width:4.05%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:3.86%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:20.46%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;white-space:nowrap;width:43.23%;background:#cceeff;margin:0pt;padding:0pt;"> Total </td><td style="vertical-align:bottom;white-space:nowrap;width:4.24%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:4.24%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:19.89%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;">67,070</p></td><td style="vertical-align:bottom;white-space:nowrap;width:4.05%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:middle;width:3.86%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:center;margin:0pt 0pt 0.05pt 0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:20.46%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 67,003 </td></tr></table> <table style="border-collapse:collapse;font-size:16pt;height:max-content;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;white-space:nowrap;width:51.08%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:10.67%;margin:0pt;padding:0pt;"> Cost or </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:51.08%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> (in thousands) </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:10.67%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Amortized cost </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:11.77%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Unrealized gains </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:12.04%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Unrealized losses </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:7.83%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Fair value </td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"> June 30, 2024: </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-

size:10pt;margin:0pt 0pt 0.05pt 18pt;">Cash accounts in banking institutions </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> 4,236</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> -</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;margin:0pt;padding:0pt;"> 4,236 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"> Money market funds </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;background:#cceeff;margin:0pt;padding:0pt;"> 12,004 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;margin:0pt;padding:0pt;"> -- </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;margin:0pt;padding:0pt;"> 12,004 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"> Commercial paper </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;margin:0pt;padding:0pt;"> 7,255 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;margin:0pt;padding:0pt;"> 7,255 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"> Corporate debt securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 1,275 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 1,275 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"> Total </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> 24,770</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> -</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 24,770 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-

align:right;margin:0pt 0pt 0.05pt 0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;margin:0pt;padding:0pt;"> . </td></tr><tr><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"> December 31, 2023: </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"> Cash accounts in banking institutions </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;background:#cceeff;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> 3,596</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> -</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;margin:0pt;padding:0pt;"> 3,596 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"> Money market funds </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;margin:0pt;padding:0pt;"> 13,763 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;margin:0pt;padding:0pt;"> 13,763 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"> Commercial paper </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;background:#cceeff;margin:0pt;padding:0pt;"> 2,670 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;margin:0pt;padding:0pt;"> 2,670 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"> Corporate debt securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 1,680 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 1,680 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"> Total </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> 21,709</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> -

</td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;">—</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 21,709 </td></tr></table> 4236000 4236000 12004000 12004000 7255000 7255000 1275000 1275000 24770000 24770000 3596000 3596000 13763000 13763000 2670000 2670000 1680000 1680000 21709000 21709000 <table style="border-collapse:collapse;font-size:16pt;height:max-content;margin-left:auto;margin-right:auto;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> — </td><td 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</td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:10.67%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Amortized cost </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> — </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:11.77%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Unrealized gains </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> — </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:12.04%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Unrealized losses </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> — </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:7.83%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Fair value </td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"> June 30, 2024: </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;background:#cceeff;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;background:#cceeff;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;margin:0pt;padding:0pt;"> — </td></tr><tr><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"> Certificates of deposit </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;">8,429</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;">—</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;margin:0pt;padding:0pt;"> 1 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;text-align:right;margin:0pt;">(2)</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;">—</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;margin:0pt;padding:0pt;"> 8,428 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"> Commercial paper </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;background:#cceeff;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;background:#cceeff;margin:0pt;padding:0pt;"> 37,116 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;margin:0pt;padding:0pt;"> (19) </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> <span

style="visibility:hidden;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;margin:0pt;padding:0pt;"> 37,097 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"> Corporate debt securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;margin:0pt;padding:0pt;"> 11,936 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;margin:0pt;padding:0pt;"> 1 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;margin:0pt;padding:0pt;"> (3) </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;margin:0pt;padding:0pt;"> 11,934 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"> U.S. government securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 9,589 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> (45) </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 9,544 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"> Total </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 67,070</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 2 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt;"> (69)</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 67,003 </td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"> December 31, 2023: </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"> Certificates of deposit </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;background:#cceeff;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 10,950</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;margin:0pt;padding:0pt;"> 6 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;margin:0pt;padding:0pt;"> $ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New

Roman','Times','serif';font-size:10pt;margin:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 10,956</p></td></tr><tr><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0pt 18pt;">Commercial paper</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 34,601</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 9</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt;"> (4)</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 34,606</p></td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0pt 18pt;">Corporate debt securities</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 22,940</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 8</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt;"> (8)</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 22,940</p></td></tr><tr><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0pt 18pt;">U.S. government securities</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 16,049</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 0</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt;"> (44)</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 16,005</p></td></tr><tr><td style="vertical-align:bottom;width:51.08%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0pt 18pt;">U.S. government agency securities</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 8,088</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> -</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt;"> (10)</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 8,078</p></td></tr><tr><td style="vertical-align:bottom;width:51.08%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">Total</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.63%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.03%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 92,628 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.16%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:9.61%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 23</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.19%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.84%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> (66) </td><td style="vertical-align:bottom;white-space:nowrap;width:1.64%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.03%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $ </td><td style="vertical-align:bottom;white-space:nowrap;width:6.79%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 92,585 </td></tr></table> 8429000 1000 2000 8428000 37116000 19000 37097000 11936000 1000 3000 11934000 9589000 45000 9544000 67070000 2000 69000 67003000 10950000 6000 10956000 34601000 9000 4000 34606000 22940000 8000 8000 22940000 16049000 0 44000 16005000 8088000 10000 8078000 92628000 23000 66000 92585000 <table style="border-collapse:collapse;font-size:16pt;height:max-content;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:bottom;white-space:nowrap;width:43.23%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:4.24%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:4.24%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:19.89%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:4.05%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:3.86%;margin:0pt;padding:0pt;"><div

style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"> | </td><td style="vertical-align:middle;width:20.46%;margin:0pt;padding:0pt;"> | </td></tr><tr><td style="vertical-align:bottom;width:43.23%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> (in thousands) </td><td style="vertical-align:bottom;white-space:nowrap;width:4.24%;margin:0pt;padding:0pt;"> | </td><td colspan="2" style="vertical-align:middle;width:24.13%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Amortized Cost </td><td style="vertical-align:middle;width:4.05%;margin:0pt;padding:0pt;"> | </td><td colspan="2" style="vertical-align:middle;width:24.32%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Fair Value </td></tr><tr><td style="vertical-align:bottom;white-space:nowrap;width:43.23%;background:#cceeff;margin:0pt;padding:0pt;"> Due within one year </td><td style="vertical-align:bottom;white-space:nowrap;width:4.24%;background:#cceeff;margin:0pt;padding:0pt;"> | </td><td style="vertical-align:middle;width:4.24%;background:#cceeff;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:middle;width:19.89%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> 67,070</p></td><td style="vertical-align:middle;width:4.05%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">|</p></td><td style="vertical-align:middle;width:3.86%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:center;margin:0pt 0pt 0.05pt 0pt;">$ </td><td style="vertical-align:middle;width:20.46%;background:#cceeff;margin:0pt;padding:0pt;"> 67,003 </td></tr><tr><td style="vertical-align:bottom;white-space:nowrap;width:43.23%;margin:0pt;padding:0pt;"> Due after one year through five years </td><td style="vertical-align:bottom;white-space:nowrap;width:4.24%;margin:0pt;padding:0pt;"> | </td><td style="vertical-align:middle;width:4.24%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> | </td><td style="vertical-align:middle;width:19.89%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:middle;width:4.05%;margin:0pt;padding:0pt;"> | </td><td style="vertical-align:middle;width:3.86%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> | </td><td style="vertical-align:middle;width:20.46%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;white-space:nowrap;width:43.23%;background:#cceeff;margin:0pt;padding:0pt;"> Total </td><td style="vertical-align:bottom;white-space:nowrap;width:4.24%;background:#cceeff;margin:0pt;padding:0pt;"> | </td><td style="vertical-align:middle;width:4.24%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:19.89%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> 67,070</p></td><td style="vertical-align:bottom;white-space:nowrap;width:4.05%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">|</p></td><td style="vertical-align:middle;width:3.86%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:center;margin:0pt 0pt 0.05pt 0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:20.46%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 67,003 </td></tr></table> | 67070000 67003000 67070000 67003000 | 5. Fair Value of Financial Instruments Fair value is the price that could be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants. Fair value determination in accordance with applicable accounting guidance requires that a number of significant judgments be made. Additionally, fair value is used on a nonrecurring basis to evaluate assets for impairment or as required for disclosure purposes by applicable accounting guidance on disclosures about fair value of financial instruments. Depending on the nature of the assets and liabilities, various valuation techniques and assumptions are used when estimating fair value. The carrying amounts of certain of the Company's financial instruments, including prepaid expense and accounts payable are shown at cost, which approximates fair value due to the short-term nature of these instruments. The Company follows the provisions of ASC Topic 820, Fair Value Measurement, for financial assets and liabilities measured on a recurring basis. The guidance requires fair value measurements be classified and disclosed in one of the following three categories: <table style="border-collapse:collapse;font-family:'Times New Roman','Times',serif;font-size:10pt;margin-bottom:12pt;margin-top:0pt;table-layout:fixed;width:100%;border:0pt;"><tr><td style="width:36pt;"></td><td style="font-family:'Times New Roman','Times',serif;font-size:10pt;vertical-align:text-top;white-space:nowrap;width:18pt;padding:0pt;">●</td><td style="padding:0pt;">Level 1: Unadjusted quoted prices in active markets that are accessible at the measurement date for identical, unrestricted assets or liabilities.</td></tr></table><table style="border-collapse:collapse;font-family:'Times New Roman','Times',serif;font-size:10pt;margin-bottom:12pt;margin-top:0pt;table-layout:fixed;width:100%;border:0pt;"><tr><td style="width:36pt;"></td><td style="font-family:'Times New Roman','Times',serif;font-size:10pt;vertical-align:text-top;white-space:nowrap;width:18pt;padding:0pt;">●</td><td style="padding:0pt;">Level 2: Quoted prices in markets that are not active, or inputs which are observable, either directly or indirectly, for substantially the full term of the asset or liabilities.</td></tr></table><table style="border-collapse:collapse;font-family:'Times New Roman','Times',serif;font-size:10pt;margin-bottom:0pt;margin-top:0pt;table-layout:fixed;width:100%;border:0pt;"><tr><td style="width:36pt;"></td><td style="font-family:'Times New Roman','Times',serif;font-size:10pt;vertical-align:text-top;white-space:nowrap;width:18pt;padding:0pt;">●</td><td style="padding:0pt;">Level 3: Prices or valuation techniques that require inputs that are both significant to the fair value measurement and unobservable (i.e., supported by little or no market activity).</td></tr></table> The following fair value hierarchy table presents information about the Company's assets measured at fair value on a recurring basis. Included within cash and cash equivalents on the balance sheet, but excluded from the fair value hierarchy table, are cash deposits held at financial institutions: | <table style="border-collapse:collapse;font-size:16pt;height:max-content;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> | </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> | </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;margin:0pt;padding:0pt;"> | </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;margin:0pt;padding:0pt;"> | </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> | </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> | </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;margin:0pt;padding:0pt;"> | </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> | </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;margin:0pt;padding:0pt;"> | </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;margin:0pt;padding:0pt;"> | </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> | </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> | </td><td colspan="8" style="vertical-align:bottom;white-space:nowrap;width:35.89%;margin:0pt;padding:0pt;"> Fair value measurement at </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> | </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> | </td><td colspan="8" style="vertical-align:bottom;white-space:nowrap;width:35.89%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> reporting date using </td></tr><tr><td style="vertical-align:bottom;white-space:nowrap;width:62.31%;margin:0pt;padding:0pt;"> | </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> | </td><td colspan="2" style="vertical-

align:bottom;white-space:nowrap;width:9.95%;margin:0pt;padding:0pt;"> Quoted prices </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;margin:0pt;padding:0pt;"> markets for </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:10.9%;margin:0pt;padding:0pt;"> other </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:11.44%;margin:0pt;padding:0pt;"> Significant </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:9.95%;margin:0pt;padding:0pt;"> identical </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:10.9%;margin:0pt;padding:0pt;"> observable </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;margin:0pt;padding:0pt;"> unobservable </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:9.95%;margin:0pt;padding:0pt;"> assets </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:10.9%;margin:0pt;padding:0pt;"> inputs </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:11.44%;margin:0pt;padding:0pt;"> inputs </td></tr><tr><td style="vertical-align:bottom;width:62.31%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> (in thousands) </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:9.95%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> (Level 1) </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:10.9%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> (Level 2) </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:11.44%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> (Level 3) </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> June 30, 2024: </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> Assets </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> Cash equivalents: </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-

