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of Contents Â Â Â Â UNITED STATESSECURITIES AND EXCHANGE COMMISSIONWashington, D.C. 20549FORM 10-Q(Mark One)â˜’QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934For the quarterly period ended December 31, 2024ORâ˜TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934For the transition period from to Commission File Number: 001-38720Twist Bioscience Corporation(Exact Name of Registrant as Specified in its Charter)Delaware46-2058888(State or other jurisdiction of(I.R.S. Employerincorporation or organization)Identification No.)681 Gateway Blvd, South San Francisco, CA 94080(Address of principal executive offices and zip code)(800) 719-0671(Registrantâ€™s telephone number, including area code)Title of each classTrading Symbol(s)Name of each exchange on which registeredCommon StockTWSTThe Nasdaq Global Select MarketIndicate by check mark whether the Registrant: (1) has 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 the Registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes â˜’ No â˜Indicate by check mark whether the Registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (Â§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the Registrant was required to submit such files). Yes â˜’ No â˜Indicate by check mark whether the Registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of â€œlarge accelerated filer,â€ â€œaccelerated filer,â€ â€œsmaller reporting companyâ€ and â€œemerging growth companyâ€ in Rule 12b-2 of the Exchange Act. (Check one):Large accelerated filerâ˜’Accelerated filerâ˜Non-accelerated filerâ˜Smaller reporting companyâ˜Â Â Emerging growth companyâ˜Table of ContentsIf an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. â˜Indicate by check mark whether the Registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes â˜ No â˜’APPLICABLE ONLY TO ISSUERS INVOLVED IN BANKRUPTCY PROCEEDINGS DURING THE PRECEDING FIVE YEARS:Indicate by check mark whether the registrant has filed all documents and reports required to be filed by Section 12, 13 or 15(d) of the Securities Exchange Act of 1934 subsequent to the distribution of securities under a plan confirmed by a court. Yes â˜ No â˜APPLICABLE ONLY TO CORPORATE ISSUERSIndicate the number of shares outstanding of each of the issuerâ€™s classes of common stock, as of the latest practicable date.The number of shares of the Registrantâ€™s common stock outstanding as of JanuaryÂ 30, 2025, was 59,651,142.Table of ContentsTWIST BIOSCIENCE CORPORATIONQUARTERLY REPORT ON FORM 10-QFOR THE QUARTER ENDED DECEMBERÂ 31, 2024TABLE OF CONTENTSForward-looking statements2PART I. Financial information4Item 1.Unaudited Financial Statements4Condensed Consolidated Balance Sheets (Unaudited)4Condensed Consolidated Statements of Operations and Comprehensive Loss (Unaudited)5Condensed Consolidated Statements of Stockholdersâ€™ Equity (Unaudited)6Condensed Consolidated Statements of Cash Flows (Unaudited)7Notes to Unaudited Condensed Consolidated Financial Statements8Item 2.Managementâ€™s discussion and analysis of financial condition and results of operations21Item 3.Quantitative and qualitative disclosures about market risk26Item 4.Controls and procedures26PART II. Other information26Item 1.Legal proceedings26Item 1A.Risk factors27Item 2.Unregistered sales of equity securities and use of proceeds27Item 3.Defaults upon senior securities27Item 4.Mine safety disclosures27Item 5.Other information27Item 6.Exhibits28Signatures29Table of ContentsForward-looking statementsThis Quarterly Report on Form 10-Q for the quarter ended DecemberÂ 31, 2024, or Form 10-Q, contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, or the Securities Act, and Section 21E of the Securities Exchange Act of 1934, as amended, or the Exchange Act. These statements relate to, among other matters, future growth, expansion and other expectations regarding future operations plans and financial performance. Forward-looking statements are also identified by the words â€œbelieve,â€ â€œwill,â€ â€œmay,â€ â€œestimate,â€ â€œcontinue,â€ â€œanticipate,â€ â€œintend,â€ â€œshould,â€ â€œplan,â€ â€œexpect,â€ â€œpredict,â€ â€œcould,â€ â€œpotentiallyâ€ and variations of such words and similar expressions. You should not rely upon forward-looking statements as predictions of future events. Such statements are based on managementâ€™s expectations as of the date of this filing and involve many risks and uncertainties that could cause our actual results, events or circumstances to differ materially from those expressed or implied in our forward-looking statements. Such risks and uncertainties include:â€¢our ability to increase our revenue and our revenue growth rate;â€¢our ability to accurately estimate capital requirements and our needs for additional financing; our estimates of the size of our market opportunities;â€¢our ability to increase DNA production, reduce turnaround times and drive cost reductions for our customers;â€¢our ability to effectively manage our growth;â€¢our ability to successfully enter new markets and manage our international expansion;â€¢our ability to develop and commercialize additional products in the synthetic biology, biologic drug and data storage industries;â€¢our ability to leverage our investment in our manufacturing facility in Wilsonville, Oregon; â€¢our ability to protect our intellectual property, including our proprietary DNA synthesis platform;â€¢costs associated with defending intellectual property infringement and other claims;â€¢the effects of increased competition in our business;â€¢our ability to keep pace with changes in technology and our competitors;â€¢our ability to successfully identify, evaluate and manage any future acquisitions of businesses, solutions or technologies;â€¢the success of our marketing efforts;â€¢a significant disruption in, or breach in security of our information technology systems and resultant interruptions in service and any related impact on our reputation;â€¢our ability to attract and retain qualified employees and key personnel;â€¢the effects of natural or man-made catastrophic events or public health emergencies;â€¢the effectiveness of our internal controls;â€¢changes in government regulation affecting our business;â€¢uncertainty as to economic and market conditions and the impact of adverse economic conditions; andâ€¢other risk factors included under the section titled â€œRisk factorsâ€ contained in Item 1A of our Annual Report on Form 10-K filed with the SEC on November 18, 2024.2Table of ContentsYou should not rely upon forward-looking statements as predictions of future events. Such statements are based on managementâ€™s expectations as of the date of this filing and involve many risks and uncertainties that could cause our actual results, events or circumstances to differ materially from those expressed or implied in our forward-looking statements.Readers are urged to carefully review and consider all of the information in this Form 10-Q and in other documents we file from time to time with the Securities and Exchange Commission, or SEC. We undertake no obligation to update any forward-looking statements made in this Form 10-Q to reflect events or circumstances after the date of this filing or to reflect new information or the occurrence of unanticipated events, except as required by law. We may not actually achieve the plans, intentions or expectations disclosed in our forward-looking statements. Our forward-looking statements do not reflect the potential impact of any future acquisitions, mergers, dispositions, joint ventures or investments we may make.When we use the terms â€œTwist,â€ â€œTwist Bioscience,â€ the â€œCompany,â€ â€œwe,â€ â€œusâ€ or â€œourâ€ in this report, we are referring to Twist Bioscience Corporation and its consolidated subsidiaries unless the context requires otherwise. Sequence space and the Twist logo are trademarks of Twist Bioscience Corporation. All other company and product names may be trademarks of the respective companies with which they are associated.3Table of ContentsPART I. Financial informationItem 1. Financial statementsTwist Bioscience CorporationCondensed Consolidated Balance Sheets (unaudited)(In thousands except per share data)December 31,2024September 30,2024AssetsÂ Â Current assets:Â Cash and cash equivalents $221,403Â $226,316Â Short-term investments49,42450,083Accounts receivable, net39,31534,903Inventories23,51824,078Prepaid expenses and other current assets11,64911,396Total current assets$345,309Â $346,776Â Property and equipment, net100,669102,520Operating lease right-of-use

assets56,47558,829Goodwill85,81185,811Intangible assets, net14,21514,478Restricted cash, non-current2,6562,816Other non-current assets3,4453,093Total assets$608,580Â $614,323Â Liabilities and stockholdersâ€™ equityCurrent liabilities:Accounts payable $7,503Â $1,630Â Accrued expenses20,12915,104Accrued compensation21,74233,650Current portion of operating lease liability15,03014,805Other current liabilities5,2425,817Total current liabilities$69,646Â $71,006Â Operating lease liability, net of current portion67,58670,221Liability related to the sale of future revenue15,000â€”Other non-current liabilities407407Total liabilities $152,639Â $141,634Â Commitments and contingencies (Note 6)Stockholdersâ€™ equityCommon stock, $0.00001 par value â€”100,000 and 100,000 shares authorized at DecemberÂ 31, 2024 and SeptemberÂ 30, 2024, respectively; 59,582 and 58,877 shares issued and outstanding at DecemberÂ 31, 2024 and SeptemberÂ 30, 2024, respectively$â€”Â $â€”Â Additional paid-in capital1,730,0921,715,119Accumulated other comprehensive income/(loss)(649)(522)Accumulated deficit(1,273,502)(1,241,908)Total stockholdersâ€™ equity$455,941Â $472,689Â Total liabilities and stockholdersâ€™ equity$608,580Â $614,323Â The accompanying notes are an integral part of these unaudited condensed consolidated financial statements.4Table of ContentsTwist Bioscience CorporationCondensed Consolidated Statements of Operations and Comprehensive Loss (unaudited)Three months endedDecember 31,(In thousands, except per share data)20242023Revenues [1]$88,713Â $71,498Â Operating expenses:Cost of revenues$45,873Â $42,536Â Research and development21,30723,099Selling, general and administrative56,17752,840Total operating expenses$123,357Â $118,475Â Loss from operations$(34,644)$(46,977)Interest income$3,240Â $4,120Â Interest expense(24)â€”Other income (expense), net(69)(31)Loss before income taxes$(31,497)$(42,888)Income tax expense(97)(120)Net loss$(31,594)$(43,008)Other comprehensive loss:Change in unrealized gain (loss) on investments(66)134Â Foreign currency translation adjustment(61)57Comprehensive loss$(31,721)$(42,817)Net loss per share, basic and diluted(0.53)(0.75)Weighted average shares used in computing net loss per share, basic and diluted59,16257,497[1] During the three months ended DecemberÂ 31, 2024, and 2023, the Company had revenues from related parties in the amount of $4.0 million and $2.3 million, respectively.The accompanying notes are an integral part of these unaudited condensed consolidated financial statements.5Table of ContentsTwist Bioscience CorporationCondensed Consolidated Statements of Stockholdersâ€™ Equity (unaudited)Three months ended December 31, 2024CommonstockAdditional paid-incapitalAccumulated OthercomprehensivelossAccumulateddeficitTotalstockholders'equity (In thousands)SharesAmountBalances as of September 30, 202458,877$â€”Â $1,715,119Â (522)(1,241,908)$472,689Â Vesting of restricted stock units536$â€”Â $â€”Â $â€”Â $â€”Â $â€”Â Exercise of stock options169â€”2,950â€”â€”2,950Repurchases of common stock for income tax withholdingâ€”â€”(6)â€”â€”(6)Stock-based compensationâ€”â€”12,029â€”â€”12,029Other comprehensive lossâ€”â€”â€”(127)â€”(127)Net lossâ€”â€”â€”â€”(31,594)(31,594)Balances as of December 31, 202459,582$â€”Â $1,730,092Â (649)(1,273,502)$455,941Â Three months ended December 31, 2023CommonstockAdditional paid-incapitalAccumulated OthercomprehensiveincomeAccumulateddeficitTotalstockholders'equity (In thousands)SharesAmountBalances as of September 30, 202357,577$â€”Â $1,657,222Â (756)(1,033,034)$623,432Â Impact of ASU 2016-13 adoption (Note 2)â€”$â€”Â $â€”Â $â€”Â (148)(148)Vesting of restricted stock units260â€”â€”â€”â€”â€”Exercise of stock options58â€”951â€”â€”951Repurchases of common stock for income tax withholding(96)â€”(2,424)â€”â€”(2,424)Stock-based compensationâ€”â€”11,048â€”â€”11,048Other comprehensive incomeâ€”â€”â€”191â€”191Net lossâ€”â€”â€”â€”(43,008)(43,008)Balances as of December 31, 202357,799$â€”Â $1,666,797Â (565)(1,076,190)$590,042Â The accompanying notes are an integral part of these unaudited condensed consolidated financial statements.6Table of ContentsTwist Bioscience CorporationCondensed Consolidated Statements of Cash Flows (unaudited)Three months endedDecember 31,(in thousands)Â 20242023Cash flows from operating activitiesNet loss$(31,594)$(43,008)Adjustments to reconcile net loss to net cash used in operating activitiesDepreciation and amortization6,3808,171Stock-based compensation11,99111,020Other non-cash adjustments(20)312Changes in assets and liabilities:Accounts receivable, net(4,537)8,058Inventories5601,201Prepaid expenses and other current assets(249)(1,116)Other non-current assets(356)300Accounts payable5,711(4,205)Accrued expenses3,1372,900Accrued compensation(11,850)(5,078)Other liabilities(601)(1,528)Net cash used in operating activities$(21,428)$(22,973)Cash flows from investing activitiesPurchases of property and equipment$(2,268)$(1,506)Purchases of investments(20,593)(18,329)Proceeds from maturity of investments21,32524,000Net cash (used in) provided by investing activities$(1,536)$4,165Â Cash flows from financing activitiesProceeds from exercise of stock options$2,950Â $951Â Proceeds from the issuance of liability related to sale of future revenue15,000â€”Repurchases of common stock for income tax withholding(6)(2,424)Net cash (used in) provided by financing activities$17,944Â $(1,473)Effect of exchange rates on cash, cash equivalents and restricted cash(53)116Â Net decrease in cash, cash equivalents, and restricted cash(5,073)(20,165)Cash, cash equivalents, and restricted cash at beginning of period229,132289,281Cash, cash equivalents, and restricted cash at end of period$224,059Â $269,116Â Supplemental disclosure of cash flow informationIncome taxes paid, net of refunds$3Â $40Â Non-cash investing and financing activitiesProperty and equipment additions included in accounts payable and accrued expenses$2,136Â $487Â The accompanying notes are an integral part of these unaudited condensed consolidated financial statements.7Table of ContentsTwist Bioscience CorporationNotes to Unaudited Condensed Consolidated Financial Statements1. Organization and description of businessTwist Bioscience Corporation (the Company) was incorporated in the state of Delaware on February 4, 2013. The Company is a leading, rapidly growing synthetic biology company that has developed a disruptive DNA synthesis platform to industrialize the engineering of biology. The Companyâ€™s fiscal year ends on SeptemberÂ 30. The core of the Company's platform is a proprietary technology that pioneers a new method of manufacturing synthetic DNA by â€œwritingâ€ DNA on a silicon chip. The Company has combined our silicon-based DNA writing technology with proprietary software, scalable commercial infrastructure and an e-commerce platform to create an integrated technology platform that enables us to achieve high levels of quality, precision, automation, and manufacturing throughput at a significantly lower cost than our competitors. The Company has applied its unique technology to manufacture a broad range of synthetic DNA-based products, including synthetic genes, tools for next generation sequencing, or NGS, sample preparation, and antibody libraries for drug discovery and development, all designed to enable its customers to conduct research more efficiently and effectively. The Company has leveraged the same technology to expand its footprint beyond DNA synthesis to manufacture synthetic RNA as well as antibody proteins to disrupt and innovate within larger market opportunities, in addition to discovery partnerships for biologic drugs and developing completely new applications for synthetic DNA, such as digital data storage. The Company has recognized annual losses from operations since inception and has an accumulated deficit of $1,273.5 million as of DecemberÂ 31, 2024. The Company incurred net losses of $31.6 million and $43.0 million for the three months ended DecemberÂ 31, 2024 and 2023, respectively. As of DecemberÂ 31, 2024, the Company had cash and cash equivalents of $221.4 million and short-term investments of $49.4 million. The Company expects that its current cash, cash equivalents, and short-term investments will be sufficient to fund its operations for a period of at least one year from the date the condensed consolidated financial statements are issued.2. Summary of significant accounting policiesÂ Â Â Â Basis of presentationThe accompanying unaudited condensed consolidated financial statements were prepared in accordance with accounting principles generally accepted in the United States of America (GAAP) for interim financial information. Certain information and disclosures normally included in the consolidated financial statements prepared in accordance with GAAP have been condensed or omitted. Accordingly, these unaudited condensed consolidated financial statements should be read in conjunction with the audited consolidated financial statements and the related notes included in the Annual Report on Form 10-K for the fiscal year ended SeptemberÂ 30, 2024 (the Annual Report on Form 10-K) filed with the Securities and Exchange Commission on NovemberÂ 18, 2024. The condensed consolidated financial statements are unaudited and have been prepared on a basis consistent with that used to prepare the audited annual consolidated financial statements and include, in the opinion of management, all adjustments, consisting of normal and recurring items, necessary for the fair statement of the condensed consolidated financial statements. The condensed consolidated balance sheet at SeptemberÂ 30, 2024 is derived from audited consolidated financial statements but does not include all disclosures required by GAAP. The operating results for the three months ended DecemberÂ 31, 2024 are not necessarily indicative of the results expected for the full year ending SeptemberÂ 30, 2025 or any interim period. Use of estimatesThe presentation of unaudited condensed consolidated 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 liabilities as of the date of the condensed consolidated financial statements and the reported amounts of revenue and expenses during the reporting period. Actual results could differ from those estimates. Principles of ConsolidationThe Companyâ€™s unaudited condensed consolidated financial statements include its wholly owned subsidiaries. All intercompany balances and accounts are eliminated in consolidation.Cash and cash equivalents and restricted cash8Table of ContentsThe following table provides a reconciliation of the Companyâ€™s cash and cash equivalents and non-current portion of restricted cash reported within the unaudited condensed consolidated balance sheets that sum to the total cash, cash equivalents and restricted cash shown in the Companyâ€™s condensed consolidated statements of cash flows:(in thousands)December 31,2024September 30,2024Cash and cash equivalents$221,403Â $226,316Â Restricted cash, non-current2,656Â 2,816Â Total cash, cash equivalents and restricted cash$224,059Â $229,132Â Significant accounting policiesThere have been no material changes in the accounting policies from those disclosed in the audited consolidated financial statements and the related notes included in the Annual Report on Form 10-K other than disclosed below. Liability related to the sale of future revenueThe Company accounts for the proceeds received from the monetization of future milestone and royalty payments from its contracts with certain customers as a debt instrument, which is amortized using the effective interest rate method over the estimated term of the arrangement. The Company recognizes interest expense thereon using the effective rate, which is based on its current estimates of future milestone and royalty payments under its customer contracts to be paid to the counterparty over the term of the arrangement. The Company periodically assesses these future estimated payments to impute interest on the carrying value of the liability. To the extent its estimates of future payments to the counterparty are greater or less than previous estimates or the estimated timing of such payments is materially different than previous estimates, the Company will account for any such changes by adjusting the effective interest rate on a prospective basis, with a corresponding impact to the liability. The assumptions used in determining the expected repayment term of the liability also requires that the Company makes estimates that could impact the classification of the liability, interest recorded on such liability, as well as the period over which such interest will be incurred. For further discussion, please see Note 5, Liability related to the sale of future revenue liability.Recent accounting pronouncementsNew accounting guidance issued but not yet effectiveIn December 2023, the FASB issued ASU No. 2023-09 "Income Taxes (Topic 740)". The amendments in this ASU require that public business entities on an annual basis (1) disclose specific categories in the rate reconciliation and (2) provide additional information for reconciling items that meet a quantitative threshold. The amendments in this update are effective for annual periods beginning after December 15, 2024. The standard is not expected to have a material impact to the Company's consolidated financial statements.In November 2023, the FASB issued ASU No. 2023-07 "Segment Reporting (Topic 280)". The amendments in this ASU improve reportable segment disclosure requirements, primarily through enhanced disclosures about significant segment expenses. The amendments in this update are effective for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024, with early adoption permitted, and should be applied retrospectively. The standard is not expected to have a material impact to the Company's consolidated financial statements.In November 2024, the FASB issued ASU 2024-03, Income Statementâ€”Reporting Comprehensive Incomeâ€”Expense Disaggregation Disclosures, which will require additional expense disclosures for all public entities. The amendments require that at each interim and annual reporting period, an entity will disclose certain disaggregated expenses included in each relevant expense caption, as well as the total amount of selling expenses and, in annual periods, an entityâ€™s definition of selling expenses. ASU 2024-03 is effective for fiscal years beginning after December 15, 2026, and interim periods within fiscal years beginning after December 15, 2027, with early adoption permitted. The Company is currently evaluating the incremental disclosures that will be required in its financial statements.The Company has evaluated other recently issued accounting pronouncements and has concluded that the impact of recently issued standards that are not yet effective will not have a material impact on the Companyâ€™s financial position or results of operations upon adoption.9Table of Contents3. RevenueThe Companyâ€™s revenue is generated through the sale of synthetic biology tools, such as synthetic genes, oligo pools, NGS tools, DNA libraries and biopharma services for antibody discovery, optimization and development ("Biopharma"). Contract balancesThe following table summarizes our contract balances: (in thousands)Â December 31,2024September 30,2024Contract assets(1) $1,837Â $2,031Â Contract liabilities(2)1,381Â 2,131Â (1) Consists of unbilled amounts primarily related to Biopharma contracts which consists of research and development agreements with third parties.