align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> Money market funds </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> 12,004</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;margin:0pt;padding:0pt;"> $ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> Commercial paper </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;margin:0pt;padding:0pt;"> 7,255 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> Corporate debt securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 1,275 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> Total cash equivalents </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 12,004 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 8,530 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> Marketable securities. </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;margin:0pt;padding:0pt;"> 8,428 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> Commercial paper </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-

size:10pt;margin:0pt 0pt 0.05pt 0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;margin:0pt;padding:0pt;"> 37,097 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> Corporate debt securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;margin:0pt;padding:0pt;"> 11,934 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> U.S. government securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 9,544 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> Total marketable securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 67,003 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> Total financial assets </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> 12,004</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 75,533 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> December 31, 2023: </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> Assets </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"><p

style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> Cash equivalents: </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> Money market funds </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> 13,763</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;margin:0pt;padding:0pt;"> $ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> Commercial paper </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;margin:0pt;padding:0pt;"> 2,670 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> Corporate debt securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 1,680 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> Total cash equivalents </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 13,763 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 4,350 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> Marketable securities: </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-

align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> Certificates of deposit </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;margin:0pt;padding:0pt;"> 10,956 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> Commercial paper </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;margin:0pt;padding:0pt;"> 34,606 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> Corporate debt securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;margin:0pt;padding:0pt;"> 22,940 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> U.S. government securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;margin:0pt;padding:0pt;"> 16,005 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> U.S. government agency securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 8,078 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> Total marketable securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 92,585 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> Total financial assets </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;">13,763</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 96,935 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> - </td></tr></table> <table style="border-

collapse:collapse;font-size:16pt;height:max-content;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td colspan="6" style="vertical-align:bottom;white-space:nowrap;width:35.89%;margin:0pt;padding:0pt;"> Fair value measurement at </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td colspan="6" style="vertical-align:bottom;white-space:nowrap;width:35.89%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> reporting date using </td></tr><tr><td style="vertical-align:bottom;white-space:nowrap;width:62.31%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:9.95%;margin:0pt;padding:0pt;"> Quoted prices </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:9.95%;margin:0pt;padding:0pt;"> in active </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:10.9%;margin:0pt;padding:0pt;"> Significant </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:8.36%;margin:0pt;padding:0pt;"> markets for </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:10.9%;margin:0pt;padding:0pt;"> other </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:11.44%;margin:0pt;padding:0pt;"> Significant </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:9.95%;margin:0pt;padding:0pt;"> identical </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:10.9%;margin:0pt;padding:0pt;"> observable </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;margin:0pt;padding:0pt;"> unobservable </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:9.95%;margin:0pt;padding:0pt;"> assets </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:10.9%;margin:0pt;padding:0pt;"> inputs </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:11.44%;margin:0pt;padding:0pt;"> inputs </td></tr><tr><td style="vertical-align:bottom;width:62.31%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> (in thousands) </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:9.95%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> (Level 1) </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:10.9%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> (Level 2) </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:11.44%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> (Level 3) </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> June 30, 2024: </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New

Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> Assets </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> Cash equivalents: </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> Money market funds </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> 12,004</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;margin:0pt;padding:0pt;"> $ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> Commercial paper </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;margin:0pt;padding:0pt;"> 7,255 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> Corporate debt securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 1,275 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> Total cash equivalents </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 12,004 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 8,530 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"><p style="font-family:'Times New

Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> Marketable securities: </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> Certificates of deposit </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;margin:0pt;padding:0pt;"> 8,428 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> Commercial paper </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;margin:0pt;padding:0pt;"> 37,097 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> Corporate debt securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;margin:0pt;padding:0pt;"> 11,934 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> U.S. government securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 9,544 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> Total marketable securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 67,003 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> Total financial assets </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;">12,004</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 75,533 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New

Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> December 31, 2023: </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td 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style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> Money market funds </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> 13,763</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;margin:0pt;padding:0pt;"> $ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> Commercial paper </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;margin:0pt;padding:0pt;"> 2,670 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> Corporate debt securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 1,680 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> Total cash equivalents </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 13,763 </td><td style="vertical-align:bottom;white-

space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 4,350 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> Marketable securities: </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> Certificates of deposit </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;margin:0pt;padding:0pt;"> 34,606 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> Corporate debt securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;margin:0pt;padding:0pt;"> 22,940 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> U.S. government securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;margin:0pt;padding:0pt;"> 16,005 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> U.S. government agency securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 8,078 </td><td style="vertical-align:bottom;white-

space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;background:#cceeff;margin:0pt;padding:0pt;"> Total marketable securities </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 92,585 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;background:#cceeff;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td></tr><tr><td style="vertical-align:bottom;width:62.31%;margin:0pt;padding:0pt;"> Total financial assets </td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:bottom;white-space:nowrap;width:1.58%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:8.36%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0.05pt 0pt;"> 13,763</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.79%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0.05pt 0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:9.1%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 96,935 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.8%;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:bottom;white-space:nowrap;width:2%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:bottom;white-space:nowrap;width:9.43%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> - </td></tr></table> 12004000 7255000 1275000 12004000 8530000 8428000 37097000 11934000 9544000 67003000 12004000 75533000 13763000 2670000 1680000 13763000 4350000 10956000 34606000 22940000 16005000 8078000 92585000 13763000 96935000 > > 6. Property and Equipment, Net > Property and equipment, net, consists of the following: > <table style="border-collapse:collapse;font-size:16pt;height:max-content;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:middle;width:55.8%;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:middle;width:3.18%;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:middle;width:18.35%;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:middle;width:3.73%;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:middle;width:4.12%;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:middle;width:14.79%;margin:0pt;padding:0pt;"> > </td></tr><tr><td style="vertical-align:bottom;width:55.8%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> (in thousands) </td><td style="vertical-align:middle;width:3.18%;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:bottom;white-space:nowrap;width:18.35%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> June 30, 2024 </td><td style="vertical-align:bottom;white-space:nowrap;width:3.73%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> > </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:18.91%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> December 31, 2023 </td></tr><tr><td style="vertical-align:middle;width:55.8%;background:#cceeff;margin:0pt;padding:0pt;"> Laboratory equipment </td><td style="vertical-align:middle;width:3.18%;background:#cceeff;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:middle;width:18.35%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 10,065</p></td><td style="vertical-align:middle;width:3.73%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">></p></td><td style="vertical-align:middle;width:4.12%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:middle;width:14.79%;background:#cceeff;margin:0pt;padding:0pt;"> 10,065 </td></tr><tr><td style="vertical-align:middle;width:55.8%;margin:0pt;padding:0pt;"> Office equipment </td><td style="vertical-align:middle;width:3.18%;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:middle;width:18.35%;margin:0pt;padding:0pt;"> 119 </td><td style="vertical-align:middle;width:3.73%;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:middle;width:4.12%;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:middle;width:14.79%;margin:0pt;padding:0pt;"> 119 </td></tr><tr><td style="vertical-align:middle;width:55.8%;background:#cceeff;margin:0pt;padding:0pt;"> Computer hardware and software </td><td style="vertical-align:middle;width:3.18%;background:#cceeff;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:middle;width:18.35%;background:#cceeff;margin:0pt;padding:0pt;"> 1,077 </td><td style="vertical-align:middle;width:3.73%;background:#cceeff;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:middle;width:4.12%;background:#cceeff;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:middle;width:14.79%;background:#cceeff;margin:0pt;padding:0pt;"> 1,077 </td></tr><tr><td style="vertical-align:middle;width:55.8%;margin:0pt;padding:0pt;"> Furniture and fixtures </td><td style="vertical-align:middle;width:3.18%;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:bottom;white-space:nowrap;width:18.35%;margin:0pt;padding:0pt;"> 419 </td><td style="vertical-align:middle;width:3.73%;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:middle;width:4.12%;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:middle;width:14.79%;margin:0pt;padding:0pt;"> 419 </td></tr><tr><td style="vertical-align:middle;width:55.8%;background:#cceeff;margin:0pt;padding:0pt;"> Leasehold improvements </td><td style="vertical-align:middle;width:3.18%;background:#cceeff;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:middle;width:18.35%;background:#cceeff;margin:0pt;padding:0pt;"> 10,212 </td><td style="vertical-align:middle;width:3.73%;background:#cceeff;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:middle;width:4.12%;background:#cceeff;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:middle;width:14.79%;background:#cceeff;margin:0pt;padding:0pt;"> 10,213 </td></tr><tr><td style="vertical-align:middle;width:55.8%;margin:0pt;padding:0pt;"> Construction in progress </td><td style="vertical-align:middle;width:3.18%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> > </td><td style="vertical-align:middle;width:18.35%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:middle;width:3.73%;margin:0pt;padding:0pt;"><p style="font-family:'Times New

Roman','Times','serif';font-size:10pt;margin:0pt;"> </td><td style="vertical-align:middle;width:4.12%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:14.79%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - 638 </td></tr><tr><td style="vertical-align:middle;width:55.8%;background:#cceeff;margin:0pt;padding:0pt;"> Total property and equipment </td><td style="vertical-align:middle;width:3.18%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:18.35%;background:#cceeff;margin:0pt;padding:0pt;"> 21,892 </td><td style="vertical-align:middle;width:3.73%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:4.12%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:14.79%;background:#cceeff;margin:0pt;padding:0pt;"> 22,531 </td></tr><tr><td style="vertical-align:middle;width:55.8%;margin:0pt;padding:0pt;"> Accumulated depreciation and amortization </td><td style="vertical-align:bottom;white-space:nowrap;width:3.18%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:18.35%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> (8,838) </td><td style="vertical-align:middle;width:3.73%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:4.12%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:14.79%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> (7,236) </td></tr><tr><td style="vertical-align:middle;width:55.8%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:3.18%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:middle;width:18.35%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;">13,054</p></td><td style="vertical-align:middle;width:3.73%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:middle;width:4.12%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:middle;width:14.79%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 15,295 </td></tr></table> Depreciation expense was $0.8 million and $1.0 million for the three months ended June 30, 2024 and 2023, respectively. Depreciation expense was $1.6 million and $2.0 million for the six months ended June 30, 2024 and 2023, respectively.</p><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p><table style="border-collapse:collapse;font-size:16pt;height:max-content;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:middle;width:55.8%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="position:absolute;top:50%;transform:translate(0,-50%);width:100%;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:middle;width:3.18%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="position:absolute;top:50%;transform:translate(0,-50%);width:100%;"><p style="font-family:'Times New 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New Roman','Times','serif';font-size:8pt;text-align:center;margin:0pt;"><b style="font-weight:bold;">June 30, 2024</p></td><td style="vertical-align:bottom;white-space:nowrap;width:3.73%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:18.91%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:8pt;text-align:center;margin:0pt;"><b style="font-weight:bold;">December 31, 2023</p></td></tr><tr><td style="vertical-align:middle;width:55.8%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">Laboratory equipment</p></td><td style="vertical-align:middle;width:3.18%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:middle;width:18.35%;background:#cceeff;margin:0pt;padding:0pt;"> 10,065 </td><td style="vertical-align:middle;width:3.73%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:4.12%;background:#cceeff;margin:0pt;padding:0pt;"> $ </td><td style="vertical-align:middle;width:14.79%;background:#cceeff;margin:0pt;padding:0pt;"> 10,065 </td></tr><tr><td style="vertical-align:middle;width:55.8%;margin:0pt;padding:0pt;"> Office equipment </td><td style="vertical-align:middle;width:3.18%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:18.35%;margin:0pt;padding:0pt;"> 119 </td><td style="vertical-align:middle;width:3.73%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:4.12%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:14.79%;margin:0pt;padding:0pt;"> 119 </td></tr><tr><td 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style="vertical-align:middle;width:4.12%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:14.79%;margin:0pt;padding:0pt;"> 419 </td></tr><tr><td style="vertical-align:middle;width:55.8%;background:#cceeff;margin:0pt;padding:0pt;"> Leasehold improvements </td><td style="vertical-align:middle;width:3.18%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:18.35%;background:#cceeff;margin:0pt;padding:0pt;"> 10,212 </td><td style="vertical-align:middle;width:3.73%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:4.12%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:14.79%;background:#cceeff;margin:0pt;padding:0pt;"> 10,213 </td></tr><tr><td style="vertical-align:middle;width:55.8%;margin:0pt;padding:0pt;"> Construction in progress </td><td style="vertical-align:middle;width:3.18%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:18.35%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> - </td><td style="vertical-align:middle;width:3.73%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:4.12%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:14.79%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> -638 </td></tr><tr><td style="vertical-align:middle;width:55.8%;background:#cceeff;margin:0pt;padding:0pt;"> Total property and equipment </td><td style="vertical-

align:middle;width:3.18%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:18.35%;background:#cceeff;margin:0pt;padding:0pt;"> 21,892 </td><td style="vertical-align:middle;width:3.73%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:4.12%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:14.79%;background:#cceeff;margin:0pt;padding:0pt;"> 22,531 </td></tr><tr><td style="vertical-align:middle;width:55.8%;background:#cceeff;margin:0pt;padding:0pt;"> Accumulated depreciation and amortization </td><td style="vertical-align:bottom;white-space:nowrap;width:3.18%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:18.35%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> (8,838) </td><td style="vertical-align:middle;width:3.73%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:4.12%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:14.79%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> (7,236) </td></tr><tr><td style="vertical-align:middle;width:55.8%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:3.18%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:middle;width:18.35%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 13,054</p></td><td style="vertical-align:middle;width:3.73%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:middle;width:4.12%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:middle;width:14.79%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 15,295 </td></tr></table> 10065000 10065000 119000 119000 1077000 1077000 419000 419000 10212000 10213000 638000 21892000 22531000 8838000 7236000 13054000 15295000 800000 1000000.0 1600000 2000000.0 7. Accrued Expenses and Other Current Liabilities Accrued expenses and other current liabilities consisted of the following: <table style="border-collapse:collapse;font-size:16pt;height:max-content;margin-left:auto;margin-right:auto;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:bottom;width:53.62%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:19.71%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:4.95%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:15.59%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:53.62%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> (in thousands) </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:21.41%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> June 30, 2024 </td><td style="vertical-align:bottom;white-space:nowrap;width:4.95%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:17.29%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> December 31, 2023 </td></tr><tr><td style="vertical-align:bottom;width:53.62%;background:#cceeff;margin:0pt;padding:0pt;"> Professional fees </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;background:#cceeff;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:19.71%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 595</p></td><td style="vertical-align:bottom;white-space:nowrap;width:4.95%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:15.59%;background:#cceeff;margin:0pt;padding:0pt;"> 1,176 </td></tr><tr><td style="vertical-align:bottom;width:53.62%;margin:0pt;padding:0pt;"> Compensation and related benefits </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:19.71%;margin:0pt;padding:0pt;"> 3,608 </td><td style="vertical-align:bottom;white-space:nowrap;width:4.95%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:15.59%;margin:0pt;padding:0pt;"> 6,636 </td></tr><tr><td style="vertical-align:bottom;width:53.62%;background:#cceeff;margin:0pt;padding:0pt;"> Research and development </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:19.71%;background:#cceeff;margin:0pt;padding:0pt;"> 1,360 </td><td style="vertical-align:bottom;white-space:nowrap;width:4.95%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:15.59%;background:#cceeff;margin:0pt;padding:0pt;"> 1,858 </td></tr><tr><td style="vertical-align:bottom;width:53.62%;margin:0pt;padding:0pt;"> Amount due to Penn for discovery research </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:19.71%;margin:0pt;padding:0pt;"> 2,500 </td><td style="vertical-align:bottom;white-space:nowrap;width:4.95%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;white-space:nowrap;width:15.59%;margin:0pt;padding:0pt;"> — </td></tr><tr><td style="vertical-align:bottom;width:53.62%;background:#cceeff;margin:0pt;padding:0pt;"> Amount due to Catalent in connection with Amended Catalent Agreements </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;white-space:nowrap;width:19.71%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:middle;white-space:nowrap;width:4.95%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;white-space:nowrap;width:1.69%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;white-space:nowrap;width:15.59%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 2,000 </td></tr><tr><td style="vertical-align:bottom;width:53.62%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $ </td><td style="vertical-align:bottom;white-space:nowrap;width:19.71%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 8,063 </td><td style="vertical-align:bottom;white-space:nowrap;width:4.95%;margin:0pt;padding:0pt;">

</td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:15.59%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 11,670</p></td></tr></table><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p> <p style="font-family:'Times New Roman','Times','serif';font-size:10pt;min-height:0.0pt;margin:0pt;"></p><table style="border-collapse:collapse;font-size:16pt;height:max-content;margin-left:auto;margin-right:auto;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:bottom;width:53.62%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="bottom:0pt;position:absolute;width:100%;"><p 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Roman','Times','serif';font-size:8pt;margin:0pt;"><b style="font-weight:bold;"> </p></td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:17.29%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:8pt;text-align:center;margin:0pt;"><b style="font-weight:bold;">December 31, 2023</p></td></tr><tr><td style="vertical-align:bottom;width:53.62%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;">Professional fees</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:19.71%;background:#cceeff;margin:0pt;padding:0pt;"> 595 </td><td style="vertical-align:bottom;white-space:nowrap;width:4.95%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;background:#cceeff;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:15.59%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 1,176</p></td></tr><tr><td style="vertical-align:bottom;width:53.62%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;">Compensation and related benefits</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;"></p></td><td 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Leases 2005 Market Street Lease Agreement The Company is party to a lease agreement for office space, or the 2005 Market Street Lease Agreement, in Philadelphia, Pennsylvania. Under the 2005 Market Street Lease Agreement, the Company leased approximately 37,000 square feet. The 2005 Market Street Lease Agreement commenced in February 2021 and is expected to expire in December 2031. The Company has an option to extend the term of the 2005 Market Street Lease Agreement by two additional terms of five years each. The Company has an option to early terminate the 2005 Market Street Lease Agreement as of April 2029, given notice is provided to the landlord no less than fifteen months prior to April 2029. The optional extension and termination terms were not recognized as part of the Company's measurement of the ROU asset and operating lease liability as of June 30, 2024. During 2023 the Company subleased all of the space at 2005 Market Street as further described in Sublease Agreement A and Sublease Agreement B below. Sublease Agreement A On August 7, 2023, the Company entered into a sublease agreement with a counterparty, or Sublessee A, to sublease approximately 8,000 square feet of the 2005 Market Street Lease Agreement, or Sublease Agreement A. This sublease term began on November 1, 2023, and continues through March 31, 2029. In the event the Company does not elect its early termination option under the 2005 Market Street Lease Agreement, Sublessee A has an option to extend the sublease agreement through November 30, 2031. The base sublease rent is $0.1 million per year and increases by 2.75% annually through the expiration of the agreement. Additionally, Sublessee A is required to pay the portion of the common area maintenance expenses, operating expenses and use and occupancy taxes which the Company is required to pay under the 2005 Market Street Lease

Agreement. Pursuant to ASC Topic 842, Leases, or ASC 842, the Company concluded the sublease is a separate lease, as the Company was not relieved of the primary obligation under the 2005 Market Street Lease Agreement. The Company continues to account for the 2005 Market Street Lease Agreement as a lessee and in the same manner as prior to the execution of Sublease Agreement A. The Company accounted for Sublease Agreement A as the lessor, and concluded the lease qualified as an operating lease, as it did not meet the criteria of a sales-type or direct financing lease. As a result of Sublease Agreement A, in 2023 the Company determined an impairment indicator was present. The Company compared the estimated undiscounted cash flows to the carrying value of the asset group, which includes ROU assets, leasehold improvements, and other property and equipment allocable to Sublease Agreement A. The Company concluded the carrying value of the asset group was not recoverable as it exceeded the estimated undiscounted cash flows. The Company calculated the amount of impairment using a discounted cash flow model to calculate the fair value of the asset group which incorporated the net identifiable cash flows for the term of Sublease Agreement A, including an estimate for cash flows in the residual period, and an estimated borrowing rate of a market participant subtenant. The impairment charge was recorded as of the lease execution date. Sublease Agreement B On September 29, 2023, the Company entered into a sublease agreement with a counterparty, or Sublessee B, to sublease approximately 29,000 square feet of the 2005 Market Street Lease Agreement, or Sublease Agreement B. This sublease term began on March 1, 2024, and continues through August 2026. Sublessee B has an option to extend the term of the sublease agreement through March 31, 2029. The base sublease rent is $0.9 million per year for the entire term of the sublease. Additionally, Sublessee B is required to pay applicable use and occupancy taxes but is not obligated to make payments for operating expenses and common area maintenance expenses which the Company is required to pay under the 2005 Market Street Lease Agreement. Pursuant to ASC 842, the Company concluded the sublease is a separate lease, as the Company was not relieved of the primary obligation under the 2005 Market Street Lease Agreement. The Company continues to account for the 2005 Market Street Lease Agreement as a lessee and in the same manner as prior to the execution of the Sublease Agreement B. The Company accounted for Sublease Agreement B as the lessor, and concluded the lease qualified as an operating lease, as it did not meet the criteria of a sales-type or direct financing lease. As a result of Sublease Agreement B, in 2023 the Company determined an impairment indicator was present. The Company compared the estimated undiscounted cash flows to the carrying value of the asset group, which includes ROU assets, leasehold improvements, and other property and equipment allocable to Sublease Agreement B. The Company concluded the carrying value of the asset group was not recoverable as it exceeded the estimated undiscounted cash flows. The Company calculated the amount of impairment using a discounted cash flow model to calculate the fair value of the asset group which incorporated the net identifiable cash flows for the term of Sublease Agreement B, including an estimate for cash flows in the residual period, and an estimated borrowing rate of a market participant subtenant. The impairment charge was recorded as of the lease execution date. 1835 Market Street Sublease Agreement On February 20, 2024, the Company entered into a sublease agreement with a counterparty, or the 1835 Market Street Sublease Agreement. Under the 1835 Market Street Sublease Agreement, the Company subleased approximately 16,000 square feet of office space in Philadelphia, Pennsylvania. The sublease term began on March 26, 2024 and expires on September 30, 2025. The Company has the option to extend the term of the sublease agreement through February 28, 2029. The base sublease rent is $0.3 million per year for the original 18-month term of the sublease. Additionally, the Company is required to pay utility costs associated with the subleased premises. The optional extension was not recognized as part of the Company's measurement of the ROU asset and operating lease liability as of June 30, 2024.</p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">Laboratory Lease Agreement</p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">The Company is also party to a lease agreement for laboratory space, or the Laboratory Lease Agreement, in Hopewell, New Jersey. The laboratory is focused on state-of-the-art analytical capabilities, assay development and validation, and clinical product testing to support both viral vector manufacturing and clinical development. The Laboratory Lease Agreement commenced in March 2021 and is expected to expire in March 2036. The Company has an option to extend the term of the Laboratory Lease Agreement by up to two five-year terms. This option to extend was not recognized as part of the Company's measurement of the ROU asset and operating lease liability as of June 30, 2024. </p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt 0pt 12pt 0pt;">The following table summarizes future minimum lease payments for the Company's lessee operating leases, which comprises the 2005 Market Street Lease Agreement, 1835 Market Street Sublease Agreement, and the Laboratory Lease Agreement. The below table does not include expected cash inflows related to Sublease Agreement A and Sublease Agreement B, as the Company was not relieved of its primarily obligation under the 2005 Market Street Lease Agreement:</p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;min-height:0.0pt;margin:0pt;"></p><table style="border-collapse:collapse;font-size:16pt;height:max-content;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:bottom;width:69.92%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="bottom:0pt;position:absolute;width:100%;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:bottom;width:4.67%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="bottom:0pt;position:absolute;width:100%;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:bottom;white-space:nowrap;width:5.07%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="bottom:0pt;position:absolute;width:100%;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:bottom;white-space:nowrap;width:20.31%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="bottom:0pt;position:absolute;width:100%;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></div></div></td></tr><tr><td style="vertical-align:bottom;width:69.92%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:8pt;margin:0pt;"><b style="font-weight:bold;">(in thousands)</p></td><td style="vertical-align:bottom;width:4.67%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:5.07%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:8pt;margin:0pt;"><b style="font-weight:bold;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:20.31%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:8pt;margin:0pt;"><b style="font-weight:bold;"> </p></td></tr><tr><td style="vertical-align:bottom;width:69.92%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">2024</p></td><td style="vertical-align:bottom;width:4.67%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:5.07%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:20.31%;background:#cceeff;margin:0pt;padding:0pt;"> 1,937 </td></tr><tr><td style="vertical-align:bottom;width:69.92%;margin:0pt;padding:0pt;"> 2025 </td><td style="vertical-align:bottom;width:4.67%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:5.07%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:20.31%;margin:0pt;padding:0pt;"> 3,883 </td></tr><tr><td style="vertical-align:bottom;width:69.92%;background:#cceeff;margin:0pt;padding:0pt;"> 2026 </td><td style="vertical-align:bottom;width:4.67%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:5.07%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:20.31%;background:#cceeff;margin:0pt;padding:0pt;"> 3,757 </td></tr><tr><td style="vertical-align:bottom;width:69.92%;margin:0pt;padding:0pt;"> 2027 </td><td style="vertical-align:bottom;width:4.67%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:5.07%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:20.31%;margin:0pt;padding:0pt;"> 3,863 </td></tr><tr><td style="vertical-align:bottom;width:69.92%;background:#cceeff;margin:0pt;padding:0pt;"> 2028 </td><td style="vertical-align:bottom;width:4.67%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:5.07%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:20.31%;background:#cceeff;margin:0pt;padding:0pt;"> 3,973 </td></tr><tr><td style="vertical-align:bottom;width:69.92%;margin:0pt;padding:0pt;"> Thereafter </td><td style="vertical-align:bottom;width:4.67%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:5.07%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:20.31%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 25,706 </td></tr><tr><td style="vertical-align:middle;width:69.92%;background:#cceeff;margin:0pt;padding:0pt;"> Total undiscounted lease payments </td><td style="vertical-align:middle;width:4.67%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:5.07%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:20.31%;background:#cceeff;margin:0pt;padding:0pt;"> 43,119 </td></tr><tr><td style="vertical-align:bottom;width:69.92%;margin:0pt;padding:0pt;"> Less: imputed interest </td><td style="vertical-align:bottom;width:4.67%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:5.07%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:20.31%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> (16,968) </td></tr><tr><td style="vertical-align:middle;width:69.92%;background:#cceeff;margin:0pt;padding:0pt;"> Total lease