(2) Consists of receipt of advance payment before our performance obligations related to Biopharma contracts are met. For the three months ended DecemberÂ 31, 2024 and DecemberÂ 31, 2023, the Company recognized revenue of $1.7 million and $1.3 million, respectively, from the amount that was included in the contract liability balance at the beginning of each period.In addition, for all periods presented, there was no revenue recognized in a reporting period from performance obligations satisfied in previous periods. The aggregate amount of the transaction price allocated to the performance obligations that are unsatisfied as of DecemberÂ 31, 2024 was $8.1 million. The Company expects to recognize revenue over the next twelve months relating to performance obligations unsatisfied as of DecemberÂ 31, 2024.Based on the nature of the Companyâ€™s contracts with customers which are recognized over a term of less than 12 months, the Company has elected to use the practical expedient whereby costs to obtain a contract are expensed as they are incurred. The Company states its revenues net of any taxes collected from customers that are required to be remitted to various government agencies. The amount of taxes collected from customers and payable to governmental entities is included on the balance sheet as part of â€œAccrued expenses and other current liabilities.â€Disaggregation of revenuesThe table below sets forth revenues by geographic region, based on ship-to destinations. Americas consists of the United States, Canada, Mexico and South America; EMEA consists of Europe, the Middle East, and Africa; and APAC consists of Japan, China, South Korea, India, Singapore, Malaysia and Australia.Three months endedDecember 31,(in thousands)20242023Americas$53,709Â $43,959Â EMEA28,30421,220APAC6,7006,319Total$88,713Â $71,498Â 10Table of ContentsThe table below sets forth revenues by products.Three months endedDecember 31,(in thousands)20242023Synthetic genes$26,485Â $19,726Â Oligo pools5,0944,189DNA libraries2,7942,939Antibody discovery5,6985,226NGS tools48,64239,418Total$88,713Â $71,498Â The table below sets forth revenues by industry.Three months endedDecember 31,(in thousands)20242023Industrial chemicals/materials$21,203Â $16,277Â Academic research17,54613,773Healthcare49,36940,881Food/agricultural595567Total$88,713Â $71,498Â 4. Cash, cash equivalent and investmentsThe following table sets forth the cash and cash equivalents, and investments as of DecemberÂ 31, 2024:(in thousands)Amortized costGross unrealized gainsGross unrealized lossesFair valueCash$28,357Â $â€”Â $â€”Â $28,357Â Cash equivalents - money market funds193,046Â â€”Â â€”Â 193,046Â Total cash and cash equivalents$221,403Â $â€”Â $â€”Â $221,403Â Short-term investments:U.S. government treasury bills$49,371Â $53Â $â€”Â $49,424Â Total short-term investments$49,371Â $53Â $â€”Â $49,424Â Non-current assets - equity investment in privately held companies$1,525Â $â€”Â $â€”Â $1,525Â Total cash, cash equivalents and investments$272,299Â $53Â $â€”Â $272,352Â 11Table of ContentsThe following table sets forth the cash and cash equivalents, and investments as of SeptemberÂ 30, 2024:(in thousands)Amortized costGross unrealized gainsGross unrealized lossesFair valueCash$26,458Â $â€”Â $â€”Â $26,458Â Cash equivalents - money market funds199,858Â â€”Â â€”Â 199,858Â Total cash and cash equivalents$226,316Â $â€”Â $â€”Â $226,316Â Short-term investments:U.S. government treasury bills$49,964Â $119Â $â€”Â $50,083Â Total short-term investments$49,964Â $119Â $â€”Â $50,083Â Non-current assets - equity investment in privately held companies$1,525Â $â€”Â $â€”Â $1,525Â Total cash, cash equivalents and investments$277,805Â $119Â $â€”Â $277,924Â During the three months ended DecemberÂ 31, 2024 and 2023, gross realized gains and losses related to our short-term investments were not material.During the three months ended DecemberÂ 31, 2024 and 2023, the Company did not recognize any credit losses.5. Fair value measurementThe Company assesses the fair value of financial instruments based on the provisions of ASC 820, Fair Value Measurements. ASC 820 defines fair value as the exchange price that would be received for an asset or paid to transfer a liability (an exit price) in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants on the measurement date. ASC 820 also establishes a fair value hierarchy which requires an entity to maximize the use of observable inputs and minimize the use of unobservable inputs when measuring fair value. The standard describes three levels of inputs that may be used to measure fair value:Level 1â€”Quoted prices in active markets for identical assets or liabilities.Level 2â€”Observable inputs other than Level 1 prices such as quoted prices for similar assets or liabilities, quoted prices in markets that are not

active, or other inputs that are observable or can be corroborated by observable market data for substantially the full term of the assets or liabilities.Level 3â€”Unobservable inputs that are supported by little or no market activity and that are significant to the fair value of the assets or liabilities.In determining fair value, the Company utilizes valuation techniques that maximize the use of observable inputs and minimize the use of unobservable inputs to the extent possible as well as considering counterparty credit risk in its assessment of fair value.Assets measured at fair value on a recurring basisAs of DecemberÂ 31, 2024, financial assets measured and recognized at fair value are as follows:(in thousands)Level 1Level 2Level 3Fair valueAssetsÂ Â Â Â Money market funds$193,046Â $â€”Â $â€”Â $193,046Â U.S. government treasury bills49,424Â â€”Â â€”Â 49,424Â Total financial assets$242,470Â $â€”Â $â€”Â $242,470Â 12Table of ContentsAs of SeptemberÂ 30, 2024, financial assets measured and recognized at fair value are as follows:(in thousands)Level 1Level 2Level 3Fair valueAssetsÂ Â Â Â Money market funds$199,858Â $â€”Â $â€”Â $199,858Â U.S. government treasury bills50,083â€”Â â€”Â 50,083Total financial assets$249,941Â $â€”Â $â€”Â $249,941Â Contractual maturities of short-term investments, as of DecemberÂ 31, 2024, were less than 12 months. Accrued interest receivable balances included in the prepaid expenses and other current assets within the condensed consolidated balance sheets were $1.4 million and $1.0Â million as of DecemberÂ 31, 2024 and SeptemberÂ 30, 2024, respectively.As of DecemberÂ 31, 2024 and SeptemberÂ 30, 2024, there were no financial liabilities measured and recognized at fair value.There were no transfers between Level 1, Level 2 and Level 3 in the periods presented. Assets and liabilities without readily determinable values measured on a non-recurring basisThe Company holds equity investment in a privately held company. The privately held company is a VIE, but the Company is not the primary beneficiary. The Company does not have the power to direct the activities that most significantly impact the economic performance of the investee. The Companyâ€™s maximum exposure to loss from this VIE consist of an equity investment of $1.5Â million. Equity investments held by the Company lack readily determinable fair values and therefore the securities are measured at cost minus impairment, if any, plus or minus changes resulting from observable price changes in orderly transactions for the identical or similar equity securities of the same issuer. The Company reviews the carrying value of its equity investments for impairment whenever events or changes in business circumstances indicate the carrying amount of such asset may not be fully recoverable. Impairments, if any, are based on the excess of the carrying amount over the recoverable amount of the asset. The Company recorded $2.2Â million of impairments during the three months ended SeptemberÂ 30, 2024. There were no such impairments during the three months ended DecemberÂ 31, 2024 and DecemberÂ 31, 2023. 6. Balance sheet componentsAllowance for credit losses Allowance for credit losses were $0.7Â million and $0.7Â million as of DecemberÂ 31, 2024 and SeptemberÂ 30, 2024, respectively.InventoriesInventories consist of the following:(in thousands)December 31,2024September 30,2024Raw materials$16,031Â $17,316Â Work-in-process2,6372,146Finished goods4,8504,616$23,518Â $24,078Â There is no consigned inventory balance as of DecemberÂ 31, 2024 and SeptemberÂ 30, 2024.Property and Equipment, net13Table of ContentsProperty and Equipment, net consists of the following:(in thousands)Â December 31,2024September 30,2024Laboratory equipment$99,730Â $99,528Â Furniture, fixtures and other equipment2,942Â 2,944Â Vehicles211Â 211Â Computer equipment3,278Â 3,249Â Computer software10,105Â 10,095Â Leasehold improvements57,460Â 57,448Â Construction in progress8,331Â 4,688Â $182,057Â $178,163Â Less: Accumulated depreciation and amortization(81,388)(75,643)$100,669Â $102,520Â Construction in progress mainly represents equipment costs, leasehold improvements costs and internal use software development costs. For the three months ended DecemberÂ 31, 2024 and DecemberÂ 31, 2023, the total depreciation and amortization expense was $6.1 million and $6.9 million, respectively. Other current liabilities Other current liabilities consist of the following:(in thousands)December 31,2024September 30,2024Income and other taxes payable$3,267$2,725Contract liabilities1,3812,131Other current liabilities594961$5,242Â $5,817Â 7. Goodwill and intangible assetsThe goodwill balance is presented below:(in thousands)December 31, 2024September 30, 2024Balance at beginning of period/year$85,811Â $85,811Â Balance at end of period/year $85,811Â $85,811Â The finite-lived intangible assets balances are presented below:December 31, 2024(in thousands, except for years)Weighted averageAmortization periodin yearsGrosscarryingamountAccumulatedamortizationNet bookvalueDeveloped Technology17$19,120Â $(4,905)$14,215Â Customer Relationshipsâ€”510Â (510)â€”Â Total finite-lived intangible assets$19,630Â $(5,415)$14,215Â 14Table of ContentsSeptember 30, 2024(in thousands, except for years)Weighted averageAmortization periodin yearsGrosscarryingamountImpairmentAccumulatedamortizationNet bookvalueDeveloped Technology17$50,020Â $(25,198)$(10,344)$14,478Â Customer Relationshipsâ€”15,210Â (10,541)(4,669)â€”Â Tradenames & Trademarksâ€”900Â (125)(775)â€”Â Total finite-lived intangible assets$66,130Â $(35,864)$(15,788)$14,478Â Total amortization expense related to intangible assets was $0.3 million for the three months ended DecemberÂ 31, 2024 and $1.3Â million for the three months ended DecemberÂ 31, 2023. 8. LeasesThe Company leases certain of its facilities under non-cancellable operating leases expiring at various dates through 2044. The Company is also responsible for utilities, maintenance, insurance, and property taxes under these leases. The lease payments consist primarily of fixed rental payments for the right to use the underlying leased assets over the lease terms, as well as payments for common-area-maintenance and administrative services. The Company often receives customary incentives from its landlords, such as reimbursements for tenant improvements and rent abatement periods, which effectively reduce the total lease payments owed for these leases. Leases are classified as operating or financing at commencement. The Company does not have any material financing leases.Certain leases include options to renew or terminate at the Companyâ€™s discretion. The lease terms include periods covered by these options if it is reasonably certain the Company will renew or not terminate. The Companyâ€™s lease agreements do not contain any material residual value guarantees or restrictive covenants.The following table presents the Company's right-of-use assets and lease liabilities related to the Companyâ€™s operating leases as of DecemberÂ 31, 2024:(in thousands)December 31,2024Assets:Â Operating lease right-of-use asset$56,475Â Current liabilities:Current portion of operating lease liabilities$15,030Â Noncurrent liabilities:Operating lease liabilities, net of current portion$67,586Â Future minimum lease payments under all non-cancelable operating leases as of DecemberÂ 31, 2024 are as follows:15Table of Contents(in thousands)OperatingleasesYears ending September 30:Â Remainder of 2025$11,156Â 202613,88520278,37120288,47120296,609Thereafter81,405Total minimum lease payments$129,897Â Less: imputed interest(47,281)Total operating lease liabilities$82,616Â Less: current portion(15,030)Operating lease liabilities, net of current portion$67,586Â The components of lease expense and supplemental information were as follows: Three months endedDecember 31,(in thousands except years and percentage)20242023Operating lease costs$3,738Â $4,010Â Variable lease costs1,920Â 1,538Â Weighted-average remaining lease term (in years) - operating leases15.2 years15.3 yearsWeighted-average discount rate - operating leases6.5Â %6.5Â %Supplemental cash flow information related to leases are as follows:Three months endedDecember 31,(in thousands)20242023Cash payments included in the measurement of operating lease liabilities$3,700Â $3,700Â 9. Commitments and contingenciesLegal proceedingsThe Company may be subject to litigation, claims and disputes in the ordinary course of business. Certain significant matters are described below. We recognize accruals for matters to the extent that we conclude that a loss is both probable and reasonably estimable. If we determine that a material loss is reasonably possible and the loss or range of loss can be estimated, we disclose the possible loss.Securities Class ActionOn December 12, 2022, a putative securities class action lawsuit captioned Peters v. Twist Bioscience Corporation, et al., Case No. 22-cv-08168 (N.D. Cal.) (â€œSecurities Class Actionâ€) was filed in federal court in the Northern District of California (â€œCourtâ€) against the Company, its Chief Executive Officer, and its Chief Financial Officer (the â€œDefendantsâ€) alleging violations of federal securities laws. The Securities Class Actionâ€™s claims are based in large part on allegations made in a report issued on November 15, 2022 by Scorpion Capital (â€œScorpion Reportâ€) concerning, among other things, the Companyâ€™s DNA chip technology and accounting practices. The initial complaint filed in the Securities Class Action alleges that various statements that the defendants made between December 13, 2019 and November 14, 2022 were materially false and misleading in light of the allegations in the Scorpion Report. The plaintiff who initiated the lawsuit sought to represent a class of shareholders who acquired shares of the Companyâ€™s common stock between December 13, 2019 and November 14, 2022 and sought damages as well as certain other costs. On July 28, 2023, the Court appointed a 16Table of Contentsnew plaintiff, not the original plaintiff who filed the case, as lead plaintiff in the case and appointed a new law firm as lead counsel. On October 11, 2023, the lead plaintiff filed an amended complaint. The amended complaint is purportedly brought on behalf of all persons other than the Defendants who acquired the Companyâ€™s securities between December 20, 2018 and November 15, 2022. The amended complaint alleges that certain statements regarding, among other things, the Companyâ€™s DNA products and accounting practices were false and misleading.This case remains in the preliminary stage. Given the inherent uncertainty of litigation and the legal standards that must be met, including class certification and success on the merits, the Company cannot express an opinion on the likelihood of an unfavorable outcome or on the amount or range of any potential loss. The Company and the other defendants intend to vigorously defend themselves against the claims asserted against them and filed a motion to dismiss the amended complaint on December 6, 2023. A hearing on the motion to dismiss was held on November 13, 2024 and the Company is now awaiting the judge's decision.Derivative ActionOn September 25, 2023, a shareholder derivative suit captioned Shumacher vs. Leproust et al., No. 1:23-cv-01048-UNA, was filed in the United States District Court for the District of Delaware against directors of the Company and an employee (the â€œDerivative Actionâ€). The suit is based on substantially the same allegations in the Securities Class Action and seeks to recover, on behalf of the Company, damages to the Company arising from, among other things, the Securities Class Action. On November 13, 2023, the parties to the Derivative Action entered into a stipulation staying the Derivative Action pending resolution of the anticipated motion to dismiss the defendants have filed in the Securities Class Action.10. Related party transactionsDuring the three months ended DecemberÂ 31, 2024 and 2023, the Company had revenues from related parties in the amount of $4.0 million and $2.3 million, respectively. During the three months ended DecemberÂ 31, 2024, the purchases of raw materials from related parties were immaterial. During the three months ended DecemberÂ 31, 2023, the Company purchased raw materials from related parties in the amount of $1.3 million. As of DecemberÂ 31, 2024 and SeptemberÂ 30, 2024, receivable balances with related parties were $0.7 million and $0.5 million, respectively. As of DecemberÂ 31, 2024 and SeptemberÂ 30, 2024, payable balances with related parties were immaterial. 11. Income taxesIn determining quarterly provisions for income taxes, the Company uses the annual estimated effective tax rate applied to the actual year-to-date profit or loss, adjusted for discrete items arising in that quarter. For the three months ended DecemberÂ 31, 2024 and 2023, the Company recorded provisions for income taxes of $0.1 million and $0.1 million, respectively. 12. Common stockAs of DecemberÂ 31, 2024, the Company had reserved sufficient shares of common stock, with a par value of $0.00001 per share, for issuance upon exercise of outstanding stock options. Each share of common stock is entitled to one vote. The holders of shares of common stock are also entitled to receive dividends whenever funds are legally available and when declared by the board of directors.13. Stock-based compensationStock-based compensation expenseThe Company recorded stock-based compensation expense in the condensed consolidated statement of operations and comprehensive loss for the periods presented as follows (in thousands):Three months endedDecember 31,(in thousands)20242023Cost of revenues$1,206Â $924Â Research and development2,7392,838Selling, general and administrative8,0467,258Total stock-based compensation expense$11,991Â $11,020Â 17Table of ContentsAn immaterial amount of stock-based compensation expense was capitalized to property and equipment related to capitalized software development costs for the three months ended DecemberÂ 31, 2024 and 2023. Restricted stock unitsA summary of the Companyâ€™s restricted stock unit activity excluding the performance-based restricted stock units during the three months ended DecemberÂ 31, 2024 was as follows:(in thousands, except per share data)SharesWeighted average grant date fair value per shareNonvested shares at September 30, 20241,964$32.13Â Granted1,01647.34Vested/Issued(224)39.03Forfeited(132)31.82Nonvested shares at December 31, 20242,624$37.44Â As of DecemberÂ 31, 2024, there was $91.7 million of total unrecognized compensation cost related to these awards that is expected to be recognized over a weighted average period of 3.1 years. The total grant date fair value of the restricted stock units excluding performance-based restricted units awarded during the three months ended DecemberÂ 31, 2024 was $48.1 million. Performance stock unitsDuring the three months ended DecemberÂ 31, 2024, the Company granted additional performance-based restricted stock units to executives and employees that will vest upon achievement of multiple year revenue, gross profit, and profitability metrics as determined by the board of directors. Stock compensation expense for these awards is recorded over the vesting period based on the grant date fair value of the awards and probability of the achievement of specified performance targets. The grant date fair value is equal to the closing share price of the Companyâ€™s common stock on the date of grant. These awards will vest from a minimum of 10 months to a maximum of 34 months service period following the grant date, provided that the recipient is a Company employee at the time of vesting and the performance targets applicable to each award are achieved. The percentage of these awards that vest will depend on the achievement of specified performance targets at the end of the performance period and can range from 0% to 140% of the number of units granted. A summary of the Companyâ€™s performance-based restricted stock units during the three months ended DecemberÂ 31, 2024 was as follows:(in thousands, except per share data)SharesWeighted average grant date fair value per shareNonvested shares at September 30, 20241,167$27.01Â Granted1,29847.85Vested/Issued(312)44.89Forfeited(90)20.83Nonvested shares at December 31, 20242,063$37.69Â As of DecemberÂ 31, 2024, the unrecognized compensation costs related to these awards was $66.4Â million based on the maximum achievement of the performance targets. The Company expects to recognize those costs over a weighted average period of 2.0 years. The total grant date fair value of performance-based restricted stock units awarded during the three months ended DecemberÂ 31, 2024 was $62.1Â million.Stock options A summary of the Companyâ€™s stock option activity excluding the performance-based stock options during the three months ended DecemberÂ 31, 2024 was as follows:18Table of Contents(in thousands, except per share data)SharesWeighted average exercise price per shareWeighted average remaining contractual term (years)Aggregate intrinsic valueOutstanding at September 30, 20241,619Â $24.51Â 4.27$36,798Â Forfeited(2)41.64â€”Â â€”Â Exercised(169)17.41â€”Â 4,881Â Outstanding at December 31, 20241,447Â Â $25.31 4.09$33,816Â Vested and exercisable at December 31, 20241,445Â $25.19Â 4.09$33,816Â As of DecemberÂ 31, 2024, the unrecognized compensation costs related to these awards was $0.1Â million. The Company expects to recognize those costs over a weighted average period of 0.8 years. Performance stock optionsA summary of the Companyâ€™s performance-based stock option activity during the three months ended DecemberÂ 31, 2024 was as follows:(in thousands, except per share data)SharesWeighted average exercise price per shareWeighted average remaining contractual term (years)Aggregate intrinsic valueOutstanding at September 30, 2024273$59.83Â 6.39$1,042Â Outstanding at December 31, 2024273$59.83Â 6.13$1,139Â Vested and exercisable at DecemberÂ 31, 2024243$63.36Â 5.99$683Â As of DecemberÂ 31, 2024, the unrecognized compensation costs related to these awards was $0.1Â million. The Company expects to recognize those costs over a weighted average period of 0.3 years. As of DecemberÂ 31, 2024, the Company determined that 30,000 shares of common stock are expected to vest based on the probability of the performance condition that will be achieved under this equity award program.2018 Employee Stock Purchase PlanThe number of shares of the Company's common stock reserved for issuance under the 2018 Employee Stock Purchase Plan ("ESPP") at DecemberÂ 31, 2024 was as follows:(In thousands)SharesavailableOutstanding at SeptemberÂ 30, 2024611Additional shares authorized249Shares issued during the periodâ€”Â Outstanding at DecemberÂ 31, 2024860During the three months ended DecemberÂ 31, 2024, ESPP expenses of $0.5 million was recognized. During the three months ended DecemberÂ 31, 2023, activity under the 2018 ESPP was immaterial. 14. Net loss per shareThe following table sets forth the computation of the Companyâ€™s basic and diluted net loss per share:19Table of ContentsThree months endedDecember 31,(in thousands, except per share data)20242023Numerator:Net loss$(31,594)$(43,008)Denominator:Weighted average shares used in computing net loss per share, basic and diluted59,16257,497Net loss per share, basic and diluted(0.53)(0.75)The potentially dilutive common shares that were excluded from the calculation of diluted net loss per share because their effect would have been antidilutive for the periods presented are as follows:Three months endedDecember 31,(in thousands)20242023Shares subject to options (including performance options) to purchase common stock1,7192,253Unvested restricted stock units and performance stock units 4,6863,824Shares subject to employee stock purchase plan68124Total6,4746,20115. Liability related to the sales of future revenue On October 21, 2024, the Company executed the Royalty Purchase Agreement with XOMA (US) LLC ("XOMA Royalty"). Under the Royalty Purchase Agreement, XOMA Royalty provided Twist Bioscience an upfront payment of $15.0Â million in cash in exchange for the right to receive half of the future potential milestone and royalty payments resulting from certain antibody discovery and biopharma services agreements between the Company and its customers ("underlying customer agreements"). The terms of the underlying customer agreements provide for milestone and royalty payments to the Company contingent upon the Company's customers achieving certain clinical, regulatory, development and commercial milestones. Under the terms of the underlying customer agreements, the Company has significant continuing involvement as the Company has ongoing obligations such as services to support the generation of these milestone and royalty payments. As such, the Company applied the guidance under ASC 470, Debt, and