liabilities </td><td style="vertical-align:middle;width:4.67%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:5.07%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:20.31%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 26,151</p></td></tr></table><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">The following table summarizes lease expense by lease type that was recognized during the three and six months ended June 30, 2024 and 2023.</p><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p><table style="border-collapse:collapse;font-size:16pt;height:max-content;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:middle;width:38.74%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="position:absolute;top:50%;transform:translate(0,-50%);width:100%;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:middle;width:2.59%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="position:absolute;top:50%;transform:translate(0,-50%);width:100%;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:middle;width:2.82%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="position:absolute;top:50%;transform:translate(0,-50%);width:100%;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:middle;width:11.26%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="position:absolute;top:50%;transform:translate(0,-50%);width:100%;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:middle;width:0.89%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="position:absolute;top:50%;transform:translate(0,-50%);width:100%;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:middle;width:2.91%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="position:absolute;top:50%;transform:translate(0,-50%);width:100%;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:middle;width:11.26%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="position:absolute;top:50%;transform:translate(0,-50%);width:100%;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:middle;width:1.01%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="position:absolute;top:50%;transform:translate(0,-50%);width:100%;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:middle;width:2.35%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="position:absolute;top:50%;transform:translate(0,-50%);width:100%;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:middle;width:11.26%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="position:absolute;top:50%;transform:translate(0,-50%);width:100%;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:middle;width:1.01%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="position:absolute;top:50%;transform:translate(0,-50%);width:100%;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:middle;width:2.59%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="position:absolute;top:50%;transform:translate(0,-50%);width:100%;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:middle;width:11.24%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="position:absolute;top:50%;transform:translate(0,-50%);width:100%;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></div></div></td></tr><tr><td style="vertical-align:bottom;white-space:nowrap;width:38.74%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.59%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></td><td colspan="5" style="vertical-align:bottom;white-space:nowrap;width:29.15%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:8pt;text-align:center;margin:0pt;"><b style="font-weight:bold;">Three Months Ended </p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.01%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></td><td colspan="5" style="vertical-align:bottom;white-space:nowrap;width:28.47%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:8pt;text-align:center;margin:0pt;"><b style="font-weight:bold;">Six Months Ended </p></td></tr><tr><td style="vertical-align:bottom;width:38.74%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:8pt;margin:0pt;"><b style="font-weight:bold;">($ in thousands) </td><td style="vertical-align:bottom;width:2.59%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:14.08%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> June 30, 2024 </td><td style="vertical-align:bottom;white-space:nowrap;width:0.89%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:14.17%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> June 30, 2023 </td><td style="vertical-align:bottom;width:1.01%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:13.62%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> June 30, 2024 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.01%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:13.83%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> June 30, 2023 </td></tr><tr><td style="vertical-align:middle;width:38.74%;background:#cceeff;margin:0pt;padding:0pt;"> Operating lease cost </td><td style="vertical-align:middle;width:2.59%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:2.82%;background:#cceeff;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:middle;width:11.26%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 909</p></td><td style="vertical-align:middle;width:0.89%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:middle;width:2.91%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:center;margin:0pt;">$ </td><td style="vertical-align:middle;width:11.26%;background:#cceeff;margin:0pt;padding:0pt;"> 830 </td><td style="vertical-align:middle;width:1.01%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:2.35%;background:#cceeff;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:middle;width:11.26%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 1,740</p></td><td style="vertical-align:middle;width:1.01%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:middle;width:2.59%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:center;margin:0pt;">$ </td><td style="vertical-align:middle;width:11.24%;background:#cceeff;margin:0pt;padding:0pt;"> 1,661 </td></tr><tr><td style="vertical-align:middle;width:38.74%;margin:0pt;padding:0pt;"> Variable lease cost </td><td style="vertical-align:bottom;white-space:nowrap;width:2.59%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.82%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:11.26%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 394 </td><td style="vertical-align:bottom;white-space:nowrap;width:0.89%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.91%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:11.26%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 448 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.01%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.35%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:11.26%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 1,114 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.01%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.59%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:11.24%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 926 </td></tr><tr><td style="vertical-align:bottom;white-space:nowrap;width:38.74%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.59%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:2.82%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:11.26%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 1,303</p></td><td style="vertical-align:bottom;white-space:nowrap;width:0.89%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:middle;width:2.91%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:center;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:11.26%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-

size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 1,278 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.01%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:2.35%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:11.26%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 2,854</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.01%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:middle;width:2.59%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:center;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:11.24%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 2,587 </td></tr></table> . . The following table shows the weighted average discount rate and weighted average remaining lease term of the operating leases: . <table style="border-collapse:collapse;font-size:16pt;height:max-content;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:middle;width:54.96%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:3.67%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:3.99%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:15.97%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:1.27%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:4.16%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:15.93%;margin:0pt;padding:0pt;"> . </td></tr><tr><td style="vertical-align:bottom;white-space:nowrap;width:54.96%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:3.67%;margin:0pt;padding:0pt;"> . </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:19.97%;margin:0pt;padding:0pt;"> Six Months Ended </td><td style="vertical-align:bottom;white-space:nowrap;width:1.27%;margin:0pt;padding:0pt;"> . </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:20.1%;margin:0pt;padding:0pt;"> Six Months Ended </td></tr><tr><td style="vertical-align:bottom;width:54.96%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> ($ in thousands) </td><td style="vertical-align:bottom;width:3.67%;margin:0pt;padding:0pt;"> . </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:19.97%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> June 30, 2024 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.27%;margin:0pt;padding:0pt;"> . </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:20.1%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> June 30, 2023 </td></tr><tr><td style="vertical-align:middle;width:54.96%;background:#cceeff;margin:0pt;padding:0pt;"> Weighted-average discount rate </td><td style="vertical-align:middle;width:3.67%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:3.99%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:15.97%;background:#cceeff;margin:0pt;padding:0pt;"> 9.7% </td><td style="vertical-align:middle;width:1.27%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:4.16%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:15.93%;background:#cceeff;margin:0pt;padding:0pt;"> 9.7% </td></tr><tr><td style="vertical-align:middle;width:54.96%;margin:0pt;padding:0pt;"> Weighted-average remaining lease term (years) </td><td style="vertical-align:middle;width:3.67%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:3.99%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:15.97%;margin:0pt;padding:0pt;"> 10.7 </td><td style="vertical-align:middle;width:1.27%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:4.16%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:15.93%;margin:0pt;padding:0pt;"> 11.7 </td></tr></table> . The cash paid for amounts included in the measurement of our operating lease liabilities for the six months ended June 30, 2024 and 2023 were $1.8 million and $1.7 million, respectively, recorded in operating cash flows. . The following table summarizes sublease income that was recognized in other income (expense), net during the three and six months ended June 30, 2024 and 2023: . <table style="border-collapse:collapse;font-size:16pt;height:max-content;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:middle;width:38.74%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:2.59%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:2.82%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:11.26%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:0.89%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:2.91%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;white-space:nowrap;width:11.26%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:1.01%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:2.35%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:11.26%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:1.01%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;width:2.59%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:middle;white-space:nowrap;width:11.24%;margin:0pt;padding:0pt;"> . </td></tr><tr><td style="vertical-align:bottom;white-space:nowrap;width:38.74%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.59%;margin:0pt;padding:0pt;"> . </td><td colspan="5" style="vertical-align:bottom;white-space:nowrap;width:29.15%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Three Months Ended </td><td style="vertical-align:bottom;white-space:nowrap;width:1.01%;margin:0pt;padding:0pt;"> <span style="font-

size:8pt;visibility:hidden;"> </td><td colspan="5" style="vertical-align:bottom;white-space:nowrap;width:28.47%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Six Months Ended </td></tr><tr><td style="vertical-align:bottom;width:38.74%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> ($ in thousands) </td><td style="vertical-align:bottom;width:2.59%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:14.08%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> June 30, 2024 </td><td style="vertical-align:bottom;white-space:nowrap;width:0.89%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:14.17%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> June 30, 2023 </td><td style="vertical-align:bottom;width:1.01%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:13.62%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> June 30, 2024 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.01%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:13.83%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> June 30, 2023 </td></tr><tr><td style="vertical-align:middle;width:38.74%;background:#cceeff;margin:0pt;padding:0pt;"> Sublease rental income </td><td style="vertical-align:middle;width:2.59%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:2.82%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:middle;width:11.26%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 243</p></td><td style="vertical-align:middle;width:0.89%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:middle;width:2.91%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:center;margin:0pt;">$ </td><td style="vertical-align:middle;white-space:nowrap;width:11.26%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:middle;width:1.01%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:2.35%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:middle;width:11.26%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 300</p></td><td style="vertical-align:middle;width:1.01%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:middle;width:2.59%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:center;margin:0pt;">$ </td><td style="vertical-align:middle;white-space:nowrap;width:11.24%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> — </td></tr><tr><td style="vertical-align:bottom;white-space:nowrap;width:38.74%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.59%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:2.82%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:11.26%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 243</p></td><td style="vertical-align:bottom;white-space:nowrap;width:0.89%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:middle;width:2.91%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:center;margin:0pt;">$ </td><td style="vertical-align:middle;white-space:nowrap;width:11.26%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:1.01%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:2.35%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:11.26%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 300</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.01%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:middle;width:2.59%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:center;margin:0pt;">$ </td><td style="vertical-align:middle;white-space:nowrap;width:11.24%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> — </td></tr></table> 37000 true 2 P5Y true P15M 8000 true 100000 0.0275 29000 true 900000 16000 true 300000 2 P5Y <table style="border-collapse:collapse;font-size:16pt;height:max-content;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:bottom;width:69.92%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;width:4.67%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:5.07%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:20.31%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:69.92%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> (in thousands) </td><td style="vertical-align:bottom;width:4.67%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:5.07%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:20.31%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:69.92%;background:#cceeff;margin:0pt;padding:0pt;"> 2024 </td><td style="vertical-align:bottom;width:4.67%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:5.07%;background:#cceeff;margin:0pt;padding:0pt;"> $ </td><td style="vertical-align:bottom;white-space:nowrap;width:20.31%;background:#cceeff;margin:0pt;padding:0pt;"> 1,937 </td></tr><tr><td style="vertical-align:bottom;width:69.92%;margin:0pt;padding:0pt;"> 2025 </td><td style="vertical-align:bottom;width:4.67%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:5.07%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:20.31%;margin:0pt;padding:0pt;"> 3,883 </td></tr><tr><td style="vertical-align:bottom;width:69.92%;background:#cceeff;margin:0pt;padding:0pt;"> 2026 </td><td style="vertical-align:bottom;width:4.67%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:5.07%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:20.31%;background:#cceeff;margin:0pt;padding:0pt;"> 3,757 </td></tr><tr><td style="vertical-align:bottom;width:69.92%;margin:0pt;padding:0pt;"> 2027 </td><td style="vertical-align:bottom;width:4.67%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:5.07%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:20.31%;margin:0pt;padding:0pt;"> 3,863 </td></tr><tr><td style="vertical-align:bottom;width:69.92%;background:#cceeff;margin:0pt;padding:0pt;"> 2028 </td><td style="vertical-align:bottom;width:4.67%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:5.07%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:20.31%;background:#cceeff;margin:0pt;padding:0pt;"> 3,973 </td></tr><tr><td style="vertical-align:bottom;width:69.92%;margin:0pt;padding:0pt;"> Thereafter </td><td style="vertical-align:bottom;width:4.67%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:5.07%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:20.31%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 25,706 </td></tr><tr><td style="vertical-align:middle;width:69.92%;background:#cceeff;margin:0pt;padding:0pt;"> Total undiscounted lease payments </td><td style="vertical-align:middle;width:4.67%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:5.07%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:20.31%;background:#cceeff;margin:0pt;padding:0pt;"> 43,119 </td></tr><tr><td style="vertical-align:bottom;width:69.92%;margin:0pt;padding:0pt;"> Less: imputed interest </td><td style="vertical-align:bottom;width:4.67%;margin:0pt;padding:0pt;"> <span