recorded the upfront payment of $15.0Â million as a liability related to the sale of future revenue, which will be amortized using the effective interest method over the estimated term of the Royalty Purchase agreement.As milestone and royalty payments are remitted to XOMA Royalty, the balance of the liability related to the sale of future revenue will be effectively repaid over the term of the Royalty Purchase Agreement. In addition, in accordance with ASC 470, Debt, the Company will account for any milestone and royalty payments received in the future as revenue.The estimate of the effective interest rate contains significant assumptions regarding the timing and amount of expected milestone and royalty payments, which are considered Level 3 fair value inputs, and impact the interest expense that will be recognized over the term of the Royalty Purchase Agreement. As of DecemberÂ 31, 2024, the Company's estimate of aggregate future milestone and royalty payments expected to be paid to XOMA Royalty over the term of the Royalty Purchase Agreement did not exceed $15.0Â million, therefore, no imputed interest expense has been recorded during the three months ended DecemberÂ 31, 2024.* * * * *20Table of ContentsItem 2. Managementâ€™s discussion and analysis of financial condition and results of operationsYou should read the following discussion and analysis of our financial condition and results of operations together with the unaudited condensed consolidated financial statements and related notes that are included elsewhere in this Quarterly Report on Form 10-Q and our Annual Report on Form 10-K. This discussion contains forward-looking statements based upon current plans, expectations and beliefs that involve risks and uncertainties. Our actual results may differ materially from those anticipated in these forward-looking statements as a result of various factors, including, but not limited to, those discussed in the section entitled â€œRisk Factorsâ€ and elsewhere in this Quarterly Report on Form 10-Q. In preparing this MD&A, we presume that readers have access to and have read the MD&A in our Annual Report on Form 10-K, pursuant to Instruction 2 to paragraph (b) of Item 303 of Regulation S-K.OverviewWe are a leading, rapidly growing synthetic biology company that has developed a disruptive DNA synthesis platform to industrialize the engineering of biology. The core of our platform is a proprietary technology that pioneers a new method of manufacturing synthetic DNA by â€œwritingâ€ DNA on a silicon chip. We have combined our silicon-based DNA writing technology with proprietary software, scalable commercial infrastructure and an e-commerce platform to create an integrated technology platform that enables us to achieve high levels of quality, precision, automation, and manufacturing throughput at a significantly lower cost than our competitors. We have applied our unique technology to manufacture a broad range of synthetic DNA-based products, including synthetic genes, tools for next generation sequencing, or NGS, sample preparation, and antibody libraries for drug discovery and development, all designed to enable our customers to conduct research more efficiently and effectively. Leveraging our same technology, we have expanded our footprint beyond DNA synthesis to manufacture synthetic RNA as well as antibody proteins to disrupt and innovate within larger market opportunities, in addition to discovery partnerships for biologic drugs and developing completely new applications for synthetic DNA, such as digital data storage.We believe our products enable a broad range of applications that may ultimately improve health and the sustainability of the planet across multiple industries including healthcare, chemicals/materials, food/agriculture, academic research, and technology. We sell our synthetic DNA and synthetic DNA-based products to a customer base of approximately 3,562 customers annually across a broad range of industries. In order to address this diverse customer base, we employ a multi-channel strategy comprised of a direct sales force targeting synthetic DNA customers, a direct sales force focusing on the NGS market and an e-commerce platform that serves both commercial channels. We employ business development and sales representatives for our biopharma solutions as well. Our easy-to-use e-commerce platform allows customers to design, validate, and place on-demand orders of customized DNA online, and enables them to receive real-time customized quotes for their products and track their order status through the manufacturing and delivery process. This is a critical part of our strategy to address our large markets and diverse customer base, as well as drive commercial productivity, enhance the customer experience, and promote loyalty.We currently generate revenue through our synthetic biology and NGS tools product lines as well as biopharma services for antibody discovery, optimization and development. Since our inception, we have incurred net losses each year. Our net losses for the three months ended DecemberÂ 31, 2024 was $31.6 million compared to $43.0 million for the three months ended DecemberÂ 31, 2023. As of DecemberÂ 31, 2024 we have accumulated net deficit of $1,273.5 million and cash, cash equivalents and short-term investments of $270.8 million. Our ability to generate product revenue sufficient to achieve profitability will depend heavily on the success of our existing products and the development and commercialization of additional products in the synthetic biology, biologic drug and data storage industries as well as leveraging our investment in our manufacturing facility in Wilsonville, Oregon.Financial highlights from three months ended DecemberÂ 31, 2024 compared to the three months ended DecemberÂ 31, 2023 include the following:â€¢Revenue growth of 24% to $88.7 million from $71.5 million, primarily due to order growth in NGS tools and synthetic genes; â€¢Gross margin increased to 48.3% from 40.5% mainly due to increase in revenue and the fixed costs being spread over a larger revenue base;â€¢Loss from operations decreased to $31.6 million from $43.0 million primarily due to increases in revenue and gross profit; 21Table of Contentsâ€¢The net loss per share, basic and diluted, has decreased to $0.53, a significant improvement from the previous net loss per share of $0.75;â€¢Net cash used in operating activities decreased to $21.4 million from $23.0 million. Results of operationsComparison of the three months ended DecemberÂ 31, 2024 and 2023RevenuesThree months endedDecember 31,(in thousands, except percentages)Â 20242023Change%Revenues$88,713Â $71,498Â $17,215Â 24Â %Revenues by geographyWe have one reportable segment from the manufacturing of synthetic DNA products. The following table shows our revenues by geography, based on our customersâ€™ shipping addresses. Americas consists of United States, Canada, Mexico and South America; EMEA consists of Europe, Middle East and Africa; and APAC consists of Japan, China, South Korea, India, Singapore, Malaysia, Australia, New Zealand, Thailand and Taiwan.Three months ended December 31,(in thousands, except percentages)2024% 2023%
Americas$53,709Â 61Â %$43,959Â 61Â %EMEA28,30432Â %21,22030Â %APAC6,7008Â %6,3199Â %Total revenues$88,713Â 100Â %$71,498Â 100Â %Revenues by productThe table below summarized revenues by product:Three months ended December 31,(in thousands, except percentages)2024% 2023% Synthetic genes$26,485Â 30Â %$19,726Â 28Â %Oligo pools5,094Â 6Â %4,1896Â %DNA libraries2,794Â 3Â %2,9394Â %Antibody discovery5,698Â 6Â %5,2267Â %NGS tools48,642Â 55Â %39,41855Â %Total revenues$88,713Â 100Â %$71,498Â 100Â %Revenues by industryThe table below summarized revenues by industry:22Table of ContentsThree months ended December 31,(in thousands, except percentages)2024% 2023% Industrial chemicals/materials$21,203Â 24Â %$16,277Â 23Â %Academic research17,546Â 20Â %13,77319Â %Healthcare49,369Â 56Â %40,88157Â %Food/agriculture595Â 1Â %5671Â %Total revenues$88,713Â 100Â %$71,498Â 100Â %Product shipments including synthetic genesThe table below summarized product shipments including synthetic genes:Three months endedDecember 31,September 30,June 30,March 31,December 31,September 30,June 30,March 31,(in thousands)20242024202420242023202320232023Number of genes shipped20519621219317117717152The number of customers who purchased products from us were approximately 2,376 and 2,140 customers for the three months ended DecemberÂ 31, 2024 and 2023, respectively.Revenues increased 24% to $88.7 million for the three months ended DecemberÂ 31, 2024, as compared to $71.5 million for the three months ended DecemberÂ 31, 2023. The increase in revenue primarily reflects growth in NGS tools revenue of $9.2 million and growth in synthetic genes revenue of $6.8 million, including the Express Genes offering, which is primarily attributable to increase in revenues from our customers in the healthcare, industrial chemicals/materials and academic research industries and an increase in the number of customers. The number of our genes shipped in the three months ended DecemberÂ 31, 2024 increased to approximately 205,000 genes compared to approximately 171,000 genes in the three months ended DecemberÂ 31, 2023, an increase of 20%. Cost of revenuesThree months endedDecember 31,(in thousands, except percentages)20242023Change%Cost of revenues$45,873Â $42,536Â $3,337Â 8Â %Gross profit $42,840Â $28,962Â $13,878Â 48Â %Gross margin48.3Â %40.5Â %7.8Â %Cost of revenues increased 8% to $45.9 million for the three months ended DecemberÂ 31, 2024, as compared to $42.5 million for the three months ended DecemberÂ 31, 2023. The increase is primarily attributable to an increase in material costs of $4.6 million due to higher sales volume which was offset by a decrease in depreciation and amortization expense of $1.3 million due to impairment of long-lived assets in fiscal year 2024. Gross margin increased 778 basis points to 48.3% for the three months ended DecemberÂ 31, 2024 as compared to 40.5% for the three months ended DecemberÂ 31, 2023 mainly due to increase in revenue and the fixed costs being spread over a larger revenue base.Research and development expensesThree months endedDecember 31,(in thousands, except percentages)20242023Change%Research and development$21,307Â $23,099Â $(1,792)(8)%Research and development expenses decreased 8% to $21.3 million for the three months ended DecemberÂ 31, 2024, as compared to $23.1 million for the three months ended DecemberÂ 31, 2023. The decrease is primarily due to a decrease in 23Table of Contentsoutside service costs of $0.9 million, lab supplies costs of $0.3 million, depreciation and amortization expenses of $0.4 million and personnel costs of $0.2 million. Selling, general and administrativeThree months endedDecember 31,(in thousands, except percentages)20242023Change% Selling, general and administrative$56,177Â $52,840Â $3,337Â 6Â %Total selling, general and administrative expenses increased 6% to $56.2 million for the three months ended DecemberÂ 31, 2024, as compared to $52.8 million for the three months ended DecemberÂ 31, 2023. The increase is primarily due to an increase in personnel costs of $1.4 million, including stock-based compensation expense of $0.8 million and an increase in third party spending of $1.9M related to outside services, marketing costs and other expenses.Interest and other income (expense), netThree months endedDecember 31,(in thousands, except percentages)20242023Change%Interest income$3,240Â $4,120Â $(880)(21)%Interest expense(24)â€”Â (24)100Â %Other expense(69)(31)(38)123Â %Total interest and other income (expense), net$3,147Â $4,089Â $(942)(23)%Interest income decreased 21% to $3.2 million for the three months ended DecemberÂ 31, 2024, as compared to $4.1 million for the three months ended DecemberÂ 31, 2023, due to lower cash equivalents and short-term investments balance. Income tax expenseThree months endedDecember 31,(in thousands, except percentages)20242023Change%Income tax expense(97)(120)$23Â (19)%We recorded an income tax provision of $0.1 million and $0.1 million for the three months ended DecemberÂ 31, 2024 and DecemberÂ 31, 2023, respectively.Liquidity and capital resourcesSources of liquidityTo date, we have financed our operations principally through public equity raises, private placements of our convertible preferred stock, borrowings from credit facilities and revenue from our commercial operations. At DecemberÂ 31, 2024, we had a balance of $221.4 million of cash and cash equivalents and $49.4 million in short-term investments.During the three months ended December 31, 2024, we received an upfront payment of $15.0Â million from XOMA (US) LLC ("XOMA") in cash in exchange for XOMA's right to receive half of the future potential milestone and royalty payments resulting from existing antibody discovery and biopharma services collaborations with Companyâ€™s partners. We accounted for the transaction as liability for the sale of future revenue under the accounting guidance for sale of future revenues (see note 15 of the condensed consolidated financial statements included elsewhere in this Form 10-Q).Operating capital requirements24Table of ContentsOur primary uses of capital are, and we expect will continue to be for the near future, compensation and related expenses, manufacturing costs, laboratory and related supplies, legal and other regulatory expenses and general overhead costs and capital expenditures. We had $5.9 million in commitments for capital expenditures as of DecemberÂ 31, 2024.Cash flowsThe following table summarizes our sources and uses of cash and cash equivalents:Three months endedDecember 31,(in thousands)20242023Net cash used in operating activities$(21,428)$(22,973)Net cash provided by (used in) investing activities(1,536)4,165Â Net cash provided by financing activities17,944Â (1,473)Operating activitiesNet cash used in operating activities was $21.4 million during the three months ended DecemberÂ 31, 2024 primarily due to a net loss of $31.6 million adjusted for non-cash items including depreciation and amortization expense of $6.4 million, stock-based compensation expense of $12.0 million and a net cash outflow from operating assets and liabilities of $8.2 million. The net cash outflow from operating assets and liabilities was mainly due to an increase in accounts receivable of $4.5 million due to timing of collections, a decrease in accrued compensation of $11.9Â million offset by increases in accrued expenses of $3.1 million and accounts payable of $5.7 million. The changes in accrued compensation, accrued expenses, and accounts payable are due to timing of payments to vendors and employees.Net cash used in operating activities was $23.0 million in the three months ended December 31, 2023 primarily due a net loss of $43.0 million adjusted for non-cash items including depreciation and amortization expenses of $8.2 million and stock-based compensation expense of $11.0 million and a net cash inflow from operating assets and liabilities of $0.5 million. The net cash inflow from operating assets and liabilities was mainly due to decreases in accounts receivable of $8.1 million, inventories of $1.2 million, and other non-current assets of $0.3 million and an increase in accrued expenses of $2.9 million, offset by an increase in prepaid expenses and other current assets of $1.1 million and decreases in accounts payable of $4.2 million, accrued compensation of $5.1 million and other liabilities of $1.5 million.Investing activitiesNet cash used in investing activities was $1.5 million during the three months ended DecemberÂ 31, 2024, which consisted of the purchases of laboratory property, equipment and computers of $2.3 million offset by the proceeds from the net impact of purchases and maturity of investments of $0.7 million.In the three months ended December 31, 2023, our investing activities provided net cash of $4.2 million, which was comprised of the proceeds from the net impact of purchases and maturity of investments of $5.7 million, offset by the purchases of laboratory property, equipment and computers of $1.5 million.Financing activitiesNet cash provided by financing activities was $17.9 million in the three months ended DecemberÂ 31, 2024, which consisted of $15.0 million from sale of future revenue and $3.0 million from the exercise of stock options. Net cash used in financing activities was $1.5 million in the three months ended December 31, 2023, which consisted of $2.4 million in repurchases of common stock for income tax withholdings, offset by $1.0 million from the exercise of stock options.Off-balance sheet arrangementsWe do not have any off-balance sheet arrangements.Contractual obligations and other commitmentsOur contractual obligations have not materially changed from those reported in our Annual Report on Form 10-K. 25Table of ContentsCritical accounting policies and significant management estimatesThe preparation of our Condensed Consolidated Financial Statements in accordance with generally accepted accounting principles in the United States of America requires management to make estimates and judgments that affect the reported amounts in the financial statements and related disclosures. On an ongoing basis, we evaluate our significant accounting policies and estimates. We base our estimates on historical experience and on various market-specific and other relevant assumptions that we believe to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Estimates are assessed each period and updated to reflect current information. Actual results may differ significantly from these estimates. A summary of our critical accounting policies and estimates is presented in Part II, Item 7 of our Annual Report on Form 10-K. There were no changes to our critical accounting policies and estimates during the three months ended DecemberÂ 31, 2024. Recent issued accounting pronouncementsFor a description of accounting changes and recent accounting pronouncements, including the expected dates of adoption and estimated effects, if any, on our condensed consolidated financial statements, see Note 2, â€œSummary of significant accounting policiesâ€ in Item 1 of Part I of this Form 10-Q.Item 3. Quantitative and qualitative disclosures about market riskInformation about our market risk is presented in Part II, Item 7A â€œQuantitative and Qualitative Disclosures about Market Riskâ€ of our Annual Report on Form 10-K. Our exposure to market risk has not changed materially since SeptemberÂ 30, 2024.Item 4. Controls and ProceduresEvaluation of Disclosure Controls and ProceduresUnder the supervision and with the participation of our management, including our Chief Executive Officer and Chief Financial Officer, we evaluated the effectiveness of our disclosure controls and procedures (as that term is defined in Rules 13a-15(e) and 15d-15(e) under the Exchange Act) as of DecemberÂ 31, 2024, which is the end of the period covered by this Quarterly Report. Based on this evaluation, the Chief Executive Officer and Chief Financial Officer concluded that the Companyâ€™s disclosure controls and procedures to ensure that information required to be disclosed by the Company in reports we file or submit under the Exchange Act is (i) recorded, processed, summarized, evaluated and reported, as applicable, within the time periods specified in the SECâ€™s rules and forms and (ii) accumulated and communicated to the Companyâ€™s management, including the Companyâ€™s Chief Executive Officer and Chief Financial Officer, as appropriate to allow timely decisions regarding required disclosures were effective as of DecemberÂ 31, 2024.Changes in Internal Control over Financial ReportingThere were no changes in our internal control over financial reporting identified in connection with the evaluation required by Rule 13a-15(d) and 15d-15(d) of the Exchange Act that occurred during the quarter ended DecemberÂ 31, 2024, that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.Limitations on Effectiveness of Controls and ProceduresOur disclosure controls and procedures are designed to provide reasonable assurance of achieving their objectives, as specified above. Our management recognizes that any control system, no matter how well designed and operated, is based upon certain judgments and assumptions and cannot provide absolute assurance that its objectives will be met.PART II. Other informationItem 1. Legal proceedingsFor a description of material pending legal proceedings, see Note 6 â€œCommitments and Contingencies - Legal Mattersâ€ of the Notes to Condensed Consolidated Financial Statements included in Part I, Item 1 of this Quarterly Report on Form 10-Q. In addition, we are subject to various legal proceedings and claims arising in the ordinary course of business.

Although occasional adverse decisions or settlements may occur, management believes that the final disposition of such matters will not have a material adverse effect on our business, financial position, results of operations or cash flows.26Table of ContentsItem 1A. Risk factorsIn addition to the other information set forth in this Quarterly Report on Form 10-Q, you should carefully consider the risk factors and other cautionary statements described under the heading â€œItem 1A. Risk Factorsâ€ included in our Annual Report on Form 10-K filed with the SEC on NovemberÂ 18, 2024, which could materially affect our business, financial condition or future results. Additional risks and uncertainties not currently known to us or that we currently deem to be immaterial also may materially and adversely affect our business, financial condition or future results. There have been no material changes in our risk factors from those described in our Annual Report on Form 10-K. We may disclose changes to risk factors or additional risk factors from time to time in our future filings with the SEC.Item 2. Unregistered sales of equity securities and use of proceedsSales of unregistered securities None. Item 3. Defaults upon senior securitiesNone.Item 4. Mine safety disclosuresNot applicable.Item 5. Other informationRule 10b5-1 Trading PlansDuring the fiscal quarter ended DecemberÂ 31, 2024, none of our directors or officers (as defined in Rule 16a-1(f) of the Exchange Act) informed us of the adoption, modification or termination of a â€œRule 10b5-1 trading arrangementâ€ or a â€œnon-Rule 10b5-1 trading arrangementâ€Â (both as defined in Item 408(a) of Regulation S-K).27Table of ContentsItem 6. ExhibitsExhibitNumberDescriptionÂ Filed / Furnished /Incorporated fromForm Incorporated by Reference from Exhibit Number10.1Consulting Agreement dated October 8, 2024 by and between Twist Bioscience Corporation and James Thorburn.10-K10.1331.1Certification pursuant to Section 302 of the Sarbanes-Oxley Act of 2002, Rule 13(a)-14(a)/15d-14(a), by Chief Executive Officer.Filed herewith31.2Certification pursuant to Section 302 of the Sarbanes-Oxley Act of 2002, Rule 13(a)-14(a)/15d-14(a), by Chief Financial Officer.Filed herewith32.1â€ Certification pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, by Chief Executive Officer.Furnished herewith32.2â€ Certification pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, by Chief Financial Officer.Furnished herewith101The following materials from Twist Bioscience Corporationâ€™s Quarterly Report on Form 10-Q for the quarter ended DecemberÂ 31, 2024, formatted in iXBRL (inline eXtensible Business Reporting Language): (i) the Condensed Consolidated Balance Sheets, (ii) the Condensed Consolidated Statements of Operations and Comprehensive Loss, (iii) the Condensed Consolidated Balance Sheets, (iv) the Condensed Consolidated Statements of Stockholdersâ€™ Equity, (v) the Condensed Consolidated Statements of Cash Flows, and (vi) Notes to Unaudited Condensed Consolidated Financial Statements, tagged as blocks of text.Filed herewith104The cover page from the Companyâ€™s Quarterly Report on Form 10-Q for the quarter ended DecemberÂ 31, 2024, formatted in Inline XBRL (included in Exhibit 101).Filed herewithâ€ The certifications attached as Exhibits 32.1 and 32.2 that accompany this Quarterly Report on Form 10-Q are not deemed filed with the SEC and are not to be incorporated by reference into any filing of Twist Bioscience Corporation under the Securities Act of 1933, as amended, or the Securities Exchange Act of 1934, as amended, whether made before or after the date of this Quarterly Report on Form 10-Q, regardless of any general incorporation language contained in any filing.28Table of ContentsSIGNATURESPursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.February 3, 2025Twist Bioscience CorporationBy:/s/ Adam LaponisAdam LaponisChief Financial Officer(Authorized officer)29 EX-31.1 2 twst-20241231x10qxex311.htm EX-31.1 DocumentExhibit 31.1Certification of Principal Executive Officerpursuant toExchange Act Rules 13a-14(a) and 15d-14(a),as adopted pursuant toSection 302 of the Sarbanes-Oxley Act of 2002I, Emily M. Leproust, certify that:1.I have reviewed this Quarterly Report on Form 10-Q of Twist Bioscience Corporation for the quarter ended DecemberÂ 31, 2024;2.Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;3.Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;4.The registrantâ€™s other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:a.Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;b.Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;c.Evaluated the effectiveness of the registrantâ€™s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; andd.Disclosed in this report any change in the registrantâ€™s internal control over financial reporting that occurred during the registrantâ€™s most recent fiscal quarter (the registrantâ€™s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrantâ€™s internal control over financial reporting.5.The registrantâ€™s other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrantâ€™s auditors and the audit committee of registrantâ€™s board of directors (or persons performing the equivalent functions):a.All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrantâ€™s ability to record, process, summarize and report financial information; andb.Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrantâ€™s internal control over financial reporting./s/ Emily M. LeproustEmily M. LeproustChief Executive Officer(Principal Executive Officer)Date: FebruaryÂ 3, 2025 EX-31.2 3 twst-20241231x10qxex312.htm EX-31.2 DocumentExhibit 31.2Certification of Principal Financial Officerpursuant toExchange Act Rules 13a-14(a) and 15d-14(a),as adopted pursuant toSection 302 of the Sarbanes-Oxley Act of 2002I, Adam Laponis, certify that:1.I have reviewed this Quarterly Report on Form 10-Q of Twist Bioscience Corporation for the quarter ended DecemberÂ 31, 2024;2.Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;3.Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;4.The registrantâ€™s other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:a.Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;b.Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;c.Evaluated the effectiveness of the registrantâ€™s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; andd.Disclosed in this report any change in the registrantâ€™s internal control over financial reporting that occurred during the registrantâ€™s most recent fiscal quarter (the registrantâ€™s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrantâ€™s internal control over financial reporting.5.The registrantâ€™s other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrantâ€™s auditors and the audit committee of registrantâ€™s board of directors (or persons performing the equivalent functions):a.All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrantâ€™s ability to record, process, summarize and report financial information; andb.Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrantâ€™s internal control over financial reporting./s/ Adam LaponisAdam LaponisChief Financial OfficerDate: FebruaryÂ 3, 2025 EX-32.1 4 twst-20241231x10qxex321.htm EX-32.1 DocumentExhibit 32.1CERTIFICATION OF PRINCIPAL EXECUTIVE OFFICERPURSUANT TO 18 U.S.C. SECTION 1350,AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEYACT OF 2002In connection with the Quarterly Report of Twist Bioscience Corporation (the â€œCompanyâ€) on Form 10-Q for the quarterly period ended DecemberÂ 31, 2024, as filed with the Securities and Exchange Commission on the date hereof (the â€œReportâ€), I, Emily M. Leproust, Chief Executive Officer of the Company, certify, pursuant to 18 U.S.C. Â§ 1350, as adopted pursuant to Â§906 of the Sarbanes-Oxley Act of 2002, that:1.The Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended; and2.The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.Date: FebruaryÂ 3, 2025/s/ Emily M. LeproustEmily M. LeproustChief Executive Officer(Principal Executive Officer) EX-32.2 5 twst-20241231x10qxex322.htm EX-32.2 DocumentExhibit 32.2CERTIFICATION OF PRINCIPAL FINANCIAL OFFICERPURSUANT TO 18 U.S.C. SECTION 1350,AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEYACT OF 2002In connection with the Quarterly Report of Twist Bioscience Corporation (the â€œCompanyâ€) on Form 10-Q for the quarterly period ended DecemberÂ 31, 2024, as filed with the Securities and Exchange Commission on the date hereof (the â€œReportâ€), I, Adam Laponis, Chief Financial Officer of the Company, certify, pursuant to 18 U.S.C. Â§ 1350, as adopted pursuant to Â§906 of the Sarbanes-Oxley Act of 2002, that:1.The Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended; and2.The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.Date: FebruaryÂ 3, 2025/s/ Adam LaponisAdam LaponisChief Financial Officer EX-101.SCH 6 twst-20241231.xsd XBRL TAXONOMY EXTENSION SCHEMA DOCUMENT 0000001 - Document - Cover Page link:presentationLink link:calculationLink link:definitionLink 9952151 - Statement - Condensed Consolidated Balance Sheets (unaudited) link:presentationLink link:calculationLink link:definitionLink 9952152 - Statement - Condensed Consolidated Balance Sheets (unaudited) (Parenthetical) link:presentationLink link:calculationLink link:definitionLink 9952153 - Statement - Condensed Consolidated Statements of Operations and Comprehensive Loss (unaudited) link:presentationLink link:calculationLink link:definitionLink 9952154 - Statement - Condensed Consolidated Statements of Operations and Comprehensive Loss (unaudited) (Parenthetical) link:presentationLink link:calculationLink link:definitionLink 9952155 - Statement - Condensed Consolidated Statements of Stockholdersâ€™ Equity (unaudited) link:presentationLink link:calculationLink link:definitionLink 9952156 - Statement - Condensed Consolidated Statements of Cash Flows (unaudited) link:presentationLink link:calculationLink link:definitionLink 9952157 - Disclosure - Organization and description of business link:presentationLink link:calculationLink link:definitionLink 9952158 - Disclosure - Summary of significant accounting policies link:presentationLink link:calculationLink link:definitionLink 9952159 - Disclosure - Revenue link:presentationLink link:calculationLink link:definitionLink 9952160 - Disclosure - Cash and Cash Equivalents link:presentationLink link:calculationLink link:definitionLink 9952161 - Disclosure - Fair value measurement link:presentationLink link:calculationLink link:definitionLink 9952162 - 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Adjustments to reconcile net loss to net cash used in operating activities Adjustments to Reconcile Net Income (Loss) to Cash Provided by (Used in) Operating Activities [Abstract] Range [Domain] Statistical Measurement [Domain] Work-in-process Inventory, Work in Process, Gross Related party transactions Related Party Transactions Disclosure [Text Block] Gross unrealized losses Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Loss, before Tax Lease, Cost Lease, Cost [Table Text Block] Thereafter Lessee, Operating Lease, Liability, to be Paid, after Year Four 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). Cover [Abstract] Cover [Abstract] 2018 ESPP Two Thousand And Eighteen Employee Stock Purchase Plan [Member] Two thousand and eighteen employee stock purchase plan. Net decrease in cash, cash equivalents, and restricted cash Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect Schedule of Future Minimum Rental Payments for Operating Leases Lessee, Operating Lease, Liability, to be Paid, Maturity [Table Text Block] Other current liabilities Other current liabilities Other Liabilities, Current Trading Symbol Trading Symbol Segment Reporting Information [Line Items] Segment Reporting Information [Line Items] All Trading Arrangements All Trading Arrangements [Member] Cash and Cash Equivalent [Table] Cash and Cash Equivalent [Table] Compensation Actually Paid vs. Net Income Compensation Actually Paid vs. Net Income [Text Block] Non-NEOs Non-NEOs [Member] Summary of Computation of the Company's Basic and Diluted Net Loss Per Share Attributable to Common Stockholders Schedule of Earnings Per Share, Basic and Diluted [Table Text Block] Vesting period Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Period Rule 10b5-1 Arrangement Adopted Rule 10b5-1 Arrangement Adopted [Flag] Awards Close in Time to MNPI Disclosures Awards Close in Time to MNPI Disclosures [Table] Income taxes paid, net of refunds Income Taxes Paid, Net Pay vs Performance Disclosure [Line Items] Peer Group Total Shareholder Return Amount Peer Group Total Shareholder Return Amount Laboratory equipment Laboratory Equipment [Member] Laboratory equipment Member Accounts receivable, net Increase (Decrease) in Accounts Receivable Organization and description of business Organization, Consolidation and Presentation of Financial Statements Disclosure [Text Block] Non-Rule 10b5-1 Arrangement Adopted Non-Rule 10b5-1 Arrangement Adopted [Flag] Fair value measurement Fair Value Disclosures [Text Block] Change in unrealized gain (loss) on investments OCI, Debt Securities, Available-for-Sale, Unrealized Holding Gain (Loss), before Adjustment, after Tax Award Timing Disclosures [Line Items] Other Performance Measure, Amount Other Performance Measure, Amount Schedule of Nonvested Restricted Stock Units Activity Schedule of Nonvested Restricted Stock Units Activity [Table Text Block] Leases Lessee, Operating Leases [Text Block] Common stock, outstanding (in shares) Beginning balance (in shares) Ending balance (in shares) Common Stock, Shares, Outstanding Schedule of Acquired Finite-Lived Intangible Asset by Major Class [Table] Schedule of Acquired Finite-Lived Intangible Asset by Major Class [Table] Operating lease costs Operating Lease, Cost Operating lease liability, net of current portion Operating lease liabilities, net of current portion Operating Lease, Liability, Noncurrent Interest receivable Interest Receivable Fair value, measurement with unobservable inputs reconciliation, recurring basis, asset, impairment Fair Value, Measurement with Unobservable Inputs Reconciliation, Recurring Basis, Asset, Impairment Fair Value, Measurement with Unobservable Inputs Reconciliation, Recurring Basis, Asset, Impairment Revenue from Contract with Customer [Abstract] Plan Name [Domain] Plan Name [Domain] Other non-current assets Other Assets, Noncurrent Entity Tax Identification Number Entity Tax Identification Number Leases [Abstract] Gross carrying amount Finite-Lived Intangible Assets, Gross Antidilutive Securities, Name [Domain] Antidilutive Securities, Name [Domain] Money market funds Money Market Funds [Member] Selling, general and administrative Selling, General and Administrative Expenses [Member] Net cash used in operating activities Net Cash Provided by (Used in) Operating Activities Cash flows from operating activities Net Cash Provided by (Used in) Operating Activities [Abstract] Income and other taxes payable Taxes Payable, Current U.S. government treasury bills US Treasury Securities [Member] Plan Name [Axis] Plan Name [Axis] Equity Components [Axis] Equity Components [Axis] Award Timing Method Award Timing Method [Text Block] Trading Arrangements, by Individual Trading Arrangements, by Individual [Table] U.S. government treasury bills Debt Securities, Available-for-Sale Acquired Finite-Lived Intangible Assets [Line Items] Acquired Finite-Lived Intangible Assets [Line Items] Synthetic genes Synthetic Genes [Member] Synthetic genes. Entity Common Stock, Shares Outstanding Entity Common Stock, Shares Outstanding Insider Trading Policies and Procedures [Line Items] Use of estimates Use of Estimates, Policy [Policy Text Block] Total operating expenses Costs and Expenses Adjustment to Compensation, Amount Adjustment to Compensation Amount Aggregate intrinsic value, outstanding beginning balance Aggregate intrinsic value, outstanding ending balance Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Intrinsic Value Compensation Amount Outstanding Recovery Compensation Amount Aggregate Change in Present Value of Accumulated Benefit for All Pension Plans Reported in Summary Compensation Table Aggregate Change in Present Value of Accumulated Benefit for All Pension Plans Reported in Summary Compensation Table [Member] Entity Small Business Entity Small Business Developed Technology Developed Technology Rights [Member] Company Selected Measure Amount Company Selected Measure Amount Cash, cash equivalents and investments, fair value Cash, Cash Equivalents, and Short-Term And Long-Term Investments Cash, Cash Equivalents, and Short-Term And Long-Term Investments Geographical [Axis] Geographical [Axis] Aggregate Intrinsic Value Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Aggregate Intrinsic Value [Abstract] Tabular List, Table Tabular List [Table Text Block] Level 3 Fair Value, Inputs, Level 3 [Member] Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] EMEA EMEA [Member] Proceeds from the issuance of liability related to sale of future revenue Proceeds from Issuance of Other Long-Term Debt Aggregate Grant Date Fair Value of Equity Award Amounts Reported in Summary Compensation Table Aggregate Grant Date Fair Value of Equity Award Amounts Reported in Summary Compensation Table [Member] Accrued expenses Accrued Liabilities, Current Antidilutive securities excluded from computation of earnings per share amount (in shares) Antidilutive Securities Excluded from Computation of Earnings Per Share, Amount Cash, cash equivalent and investments Cash, Cash Equivalents, and Short-Term Investments [Text Block] Cash, cash equivalents, and restricted cash at beginning of period Cash, cash equivalents, and restricted cash at end of period Total cash, cash equivalents and restricted cash Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents Unrecognized compensation cost, stock options Share-Based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Amount Current assets: Assets, Current [Abstract] Goodwill Balance at beginning of year Balance at end of year Goodwill Accounts receivable, allowance for credit loss Accounts Receivable, Allowance for Credit Loss DNA libraries Dna And Biopharma Libraries [Member] DNA and Biopharma Libraries. Forgone Recovery due to Disqualification of Tax Benefits, Amount Forgone Recovery due to Disqualification of Tax Benefits, Amount Product and Service [Domain] Product and Service [Domain] Option Share-Based Payment Arrangement, Option [Member] Vested (in usd per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period, Weighted Average Grant Date Fair Value Goodwill [Roll Forward] Goodwill [Roll Forward] Depreciation Depreciation Fair Value Disclosures [Abstract] Fair Value Disclosures [Abstract] 2026 Lessee, Operating Lease, Liability, to be Paid, Year One Schedule of Antidilutive Securities Excluded from Computation of Earnings Per Share [Table] Antidilutive Security, Excluded EPS Calculation [Table] Comprehensive loss Comprehensive Income (Loss), Net of Tax, Attributable to Parent NGS tools Ngs Tools [Member] NGS Tools Member Security Exchange Name Security Exchange Name Award Type [Axis] Award Type [Axis] Summary of Revenue by Geographic Region Schedule of Revenue from External Customers and Long-Lived Assets, by Geographical Areas [Table Text Block] Numerator: Earnings Per Share, Basic [Abstract] Cumulative Effect, Period of Adoption, Adjustment Cumulative Effect, Period of Adoption, Adjustment [Member] Exercised (in dollars per share) Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Exercises in Period, Weighted Average Exercise Price Number of Shares Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Number of Shares [Roll Forward] Property and equipment, net Property and equipment, net Property, Plant and Equipment, Net Total liabilities Liabilities Summary of Cash and Cash Equivalents Schedule of Cash and Cash Equivalents [Table Text Block] Vested and exercisable (in usd per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercisable, Weighted Average Exercise Price Other comprehensive loss: Comprehensive Income (Loss), Net of Tax, Attributable to Parent [Abstract] Common stock, par value (in usd per share) Common Stock, Par or Stated Value Per Share Forgone Recovery, Explanation of Impracticability Forgone Recovery, Explanation of Impracticability [Text Block] Summary of Debt Securities Available-for-Sale Debt Securities, Available-for-Sale [Table Text Block] Research and development Research and Development Expense Schedule of Share-based Compensation Arrangements by Share-based Payment Award [Table] Schedule of Share-Based Compensation Arrangements by Share-Based Payment Award [Table] Expiration Date Trading Arrangement Expiration Date Cash flows from investing activities Net Cash Provided by (Used in) Investing Activities [Abstract] Goodwill and Intangible Assets Disclosure [Abstract] Goodwill and Intangible Assets Disclosure [Abstract] Current portion of operating lease liability Less: current portion Operating Lease, Liability, Current Total Shareholder Return Amount Total Shareholder Return Amount Common stock, issued (in shares) Common Stock, Shares, Issued Equity Awards Adjustments, Footnote Equity Awards Adjustments, Footnote [Text Block] Computer equipment Computer Equipment [Member] Insider Trading Policies and Procedures Adopted Insider Trading Policies and Procedures Adopted [Flag] Less: Accumulated depreciation and amortization Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment Property and equipment, gross Property, Plant and Equipment, Gross Exercise of stock options (in shares) Exercised (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercises in Period Named Executive Officers, Footnote Named Executive Officers, Footnote [Text Block] Weighted average exercise price per share Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Exercise Price [Abstract] Research and development Research and Development Expense [Member] Common stock, authorized (in shares) Common Stock, Shares Authorized Cash Cash [Member] Basis of presentation Basis of Accounting, Policy [Policy Text Block] Weighted average shares used in computing net loss per share attributable to common stockholdersâ€"diluted (in shares) Weighted average shares used in computing net loss per share, diluted (in shares) Weighted Average Number of Shares Outstanding, Diluted Grant date fair value Share-Based Compensation Arrangement By Share-Based Payment Award, Equity Instruments Other Than Options, Grant Date Fair Value Share-Based Compensation Arrangement By Share-Based Payment Award, Equity Instruments Other Than Options, Grant Date Fair Value MNPI Disclosure Timed for Compensation Value MNPI Disclosure Timed for Compensation Value [Flag] Total stockholdersâ€™ equity Beginning balance Ending balance Equity, Attributable to Parent Liability related to the sales of future royalties Collaborative Arrangement Disclosure [Text Block] Related Party Related Party [Member] Cash and Cash Equivalents [Line Items] Cash and Cash Equivalents [Line Items] Balance Sheet Location [Axis] Statement of Financial Position Location, Balance [Axis] Interest expense Interest Expense, Nonoperating Schedule of Goodwill balance Schedule of Goodwill [Table Text Block] Computer software Software and Software Development Costs [Member] Selling, general and administrative Selling, General and Administrative Expense Schedule of Supplemental Balance Sheet Information Relating to Companies Operating Lease Supplemental Balance Sheet Information Relating To Companies Operating Lease [Table Text Block] Supplemental balance sheet information relating to companies operating lease [Table text block]. Accounts receivable, net Accounts Receivable, after Allowance for Credit Loss, Current Cost of revenues Cost of Sales [Member] Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Other liabilities Increase (Decrease) in Other Operating Liabilities Pension Adjustments Prior Service Cost Pension Adjustments Prior Service Cost [Member] Summary of Company's Financial Assets and Liabilities Measured at Fair Value on a Recurring Basis Fair Value Measurements, Recurring and Nonrecurring [Table Text Block] Document Fiscal Period Focus Document Fiscal Period Focus All Executive Categories All Executive Categories [Member] Balance Sheet Location [Domain] Statement of Financial Position Location, Balance [Domain] Share-Based Compensation Arrangement By Share-based Payment Award, Outstanding [Roll Forward] Share-Based Compensation Arrangement By Share-based Payment Award, Outstanding [Roll Forward] Share-Based Compensation Arrangement By Share-based Payment Award, Outstanding Changed Peer Group, Footnote Changed Peer Group, Footnote [Text Block] Outstanding Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Remaining Contractual Term Vest outstanding (in shares) Share Based Compensation By Share Based Payment Arrangement Instruments Other Than Options Expected To Vest Outstanding Share based compensation by share based payment arrangement instruments other than options expected to vest outstanding. Assets Assets: Assets [Abstract] Other comprehensive income (loss) Other Comprehensive Income (Loss), Net of Tax Document Type Document Type Pension Benefits Adjustments, Footnote Pension Benefits Adjustments, Footnote [Text Block] Total Shareholder Return Vs Peer Group Total Shareholder Return Vs Peer Group [Text Block] Weighted average remaining contractual term (years), Exercisable Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercisable, Weighted Average Remaining Contractual Term Oligo pools Oligo Pools [Member] Oligo pools. Short term investments, Amortized cost Debt Securities, Available-for-Sale, Amortized Cost Vesting of restricted stock units (in shares) Vested/Issued (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period Contract with Customer, Contract Asset, Contract Liability, and Receivable Contract with Customer, Contract Asset, Contract Liability, and Receivable [Table Text Block] Maximum Maximum [Member] Total amortization expense related to intangible assets Amortization of Intangible Assets Contract with customer, liability Contract with Customer, Liability Equity Valuation Assumption Difference, Footnote Equity Valuation Assumption Difference, Footnote [Text Block] Furniture, fixtures and other equipment Furniture and Fixtures [Member] Intangible assets, net Finite-Lived Intangible Assets, Net Antidilutive Securities [Axis] Antidilutive Securities [Axis] Accounts payable Accounts Payable, Current Accounting Policies [Abstract] Accounting Policies [Abstract] Summary of Stock Option Valuation Assumptions Schedule of Share-Based Payment Award, Stock Options, Valuation Assumptions [Table Text Block] Current Fiscal Year End Date Current Fiscal Year End Date Less: imputed interest Lessee, Operating Lease, Liability, Undiscounted Excess Amount Short-term investments Short-Term Investments Statistical Measurement [Axis] Statistical Measurement [Axis] PEO Name PEO Name Non-Rule 10b5-1 Arrangement Terminated Non-Rule 10b5-1 Arrangement Terminated [Flag] Loss before income taxes Income (Loss) from Continuing Operations before Income Taxes, Noncontrolling Interest Shares issued during the period (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Shares Issued in Period Non-PEO NEO Average Total Compensation Amount Non-PEO NEO Average Total Compensation Amount Equity Award [Domain] Award Type [Domain] Name Outstanding Recovery, Individual Name Variable lease costs Variable Lease, Cost Summary of Calculation of Diluted Net Loss Per Share Schedule of Antidilutive Securities Excluded from Computation of Earnings Per Share [Table Text Block] Compensation Actually Paid vs. Company Selected Measure Compensation Actually Paid vs. Company Selected Measure [Text Block] Non-PEO NEO Non-PEO NEO [Member] Title of Individual [Axis] Title and Position [Axis] Weighted average Amortization period in years Finite-Lived Intangible Asset, Useful Life Additional paid-in capital Additional Paid-in Capital [Member] Award Timing Predetermined Award Timing Predetermined [Flag] Restricted cash, non-current Restricted Cash, Noncurrent Customer Relationships Customer Relationships [Member] Recent accounting pronouncements New Accounting Pronouncements, Policy [Policy Text Block] Net loss per share attributable to common stockholdersâ€"diluted (in usd per share) Net loss per share attributable to common stockholders, diluted (in usd per share) Earnings Per Share, Diluted Title of Individual [Domain] Title and Position [Domain] Finite-Lived Intangible Assets by Major Class [Axis] Finite-Lived Intangible Assets by Major Class [Axis] Accumulated amortization Finite-Lived Intangible Assets, Accumulated Amortization Name Measure Name Entity Interactive Data Current Entity Interactive Data Current Schedule of Nonvested Performance-based Units Activity Schedule of Nonvested Performance-Based Units Activity [Table Text Block] Restatement does not require Recovery Restatement Does Not Require Recovery [Text Block] Percentage of PSUs that may vest based on performance Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Rights, Percentage Statement of Financial Position [Abstract] Statement of Financial Position [Abstract] U.S. government treasury bills US Treasury Bill Securities [Member] Stock-based compensation Share-Based Payment Arrangement, Noncash Expense Net loss Net Income (Loss), Including Portion Attributable to Noncontrolling Interest Equity