style="visibility:hidden;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:5.07%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:20.31%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> (16,968) </td></tr><tr><td style="vertical-align:middle;width:69.92%;background:#cceeff;margin:0pt;padding:0pt;"> Total lease liabilities </td><td style="vertical-align:middle;width:4.67%;background:#cceeff;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:5.07%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:20.31%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 26,151 </td></tr></table> 1937000 3883000 3757000 3863000 3973000 25706000 43119000 16968000 26151000 <table style="border-collapse:collapse;font-size:16pt;height:max-content;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:middle;width:38.74%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:2.59%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:2.82%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:11.26%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:0.89%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:2.91%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:11.26%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:1.01%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:2.59%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:11.24%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;white-space:nowrap;width:38.74%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.59%;margin:0pt;padding:0pt;"> </td><td colspan="5" style="vertical-align:bottom;white-space:nowrap;width:29.15%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Three Months Ended </td><td style="vertical-align:bottom;white-space:nowrap;width:1.01%;margin:0pt;padding:0pt;"> </td><td colspan="5" style="vertical-align:bottom;white-space:nowrap;width:28.47%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Six Months Ended </td></tr><tr><td style="vertical-align:bottom;width:38.74%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> ($ in thousands) </td><td style="vertical-align:bottom;width:2.59%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:14.08%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> June 30, 2024 </td><td style="vertical-align:bottom;white-space:nowrap;width:0.89%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:14.17%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> June 30, 2023 </td><td style="vertical-align:bottom;width:1.01%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:13.62%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> June 30, 2024 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.01%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:13.83%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> June 30, 2023 </td></tr><tr><td style="vertical-align:middle;width:38.74%;background:#cceeff;margin:0pt;padding:0pt;"> Operating lease cost </td><td style="vertical-align:middle;width:2.59%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:2.82%;background:#cceeff;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:middle;width:11.26%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 909</p></td><td style="vertical-align:middle;width:0.89%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:middle;width:2.91%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:center;margin:0pt;">$ </td><td style="vertical-align:middle;width:11.26%;background:#cceeff;margin:0pt;padding:0pt;"> 830 </td><td style="vertical-align:middle;width:1.01%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:2.35%;background:#cceeff;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:middle;width:11.26%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 1,740</p></td><td style="vertical-align:middle;width:1.01%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:middle;width:2.59%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:center;margin:0pt;">$ </td><td style="vertical-align:middle;width:11.24%;background:#cceeff;margin:0pt;padding:0pt;"> 1,661 </td></tr><tr><td style="vertical-align:middle;width:38.74%;margin:0pt;padding:0pt;"> Variable lease cost </td><td style="vertical-align:bottom;white-space:nowrap;width:2.59%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.82%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:11.26%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 394 </td><td style="vertical-align:bottom;white-space:nowrap;width:0.89%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.91%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:11.26%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 448 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.01%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.35%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:11.26%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 1,114 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.01%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.59%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:11.24%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 926 </td></tr><tr><td style="vertical-align:bottom;white-space:nowrap;width:38.74%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.59%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:2.82%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $ </td><td style="vertical-align:bottom;white-space:nowrap;width:11.26%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 1,303 </td><td style="vertical-align:bottom;white-space:nowrap;width:0.89%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:2.91%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;">

$</p></td><td style="vertical-align:bottom;white-space:nowrap;width:11.26%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 1,278</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.01%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:middle;width:2.35%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:center;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:11.26%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 2,854 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.01%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:2.59%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:11.24%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 2,587</p></td></tr></table><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p><table style="border-collapse:collapse;font-size:16pt;height:max-content;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:middle;width:54.96%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="position:absolute;top:50%;transform:translate(0,-50%);width:100%;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:middle;width:3.67%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="position:absolute;top:50%;transform:translate(0,-50%);width:100%;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:middle;width:3.99%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="position:absolute;top:50%;transform:translate(0,-50%);width:100%;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:middle;width:15.97%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="position:absolute;top:50%;transform:translate(0,-50%);width:100%;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:middle;width:1.27%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="position:absolute;top:50%;transform:translate(0,-50%);width:100%;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:middle;width:4.16%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="position:absolute;top:50%;transform:translate(0,-50%);width:100%;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:middle;width:15.93%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="position:absolute;top:50%;transform:translate(0,-50%);width:100%;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></div></div></td></tr><tr><td style="vertical-align:bottom;white-space:nowrap;width:54.96%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:3.67%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"></p></td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:19.97%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:8pt;text-align:center;margin:0pt;"><b style="font-weight:bold;">Six Months Ended </p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.27%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:center;margin:0pt;"></p></td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:20.1%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:8pt;text-align:center;margin:0pt;"><b style="font-weight:bold;">Six Months Ended </p></td></tr><tr><td style="vertical-align:bottom;width:54.96%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:8pt;margin:0pt;"><b style="font-weight:bold;">($ in thousands) </td><td style="vertical-align:bottom;width:3.67%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:19.97%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> June 30, 2024 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.27%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:20.1%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> June 30, 2023 </td></tr><tr><td style="vertical-align:middle;width:54.96%;background:#cceeff;margin:0pt;padding:0pt;"> Weighted-average discount rate </td><td style="vertical-align:middle;width:3.67%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:3.99%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:15.97%;background:#cceeff;margin:0pt;padding:0pt;"> 9.7% </td><td style="vertical-align:middle;width:1.27%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:4.16%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:15.93%;background:#cceeff;margin:0pt;padding:0pt;"> 9.7% </td></tr><tr><td style="vertical-align:middle;width:54.96%;margin:0pt;padding:0pt;"> Weighted-average remaining lease term (years) </td><td style="vertical-align:middle;width:3.67%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:3.99%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:15.97%;margin:0pt;padding:0pt;"> 10.7 </td><td style="vertical-align:middle;width:1.27%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:4.16%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:15.93%;margin:0pt;padding:0pt;"> 11.7 </td></tr></table> <table style="border-collapse:collapse;font-size:16pt;height:max-content;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:middle;width:38.74%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:2.59%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:2.82%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:11.26%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:0.89%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:2.91%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;white-space:nowrap;width:11.26%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:1.01%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:2.35%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:11.26%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:1.01%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:2.59%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;white-space:nowrap;width:11.24%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;white-space:nowrap;width:38.74%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.59%;margin:0pt;padding:0pt;"> </td><td colspan="5" style="vertical-align:bottom;white-space:nowrap;width:29.15%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Three Months Ended </td><td style="vertical-align:bottom;white-space:nowrap;width:1.01%;margin:0pt;padding:0pt;"> </td><td colspan="5" style="vertical-align:bottom;white-space:nowrap;width:28.47%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Six Months Ended </td></tr><tr><td style="vertical-align:bottom;width:38.74%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> ($ in thousands) </td><td style="vertical-align:bottom;width:2.59%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:14.08%;border-bottom:1px solid

#000000;margin:0pt;padding:0pt;"> June 30, 2024 </td><td style="vertical-align:bottom;white-space:nowrap;width:0.89%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:14.17%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> June 30, 2023 </td><td style="vertical-align:bottom;width:1.01%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:13.62%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> June 30, 2024 </td><td style="vertical-align:bottom;white-space:nowrap;width:1.01%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:13.83%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> June 30, 2023 </td></tr><tr><td style="vertical-align:middle;width:38.74%;background:#cceeff;margin:0pt;padding:0pt;"> Sublease rental income </td><td style="vertical-align:middle;width:2.59%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:2.82%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;">$</p></td><td style="vertical-align:middle;width:11.26%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 243</p></td><td style="vertical-align:middle;width:0.89%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:middle;width:2.91%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:center;margin:0pt;">$ </td><td style="vertical-align:middle;white-space:nowrap;width:11.26%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:middle;width:1.01%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:2.35%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:middle;width:11.26%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 300</p></td><td style="vertical-align:middle;width:1.01%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:middle;width:2.59%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:center;margin:0pt;">$ </td><td style="vertical-align:middle;white-space:nowrap;width:11.24%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> — </td></tr><tr><td style="vertical-align:bottom;white-space:nowrap;width:38.74%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.59%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:2.82%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:11.26%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 243</p></td><td style="vertical-align:bottom;white-space:nowrap;width:0.89%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:middle;width:2.91%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:center;margin:0pt;">$ </td><td style="vertical-align:middle;white-space:nowrap;width:11.26%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:1.01%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:middle;width:2.35%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:11.26%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 300</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.01%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:middle;width:2.59%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:center;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:11.24%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> — </td></tr></table> 909000 830000 1740000 1661000 394000 448000 1114000 926000 1303000 1278000 2854000 2587000 0.097 0.097 P10Y8M12D P11Y8M12D 1800000 1700000 243000 300000 243000 300000 9. Commitments and Contingencies Amended and Restated Research, Collaboration and License Arrangement with Penn The Company has a research, collaboration and licensing agreement with Penn, as amended, or the Penn Agreement, for research and development collaborations and exclusive license rights to patents for certain products and technologies. Under the Penn Agreement, the Company has the option to obtain exclusive licenses to, and to fund, certain research relating to the preclinical development of selected products in research programs in rare monogenic central nervous system, or CNS indications. The Company has eight remaining options available to commence additional licensed programs for CNS indications until August 3, 2026. The Penn Agreement includes an exploratory research program to identify targets and early product candidates in certain agreed upon non-monogenic, non-rare, or large, CNS indications. The initial term of the exploratory research program is three years, or until August 2024, which term can be extended by mutual agreement. During such term, the Company will have an exclusive right of first negotiation to include additional targets to the exploratory research program in the agreed upon large CNS indications. Under the exploratory research program, the Company will have the right to further develop and commercialize any gene therapy product candidates specific for those selected targets that arise from the exploratory research programs by exercising one of its remaining eight options. The Company currently does not have any active exploratory research programs. If the Company were to exercise any of the remaining options, it would owe Penn a non-refundable aggregate fee of $1.0 million per product indication, with $0.5 million due upfront and another $0.5 million fee owed upon a further developmental milestone. The Company also funds discovery research conducted by Penn through August 3, 2026 and will receive exclusive rights, subject to certain limitations, to platform technologies resulting from the discovery research for the Company's products developed with GTP, such as novel capsids, toxicity reduction technologies and delivery and formulation improvements. This funding commitment for the discovery research is $5.0 million annually, due in quarterly increments of $1.3 million through June 2026. The Penn Agreement requires that the Company make payments of up to (i) $16.5 million per product candidate for rare, monogenic disorders in the aggregate and (ii) $39.0 million per product candidate in the aggregate arising from the exploratory program for large CNS indications. Each payment will be due upon the achievement of specific development milestone events by such licensed product for a first indication, reduced development milestone payments for the second and third indications and no development milestone payments for subsequent indications. In addition, on a product-by-product basis, the Company is obligated to make up to $55.0 million in sales milestone payments on each licensed product based on annual worldwide net sales of the licensed product in excess of defined thresholds. Upon successful commercialization of a product using the licensed technology, the Company is obligated to pay to Penn, on a licensed product-by-licensed product and country-by-country basis, tiered royalties (subject to customary reductions) in the mid-single digits on annual worldwide net sales of such licensed product. In addition, the Company is obligated to pay to Penn a percentage of sublicensing income, ranging from the mid-single digits to low double digits, for sublicenses under the Penn Agreement. The agreement will expire on a licensed product-by-licensed product and country-by-country basis upon the later of (i) the expiration of the last valid claim of the licensed patent rights that covers the exploitation of such licensed product in such country, and (ii) the expiration of the royalty period. In addition, the Company will pay a tiered transaction fee of 1-2% of the net proceeds upon certain change of control events. See Note 11 for amendments to the Penn Agreement subsequent to the date of these financial statements. Catalent Agreements In June 2019, the Company entered into a collaboration agreement, or the Collaboration Agreement, with Catalent Maryland, a unit of Catalent, Inc., or Catalent. As part of the Collaboration Agreement, the Company was required to pay an annual fee for five years ending in 2025 for the exclusive use of a dedicated clean room suite, or the Clean Room Suite. In April 2020, the Company entered into a development services and clinical supply agreement, or the Manufacturing and Supply Agreement, with Catalent to secure clinical scale manufacturing capacity for batches of active pharmaceutical ingredients for the Company's gene therapy product candidates. Under the terms of the Manufacturing and Supply Agreement, Catalent agreed to manufacture batches of drug product for the Company's gene therapy product candidates at the Clean Room Suite at a Catalent facility provided for in the Collaboration Agreement. The Manufacturing and Supply Agreement provided for a term of five years. The Manufacturing and Supply Agreement also included minimum annual purchase commitments. Under both the Collaboration Agreement and the Manufacturing and Supply Agreement, the Company had an annual minimum commitment of $10.6 million per year owed to Catalent for five years from November 2020 subject to certain inflationary adjustments. On March 31, 2023, the Company entered into certain letter agreements, the Letter Agreements, amending each of (i) the Collaboration Agreement and (ii) the Manufacturing and Supply Agreement, together with the Collaboration Agreement, the Original Catalent Agreements. On November 9, 2023, to supersede and implement the terms of the Letter Agreements, the Company entered into an amended and restated collaboration agreement and an amended and restated manufacturing and supply agreement, together the Amended Catalent Agreements. The Amended Catalent Agreements eliminate the minimum annual purchase obligation and the obligation to pay an annual fee for use of the Clean Room Suite, thereby eliminating the annual minimum commitment of $10.6 million per year owed to Catalent through November 2025 under the Original Catalent Agreements. In consideration of this, the Company had an obligation to make aggregate payments to Catalent of $6.0 million between June 30, 2023 and May 1, 2024. As of June 30, 2024, the Company has made all payments related to this obligation under the Amended Catalent Agreements. The Amended Catalent Agreements extend the term of the Original Catalent Agreements until November 6, 2030, and establish a limited exclusive relationship between the Company and Catalent for the manufacture of bulk drug substance and drug product for the Company's adeno-associated virus delivery therapeutic product candidates for the treatment of frontotemporal dementia, or FTD, and GM1 gangliosidosis, or GM1. The limited exclusive relationship under the Amended Catalent Agreements converts to a non-exclusive relationship (i) in the event Catalent fails to meet certain performance standards and (ii) following certain conditional events related to the divestiture by the Company of either FTD or GM1, in which case, if such events occur, the Company would pay Catalent certain fees, which fees are immaterial for GM1. In addition, in the event of certain transactions, the Company may terminate the Amended Catalent Agreements for convenience with respect to such products, in which case, the Company would pay to Catalent a certain termination fee, which fees are immaterial for GM1. Immediately prior to the execution of the Letter Agreements, the Company had a $5.3 million prepaid asset related to upfront payments made to secure the Clean Room Suite. In connection with the Letter Agreements, the Company no longer has exclusive access to the Clean Room Suite at Catalent and, as a result, the Company recognized an expense of $5.3 million related to the elimination of the prepaid asset during the six months ended June 30, 2023. The Company classified the $11.3 million of expenses, which comprises of $6.0 million in aggregate payments