Method Investments Equity Method Investments [Member] Income tax expense Income tax benefit Income Tax Expense (Benefit) Supplemental disclosure of cash flow information Supplemental Cash Flow Information [Abstract] Equity securities, FV-NI Equity Securities, FV-NI Recognize cost weighted average period Share-Based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Period for Recognition Statement of Comprehensive Income [Abstract] Statement of Comprehensive Income [Abstract] Liability related to the sale of future revenue Other Long-Term Debt Net cash (used in) provided by investing activities Net Cash Provided by (Used in) Investing Activities Loss from operations Operating Income (Loss) Additional shares authorized (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Number of Additional Shares Authorized Total liabilities and stockholdersâ€™ equity Liabilities and Equity Subsequent events Subsequent Events [Text Block] Rule 10b5-1 Arrangement Terminated Rule 10b5-1 Arrangement Terminated [Flag] All Adjustments to Compensation All Adjustments to Compensation [Member] Fair Value Hierarchy and NAV [Axis] Fair Value Hierarchy and NAV [Axis] Accrued compensation Employee-related Liabilities, Current Prepaid expenses and other current assets Increase (Decrease) in Prepaid Expense and Other Assets Additional paid-in capital Additional Paid in Capital Commitments and Contingencies Disclosure [Abstract] Commitments and Contingencies Disclosure [Abstract] Interest income Investment Income, Interest Finite-Lived Intangible Assets, Major Class Name [Domain] Finite-Lived Intangible Assets, Major Class Name [Domain] Performance Stock Unit Performance Stock Unit [Member] Performance Stock Unit Executive Officers and Senior Level Employees Executive Officers And Senior Level Employees [Member] Executive officers and senior level employees. Underlying Security Market Price Change Underlying Security Market Price Change, Percent Individual: Individual [Axis] Repurchases of common stock for income tax withholding Share-Based Payment Arrangement, Decrease for Tax Withholding Obligation Accumulated Other comprehensive loss AOCI Attributable to Parent [Member] Forfeited (in usd per share) Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Forfeitures in Period, Weighted Average Exercise Price Balance Sheet Related Disclosures [Abstract] Balance Sheet Related Disclosures [Abstract] Inventories Total inventories Inventory, Net Product and Service [Axis] Product and Service [Axis] Entity Address, State or Province Entity Address, State or Province Property, Plant and Equipment [Line Items] Property, Plant and Equipment [Line Items] Statement [Line Items] Statement [Line Items] Erroneous Compensation Analysis Erroneous Compensation Analysis [Text Block] Antibody discovery Antibody Discovery [Member] Antibody discovery Operating expenses: Operating Expenses [Abstract] Summary of Property, Plant and Equipment Property, Plant and Equipment [Table Text Block] Compensation Actually Paid vs. Total Shareholder Return Compensation Actually Paid vs. Total Shareholder Return [Text Block] Financial Instruments [Domain] Financial Instruments [Domain] Beginning balance (in usd per share) Ending balance (in usd per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Weighted Average Grant Date Fair Value Liabilities and stockholdersâ€™ equity Liabilities and Equity [Abstract] Fair value, measurement with unobservable inputs reconciliation, recurring basis, liability value Fair Value, Measurement with Unobservable Inputs Reconciliation, Recurring Basis, Liability Value APAC Asia Pacific [Member] Minimum Minimum [Member] Restatement Determination Date Restatement Determination Date 2024 ESPP Two Thousand And Twenty Four Stock Purchase Plan [Member] Two Thousand And Twenty Four Stock Purchase Plan Adoption Date Trading Arrangement Adoption Date Pay vs Performance Disclosure Pay vs Performance Disclosure [Table] Related Party Transactions [Abstract] Related Party Transactions [Abstract] Property, Plant and Equipment [Table] Property, Plant and Equipment [Table] Beginning balance (in usd per share) Ending balance (in usd per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Exercise Price Unvested restricted stock units and performance stock units Unvested Restricted Stock Units And Performance Stock Units [Member] Unvested Restricted Stock Units And Performance Stock Units Operating lease right-of-use assets Operating lease right-of-use asset Operating Lease, Right-of-Use Asset Erroneously Awarded Compensation Recovery Erroneously Awarded Compensation Recovery [Table] Beginning balance (in shares) Ending balance (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Number Change in Fair Value as of Vesting Date of Prior Year Equity Awards Vested in Covered Year Change in Fair Value as of Vesting Date of Prior Year Equity Awards Vested in Covered Year [Member] Total cash, cash equivalents and investments, amortized cost Cash And Cash Equivalents And Short Term Investments Amortized Cost Cash And Cash Equivalents And Short Term Investments Amortized Cost. Exercise Price Award Exercise Price Liability related to the sale of future revenue Liability Related To The Sale Of Future Revenue [Policy Text Block] Liability Related To The Sale Of Future Revenue Net loss per share attributable to common stockholders Earnings Per Share [Text Block] Accrued compensation Increase (Decrease) in Employee Related Liabilities Arrangement Duration Trading Arrangement Duration Exercise of stock options Stock Issued During Period, Value, Stock Options Exercised Academic research Academic Research [Member] Academic research. Goodwill and intangible assets Goodwill and Intangible Assets Disclosure [Text Block] Stockholdersâ€™ equity Equity, Attributable to Parent [Abstract] Granted (in usd per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Grants in Period, Weighted Average Grant Date Fair Value Peer Group Issuers, Footnote Peer Group Issuers, Footnote [Text Block] Material Terms of Trading Arrangement Material Terms of Trading Arrangement [Text Block] All Individuals All Individuals [Member] Tradenames & Trademarks Trademarks and Trade Names [Member] PEO PEO [Member] Income Tax Disclosure [Abstract] Income Tax Disclosure [Abstract] Name Trading Arrangement, Individual Name Other income (expense), net Other Nonoperating Income (Expense) Statement of Stockholders' Equity [Abstract] Statement of Stockholders' Equity [Abstract] Long-Lived Tangible Asset [Axis] Long-Lived Tangible Asset [Axis] Gross unrealized gains Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Gain, before Tax Repurchases of common stock for income tax withholding Payments To Repurchases Of Common Stock For Tax Withholding Payments To Repurchases Of Common Stock For Tax Withholding Other non-current assets Increase (Decrease) in Other Noncurrent Assets Proceeds from exercise of stock options Proceeds, Issuance of Shares, Share-Based Payment Arrangement, Including Option Exercised Shares subject to employee stock purchase plan Shares Subject To Employee Stock Purchase Plan [Member] Represents shares subject to employee stock purchase plan. Awards Close in Time to MNPI Disclosures, Table Awards Close in Time to MNPI Disclosures [Table Text Block] Assets Assets, Fair Value Disclosure [Abstract] Beginning balance (in shares) Ending balance (in shares) Common Stock, Capital Shares Reserved for Future Issuance Prior Year End Fair Value of Equity Awards Granted in Any Prior Year that Fail to Meet Applicable Vesting Conditions During Covered Year Prior Year End Fair Value of Equity Awards Granted in Any Prior Year that Fail to Meet Applicable Vesting Conditions During Covered Year [Member] Related Party [Domain] Related and Nonrelated Parties [Domain] Money market funds Cash and Cash Equivalents, Fair Value Disclosure Aggregate Erroneous Compensation Amount Aggregate Erroneous Compensation Amount Industrial chemicals/materials Industrial Chemicals [Member] Industrial Chemicals. Local Phone Number Local Phone Number Prepaid Expenses and Other Current Assets Prepaid Expenses and Other Current Assets [Member] Liability Class [Axis] Liability Class [Axis] Aggregate Erroneous Compensation Not Yet Determined Aggregate Erroneous Compensation Not Yet Determined [Text Block] Number of votes per share Common Stock, Number Of Votes Per Share Common Stock, Number Of Votes Per Share Americas Americas [Member] Weighted average remaining contractual term (years) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Additional Disclosures [Abstract] Changes in assets and liabilities: Increase (Decrease) in Operating Capital [Abstract] Cumulative Effect, Period of Adoption [Domain] Cumulative Effect, Period of Adoption [Domain] Noncurrent liabilities: Liabilities, Noncurrent [Abstract] Liability related to the sale of future revenue Liabilities Related To Sale Of Future Revenue, Noncurrent Liabilities Related To Sale Of Future Revenue, Noncurrent PEO Total Compensation Amount PEO Total Compensation Amount Equity securities, FV-NI, cost Equity Securities, FV-NI, Cost Long-Lived Tangible Asset [Domain] Long-Lived Tangible Asset [Domain] Income Statement Location [Axis] Statement of Income Location, Balance [Axis] Fair Value Of Assets And Liabilities Measured On Non Recurring Basis [Line Items] Fair Value Of Assets And Liabilities Measured On Non Recurring Basis [Line Items] Fair Value Of Assets And Liabilities Measured On Non Recurring Basis [Line Items] Impairment Impairment of Intangible Assets, Finite-Lived Commitments and contingencies Commitments and Contingencies Disclosure [Text Block] Common stock Common Stock [Member] Measure: Measure [Axis] Forgone Recovery due to Expense of Enforcement, Amount Forgone Recovery due to Expense of Enforcement, Amount Entity Emerging Growth Company Entity Emerging Growth Company Other inventory, materials, supplies and merchandise under consignment, gross Other Inventory, Materials, Supplies and Merchandise under Consignment, Gross Repurchases of common stock for income tax withholding (in shares) Share-Based Payment Arrangement, Shares Withheld for Tax Withholding Obligation Entity Central Index Key Entity Central Index Key Summary of Inventories Schedule of Inventory, Current [Table Text Block] Non-GAAP Measure Description Non-GAAP Measure Description [Text Block] Non-PEO NEO Average Compensation Actually Paid Amount Non-PEO NEO Average Compensation Actually Paid Amount Summary of Revenue by Industry Schedule Of Revenue From External Customers And Long Lived Assets By Industry [Table Text Block] Tabular disclosure of revenue from external customers and long lived assets by industry. Common stock Equity [Text Block] Award Timing, How MNPI Considered Award Timing, How MNPI Considered [Text Block] Equity Component [Domain] Equity Component [Domain] Financial Instrument [Axis] Financial Instrument [Axis] Accounting standards update Accounting Standards Update [Extensible Enumeration] Additional 402(v) Disclosure Additional 402(v) Disclosure [Text Block] Stock-based compensation APIC, Share-Based Payment Arrangement, Increase for Cost Recognition Entity Shell Company Entity Shell Company Entity Incorporation, State or Country Code Entity Incorporation, State or Country Code Title Trading Arrangement, Individual Title Statement [Table] Statement [Table] Summary of significant accounting policies Significant Accounting Policies [Text Block] City Area Code City Area Code Current liabilities: Liabilities, Current [Abstract] Insider Trading Policies and Procedures Not Adopted Insider Trading Policies and Procedures Not Adopted [Text Block] Level 1 Fair Value, Inputs, Level 1 [Member] Foreign currency translation adjustment Other Comprehensive Income (Loss), Foreign Currency Transaction and Translation Adjustment, Net of Tax Total current assets Assets, Current Statement of Cash Flows [Abstract] Statement of Cash Flows [Abstract] Non-cash investing and financing activities Noncash Investing and Financing Items [Abstract] Accrued expenses Increase (Decrease) in Accrued Liabilities Industry Sectors [Domain] Industry Sectors [Domain] Industry sectors. Number of options, Exercisable (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercisable, Number Schedule of Segment Reporting Information, by Segment [Table] Schedule of Segment Reporting Information, by Segment [Table] Weighted average grant date fair value per share Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Weighted Average Grant Date Fair Value [Abstract] Income taxes Income Tax Disclosure [Text Block] 2029 Lessee, Operating Lease, Liability, to be Paid, Year Four Earnings Per Share [Abstract] Earnings Per Share [Abstract] Summary of Revenue by Product Revenue from External Customers by Products and Services [Table Text Block] Equity [Abstract] Equity [Abstract] Accumulated deficit Accumulated deficit Retained Earnings (Accumulated Deficit) Related Party Transaction [Line Items] Related Party Transaction [Line Items] Inventories Increase (Decrease) in Inventories Employee Employee [Member] Employee Organization, Consolidation and Presentation of Financial Statements [Abstract] Organization, Consolidation and Presentation of Financial Statements [Abstract] Aggregate Available Trading Arrangement, Securities Aggregate Available Amount Equity Awards Adjustments Equity Awards Adjustments [Member] Lease weighted average discount rate Operating Lease, Weighted Average Discount Rate, Percent Total operating lease liabilities Operating Lease, Liability Net cash (used in) provided by financing activities Net Cash Provided by (Used in) Financing Activities Underlying Securities Award Underlying Securities Amount Contract liabilities Deferred Revenue, Current Amendment Flag Amendment Flag Entity Registrant Name Entity Registrant Name Adjustment to Non-PEO NEO Compensation Footnote Adjustment to Non-PEO NEO Compensation Footnote [Text Block] Stock Appreciation Rights (SARs) Stock Appreciation Rights (SARs) [Member] Depreciation and amortization Depreciation, Depletion and Amortization Summary of Cash, Cash Equivalents and Restricted Cash Restrictions on Cash and Cash Equivalents [Table Text Block] Fair Value as of Grant Date Award Grant Date Fair Value Subsequent Events [Abstract] Subsequent Events [Abstract] Vehicles Vehicles [Member] Level 2 Fair Value, Inputs, Level 2 [Member] Fair Value Hierarchy and NAV [Domain] Fair Value Hierarchy and NAV [Domain] Geographical [Domain] Geographical [Domain] Recovery of Erroneously Awarded Compensation Disclosure [Line Items] Entity Address, Postal Zip Code Entity Address, Postal Zip Code Schedule of Stock-Based Compensation Expenses Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table Text Block] Principles of Consolidation Consolidation, Policy [Policy Text Block] Equity securities, FV-NI, unrealized loss Equity Securities, FV-NI, Unrealized Loss Restatement Determination Date: Restatement Determination Date [Axis] Title of 12(b) Security Title of 12(b) Security Common stock, $0.00001 par value â€”100,000 and 100,000 shares authorized at DecemberÂ 31, 2024 and SeptemberÂ 30, 2024, respectively; 59,582 and 58,877 shares issued and outstanding at DecemberÂ 31, 2024 and SeptemberÂ 30, 2024, respectively Common Stock, Value, Issued Share-based Payment Arrangement [Abstract] Share-Based Payment Arrangement [Abstract] Cash and cash equivalents Cash and Cash Equivalents, at Carrying Value Year-over-Year Change in Fair Value of Equity Awards Granted in Prior Years That are Outstanding and Unvested Year-over-Year Change in Fair Value of Equity Awards Granted in Prior Years That are Outstanding and Unvested [Member] Forfeited (in usd per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Forfeitures, Weighted Average Grant Date Fair Value Raw materials Inventory, Raw Materials, Gross Fair Value by Liability Class [Domain] Fair Value by Liability Class [Domain] Cash flows from financing activities Net Cash Provided by (Used in) Financing Activities [Abstract] Year-end Fair Value of Equity Awards Granted in Covered Year that are Outstanding and Unvested Year-end Fair Value of Equity Awards Granted in Covered Year that are Outstanding and Unvested [Member] Equity securities, FV-NI, unrealized gain Equity Securities, FV-NI, Unrealized Gain Proceeds from maturity of investments Proceeds from Sale, Maturity and Collection of Investments Finished goods Inventory, Finished Goods, Gross Shares Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding [Roll Forward] Cash and Cash Equivalents [Domain] Cash and Cash Equivalents [Domain] Shares subject to options (including performance options) to purchase common stock Employee Stock [Member] Net loss per share attributable to common stockholdersâ€”basic (in usd per share) Earnings Per Share, Basic Accounts payable Increase (Decrease) in Accounts Payable Cash payments included in the measurement of operating lease liabilities Operating Lease, Payments Adjustment To PEO Compensation, Footnote Adjustment To PEO Compensation, Footnote [Text Block] Award Timing MNPI Disclosure Award Timing MNPI Disclosure [Text Block] Property and equipment additions included in accounts payable and accrued expenses Capital Expenditures Incurred but Not yet Paid Aggregate Pension Adjustments Service Cost Aggregate Pension Adjustments Service Cost [Member] Compensation Actually Paid vs. Other Measure Compensation Actually Paid vs. Other Measure [Text Block] Total current liabilities Liabilities, Current Vesting Date Fair Value of Equity Awards Granted and Vested in Covered Year Vesting Date Fair Value of Equity Awards Granted and Vested in Covered Year [Member] Unrecognized compensation cost, options Share-Based Payment Arrangement, Nonvested Award, Option, Cost Not yet Recognized, Amount Total assets Assets Granted (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Grants in Period Industry Sectors [Axis] Industry Sectors [Axis] Information by industry sector. Cash and Cash Equivalents [Abstract] Purchases of property and equipment Payments to Acquire Property, Plant, and Equipment Other non-current liabilities Other Liabilities, Noncurrent Forgone Recovery due to Violation of Home Country Law, Amount Forgone Recovery due to Violation of Home Country Law, Amount Cumulative Effect, Period of Adoption [Axis] Cumulative Effect, Period of Adoption [Axis] Commitments and contingencies (Note 6) Commitments and Contingencies Termination Date Trading Arrangement Termination Date Schedule of Related Party Transactions, by Related Party [Table] Related Party Transaction [Table] Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] 2027 Lessee, Operating Lease, Liability, to be Paid, Year Two Stock-based compensation Share-Based Payment Arrangement [Text Block] Entity Address, City or Town Entity Address, City or Town Schedule of Activity Under Option and Performance Stock Options Share-Based Payment Arrangement, Option, Activity [Table Text Block] Exercised Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercises in Period, Intrinsic Value Stock based compensation expense Share-Based Payment Arrangement, Expense Leasehold improvements Leaseholds and Leasehold Improvements [Member] Net loss Net loss attributable to common stockholders Net loss Net Income (Loss) Attributable to Parent Trading Arrangement: Trading Arrangement [Axis] Revenues Revenue Revenue from Contract with Customer, Including Assessed Tax Pay vs Performance Disclosure, Table Pay vs Performance [Table Text Block] Other current liabilities Other Liabilities, Current, Other Than Contingent Consideration and Taxes Amount of liabilities classified as other, due within one year or the normal operating cycle, if longer, other business acquisition contingent consideration and taxes payable. Forfeited (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Forfeited in Period Summary of Intangible Assets Schedule of Finite-Lived Intangible Assets [Table Text Block] Equity Awards Adjustments, Excluding Value Reported in Compensation Table Equity Awards Adjustments, Excluding Value Reported in the

Compensation Table [Member] Dividends or Other Earnings Paid on Equity Awards not Otherwise Reflected in Total Compensation for Covered Year Dividends or Other Earnings Paid on Equity Awards not Otherwise Reflected in Total Compensation for Covered Year [Member] Entity File Number Entity File Number Cash and Cash Equivalents [Axis] Cash and Cash Equivalents [Axis] Revenue Revenue from Contract with Customer [Text Block] Document Fiscal Year Focus Document Fiscal Year Focus Entity Address, Address Line One Entity Address, Address Line One Denominator: Weighted Average Number of Shares Outstanding Reconciliation [Abstract] Effect of exchange rates on cash, cash equivalents and restricted cash Effect of Exchange Rate on Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Continuing Operations Total financial assets Assets, Fair Value Disclosure Name Forgone Recovery, Individual Name Aggregate intrinsic value, Vested and exercisable Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercisable, Intrinsic Value Remainder of 2025 Lessee, Operating Lease, Liability, to be Paid, Remainder of Fiscal Year Lease weighted-average remaining lease term Operating Lease, Weighted Average Remaining Lease Term Document Period End Date Document Period End Date Performance Stock Options Performance Stock Options [Member] Performance Stock Options Other non-cash adjustments Other Noncash Income (Expense) Award Timing MNPI Considered Award Timing MNPI Considered [Flag] Total minimum lease payments Lessee, Operating Lease, Liability, to be Paid Beginning balance (in shares) Ending balance (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Number Insider Trading Arrangements [Line Items] Balance sheet components Supplemental Balance Sheet Disclosures [Text Block] Contract with customer, asset, after allowance for credit loss Contract with Customer, Asset, after Allowance for Credit Loss Outstanding Aggregate Erroneous Compensation Amount Outstanding Aggregate Erroneous Compensation Amount 2028 Lessee, Operating Lease, Liability, to be Paid, Year Three PEO Actually Paid Compensation Amount PEO Actually Paid Compensation Amount Raw materials purchased from related party investor Related Party Transaction, Purchases from Related Party Cost of revenues Cost of Revenue Contract with customer, liability, revenue recognized Contract with Customer, Liability, Revenue Recognized Adjustment to Compensation: Adjustment to Compensation [Axis] Prepaid expenses and other current assets Prepaid Expense and Other Assets, Current Healthcare Health Care [Member] Document Transition Report Document Transition Report Document Quarterly Report Document Quarterly Report Fair Value Measurements, Recurring and Nonrecurring [Table] Fair Value, Recurring and Nonrecurring [Table] Accumulated other comprehensive income/(loss) Accumulated Other Comprehensive Income (Loss), Net of Tax Entity Current Reporting Status Entity Current Reporting Status Accumulated deficit Retained Earnings [Member] Pension Adjustments Service Cost Pension Adjustments Service Cost [Member] Related Party [Axis] Related and Nonrelated Parties [Axis] Weighted average shares used in computing net loss per share attributable to common stockholdersâ€"basic (in shares) Weighted average shares used in computing net loss per share, basic (in shares) Weighted Average Number of Shares Outstanding, Basic Stock Price or TSR Estimation Method Stock Price or TSR Estimation Method [Text Block] Restricted Stock Unit Restricted Stock Units (RSUs) [Member] Increase (Decrease) in Stockholders' Equity [Roll Forward] Increase (Decrease) in Stockholders' Equity [Roll Forward] Executive Category: Executive Category [Axis] Purchases of investments Payments to Acquire Investments Name Awards Close in Time to MNPI Disclosures, Individual Name Construction in progress Construction in Progress [Member] Forfeited (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Forfeitures in Period Entity Filer Category Entity Filer Category Summary of Other Current Liabilities Other Current Liabilities [Table Text Block] Revenue, remaining performance obligation, amount Revenue, Remaining Performance Obligation, Amount Income Statement Location [Domain] Statement of Income Location, Balance [Domain] Company Selected Measure Name Company Selected Measure Name Accounting Standards Update 2016-13 [Member] EX-101.PRE 10 twst-20241231_pre.xml XBRL TAXONOMY EXTENSION PRESENTATION LINKBASE DOCUMENT GRAPHIC 11 twst-20241231_g1.jpg 10-Q begin 644 twst-20241231_g1.jpg M_]C_X 02D9)1@ ! @ 0 ! #_VP!# @&!@<&!0@'!P<)"0@*#!0-# L+ M#!D2$P\4'1H?'AT:'!P@)"XG("(L(QP<*#7J#A(6&ÀXB)BI*3E)66EYB9FJ*CI*6FIZBIJK*SM+6VM[BYNL+#Q,7& MQ\C)RM+3U-76U]C9VN'BX^3EYN? HZ>KQ\O/T]?;W^/GZ_\0 'P$ P$! 0$! M 0$! 0 $" P0%!@<("0H+_\0 M1$ @$"! 0#! <%! 0 0)W $" M Q$$!2$Q!A)!40=A<1,B,H$(%$*1H;'!"2,S4O 58G+1"A8D-.$E\1<8&1HF M)R@I*C4V-S@Y.D-$149'2$E*4U155E=865IC9&5F9VAI:G-T=79W>'EZ@H.$ MA8:'B(F*DI.4E9:7F)F:HJ.DI::GJ*FJLK.TM;:WN+FZPL/$Q<;'R,G*TM/4 MU=;7V-G:XN/DY>;GZ.GJ\O/T]?;W^/GZ_]H # ,! (1 Q$ /P#W^BL+4]?L MM%=#>.Z*XR#MR ,X _FK]CJ$6H6J7$;8Q_B&"* +U%9]WJ=K8R01W$@1IY/ M+C]S55_$&F)%=R&Y7%I((YL=F["@#8)QR:A:12S(&!8#.,]*E5 M;BWCNA&) 1ALJ1V-9+^+--BU V3&47&['EA.3[T#.BHIH<,H(Z$9HH Y7QM M9_#<@$7FR>;'@ =@PS72PHJ0H%7:,#BE8;EQ@8ST(J 76;MK?8P95!#8X- K MF%XUMI)? #TMS;Q[[JR83P@#G(KBK72+U[_2K9X9/*UHB]O/QCX@D:-E20QD$_P 6%K>N+L021+L9 MO,;'R]!31))]LF581M7&']:5PN37JH]C.LN2C(0VT-G7WJ>$O\ :5#QC&S(:F"=RX ,44M%!04TK^M%% % M.WM/LPDQ*S;V+9;^'Z4V.VF^RM%/.&=LŸ=1C HHH"Q/;VPAMXXMY;:/O']:G 9$8 Q110 ;1[4;1110 ;13J** "BBB@#_V0$! end XML 13 R1.htm IDEA: XBRL DOCUMENT v3.25.0.1 Cover Page - shares 3 Months Ended Dec. 31, 2024 Jan. 30, 2025 Cover [Abstract] Â Â Document Type 10-Q Â Document Quarterly Report true Â Document Period End Date Dec. 31, 2024 Â Document Transition Report false Â Entity File Number 001-38720 Â Entity Registrant Name Twist Bioscience Corporation Â Entity Incorporation, State or Country Code DE Â Entity Tax Identification Number 46-2058888 Â Entity Address, Address Line One 681 Gateway Blvd Â Entity Address, City or Town South San Francisco Â Entity Address, State or Province CA Â Entity Address, Postal Zip Code 94080 Â City Area Code 800 Â Local Phone Number 719-0671 Â Title of 12(b) Security Common Stock Â Trading Symbol TWST Â Security Exchange Name NASDAQ Â Entity Current Reporting Status Yes Â Entity Interactive Data Current Yes Â Entity Filer Category Large Accelerated Filer Â Entity Small Business false Â Entity Emerging Growth Company false Â Entity Shell Company false Â Entity Common Stock, Shares Outstanding Â 59,651,142 Amendment Flag false Â Entity Central Index Key 0001581280 Â Current Fiscal Year End Date --09-30 Â Document Fiscal Year Focus 2025 Â Document Fiscal Period Focus Q1 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 - 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 - 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 v3.25.0.1 Condensed Consolidated Balance Sheets (unaudited) - USD ($) $ in Thousands Dec. 31, 2024 Sep. 30, 2024 Current assets: Â Â Cash and cash equivalents $ 221,403 $ 226,316 Short-term investments 49,424 50,083 Accounts receivable, net 39,315 34,903 Inventories 23,518 24,078 Prepaid expenses and other current assets 11,649 11,396 Total current assets 345,309 346,776 Property and equipment, net 100,669 102,520 Operating lease right-of-use assets 56,475 58,829 Goodwill 85,811 85,811 Intangible assets, net 14,215 14,478 Restricted cash, non-current 2,656 2,816 Other non-current assets 3,445 3,093 Total assets 608,580 614,323 Current liabilities: Â Â Accounts payable 7,503 1,630 Accrued expenses 20,129 15,104 Accrued compensation 21,742 33,650 Current portion of operating lease liability 15,030 14,805 Other current liabilities 5,242 5,817 Total current liabilities 69,646 71,006 Operating lease liability, net of current portion 67,586 70,221 Liability related to the sale of future revenue 15,000 0 Other non-current liabilities 407 407 Total liabilities 152,639 141,634 Commitments and contingencies (Note 6) Stockholdersâ€™ equity Â Â Common stock, $0.00001 par value â€"100,000 and 100,000 shares authorized at DecemberÂ 31, 2024 and SeptemberÂ 30, 2024, respectively; 59,582 and 58,877 shares issued and outstanding at DecemberÂ 31, 2024 and SeptemberÂ 30, 2024, respectively 0 0 Additional paid-in capital 1,730,092 1,715,119 Accumulated other comprehensive income/(loss) (649) (522) Accumulated deficit (1,273,502) (1,241,908) Total stockholdersâ€™ equity 455,941 472,689 Total liabilities and stockholdersâ€™ equity $ 608,580 $ 614,323 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 allowance for credit loss, of right to consideration from customer for product sold and service rendered in normal course of business,