due to Catalent and the $5.3 million elimination of the prepaid asset, as general and administrative expense within the statement of operations for the six months ended June 30, 2023, as both amounts did not directly relate to the future advancement of the Company's research and development programs.</p><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 12pt 0pt;">Litigation</p><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 12pt 0pt;">In the normal course of business, the Company from time to time is named as a party to legal claims and actions. The Company records a loss contingency reserve for a legal proceeding when the potential loss is considered probable and can be reasonably estimated. The Company has not recorded any amounts for loss contingencies as of June 30, 2024.</p><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 12pt 0pt;">The Company is currently a defendant in litigation with a former employee in the Court of Common Pleas of Philadelphia County (Commerce Division), or the Court, relating to a claim of breach of contract and violation of the Pennsylvania Wage Payment and Collection Law. The plaintiff claims that, pursuant to an alleged settlement agreement reached on February 3, 2020, the Company agreed to issue plaintiff 150,000 shares of its common stock and that such shares would not be subject to the reverse stock split implemented by the Company in connection with its initial public offering on February 14, 2020. The plaintiff's claim is for an amount in the mid-single digit millions of dollars. The Company disagrees with the allegations that there was ever a binding settlement agreement or that any shares would not be subject to the reverse stock split, and the Company believes the plaintiff's claim is without merit. In October 2023, the Court denied both the Company's and the plaintiff's motions for summary judgement and therefore the Company anticipates that this matter will go to trial in 2024. The Company intends to vigorously defend against these claims, and believes it has strong arguments to prevail in the litigation. There can be no assurance that the Company will prevail on its claims.</p><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 12pt 0pt;">Employment Agreements</p><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 12pt 0pt;">The Company has employment agreements with certain key personnel providing for up to 18 months of salary continuation, up to 150% of target annual bonus amounts, and acceleration of vesting in stock-based compensation awards in certain circumstances.</p> 1000000.0 500000 500000 5000000.0 1300000 16500000 39000000.0 55000000.0 0.01 0.02 P5Y P5Y 10600000 P5Y 10600000 6000000.0 5300000 5300000 11300000 6000000.0 5300000 150000 1.50 <p style="font-family:'Times New Roman','Times','serif';font-size:10pt;font-weight:bold;margin:0pt 0pt 12pt 0pt;">10. Share-Based Compensation</p><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 12pt 0pt;">Equity Incentive Plan</p><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 12pt 0pt;">The Company has three equity incentive plans: the 2018 Equity Incentive Plan, as amended, or the 2018 Plan, the 2020 Equity Incentive Plan, or the Incentive Plan, and the 2021 Equity Inducement Plan, or the Inducement Plan. New awards can only be granted under the Incentive Plan and the Inducement Plan. </p><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 12pt 0pt;">The total number of shares authorized under the Incentive Plan as of June 30, 2024 was 15,848,867. Additionally, 3,635,337 shares previously issued under the 2018 Plan which were forfeited are available for issuance under the Incentive Plan. As of June 30, 2024, 8,020,105 shares were available for future grants under the Incentive Plan. The number of shares of the Company's common stock that may be issued pursuant to rights granted under the Incentive Plan shall automatically increase on January 1st of each year, commencing on January 1, 2021 and continuing for ten years, in an amount equal to five percent of the total number of shares of the Company's common stock outstanding on December 31st of the preceding calendar year, subject to the discretion of the board of directors to determine a lesser number of shares shall be added for such year. As a result, the number of shares reserved for issuance under the Incentive Plan increased by 2,747,206 and 2,730,735 shares in January 2024 and 2023, respectively.</p><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 12pt 0pt;">The Incentive Plan provides for the granting of common stock, incentive stock options, nonqualified stock options, restricted stock awards, and/or stock appreciation rights to employees, directors, and other persons, as determined by the Company's board of directors. The Company's stock options awarded to date under the Incentive Plan vest based on a requisite service period, generally over four-year periods, and have a term of ten years.</p><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 12pt 0pt;">The Inducement Plan was approved by the Company's board of directors in July 2021. The total number of shares authorized under the Inducement Plan as of June 30, 2024 was 2,500,000. Of this amount, 1,208,175 shares were available for future grants as of June 30, 2024. The Inducement Plan provides for the granting of nonqualified stock options and restricted stock awards to employees hired by the Company, as determined by the Company's board of directors. The Company's stock options awarded to date under the Inducement Plan vest based on requisite service period and have a term of ten years. The Company's restricted stock units awarded to date under the Inducement Plan vest based on requisite service period and have a term based on each award agreement. </p><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 12pt 0pt;">The Company measures share-based awards at their grant-date fair value and records compensation expense on a straight-line basis over the vesting period of the awards. The Company recorded share-based compensation expense in the following expense categories in its accompanying statements of operations for the period presented: </p><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;min-height:0.0pt;margin:0pt;"></p><table style="border-collapse:collapse;font-size:16pt;height:max-content;margin-left:-0.07212067%;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:bottom;width:28.76%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="bottom:0pt;position:absolute;width:100%;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:bottom;white-space:nowrap;width:2.63%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="bottom:0pt;position:absolute;width:100%;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="bottom:0pt;position:absolute;width:100%;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:bottom;white-space:nowrap;width:13.83%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="bottom:0pt;position:absolute;width:100%;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="bottom:0pt;position:absolute;width:100%;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="bottom:0pt;position:absolute;width:100%;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:bottom;white-space:nowrap;width:14.8%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="bottom:0pt;position:absolute;width:100%;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:bottom;white-space:nowrap;width:11.48%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="bottom:0pt;position:absolute;width:100%;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="bottom:0pt;position:absolute;width:100%;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="bottom:0pt;position:absolute;width:100%;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:bottom;white-space:nowrap;width:14.8%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="bottom:0pt;position:absolute;width:100%;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="bottom:0pt;position:absolute;width:100%;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="bottom:0pt;position:absolute;width:100%;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;"></p></div></div></td><td style="vertical-align:bottom;white-space:nowrap;width:13.98%;margin:0pt;padding:0pt;"><div style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"><div style="bottom:0pt;position:absolute;width:100%;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;"></p></div></div></td></tr><tr><td style="vertical-align:bottom;width:28.76%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.63%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;"></p></td><td colspan="5" style="vertical-align:bottom;white-space:nowrap;width:31.25%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:8pt;text-align:center;margin:0pt;"><b style="font-weight:bold;">Three Months Ended June 30, </p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;text-align:center;margin:0pt;"></p></td><td colspan="5" style="vertical-align:bottom;white-space:nowrap;width:34.72%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:8pt;text-align:center;margin:0pt;"><b style="font-weight:bold;">Six Months Ended June 30, </p></td></tr><tr><td style="vertical-align:bottom;width:28.76%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:8pt;margin:0pt;"><b style="font-weight:bold;">(in thousands)</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.63%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:8pt;margin:0pt;"> </p></td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:15.49%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:8pt;text-align:center;margin:0pt;"><b style="font-weight:bold;">2024</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:8pt;text-align:center;margin:0pt;"><b style="font-weight:bold;"> </p></td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:13.13%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:8pt;text-align:center;margin:0pt;"><b style="font-weight:bold;">2023</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;text-align:center;margin:0pt;"></p></td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:16.46%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:8pt;text-align:center;margin:0pt;"><b style="font-weight:bold;">2024</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:8pt;text-align:center;margin:0pt;"><b style="font-weight:bold;"> </p></td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:15.63%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:8pt;text-align:center;margin:0pt;"><b style="font-weight:bold;">2023</p></td></tr><tr><td style="vertical-align:bottom;width:28.76%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;">Research and development</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.63%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:13.83%;background:#cceeff;margin:0pt;padding:0pt;"> 725 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;background:#cceeff;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:11.48%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 1,731</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:14.8%;background:#cceeff;margin:0pt;padding:0pt;"> 1,543 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-

family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">$</p></td><td style="vertical-align:bottom;white-space:nowrap;width:13.98%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 3,359</p></td></tr><tr><td style="vertical-align:bottom;width:28.76%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">General and administrative</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.63%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:13.83%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 853</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:14.8%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 1,630 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:13.98%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 3,168</p></td></tr><tr><td style="vertical-align:bottom;width:28.76%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:2.63%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:13.83%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 1,578</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:11.48%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 3,743 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:14.8%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 3,173</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:13.98%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 6,527 </td></tr></table> The following table summarizes stock option activity for the six months ended June 30, 2024: <table style="border-collapse:collapse;font-size:16pt;height:max-content;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:bottom;width:50.5%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:18.86%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:10.77%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:50.5%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:18.86%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:10.77%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;margin:0pt;padding:0pt;"> Weighted </td></tr><tr><td style="vertical-align:bottom;width:50.5%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:18.86%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:12.47%;margin:0pt;padding:0pt;"> Weighted </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;margin:0pt;padding:0pt;"> average </td></tr><tr><td style="vertical-align:bottom;width:50.5%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:18.86%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:12.47%;margin:0pt;padding:0pt;"> average </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;margin:0pt;padding:0pt;"> remaining </td></tr><tr><td style="vertical-align:bottom;width:50.5%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:18.86%;margin:0pt;padding:0pt;"> Number of </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:12.47%;margin:0pt;padding:0pt;"> exercise price </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;margin:0pt;padding:0pt;"> contractual </td></tr><tr><td style="vertical-align:bottom;width:50.5%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-