classified as current. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481990/310-10-45-2 + Details Name: us-gaap_AccountsReceivableNetCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionCarrying value as of the balance sheet date of obligations incurred and payable, pertaining to costs that are statutory in nature, are incurred on contractual obligations, or accumulate over time and for which invoices have not yet been received or will not be rendered. Examples include taxes, interest, rent and utilities. 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_AccruedLiabilitiesCurrent 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 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 - 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 after amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 926 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483154/926-20-50-5 + Details Name: us-gaap_FiniteLivedIntangibleAssetsNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount, after accumulated impairment loss, of asset representing future economic benefit arising from other asset acquired in business combination or from joint venture formation or both, that is not individually identified and separately recognized. + ReferencesReference 1: 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 2: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 24 -Publisher FASB -URI 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longer. + 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/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit 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 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-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 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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 - 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 X - DefinitionAmount of liabilities classified as other, due after 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(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_OtherLiabilitiesNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of long-term debt classified as other. + 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 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 3: 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)(16)(a)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1 + Details Name: us-gaap_OtherLongTermDebt 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 cash restricted as to withdrawal or usage, classified as noncurrent. 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. + 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(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 5 -SubTopic 210 -Topic 954 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477220/954-210-45-5Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8 + Details Name: us-gaap_RestrictedCashNoncurrent 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 investments including trading securities, available-for-sale securities, held-to-maturity securities, and short-term investments classified as other and current. + 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(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 2: 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(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_ShortTermInvestments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit 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 v3.25.0.1 Condensed Consolidated Balance Sheets (unaudited) (Parenthetical) - $ / shares shares in Thousands Dec. 31, 2024 Sep. 30, 2024 Statement of Financial Position [Abstract] Â Â Common stock, par value (usd per share) $ 0.00001 $ 0.00001 Common stock, authorized (in shares) 100,000 100,000 Common stock, issued (in shares) 59,582 58,877 Common stock, outstanding (in shares) 59,582 58,877 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 - 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 v3.25.0.1 Condensed Consolidated Statements of Operations and Comprehensive Loss (unaudited) - USD ($) shares in Thousands, $ in Thousands 3 Months Ended Dec. 31, 2024 Dec. 31, 2023 Statement of Comprehensive Income [Abstract] Â Â Revenues [1] $ 88,713 $ 71,498 Operating expenses: Â Â Cost of revenues 45,873 42,536 Research and development 21,307 23,099 Selling, general and administrative 56,177 52,840 Total operating expenses 123,357 118,475 Loss from operations (34,644) (46,977) Interest income 3,240 4,120 Interest expense (24) 0 Other income (expense), net (69) (31) Loss before income taxes (31,497) (42,888) Income tax expense (97) (120) Net loss (31,594) (43,008) Other comprehensive loss: Â Â Change in unrealized gain (loss) on investments (66) 134 Foreign currency translation adjustment (61) 57 Comprehensive loss $ (31,721) $ (42,817) Net loss per share attributable to common stockholdersâ€"basic (in usd per share) $ (0.53) $ (0.75) Net loss per share attributable to common stockholdersâ€"diluted (in usd per share) $ (0.53) $ (0.75) Weighted average shares used in computing net loss per share attributable to common stockholdersâ€"basic (in shares) 59,162 57,497 Weighted average shares used in computing net loss per share attributable to common stockholdersâ€"diluted (in shares) 59,162 57,497 [1] During the three months ended DecemberÂ 31, 2024, and 2023, the Company had revenues from related parties in the amount of $4.0 million and $2.3 million, respectively. 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 - DefinitionThe aggregate cost of goods produced and sold and services rendered during the reporting period. + 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://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 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/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 7: 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 8: 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 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)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 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)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph 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Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1B + Details Name: us-gaap_CostOfRevenue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionTotal costs of sales and operating expenses for the period. + 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) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_CostsAndExpenses Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit 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 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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 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-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: 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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/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/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 4: 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 5: 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 6: 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 7: 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 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(11)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 9:

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/1943274/2147482810/280-10-50-31Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 235 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-05(b)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477314/942-235-S99-1Reference 11: 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(10)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 12: 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(15)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations. + ReferencesReference 1: 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 2: 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 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231Reference 5: 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 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 6.I.7) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479360/740-10-S99-1Reference 7: 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 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-10Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Subparagraph (a) -SubTopic 20 -Topic 740 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482659/740-20-45-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(h)) -SubTopic 10 -Topic 235 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1 + Details Name: us-gaap_IncomeTaxExpenseBenefit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of interest expense classified as nonoperating. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_InterestExpenseNonoperating Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount before accretion (amortization) of purchase discount (premium) of interest income on nonoperating securities. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 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/2009/role/commonPracticeRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(7)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 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/1943274/2147482810/280-10-50-32 + Details Name: us-gaap_InvestmentIncomeInterest Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit 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 - 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 after tax and reclassification adjustments of gain (loss) on foreign currency translation adjustments, foreign currency transactions designated and effective as economic hedges of a net investment in a foreign entity and intra-entity foreign currency transactions that are of a long-term-investment nature. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10A -Subparagraph (a) -SubTopic 10 -Topic 220 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-10AReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1 + Details Name: us-gaap_OtherComprehensiveIncomeLossForeignCurrencyTransactionAndTranslationAdjustmentNetOfTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount, after tax and before 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_OtherComprehensiveIncomeUnrealizedHoldingGainLossOnSecuritiesArisingDuringPeriodNetOfTax 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. Includes, but is not limited to, cost for computer software product to be sold, leased, or otherwise marketed and writeoff of research and development assets acquired in transaction other than business combination or joint venture formation or both. Excludes 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/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/disclosureRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 730 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482916/730-10-50-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 912 -SubTopic 730 -Name Accounting Standards Codification -Section 25 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479532/912-730-25-1 + Details Name: us-gaap_ResearchAndDevelopmentExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount, including tax collected from customer, of revenue from satisfaction of performance obligation by transferring promised good or service to customer. Tax collected from customer is tax assessed by governmental authority that is both imposed on and concurrent with specific revenue-producing transaction, including, but not limited to, sales, use, value-added and excise. + 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/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 3: 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 4: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (b) -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 (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 924 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 11.L) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479941/924-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-5Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-40Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-4 + Details Name: us-gaap_RevenueFromContractWithCustomerIncludingAssessedTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe aggregate total costs related to selling a firm's product and services, as well as all other general and administrative expenses. Direct selling expenses (for example, credit, warranty, and advertising) are expenses that can be directly linked to the sale of specific products. Indirect selling expenses are expenses that cannot be directly linked to the sale of specific products, for example telephone expenses, Internet, and postal charges. General and administrative expenses include salaries of non-sales personnel, rent, utilities, communication, etc. + 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-S99-2 + Details Name: us-gaap_SellingGeneralAndAdministrativeExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_StatementOfIncomeAndComprehensiveIncomeAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na 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 v3.25.0.1 Condensed Consolidated Statements of Operations and Comprehensive Loss (unaudited) (Parenthetical) - USD ($) $ in Thousands 3 Months Ended Dec. 31, 2024 Dec. 31, 2023 Revenue [1] $ 88,713 $ 71,498 Related Party Â Â Revenue $ 4,000 $ 2,300 [1] During the three months ended DecemberÂ 31, 2024, and 2023, the Company had revenues from related parties in the amount of $4.0 million and $2.3 million, respectively. X - DefinitionAmount, including tax collected from customer, of revenue from satisfaction of performance obligation by transferring promised good or service to customer. Tax collected from customer is tax assessed by governmental authority that is both imposed on and concurrent with specific revenue-producing transaction, including, but not limited to, sales, use, value-added and excise. + 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/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 3: 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 4: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (b) -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 (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 924 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 11.L) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479941/924-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-5Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-40Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-4 + Details Name: us-gaap_RevenueFromContractWithCustomerIncludingAssessedTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - Details Name: us-gaap_RelatedPartyTransactionsByRelatedPartyAxis=us-gaap_RelatedPartyMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 18 R6.htm IDEA: XBRL DOCUMENT v3.25.0.1 Condensed Consolidated Statements of Stockholdersâ€™ Equity (unaudited) - USD ($) shares in Thousands, $ in Thousands Total Cumulative Effect, Period of Adoption, Adjustment Common stock Additional paid-in capital Accumulated Other comprehensive loss Accumulated deficit Accumulated deficit Cumulative Effect, Period of Adoption, Adjustment Beginning balance (in shares) at Sep. 30, 2023 Â Â 57,577 Â Â Â Â Beginning balance at Sep. 30, 2023 $ 623,432 $ (148) $ 0 $ 1,657,222 $ (756) $ (1,033,034) $ (148) Increase (Decrease) in Stockholders' Equity [Roll Forward] Â Â Â Â Â Â Â Â Vesting of restricted stock units (in shares) Â Â 260 Â Â Â Â Exercise of stock options (in shares) Â Â 58 Â Â Â Â Exercise of stock options 951 Â Â 951 Â Â Â Repurchases of common stock for income tax withholding (in shares) Â Â (96) Â Â Â Â Repurchases of common stock for income tax withholding (2,424) Â Â (2,424) Â Â Â Stock-based compensation 11,048 Â Â 11,048 Â Â Â Other comprehensive income (loss) 191 Â Â Â 191 Â Â Net loss (43,008) Â Â Â Â (43,008) Â Ending balance (in shares) at Dec. 31, 2023 Â Â 57,799 Â Â Â Â Ending balance at Dec. 31, 2023 $ 590,042 Â $ 0 1,666,797 (565) (1,076,190) Â Increase (Decrease) in Stockholders' Equity [Roll Forward] Â Â Â Â Â Â Â Â Accounting standards update Accounting Standards Update 2016-13 [Member] Â Â Â Â Â Â Â Beginning balance (in shares) at Sep. 30, 2024 58,877 Â 58,877 Â Â Â Â Beginning balance at Sep. 30, 2024 $ 472,689 Â $ 0 1,715,119 (522) (1,241,908) Â Increase (Decrease) in Stockholders' Equity [Roll Forward] Â Â Â Â Â Â Â Â Vesting of restricted stock units (in shares) Â Â 536 Â Â Â Â Exercise of stock options (in shares) 169 Â 169 Â Â Â Â Exercise of stock options $ 2,950 Â Â 2,950 Â Â Â Â Repurchases of common stock for income tax withholding (6) Â Â (6) Â Â Â Stock-based compensation 12,029 Â Â 12,029 Â Â Â Other comprehensive income (loss) (127) Â Â Â (127) Â Â Net loss $ (31,594) Â Â Â Â (31,594) Â Ending balance (in shares) at Dec. 31, 2024 59,582 Â 59,582 Â Â Â Â Ending balance at Dec. 31, 2024 $ 455,941 Â $ 0 $ 1,730,092 $ (649) $ (1,273,502) Â X - DefinitionIndicates amendment to accounting standards. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476173/280-10-65-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476173/280-10-65-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 9 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482615/740-10-65-9Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 9 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482615/740-10-65-9Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 9 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482615/740-10-65-9Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 105 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479343/105-10-65-7Reference 8: 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 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (d)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 848 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483550/848-10-65-2Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 18: 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 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (d)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (d)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic

848 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (a)(3)(iii)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483550/848-10-65-2Reference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 848 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (a)(3)(iii)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483550/848-10-65-2Reference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 848 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483550/848-10-65-2Reference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 848 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483550/848-10-65-2Reference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 848 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483550/848-10-65-1Reference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 8 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479832/842-10-65-8Reference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 405 -SubTopic 50 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477123/405-50-65-1Reference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 13 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482477/820-10-65-13Reference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 13 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482477/820-10-65-13Reference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 5 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479654/326-10-65-5Reference 34: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 5 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479654/326-10-65-5Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 5 -Subparagraph (b)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479654/326-10-65-5Reference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 20 -Name Accounting Standards Codification -Section 65 -Paragraph 6 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480528/815-20-65-6Reference 37: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 20 -Name Accounting Standards Codification -Section 65 -Paragraph 6 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480528/815-20-65-6Reference 38: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 20 -Name Accounting Standards Codification -Section 65 -Paragraph 6 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480528/815-20-65-6Reference 39: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 20 -Name Accounting Standards Codification -Section 65 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479845/805-20-65-3Reference 40: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 20 -Name Accounting Standards Codification -Section 65 -Paragraph 3 -Subparagraph (b) -Publisher FASB -URI 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https://asc.fasb.org/1943274/2147483443/250-10-50-1 + Details Name: us-gaap_AccountingStandardsUpdateExtensibleList Namespace Prefix: us-gaap_ Data Type: enum2:enumerationSetItemType Balance Type: na Period Type: duration X - DefinitionAmount of decrease to equity for grantee's tax withholding obligation for award under share-based payment arrangement. + ReferencesNo definition available. + Details Name: us-gaap_AdjustmentsRelatedToTaxWithholdingForShareBasedCompensation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration 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 - 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 - 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 - DefinitionAmount after tax and reclassification adjustments of other comprehensive income (loss). + 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://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 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481674/830-30-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 17 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481694/830-30-45-17Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 6: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-4Reference 7: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-5Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 20 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481694/830-30-45-20Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 11: 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 12: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 55 -Paragraph 15 -SubTopic 10 -Topic 220 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482739/220-10-55-15Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1A + Details Name: us-gaap_OtherComprehensiveIncomeLossNetOfTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe consolidated profit or loss for the period, net of income taxes, including the portion attributable to the noncontrolling interest. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI

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http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 15: 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 16: 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 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 19 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-19Reference 18: http://www.xbrl.org/2009/role/commonPracticeRef -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 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)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 20: 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 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)(iii)(A)) -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)(4)(iv)) -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 1A -Subparagraph (SX 210.13-01(a)(5)) -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 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -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)(A)) -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)(iii)(B)) -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)(4)(iv)) -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)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 235 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-05(b)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477314/942-235-S99-1Reference 30: 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 31: http://www.xbrl.org/2003/role/exampleRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 4J -Publisher FASB -URI https://asc.fasb.org/1943274/2147481175/810-10-55-4JReference 32: http://www.xbrl.org/2003/role/exampleRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 4K -Publisher FASB -URI https://asc.fasb.org/1943274/2147481175/810-10-55-4KReference 33: 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 34: 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 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-2Reference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1AReference 37: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (c)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1A + Details Name: us-gaap_ProfitLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration 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 - DefinitionNumber of shares used to settle grantee's tax withholding obligation for award under share-based payment arrangement. + ReferencesNo definition available. + Details Name: us-gaap_SharesPaidForTaxWithholdingForShareBasedCompensation Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType 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 X - DefinitionValue of stock issued as a result of the exercise of stock options. + 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://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 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(31)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 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_StockIssuedDuringPeriodValueStockOptionsExercised 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 19 R7.htm IDEA: XBRL DOCUMENT v3.25.0.1 Condensed Consolidated Statements of Cash Flows (unaudited) - USD ($) $ in Thousands 3 Months Ended Dec. 31, 2024 Dec. 31, 2023 Cash flows from operating activities Â Â Net loss $ (31,594) $ (43,008) Adjustments to reconcile net loss to net cash used in operating activities Â Â Depreciation and amortization 6,380 8,171 Stock-based compensation 11,991 11,020 Other non-cash adjustments (20) 312 Changes in assets and liabilities: Â Â Accounts receivable, net (4,537) 8,058 Inventories 560 1,201 Prepaid expenses and other current assets (249) (1,116) Other non-current assets (356) 300 Accounts payable 5,711 (4,205) Accrued expenses 3,137 2,900 Accrued compensation (11,850) (5,078) Other liabilities (601) (1,528) Net cash used in operating activities (21,428) (22,973) Cash flows from investing activities Â Â Purchases of property and equipment (2,268) (1,506) Purchases of investments (20,593) (18,329) Proceeds from maturity of investments 21,325 24,000 Net cash (used in) provided by investing activities (1,536) 4,165 Cash flows from financing activities Â Â Proceeds from exercise of stock options 2,950 951 Proceeds from the issuance of liability related to sale of future revenue 15,000 0 Repurchases of common stock for income tax withholding (6) (2,424) Net cash (used in) provided by financing activities 17,944 (1,473) Effect of exchange rates on cash, cash equivalents and restricted cash (53) 116 Net decrease in cash, cash equivalents, and restricted cash (5,073) (20,165) Cash, cash equivalents, and restricted cash at beginning of period 229,132 289,281 Cash, cash equivalents, and restricted cash at end of period 224,059 269,116 Supplemental disclosure of cash flow information Â Â Income taxes paid, net of refunds 3 40 Non-cash investing and financing activities Â Â Property and equipment additions included in accounts payable and accrued expenses $ 2,136 $ 487 X - DefinitionPayments To Repurchases Of Common Stock For Tax Withholding + ReferencesNo definition available. + Details Name: twst_PaymentsToRepurchasesOfCommonStockForTaxWithholding Namespace Prefix: twst_ 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 - DefinitionFuture cash outflow to pay for purchases of fixed assets that have occurred. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-4Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-3Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-5 + Details Name: us-gaap_CapitalExpenditureIncurredButNotYetPaid Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit 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 increase (decrease) from effect of exchange rate changes on cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; held in foreign currencies. Excludes amounts 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 830 -SubTopic 230 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477401/830-230-45-1 + Details Name: us-gaap_EffectOfExchangeRateOnCashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount, after refund, of cash paid to foreign, federal, state, and local jurisdictions as income tax. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-2AReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 23 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-23Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-22Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-2 + Details Name: us-gaap_IncomeTaxesPaidNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe increase (decrease) during the reporting period in the aggregate amount 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. + 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_IncreaseDecreaseInAccountsPayable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe increase (decrease) during the reporting period in amount due within one year (or one business cycle) from customers for the credit 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_IncreaseDecreaseInAccountsReceivable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe increase (decrease) during the reporting period in the aggregate amount of expenses incurred but not yet paid. + 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_IncreaseDecreaseInAccruedLiabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe increase (decrease) during the reporting period in the aggregate amount of obligations related to services received from employees, such as accrued salaries and bonuses, payroll taxes and fringe benefits. + 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_IncreaseDecreaseInEmployeeRelatedLiabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe increase (decrease) during the reporting period in the aggregate value of all inventory held by the reporting entity, associated with underlying transactions that are classified as operating activities. + 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_IncreaseDecreaseInInventories Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit 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 noncurrent assets 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_IncreaseDecreaseInOtherNoncurrentAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of increase (decrease) in operating liabilities 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_IncreaseDecreaseInOtherOperatingLiabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit 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 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 - ReferencesNo definition available. + Details Name: us-gaap_NoncashInvestingAndFinancingItemsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of income (expense) included in net income that results in no cash inflow (outflow), classified as other. + 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/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_OtherNoncashIncomeExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe cash outflow associated with the purchase of all investments (debt, security, other) during the period. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-13 + Details Name: us-gaap_PaymentsToAcquireInvestments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe cash outflow associated with the acquisition of long-lived, physical assets that are used in the normal conduct of business to produce goods and services and not intended for resale; includes cash outflows to pay for construction of self-constructed assets. + 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_PaymentsToAcquirePropertyPlantAndEquipment Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cash inflow from issuance of long-term debt classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 14 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14 + Details Name: us-gaap_ProceedsFromIssuanceOfOtherLongTermDebt Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash inflow from issuance of shares under share-based payment arrangement. Includes, but is not limited to, option exercised. + 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_ProceedsFromIssuanceOfSharesUnderIncentiveAndShareBasedCompensationPlansIncludingStockOptions Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe cash inflow associated with the sale, maturity and collection of all investments such as debt, security and so forth during the period. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-12 + Details Name: us-gaap_ProceedsFromSaleMaturityAndCollectionsOfInvestments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe consolidated profit or loss for the period, net of income taxes, including the portion attributable to the noncontrolling interest. + 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://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/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 9: 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 10: 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 11: 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 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 205 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478009/946-205-45-3Reference 13: 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 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 15: 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 16: 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 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 19 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-19Reference 18: http://www.xbrl.org/2009/role/commonPracticeRef -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 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)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 20: 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 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)(iii)(A)) -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)(4)(iv)) -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 1A -Subparagraph (SX 210.13-01(a)(5)) -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 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -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)(A)) -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)(iii)(B)) -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)(4)(iv)) -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)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 235 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-05(b)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477314/942-235-S99-1Reference 30: 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 31: http://www.xbrl.org/2003/role/exampleRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 4J -Publisher FASB -URI https://asc.fasb.org/1943274/2147481175/810-10-55-4JReference 32: http://www.xbrl.org/2003/role/exampleRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 4K -Publisher FASB -URI https://asc.fasb.org/1943274/2147481175/810-10-55-4KReference 33: 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 34: 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 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-2Reference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1AReference 37: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (c)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1A + Details Name: us-gaap_ProfitLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit 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 20 R8.htm IDEA: XBRL DOCUMENT v3.25.0.1 Organization and description of business 3 Months Ended Dec. 31, 2024 Organization, Consolidation and Presentation of Financial Statements [Abstract] Â Organization and description of business Organization and description of businessTwist Bioscience Corporation (the Company) was incorporated in the state of Delaware on February 4, 2013. The Company is a leading, rapidly growing synthetic biology company that has developed a disruptive DNA synthesis platform to industrialize the engineering of biology. The Companyâ€™s fiscal year ends on SeptemberÂ 30. The core of the Company's platform is a proprietary technology that pioneers a new method of manufacturing synthetic DNA by â€œwritingâ€ DNA on a silicon chip. The Company has combined our silicon-based DNA writing technology with proprietary software, scalable commercial infrastructure and an e-commerce platform to create an integrated technology platform that enables us to achieve high levels of quality, precision, automation, and manufacturing throughput at a significantly lower cost than our competitors. The Company has applied its unique technology to manufacture a broad range of synthetic DNA-based products, including synthetic genes, tools for next generation sequencing, or NGS, sample preparation, and antibody libraries for drug discovery and development, all designed to enable its customers to conduct research more efficiently and effectively. The Company has leveraged the same technology to expand its footprint beyond DNA synthesis to manufacture synthetic RNA as well as antibody proteins to disrupt and innovate within larger market opportunities, in addition to discovery partnerships for biologic drugs and developing completely new applications for synthetic DNA, such as digital data storage. The Company has recognized annual losses from operations since inception and has an accumulated deficit of $1,273.5 million as of DecemberÂ 31, 2024. The Company incurred net losses of $31.6 million and $43.0 million for the three months ended DecemberÂ 31, 2024 and 2023, respectively. As of DecemberÂ 31, 2024, the Company had cash and cash equivalents of $221.4 million and short-term investments of $49.4 million. The Company expects that its current cash, cash equivalents, and short-term investments will be sufficient to fund its operations for a period of at least one year from the date the condensed consolidated financial statements are issued. X - ReferencesNo definition available. + Details Name: us-gaap_OrganizationConsolidationAndPresentationOfFinancialStatementsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for organization, consolidation and basis of presentation of financial statements disclosure. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480424/946-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480424/946-10-50-2Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 810 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/810/tableOfContentReference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/205/tableOfContent + Details Name: us-gaap_OrganizationConsolidationAndPresentationOfFinancialStatementsDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 21 R9.htm IDEA: XBRL DOCUMENT v3.25.0.1 Summary of significant accounting policies 3 Months Ended Dec. 31, 2024 Accounting Policies [Abstract] Â Summary of significant accounting policies Summary of significant accounting policiesÂ Â Â Â Basis of presentationThe accompanying unaudited condensed consolidated financial statements were prepared in accordance with accounting principles generally accepted in the United States of America (GAAP) for interim financial information. Certain information and disclosures normally included in the consolidated financial statements prepared in accordance with GAAP have been condensed or omitted. Accordingly, these unaudited condensed consolidated financial statements should be read in conjunction with the audited consolidated financial statements and the related notes included in the Annual Report on Form 10-K for the fiscal year ended SeptemberÂ 30, 2024 (the Annual Report on Form 10-K) filed with the Securities and Exchange Commission on NovemberÂ 18, 2024. The condensed consolidated financial statements are unaudited and have been prepared on a basis consistent with that used to prepare the audited annual consolidated financial statements and include, in the opinion of management, all adjustments, consisting of normal and recurring items, necessary for the fair statement of the condensed consolidated financial statements. The condensed consolidated balance sheet at SeptemberÂ 30, 2024 is derived from audited consolidated financial statements but does not include all disclosures required by GAAP. The operating results for the three months ended DecemberÂ 31, 2024 are not necessarily indicative of the results expected for the full year ending SeptemberÂ 30, 2025 or any interim period. Use of estimatesThe presentation of unaudited condensed consolidated 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 liabilities as of the date of the condensed consolidated financial statements and the reported amounts of revenue and expenses during the reporting period. Actual results could differ from those estimates. Principles of ConsolidationThe Companyâ€™s unaudited condensed consolidated financial statements include its wholly owned subsidiaries. All intercompany balances and accounts are eliminated in consolidation.Cash and cash equivalents and restricted cashThe following table provides a reconciliation of the Companyâ€™s cash and cash equivalents and non-current portion of restricted cash reported within the unaudited condensed consolidated balance sheets that sum to the total cash, cash equivalents and restricted cash shown in the Companyâ€™s condensed consolidated statements of cash flows:(in thousands)December 31,2024September 30,2024Cash and cash equivalents$221,403Â $226,316Â Restricted cash, non-current2,656Â 2,816Â Total cash, cash equivalents and restricted cash$224,059Â $229,132Â Significant accounting policiesThere have been no material changes in the accounting policies from those disclosed in the audited consolidated financial statements and the related notes included in the Annual Report on Form 10-K other than disclosed below. Liability related to the sale of future revenueThe Company accounts for the proceeds received from the monetization of future milestone and royalty payments from its contracts with certain customers as a debt instrument, which is amortized using the effective interest rate method over the estimated term of the arrangement. The Company recognizes interest expense thereon using the effective rate, which is based on its current estimates of future milestone and royalty payments under its customer contracts to be paid to the counterparty over the term of the arrangement. The Company periodically assesses these future estimated payments to impute interest on the carrying value of the liability. To the extent its estimates of future payments to the counterparty are greater or less than previous estimates or the estimated timing of such payments is materially different than previous estimates, the Company will account for any such changes by adjusting the effective interest rate on a prospective basis, with a corresponding impact to the liability. The assumptions used in determining the expected repayment term of the liability also requires that the Company makes estimates that could impact the classification of the liability, interest recorded on such liability, as well as the period over which such interest will be incurred. For further discussion, please see Note 5, Liability related to the sale of future revenue liability.Recent accounting pronouncementsNew accounting guidance issued but not yet effectiveIn December 2023, the FASB issued ASU No. 2023-09 "Income Taxes (Topic 740)". The amendments in this ASU require that public business entities on an annual basis (1) disclose specific categories in the rate reconciliation and (2) provide additional information for reconciling items that meet a quantitative threshold. The amendments in this update are effective for annual periods beginning after December 15, 2024. The standard is not expected to have a material impact to the Company's consolidated financial statements.In November 2023, the FASB issued ASU No. 2023-07 "Segment Reporting (Topic 280)". The amendments in this ASU improve reportable segment disclosure requirements, primarily through enhanced disclosures about significant segment expenses. The amendments in this update are effective for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024, with early adoption permitted, and should be applied retrospectively. The standard is not expected to have a material impact to the Company's consolidated financial statements.In November 2024, the FASB issued ASU 2024-03, Income Statementâ”Reporting Comprehensive Incomeâ”Expense Disaggregation Disclosures, which will require additional expense disclosures for all public entities. The amendments require that at each interim and annual reporting period, an entity will disclose certain disaggregated expenses included in each relevant expense caption, as well as the total amount of selling expenses and, in annual periods, an entityâ€™s definition of selling expenses. ASU 2024-03 is effective for fiscal years beginning after December 15, 2026, and interim periods within fiscal years beginning after December 15, 2027, with early adoption permitted. The Company is currently evaluating the incremental disclosures that will be required in its financial statements.The Company has evaluated other recently issued accounting pronouncements and has concluded that the impact of recently issued standards that are not yet effective will not have a material impact on the Companyâ€™s financial position or results of operations upon adoption. 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 v3.25.0.1 Revenue 3 Months Ended Dec. 31, 2024 Revenue from Contract with Customer [Abstract] Â Revenue RevenueThe Companyâ€™s revenue is generated through the sale of synthetic biology tools, such as synthetic genes, oligo pools, NGS tools, DNA libraries and biopharma services for antibody discovery, optimization and development ("Biopharma"). Contract balancesThe following table summarizes our contract balances: (in thousands)Â December 31,2024September 30,2024Contract assets(1) $1,837Â $2,031Â Contract liabilities(2)1,381Â 2,131Â (1) Consists of unbilled amounts primarily related to Biopharma contracts which consists of research and development agreements with third parties.(2) Consists of receipt of advance payment before our performance obligations related to Biopharma contracts are met. For the three months ended DecemberÂ 31, 2024 and DecemberÂ 31, 2023, the Company recognized revenue of $1.7 million and $1.3 million, respectively, from the amount that was included in the contract liability balance at the beginning of each period.In addition, for all periods presented, there was no revenue recognized in a reporting period from performance obligations satisfied in previous periods. The aggregate amount of the transaction price allocated to the performance obligations that are unsatisfied as of DecemberÂ 31, 2024 was $8.1 million. The Company expects to recognize revenue over the next twelve months relating to performance obligations unsatisfied as of DecemberÂ 31, 2024.Based on the nature of the Companyâ€™s contracts with customers which are recognized over a term of less than 12 months, the Company has elected to use the practical expedient whereby costs to obtain a contract are expensed as they are incurred. The Company states its revenues net of any taxes collected from customers that are required to be remitted to various government agencies. The amount of taxes collected from customers and payable to governmental entities is included on the balance sheet as part of â€œAccrued expenses and other current