align:bottom;white-space:nowrap;width:18.86%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> shares </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:12.47%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> per share </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> term (years) </td></tr><tr><td style="vertical-align:bottom;width:50.5%;background:#cceeff;margin:0pt;padding:0pt;"> Outstanding at January 1, 2024 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:18.86%;background:#cceeff;margin:0pt;padding:0pt;"> 9,290,308 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;background:#cceeff;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:10.77%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 5.63</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 8.0</p></td></tr><tr><td style="vertical-align:bottom;width:50.5%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0pt 12pt;">Granted</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:18.86%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 4,359,307</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:10.77%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 1.43</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt;"> </p></td></tr><tr><td style="vertical-align:bottom;width:50.5%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0pt 12pt;">Exercised</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:18.86%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt;"> (31,925)</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:10.77%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 1.08</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt;"> </p></td></tr><tr><td style="vertical-align:bottom;width:50.5%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0pt 12pt;">Forfeited</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:18.86%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt;"> (1,169,388)</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:10.77%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 6.80</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt;"> </p></td></tr><tr><td style="vertical-align:bottom;width:50.5%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt 0pt 0pt 12pt;">Expired</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:18.86%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> —</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:10.77%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> —</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt;"></p></td></tr><tr><td style="vertical-align:bottom;width:50.5%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">Outstanding at June 30, 2024</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:18.86%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 12,448,302</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:10.77%;margin:0pt;padding:0pt;"> 4.06 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;margin:0pt;padding:0pt;"> 8.3 </td></tr><tr><td style="vertical-align:bottom;width:50.5%;background:#cceeff;margin:0pt;padding:0pt;"> Vested and exercisable at June 30, 2024 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:18.86%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 5,774,514 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;background:#cceeff;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:10.77%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 6.67</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 7.2</p></td></tr><tr><td style="vertical-align:bottom;width:50.5%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">Vested or expected to vest at June 30, 2024</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:18.86%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 12,448,302</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:10.77%;margin:0pt;padding:0pt;"> 4.06 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;margin:0pt;padding:0pt;"> 8.3 </td></tr></table> The weighted average grant date fair value of options granted was $1.08 and $0.83 for the six months ended June 30, 2024 and 2023, respectively. As of June 30, 2024, the total unrecognized compensation expense related to unvested stock option awards was $8.8 million, which the Company expects to recognize over a weighted average period of 2.3 years. The fair value of each option was estimated on the date of grant using the weighted average assumptions in the table below: <table style="border-collapse:collapse;font-size:16pt;height:max-content;margin-left:auto;margin-right:auto;padding-left:0pt;padding-right:0pt;width:97.91%;"><tr style="height:1pt;"><td style="vertical-align:bottom;width:45.3%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:4.24%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:15.18%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.16%;margin:0pt;padding:0pt;"><div

style="height:1pt;overflow:hidden;overflow-wrap:break-word;position:relative;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.24%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.29%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:7.56%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:45.3%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:4.24%;margin:0pt;padding:0pt;"> </td><td colspan="5" style="vertical-align:bottom;white-space:nowrap;width:50.45%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Six Months Ended June 30, </td></tr><tr><td style="vertical-align:bottom;width:45.3%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:4.24%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:24.34%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 2024 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.24%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:23.86%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 2023 </td></tr><tr><td style="vertical-align:bottom;width:45.3%;background:#cceeff;margin:0pt;padding:0pt;"> Expected volatility </td><td style="vertical-align:bottom;white-space:nowrap;width:4.24%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:15.18%;background:#cceeff;margin:0pt;padding:0pt;"> 88.4 </td><td style="vertical-align:bottom;white-space:nowrap;width:9.16%;background:#cceeff;margin:0pt;padding:0pt;"> % </td><td style="vertical-align:bottom;white-space:nowrap;width:2.24%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.29%;background:#cceeff;margin:0pt;padding:0pt;"> 92.5 </td><td style="vertical-align:bottom;white-space:nowrap;width:7.56%;background:#cceeff;margin:0pt;padding:0pt;"> % </td></tr><tr><td style="vertical-align:bottom;width:45.3%;margin:0pt;padding:0pt;"> Risk-free interest rate </td><td style="vertical-align:bottom;white-space:nowrap;width:4.24%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:15.18%;margin:0pt;padding:0pt;"> 4.3 </td><td style="vertical-align:bottom;white-space:nowrap;width:9.16%;margin:0pt;padding:0pt;"> % </td><td style="vertical-align:bottom;white-space:nowrap;width:2.24%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.29%;margin:0pt;padding:0pt;"> 3.6 </td><td style="vertical-align:bottom;white-space:nowrap;width:7.56%;margin:0pt;padding:0pt;"> % </td></tr><tr><td style="vertical-align:bottom;width:45.3%;background:#cceeff;margin:0pt;padding:0pt;"> Expected term </td><td style="vertical-align:bottom;white-space:nowrap;width:4.24%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:15.18%;background:#cceeff;margin:0pt;padding:0pt;"> 6.0 </td><td style="vertical-align:bottom;white-space:nowrap;width:9.16%;background:#cceeff;margin:0pt;padding:0pt;"> years </td><td style="vertical-align:bottom;white-space:nowrap;width:2.24%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.29%;background:#cceeff;margin:0pt;padding:0pt;"> 6.0 </td><td style="vertical-align:bottom;white-space:nowrap;width:7.56%;background:#cceeff;margin:0pt;padding:0pt;"> years </td></tr><tr><td style="vertical-align:bottom;width:45.3%;margin:0pt;padding:0pt;"> Expected dividend yield </td><td style="vertical-align:bottom;white-space:nowrap;width:4.24%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:15.18%;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:9.16%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.24%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.29%;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:7.56%;margin:0pt;padding:0pt;"> </td></tr></table> Restricted Stock Units The Company issues RSUs to employees that vest over periods as determined by the board of directors. Any unvested shares are forfeited upon termination of services. The fair value price of the RSUs is equal to the fair market value of the Company's common stock on the date of grant. Compensation expense is recognized on a straight-line basis over the vesting period of the RSUs. The following table summarizes activity related to RSU awards during the six months ended June 30, 2024: <table style="border-collapse:collapse;font-size:16pt;height:max-content;margin-left:auto;margin-right:auto;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:bottom;width:50.65%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;width:2.1%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.05%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;width:17.61%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.11%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.94%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;width:23.51%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:50.65%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;width:2.1%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.05%;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;width:17.61%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.11%;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:1.94%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;width:23.51%;margin:0pt;padding:0pt;"> Weighted average </td></tr><tr><td style="vertical-align:bottom;width:50.65%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;width:2.1%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.05%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;width:17.61%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Number of shares </td><td style="vertical-align:bottom;white-space:nowrap;width:2.11%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.94%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;width:23.51%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> grant date fair value </td></tr><tr><td style="vertical-align:bottom;width:50.65%;background:#cceeff;margin:0pt;padding:0pt;"> Unvested balance at January 1, 2024 </td><td style="vertical-align:bottom;width:2.1%;background:#cceeff;margin:0pt;padding:0pt;"> <span

style="visibility:hidden;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.05%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:17.61%;background:#cceeff;margin:0pt;padding:0pt;"> 927,000 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.11%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.94%;background:#cceeff;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:23.51%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 2.37</p></td></tr><tr><td style="vertical-align:bottom;width:50.65%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">Granted</p></td><td style="vertical-align:bottom;width:2.1%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.05%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:17.61%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 147,500</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.11%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.94%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:23.51%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 1.29</p></td></tr><tr><td style="vertical-align:bottom;width:50.65%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">Vested</p></td><td style="vertical-align:bottom;width:2.1%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.05%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:17.61%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt;"> (680,166)</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.11%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.94%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:23.51%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 2.13</p></td></tr><tr><td style="vertical-align:bottom;width:50.65%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">Forfeited</p></td><td style="vertical-align:bottom;width:2.1%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.05%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:17.61%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt;"> (41,667)</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.11%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.94%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:23.51%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 2.48</p></td></tr><tr><td style="vertical-align:bottom;width:50.65%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">Unvested balance at June 30, 2024</p></td><td style="vertical-align:bottom;width:2.1%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"></p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.05%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:17.61%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 352,667</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.11%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.94%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:23.51%;background:#cceeff;margin:0pt;padding:0pt;"> 2.37 </td></tr></table> As of June 30, 2024, the total unrecognized expense related to all RSUs was $0.5 million, which the Company expects to recognize over a weighted-average period of 0.6 years. Employee Stock Purchase Plan The Company's 2020 Employee Stock Purchase Plan, or the ESPP, became effective on February 28, 2020. The ESPP authorizes the issuance of up to 1,981,766 shares of the Company's common stock. Of this amount, 1,379,590 were available for future grants as of June 30, 2024. The number of shares of the Company's common stock that may be issued pursuant to rights granted under the ESPP shall automatically increase on January 1st of each year and continuing for ten years, in an amount equal to one percent of the total number of shares of the Company's common stock outstanding on December 31st of the preceding calendar year, subject to the discretion of the board of directors to determine a lesser number of shares shall be added for such year. The board of directors determined the shares authorized for issuance under the ESPP would not be increased in 2024. Under the ESPP, eligible employees can purchase the Company's common stock through accumulated payroll deductions at such times as are established by the board of director's Compensation Committee. Eligible employees may purchase the Company's common stock at 85% of the lower of the fair market value of the Company's common stock on the first day of the offering period or on the last day of the offering period. The offering periods under the ESPP have a duration of six months, with periods ending in May and November of each calendar year. Eligible employees may contribute up to 15% of their eligible compensation. Under the ESPP, a participant may not accrue rights to purchase more than $25,000 worth of the Company's common stock for each calendar year in which such right is outstanding or purchase more than 4,000 shares of the Company's common stock in any single offering period. In accordance with the guidance in ASC Topic 718-50, Compensation - Stock Compensation, the ability to purchase shares of the Company's common stock at 85% of the lower of the price on the first day of the offering period or the last day of the offering period (i.e. the purchase date) represents an option and, therefore, the ESPP is a compensatory plan under this guidance. Accordingly, share-based compensation expense is determined based on the option's grant-date fair value as estimated by applying the Black-Scholes option-pricing model and is recognized over the withholding period. 3 15848867 3635337 8020105 P10Y 0.05 2747206 2730735 P4Y P10Y 2500000 1208175 P10Y <table style="border-collapse:collapse;font-size:16pt;height:max-content;margin-left:-0.07212067%;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:bottom;width:28.76%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.63%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:13.83%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:11.48%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:14.8%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:13.98%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:28.76%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.63%;margin:0pt;padding:0pt;"> </td><td colspan="5" style="vertical-align:bottom;white-space:nowrap;width:31.25%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Three Months Ended June 30, </td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;margin:0pt;padding:0pt;">   </td><td colspan="5" style="vertical-align:bottom;white-space:nowrap;width:34.72%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Six

Months Ended June 30, </td></tr><tr><td style="vertical-align:bottom;width:28.76%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> (in thousands) </td><td style="vertical-align:bottom;white-space:nowrap;width:2.63%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:15.49%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 2024 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:13.13%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 2023 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;margin:0pt;padding:0pt;"> . </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:16.46%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 2024 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:15.63%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 2023 </td></tr><tr><td style="vertical-align:bottom;width:28.76%;background:#cceeff;margin:0pt;padding:0pt;"> Research and development </td><td style="vertical-align:bottom;white-space:nowrap;width:2.63%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;background:#cceeff;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:13.83%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 725</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:11.48%;background:#cceeff;margin:0pt;padding:0pt;"> 1,731 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;background:#cceeff;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:14.8%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 1,543</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:13.98%;background:#cceeff;margin:0pt;padding:0pt;"> 3,359 </td></tr><tr><td style="vertical-align:bottom;width:28.76%;margin:0pt;padding:0pt;"> General and administrative </td><td style="vertical-align:bottom;white-space:nowrap;width:2.63%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:13.83%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 853 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:11.48%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 2,012 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:14.8%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 1,630 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:13.98%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 3,168 </td></tr><tr><td style="vertical-align:bottom;width:28.76%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.63%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:13.83%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 1,578</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:11.48%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 3,743 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:14.8%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 3,173</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.62%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.65%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:13.98%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 6,527 </td></tr></table> 725000 1731000 1543000 3359000 853000 2012000 1630000 3168000 1578000 3743000 3173000 6527000 <table style="border-collapse:collapse;font-size:16pt;height:max-content;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:bottom;width:50.5%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:18.86%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:10.77%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;margin:0pt;padding:0pt;"> . </td></tr><tr><td style="vertical-align:bottom;width:50.5%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:18.86%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:10.77%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;margin:0pt;padding:0pt;"> Weighted </td></tr><tr><td style="vertical-align:bottom;width:50.5%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:18.86%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-

space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:12.47%;margin:0pt;padding:0pt;"> Weighted </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;margin:0pt;padding:0pt;"> average </td></tr><tr><td style="vertical-align:bottom;width:50.5%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:18.86%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:12.47%;margin:0pt;padding:0pt;"> average </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;margin:0pt;padding:0pt;"> remaining </td></tr><tr><td style="vertical-align:bottom;width:50.5%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:18.86%;margin:0pt;padding:0pt;"> Number of </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:12.47%;margin:0pt;padding:0pt;"> exercise price </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;margin:0pt;padding:0pt;"> contractual </td></tr><tr><td style="vertical-align:bottom;width:50.5%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:18.86%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> shares </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:12.47%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> per share </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> term (years) </td></tr><tr><td style="vertical-align:bottom;width:50.5%;background:#cceeff;margin:0pt;padding:0pt;"> Outstanding at January 1, 2024 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:18.86%;background:#cceeff;margin:0pt;padding:0pt;"> 9,290,308 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;background:#cceeff;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:10.77%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 5.63</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 8.0</p></td></tr><tr><td style="vertical-align:bottom;width:50.5%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt 0pt 12pt;">Granted</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:18.86%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 4,359,307</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:10.77%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 1.43</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt;"> </p></td></tr><tr><td style="vertical-align:bottom;width:50.5%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt 0pt 0pt 12pt;">Exercised</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:18.86%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt;"> (31,925)</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:10.77%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 1.08</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt;"> </p></td></tr><tr><td style="vertical-align:bottom;width:50.5%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt 0pt 0pt 12pt;">Forfeited</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:18.86%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt;"> (1,169,388)</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:10.77%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 6.80</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt;"> </p></td></tr><tr><td style="vertical-align:bottom;width:50.5%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt 0pt 0pt 12pt;">Expired</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:18.86%;background:#cceeff;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> —</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:10.77%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> —</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt;">.</p></td></tr><tr><td style="vertical-align:bottom;width:50.5%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">Outstanding at June 30, 2024</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:18.86%;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 12,448,302</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times',serif;font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:10.77%;margin:0pt;padding:0pt;"> 4.06 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;margin:0pt;padding:0pt;"> 8.3 </td></tr><tr><td style="vertical-align:bottom;width:50.5%;background:#cceeff;margin:0pt;padding:0pt;"> Vested and exercisable at June 30, 2024 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:18.86%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"> 5,774,514 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-

family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">$</p></td><td style="vertical-align:bottom;white-space:nowrap;width:10.77%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 6.67</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 7.2</p></td></tr><tr><td style="vertical-align:bottom;width:50.5%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">Vested or expected to vest at June 30, 2024</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:18.86%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 12,448,302</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.69%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:10.77%;margin:0pt;padding:0pt;"> 4.06 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.69%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:10.05%;margin:0pt;padding:0pt;"> 8.3 </td></tr></table> 9290308 5.63 P8Y 4359307 1.43 31925 1.08 1169388 6.80 12448302 4.06 P8Y3M18D 5774514 6.67 P7Y2M12D 12448302 4.06 P8Y3M18D 1.08 0.83 8800000 P2Y3M18D <table style="border-collapse:collapse;font-size:16pt;height:max-content;margin-left:auto;margin-right:auto;padding-left:0pt;padding-right:0pt;width:97.91%;"><tr style="height:1pt;"><td style="vertical-align:bottom;width:45.3%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:4.24%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:15.18%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:9.16%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.24%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:16.29%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:7.56%;margin:0pt;padding:0pt;"> </td></tr><tr><td style="vertical-align:bottom;width:45.3%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:4.24%;margin:0pt;padding:0pt;"> </td><td colspan="5" style="vertical-align:bottom;white-space:nowrap;width:50.45%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Six Months Ended June 30, </td></tr><tr><td style="vertical-align:bottom;width:45.3%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:4.24%;margin:0pt;padding:0pt;"> </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:24.34%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 2024 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.24%;margin:0pt;padding:0pt;"> . </td><td colspan="2" style="vertical-align:bottom;white-space:nowrap;width:23.86%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> 2023 </td></tr><tr><td style="vertical-align:bottom;width:45.3%;background:#cceeff;margin:0pt;padding:0pt;"> Expected volatility </td><td style="vertical-align:bottom;white-space:nowrap;width:4.24%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:15.18%;background:#cceeff;margin:0pt;padding:0pt;"> 88.4 </td><td style="vertical-align:bottom;white-space:nowrap;width:9.16%;background:#cceeff;margin:0pt;padding:0pt;"> % </td><td style="vertical-align:bottom;white-space:nowrap;width:2.24%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:16.29%;background:#cceeff;margin:0pt;padding:0pt;"> 92.5 </td><td style="vertical-align:bottom;white-space:nowrap;width:7.56%;background:#cceeff;margin:0pt;padding:0pt;"> % </td></tr><tr><td style="vertical-align:bottom;width:45.3%;margin:0pt;padding:0pt;"> Risk-free interest rate </td><td style="vertical-align:bottom;white-space:nowrap;width:4.24%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:15.18%;margin:0pt;padding:0pt;"> 4.3 </td><td style="vertical-align:bottom;white-space:nowrap;width:9.16%;margin:0pt;padding:0pt;"> % </td><td style="vertical-align:bottom;white-space:nowrap;width:2.24%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:16.29%;margin:0pt;padding:0pt;"> 3.6 </td><td style="vertical-align:bottom;white-space:nowrap;width:7.56%;margin:0pt;padding:0pt;"> % </td></tr><tr><td style="vertical-align:bottom;width:45.3%;background:#cceeff;margin:0pt;padding:0pt;"> Expected term </td><td style="vertical-align:bottom;white-space:nowrap;width:4.24%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:15.18%;background:#cceeff;margin:0pt;padding:0pt;"> 6.0 </td><td style="vertical-align:bottom;white-space:nowrap;width:9.16%;background:#cceeff;margin:0pt;padding:0pt;"> years </td><td style="vertical-align:bottom;white-space:nowrap;width:2.24%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:16.29%;background:#cceeff;margin:0pt;padding:0pt;"> 6.0 </td><td style="vertical-align:bottom;white-space:nowrap;width:7.56%;background:#cceeff;margin:0pt;padding:0pt;"> years </td></tr><tr><td style="vertical-align:bottom;width:45.3%;margin:0pt;padding:0pt;"> Expected dividend yield </td><td style="vertical-align:bottom;white-space:nowrap;width:4.24%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:15.18%;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:9.16%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.24%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:16.29%;margin:0pt;padding:0pt;"> — </td><td style="vertical-align:bottom;white-space:nowrap;width:7.56%;margin:0pt;padding:0pt;"> . </td></tr></table> 0.884 0.925 0.043 0.036 P6Y P6Y . <table style="border-collapse:collapse;font-size:16pt;height:max-content;margin-left:auto;margin-right:auto;padding-left:0pt;padding-right:0pt;width:100%;"><tr style="height:1pt;"><td style="vertical-align:bottom;width:50.65%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;width:2.1%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.05%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;width:17.61%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.11%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:1.94%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;width:23.51%;margin:0pt;padding:0pt;"> . </td></tr><tr><td style="vertical-align:bottom;width:50.65%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;width:2.1%;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.05%;margin:0pt;padding:0pt;"> <span style="font-

family:'Calibri','Helvetica','sans-serif';font-size:11pt;"> </td><td style="vertical-align:bottom;width:17.61%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.11%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.94%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;width:23.51%;margin:0pt;padding:0pt;"> Weighted average </td></tr><tr><td style="vertical-align:bottom;width:50.65%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;width:2.1%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:2.05%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;width:17.61%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> Number of shares </td><td style="vertical-align:bottom;white-space:nowrap;width:2.11%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.94%;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;width:23.51%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"> grant date fair value </td></tr><tr><td style="vertical-align:bottom;width:50.65%;background:#cceeff;margin:0pt;padding:0pt;"> Unvested balance at January 1, 2024 </td><td style="vertical-align:bottom;width:2.1%;background:#cceeff;margin:0pt;padding:0pt;"> . </td><td style="vertical-align:bottom;white-space:nowrap;width:2.05%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:17.61%;background:#cceeff;margin:0pt;padding:0pt;"> 927,000 </td><td style="vertical-align:bottom;white-space:nowrap;width:2.11%;background:#cceeff;margin:0pt;padding:0pt;"> </td><td style="vertical-align:bottom;white-space:nowrap;width:1.94%;background:#cceeff;margin:0pt;padding:0pt;"> $</p></td><td style="vertical-align:bottom;white-space:nowrap;width:23.51%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 2.37</p></td></tr><tr><td style="vertical-align:bottom;width:50.65%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">Granted</p></td><td style="vertical-align:bottom;width:2.1%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.05%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:17.61%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 147,500</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.11%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.94%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:23.51%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 1.29</p></td></tr><tr><td style="vertical-align:bottom;width:50.65%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">Vested</p></td><td style="vertical-align:bottom;width:2.1%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.05%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:17.61%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt;"> (680,166)</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.11%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.94%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:23.51%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 2.13</p></td></tr><tr><td style="vertical-align:bottom;width:50.65%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">Forfeited</p></td><td style="vertical-align:bottom;width:2.1%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.05%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:17.61%;border-bottom:1px solid #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt;"> (41,667)</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.11%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.94%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:23.51%;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 2.48</p></td></tr><tr><td style="vertical-align:bottom;width:50.65%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">Unvested balance at June 30, 2024</p></td><td style="vertical-align:bottom;width:2.1%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;">.</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.05%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:17.61%;background:#cceeff;border-bottom:3px double #000000;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt 3pt 0pt 0pt;"> 352,667</p></td><td style="vertical-align:bottom;white-space:nowrap;width:2.11%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;margin:0pt;"> </p></td><td style="vertical-align:bottom;white-space:nowrap;width:1.94%;background:#cceeff;margin:0pt;padding:0pt;"><p style="font-family:'Times New Roman','Times','serif';font-size:10pt;text-align:right;margin:0pt;">$ </td><td style="vertical-align:bottom;white-space:nowrap;width:23.51%;background:#cceeff;margin:0pt;padding:0pt;"> 2.37 </td></tr></table> 927000 2.37 147500 1.29 680166 2.13 41667 2.48 352667 2.37 500000 P0Y7M6D 1981766 1379590 P10Y 0.01 0.85 0.15 25000 4000 0.85 11. Subsequent Events On July 31, 2024, the Company entered into a series of sublicense agreements with Gemma Biotherapeutics, Inc., or Gemma, a newly formed genetic medicines company co-founded by Dr. James Wilson, who also serves as a consultant to the Company as Scientific Advisor, in connection with the outlicense of PBGM01 for the treatment of GM1, PBKR03 for the treatment of Krabbe disease, and PBML04 for the treatment of metachromatic leukodystrophy, or MLD, collectively the Outlicensed Programs, and such agreements, the Gemma Sublicenses. Pursuant to the Gemma Sublicenses, the Company will receive (i) initial payments of $10 million for the purchase of clinical product supply; (ii) up to an additional $10 million contingent on the completion by Gemma of certain business milestones; (iii) up to an additional $114 million in development and commercial milestone payments; and (iv) single digit royalties as a percentage of annual worldwide net sales in exchange for sublicenses to relevant intellectual property, transfer of regulatory dossiers and transfer of clinical trial materials and product supply related to the Outlicensed Programs. Pursuant to the Gemma Sublicenses, Gemma will also be responsible for all payments due to Penn under the Penn Agreement related to the Outlicensed Programs. The Company also entered into a transition services agreement with Gemma, or the Transition Services Agreement, pursuant to which, the Company will provide transitional services at cost to Gemma for a period of up to six months from the effective date, and be entitled to reimbursement for transitional services performed retroactively from March 1, 2024, related to the transfer of the Outlicensed Programs. . The Company also entered into a research, collaboration and license agreement with Gemma pursuant to which (i) Gemma will conduct certain preclinical and IND-enabling work for the Company's active research program in Huntington's disease and a currently paused research program in Temporal Lobe Epilepsy, which were previously being conducted by Penn under the Penn Agreement and (ii) Gemma will grant the Company options to conduct new research programs in four new CNS indications. . As a result of these agreements, the Company and Penn also amended and restated the Penn Agreement, as of July 31, 2024 to (i) terminate the Company's funding of discovery research; (ii) terminate the research and exploratory research programs being conducted by Penn; (iii) terminate the remaining options the Company had to select new research programs in the CNS field; (iv) terminate the transaction fee due to Penn as a result of certain corporate transactions; and (v) retain the current exclusive and non-exclusive licenses to the Company's programs in FTD, the Outlicensed Programs, and certain platform technologies resulting from the discovery programs the Company previously funded. Pursuant to the Gemma Sublicenses, Gemma is responsible for the payments to Penn related to the Outlicensed Programs for the development milestones, sales milestones, and royalties disclosed in Note 9. . As these agreements were executed subsequent to the balance sheet date, and do not relate to conditions or events which existed as of the balance sheet date, the Company's financial statements included in this Quarterly Report on Form 10-Q do not reflect the impacts of these agreements. 10000000 10000000 114000000 4 On May 9, 2024, William Chou, M.D., a director and officer of the Company, terminated a pre-arranged written stock sale plan in accordance with Rule 10b5-1 under the Exchange Act, for the potential sale of up to 300,000 shares of the Company's common stock. The plan was terminated in accordance with the Company's policies regarding transactions in the Company's securities. The plan was intended to satisfy the affirmative defense conditions of Rule 10b5-1(c) under the Exchange Act and was scheduled to terminate no later than August 30, 2024, or on such earlier date on which all of the trades thereunder had been executed. May 9, 2024 William Chou director and officer of the Company 300000 true August 30, 2024