liabilities.â€Disaggregation of revenuesThe table below sets forth revenues by geographic region, based on ship-to destinations. Americas consists of the United States, Canada, Mexico and South America; EMEA consists of Europe, the Middle East, and Africa; and APAC consists of Japan, China, South Korea, India, Singapore, Malaysia and Australia.Three months endedDecember 31,(in thousands)20242023Americas$53,709Â $43,959Â EMEA28,30421,220APAC6,7006,319Total$88,713Â $71,498Â The table below sets forth revenues by products.Three months endedDecember 31,(in thousands)20242023Synthetic genes$26,485Â $19,726Â Oligo pools5,0944,189DNA libraries2,7942,939Antibody discovery5,6985,226NGS tools48,64239,418Total$88,713Â $71,498Â The table below sets forth revenues by industry.Three months endedDecember 31,(in thousands)20242023Industrial chemicals/materials$21,203Â $16,277Â Academic research17,54613,773Healthcare49,36940,881Food/agricultural595567Total$88,713Â $71,498Â X - ReferencesNo definition available. + Details Name: us-gaap_RevenueFromContractWithCustomerAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure of revenue from contract with customer to transfer good or service and to transfer nonfinancial asset. Includes, but is not limited to, disaggregation of revenue, credit loss recognized from contract with customer, judgment and change in judgment related to contract with customer, and asset recognized from cost incurred to obtain or fulfill contract with customer. Excludes insurance and lease contracts. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-9Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-15Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-13Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Topic 606 -Publisher FASB -URI https://asc.fasb.org/606/tableOfContent + Details Name: us-gaap_RevenueFromContractWithCustomerTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 23 R11.htm IDEA: XBRL DOCUMENT v3.25.0.1 Cash and Cash Equivalents 3 Months Ended Dec. 31, 2024 Cash and Cash Equivalents [Abstract] Â Cash, cash equivalent and investments Cash, cash equivalent and investmentsThe following table sets forth the cash and cash equivalents, and investments as of DecemberÂ 31, 2024:(in thousands)Amortized costGross unrealized gainsGross unrealized lossesFair valueCash$28,357Â $â€”Â $â€”Â $28,357Â Cash equivalents - money market funds193,046Â â€”Â â€”Â 193,046Â Total cash and cash equivalents$221,403Â $â€”Â $â€”Â $221,403Â Short-term investments:U.S. government treasury bills$49,371Â $53Â $â€”Â $49,424Â Total short-term investments$49,371Â $53Â $â€”Â $49,424Â Non-current assets - equity investment in privately held companies$1,525Â $â€”Â $â€”Â $1,525Â Total cash, cash equivalents and investments$272,299Â $53Â $â€”Â $272,352Â The following table sets forth the cash and cash equivalents, and investments as of SeptemberÂ 30, 2024:(in thousands)Amortized costGross unrealized gainsGross unrealized lossesFair valueCash$26,458Â $â€”Â $â€”Â $26,458Â Cash equivalents - money market funds199,858Â â€”Â â€”Â 199,858Â Total cash and cash equivalents$226,316Â $â€”Â $â€”Â $226,316Â Short-term investments:U.S. government treasury bills$49,964Â $119Â $â€”Â $50,083Â Total short-term investments$49,964Â $119Â $â€”Â $50,083Â Non-current assets - equity investment in privately held companies$1,525Â $â€”Â $â€”Â $1,525Â Total cash, cash equivalents and investments$277,805Â $119Â $â€”Â $277,924Â During the three months ended DecemberÂ 31, 2024 and 2023, gross realized gains and losses related to our short-term investments were not material.During the three months ended DecemberÂ 31, 2024 and 2023, the Company did not recognize any credit losses. X - ReferencesNo definition available. + Details Name: us-gaap_CashAndCashEquivalentsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure of the components of cash, cash equivalents, and short-term investments. Short-term investments may include current marketable securities. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/320/tableOfContent + Details Name: us-gaap_CashCashEquivalentsAndShortTermInvestmentsTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 24 R12.htm IDEA: XBRL DOCUMENT v3.25.0.1 Fair value measurement 3 Months Ended Dec. 31, 2024 Fair Value Disclosures [Abstract] Â Fair value measurement Fair value measurementThe Company assesses the fair value of financial instruments based on the provisions of ASC 820, Fair Value Measurements. ASC 820 defines fair value as the exchange price that would be received for an asset or paid to transfer a liability (an exit price) in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants on the measurement date. ASC 820 also establishes a fair value hierarchy which requires an entity to maximize the use of observable inputs and minimize the use of unobservable inputs when measuring fair value. The standard describes three levels of inputs that may be used to measure fair value:Level 1â€”Quoted prices in active markets for identical assets or liabilities.Level 2â€”Observable inputs other than Level 1 prices such as quoted prices for similar assets or liabilities, quoted prices in markets that are not active, or other inputs that are observable or can be corroborated by observable market data for substantially the full term of the assets or liabilities.Level 3â€”Unobservable inputs that are supported by little or no market activity and that are significant to the fair value of the assets or liabilities.In determining fair value, the Company utilizes valuation techniques that maximize the use of observable inputs and minimize the use of unobservable inputs to the extent possible as well as considering counterparty credit risk in its assessment of fair value.Assets measured at fair value on a recurring basisAs of DecemberÂ 31, 2024, financial assets measured and recognized at fair value are as follows:(in thousands)Level 1Level 2Level 3Fair valueAssetsÂ Â Â Â Money market funds$193,046Â $â€”Â $â€”Â $193,046Â U.S. government treasury bills49,424Â â€”Â â€”Â 49,424Â Total financial assets$242,470Â $â€”Â $â€”Â $242,470Â As of SeptemberÂ 30, 2024, financial assets measured and recognized at fair value are as follows:(in thousands)Level 1Level 2Level 3Fair valueAssetsÂ Â Â Â Money market funds$199,858Â $â€”Â $â€”Â $199,858Â U.S. government treasury bills50,083â€”Â â€”Â 50,083Total financial assets$249,941Â $â€”Â $â€”Â $249,941Â Contractual maturities of short-term investments, as of DecemberÂ 31, 2024, were less than 12 months. Accrued interest receivable balances included in the prepaid expenses and other current assets within the condensed consolidated balance sheets were $1.4 million and $1.0Â million as of DecemberÂ 31, 2024 and SeptemberÂ 30, 2024, respectively.As of DecemberÂ 31, 2024 and SeptemberÂ 30, 2024, there were no financial liabilities measured and recognized at fair value.There were no transfers between Level 1, Level 2 and Level 3 in the periods presented. Assets and liabilities without readily determinable values measured on a non-recurring basisThe Company holds equity investment in a privately held company. The privately held company is a VIE, but the Company is not the primary beneficiary. The Company does not have the power to direct the activities that most significantly impact the economic performance of the investee. The Companyâ€™s maximum exposure to loss from this VIE consist of an equity investment of $1.5Â million. Equity investments held by the Company lack readily determinable fair values and therefore the securities are measured at cost minus impairment, if any, plus or minus changes resulting from observable price changes in orderly transactions for the identical or similar equity securities of the same issuer. The Company reviews the carrying value of its equity investments for impairment whenever events or changes in business circumstances indicate the carrying amount of such asset may not be fully recoverable. Impairments, if any, are based on the excess of the carrying amount over the recoverable amount of the asset. The Company recorded $2.2Â million of impairments during the three months ended SeptemberÂ 30, 2024. There were no such impairments during the three months ended DecemberÂ 31, 2024 and DecemberÂ 31, 2023. X - ReferencesNo definition available. + Details Name: us-gaap_FairValueDisclosuresAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe 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. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 107 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-107Reference 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/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 25 R13.htm IDEA: XBRL DOCUMENT v3.25.0.1 Balance sheet components 3 Months Ended Dec. 31, 2024 Balance Sheet Related Disclosures [Abstract] Â Balance sheet components Balance sheet componentsAllowance for credit losses Allowance for credit losses were $0.7Â million and $0.7Â million as of DecemberÂ 31, 2024 and SeptemberÂ 30, 2024, respectively.InventoriesInventories consist of the following:(in thousands)December 31,2024September 30,2024Raw materials$16,031Â $17,316Â Work-in-process2,6372,146Finished goods4,8504,616$23,518Â $24,078Â There is no consigned inventory balance as of DecemberÂ 31, 2024 and SeptemberÂ 30, 2024.Property and Equipment, netProperty and Equipment, net consists of the following:(in thousands)Â December 31,2024September 30,2024Laboratory equipment$99,730Â $99,528Â Furniture, fixtures and other equipment2,942Â 2,944Â Vehicles211Â 211Â Computer equipment3,278Â 3,249Â Computer software10,105Â 10,095Â Leasehold improvements57,460Â 57,448Â Construction in progress8,331Â 4,688Â $182,057Â $178,163Â Less: Accumulated depreciation and amortization(81,388)(75,643)$100,669Â $102,520Â Construction in progress mainly represents equipment costs, leasehold improvements costs and internal use software development costs. For the three months ended DecemberÂ 31, 2024 and DecemberÂ 31, 2023, the total depreciation and amortization expense was $6.1 million and $6.9 million, respectively. Other current liabilities Other current liabilities consist of the following:(in thousands)December 31,2024September 30,2024Income and other taxes payable$3,267$2,725Contract liabilities1,3812,131Other current liabilities594961$5,242Â $5,817Â X - ReferencesNo definition available. + Details Name: us-gaap_BalanceSheetRelatedDisclosuresAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for supplemental balance sheet disclosures, including descriptions and amounts for assets, liabilities, and equity. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/210/tableOfContent + Details Name: us-gaap_SupplementalBalanceSheetDisclosuresTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 26 R14.htm IDEA: XBRL DOCUMENT v3.25.0.1 Goodwill and intangible assets 3 Months Ended Dec. 31, 2024 Goodwill and Intangible Assets Disclosure [Abstract] Â Goodwill and intangible assets Goodwill and intangible assetsThe goodwill balance is presented below:(in thousands)December 31, 2024September 30, 2024Balance at beginning of period/year$85,811Â $85,811Â Balance at end of period/year $85,811Â $85,811Â The finite-lived intangible assets balances are presented below:December 31, 2024(in thousands, except for years)Weighted averageAmortization periodin yearsGrosscarryingamountAccumulatedamortizationNet bookvalueDeveloped Technology17$19,120Â $(4,905)$14,215Â Customer Relationshipsâ€”510Â (510)â€”Â Total finite-lived intangible assets$19,630Â $(5,415)$14,215Â September 30, 2024(in thousands, except for years)Weighted averageAmortization periodin yearsGrosscarryingamountImpairmentAccumulatedamortizationNet bookvalueDeveloped Technology17$50,020Â $(25,198)$(10,344)$14,478Â Customer Relationshipsâ€”15,210Â (10,541)(4,669)â€”Â Tradenames & Trademarksâ€”900Â (125)(775)â€”Â Total finite-lived intangible assets$66,130Â $(35,864)$(15,788)$14,478Â Total amortization expense related to intangible assets was $0.3 million for the three months ended DecemberÂ 31, 2024 and $1.3Â million for the three months ended DecemberÂ 31, 2023. X - ReferencesNo definition available. + Details Name: us-gaap_GoodwillAndIntangibleAssetsDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for goodwill and intangible assets. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/350-30/tableOfContentReference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/350-20/tableOfContent + Details Name: us-gaap_GoodwillAndIntangibleAssetsDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 27 R15.htm IDEA: XBRL DOCUMENT v3.25.0.1 Leases 3 Months Ended Dec. 31, 2024 Leases [Abstract] Â Leases LeasesThe Company leases certain of its facilities under non-cancellable operating leases expiring at various dates through 2044. The Company is also responsible for utilities,

maintenance, insurance, and property taxes under these leases. The lease payments consist primarily of fixed rental payments for the right to use the underlying leased assets over the lease terms, as well as payments for common-area-maintenance and administrative services. The Company often receives customary incentives from its landlords, such as reimbursements for tenant improvements and rent abatement periods, which effectively reduce the total lease payments owed for these leases. Leases are classified as operating or financing at commencement. The Company does not have any material financing leases.Certain leases include options to renew or terminate at the Companyâ€™s discretion. The lease terms include periods covered by these options if it is reasonably certain the Company will renew or not terminate. The Companyâ€™s lease agreements do not contain any material residual value guarantees or restrictive covenants.The following table presents the Company's right-of-use assets and lease liabilities related to the Companyâ€™s operating leases as of DecemberÂ 31, 2024:(in thousands)December 31,2024Assets:Â Operating lease right-of-use asset$56,475Â Current liabilities:Current portion of operating lease liabilities$15,030Â Noncurrent liabilities:Operating lease liabilities, net of current portion$67,586Â Future minimum lease payments under all non-cancelable operating leases as of DecemberÂ 31, 2024 are as follows:(in thousands)OperatingleasesYears ending September 30:Â Remainder of 2025$11,156Â 202613,88520278,37120288,47120296,609Thereafter81,405Total minimum lease payments$129,897Â Less: imputed interest(47,281)Total operating lease liabilities$82,616Â Less: current portion(15,030)Operating lease liabilities, net of current portion$67,586Â The components of lease expense and supplemental information were as follows: Three months endedDecember 31,(in thousands except years and percentage)20242023Operating lease costs$3,738Â $4,010Â Variable lease costs1,920Â 1,538Â Weighted-average remaining lease term (in years) - operating leases15.2 years15.3 yearsWeighted-average discount rate - operating leases6.5Â %6.5Â %Supplemental cash flow information related to leases are as follows:Three months endedDecember 31,(in thousands)20242023Cash payments included in the measurement of operating lease liabilities$3,700Â $3,700Â 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 28 R16.htm IDEA: XBRL DOCUMENT v3.25.0.1 Commitments and contingencies 3 Months Ended Dec. 31, 2024 Commitments and Contingencies Disclosure [Abstract] Â Commitments and contingencies Commitments and contingenciesLegal proceedingsThe Company may be subject to litigation, claims and disputes in the ordinary course of business. Certain significant matters are described below. We recognize accruals for matters to the extent that we conclude that a loss is both probable and reasonably estimable. If we determine that a material loss is reasonably possible and the loss or range of loss can be estimated, we disclose the possible loss.Securities Class ActionOn December 12, 2022, a putative securities class action lawsuit captioned Peters v. Twist Bioscience Corporation, et al., Case No. 22-cv-08168 (N.D. Cal.) (â€œSecurities Class Actionâ€) was filed in federal court in the Northern District of California (â€œCourtâ€) against the Company, its Chief Executive Officer, and its Chief Financial Officer (the â€œDefendantsâ€) alleging violations of federal securities laws. The Securities Class Actionâ€™s claims are based in large part on allegations made in a report issued on November 15, 2022 by Scorpion Capital (â€œScorpion Reportâ€) concerning, among other things, the Companyâ€™s DNA chip technology and accounting practices. The initial complaint filed in the Securities Class Action alleges that various statements that the defendants made between December 13, 2019 and November 14, 2022 were materially false and misleading in light of the allegations in the Scorpion Report. The plaintiff who initiated the lawsuit sought to represent a class of shareholders who acquired shares of the Companyâ€™s common stock between December 13, 2019 and November 14, 2022 and sought damages as well as certain other costs. On July 28, 2023, the Court appointed a new plaintiff, not the original plaintiff who filed the case, as lead plaintiff in the case and appointed a new law firm as lead counsel. On October 11, 2023, the lead plaintiff filed an amended complaint. The amended complaint is purportedly brought on behalf of all persons other than the Defendants who acquired the Companyâ€™s securities between December 20, 2018 and November 15, 2022. The amended complaint alleges that certain statements regarding, among other things, the Companyâ€™s DNA products and accounting practices were false and misleading.This case remains in the preliminary stage. Given the inherent uncertainty of litigation and the legal standards that must be met, including class certification and success on the merits, the Company cannot express an opinion on the likelihood of an unfavorable outcome or on the amount or range of any potential loss. The Company and the other defendants intend to vigorously defend themselves against the claims asserted against them and filed a motion to dismiss the amended complaint on December 6, 2023. A hearing on the motion to dismiss was held on November 13, 2024 and the Company is now awaiting the judge's decision.Derivative ActionOn September 25, 2023, a shareholder derivative suit captioned Shumacher vs. Leproust et al., No. 1:23-cv-01048-UNA, was filed in the United States District Court for the District of Delaware against directors of the Company and an employee (the â€œDerivative Actionâ€). The suit is based on substantially the same allegations in the Securities Class Action and seeks to recover, on behalf of the Company, damages to the Company arising from, among other things, the Securities Class Action. On November 13, 2023, the parties to the Derivative Action entered into a stipulation staying the Derivative Action pending resolution of the anticipated motion to dismiss the defendants have filed in the Securities Class Action. 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 29 R17.htm IDEA: XBRL DOCUMENT v3.25.0.1 Related party transactions 3 Months Ended Dec. 31, 2024 Related Party Transactions [Abstract] Â Related party transactions Related party transactionsDuring the three months ended DecemberÂ 31, 2024 and 2023, the Company had revenues from related parties in the amount of $4.0 million and $2.3 million, respectively. During the three months ended DecemberÂ 31, 2024, the purchases of raw materials from related parties were immaterial. During the three months ended DecemberÂ 31, 2023, the Company purchased raw materials from related parties in the amount of $1.3 million. As of DecemberÂ 31, 2024 and SeptemberÂ 30, 2024, receivable balances with related parties were $0.7 million and $0.5 million, respectively. As of DecemberÂ 31, 2024 and SeptemberÂ 30, 2024, payable balances with related parties were immaterial. X - ReferencesNo definition available. + Details Name: us-gaap_RelatedPartyTransactionsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for related party transactions. Examples of related party transactions include transactions between (a) a parent company and its subsidiary; (b) subsidiaries of a common parent; (c) and entity and its principal owners; and (d) affiliates. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-5Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-6Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 235 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477968/946-235-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 235 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477968/946-235-50-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 850 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483326/850-10-50-1Reference 7: 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)(g)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 8: 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)(c)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 9: 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)(e)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 850 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/850/tableOfContentReference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 850 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483326/850-10-50-6Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 850 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483326/850-10-50-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 850 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483326/850-10-50-1 + Details Name: us-gaap_RelatedPartyTransactionsDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 30 R18.htm IDEA: XBRL DOCUMENT v3.25.0.1 Income taxes 3 Months Ended Dec. 31, 2024 Income Tax Disclosure [Abstract] Â Income taxes Income taxesIn determining quarterly provisions for income taxes, the Company uses the annual estimated effective tax rate applied to the actual year-to-date profit or loss, adjusted for discrete items arising in that quarter. For the three months ended DecemberÂ 31, 2024 and 2023, the Company recorded provisions for income taxes of $0.1 million and $0.1 million, respectively. X - ReferencesNo definition available. + Details Name: us-gaap_IncomeTaxDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for income tax. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12C -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12CReference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12B -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12BReference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 270 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477891/740-270-50-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 6.I.5.Q1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479360/740-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-13Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(h)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/740/tableOfContentReference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-14Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 21 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-21Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 17 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-17Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 11.C) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479360/740-10-S99-2Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482603/740-30-50-2 + Details Name: us-gaap_IncomeTaxDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 31 R19.htm IDEA: XBRL DOCUMENT v3.25.0.1 Common stock 3 Months Ended Dec. 31, 2024 Equity [Abstract] Â Common stock Common stockAs of DecemberÂ 31, 2024, the Company had reserved sufficient shares of common stock, with a par value of $0.00001 per share, for issuance upon exercise of outstanding stock options. Each share of common stock is entitled to one vote. The holders of shares of common stock are also entitled to receive dividends whenever funds are legally available and when declared by the board of directors. X - ReferencesNo definition available. + Details Name: us-gaap_EquityAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for equity. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-14Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 235 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477968/946-235-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 235 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477968/946-235-50-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 505 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478448/946-505-50-6Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480237/815-40-50-6Reference 8: http://www.xbrl.org/2003/role/disclosureRef -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 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(e)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 10: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/505/tableOfContentReference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section

50 -Paragraph 13 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-14Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-14Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 16 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-16Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-18Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-18Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-18 + Details Name: us-gaap_StockholdersEquityNoteDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 32 R20.htm IDEA: XBRL DOCUMENT v3.25.0.1 Stock-based compensation 3 Months Ended Dec. 31, 2024 Share-Based Payment Arrangement [Abstract] Â Stock-based compensation Stock-based compensationStock-based compensation expenseThe Company recorded stock-based compensation expense in the condensed consolidated statement of operations and comprehensive loss for the periods presented as follows (in thousands):Three months endedDecember 31,(in thousands)20242023Cost of revenues$1,206Â $924Â Research and development2,7392,838Selling, general and administrative8,0467,258Total stock-based compensation expense$11,991Â $11,020Â An immaterial amount of stock-based compensation expense was capitalized to property and equipment related to capitalized software development costs for the three months ended DecemberÂ 31, 2024 and 2023. Restricted stock unitsA summary of the Companyâ€™s restricted stock unit activity excluding the performance-based restricted stock units during the three months ended DecemberÂ 31, 2024 was as follows:(in thousands, except per share data)SharesWeighted average grant date fair value per shareNonvested shares at September 30, 20241,964$32.13Â Granted1,01647.34Vested/Issued(224)39.03Forfeited(132)31.82Nonvested shares at December 31, 20242,624$37.44Â As of DecemberÂ 31, 2024, there was $91.7 million of total unrecognized compensation cost related to these awards that is expected to be recognized over a weighted average period of 3.1 years. The total grant date fair value of the restricted stock units excluding performance-based restricted units awarded during the three months ended DecemberÂ 31, 2024 was $48.1 million. Performance stock unitsDuring the three months ended DecemberÂ 31, 2024, the Company granted additional performance-based restricted stock units to executives and employees that will vest upon achievement of multiple year revenue, gross profit, and profitability metrics as determined by the board of directors. Stock compensation expense for these awards is recorded over the vesting period based on the grant date fair value of the awards and probability of the achievement of specified performance targets. The grant date fair value is equal to the closing share price of the Companyâ€™s common stock on the date of grant. These awards will vest from a minimum of 10 months to a maximum of 34 months service period following the grant date, provided that the recipient is a Company employee at the time of vesting and the performance targets applicable to each award are achieved. The percentage of these awards that vest will depend on the achievement of specified performance targets at the end of the performance period and can range from 0% to 140% of the number of units granted. A summary of the Companyâ€™s performance-based restricted stock units during the three months ended DecemberÂ 31, 2024 was as follows:(in thousands, except per share data)SharesWeighted average grant date fair value per shareNonvested shares at September 30, 20241,167$27.01Â Granted1,29847.85Vested/Issued(312)44.89Forfeited(90)20.83Nonvested shares at December 31, 20242,063$37.69Â As of DecemberÂ 31, 2024, the unrecognized compensation costs related to these awards was $66.4Â million based on the maximum achievement of the performance targets. The Company expects to recognize those costs over a weighted average period of 2.0 years. The total grant date fair value of performance-based restricted stock units awarded during the three months ended DecemberÂ 31, 2024 was $62.1Â million.Stock options A summary of the Companyâ€™s stock option activity excluding the performance-based stock options during the three months ended DecemberÂ 31, 2024 was as follows:(in thousands, except per share data)SharesWeighted average exercise price per shareWeighted average remaining contractual term (years)Aggregate intrinsic valueOutstanding at September 30, 20241,619Â $24.51Â 4.27$36,798Â Forfeited(2)41.64â€”Â â€”Â Exercised(169)17.41â€”Â 4,881Â Outstanding at December 31, 20241,447Â Â $25.31 4.09$33,816Â Vested and exercisable at December 31, 20241,445Â $25.19Â 4.09$33,816Â As of DecemberÂ 31, 2024, the unrecognized compensation costs related to these awards was $0.1Â million. The Company expects to recognize those costs over a weighted average period of 0.8 years. Performance stock optionsA summary of the Companyâ€™s performance-based stock option activity during the three months ended DecemberÂ 31, 2024 was as follows:(in thousands, except per share data)SharesWeighted average exercise price per shareWeighted average remaining contractual term (years)Aggregate intrinsic valueOutstanding at September 30, 2024273$59.83Â 6.39$1,042Â Outstanding at December 31, 2024273$59.83Â 6.13$1,139Â Vested and exercisable at DecemberÂ 31, 2024243$63.36Â 5.99$683Â As of DecemberÂ 31, 2024, the unrecognized compensation costs related to these awards was $0.1Â million. The Company expects to recognize those costs over a weighted average period of 0.3 years. As of DecemberÂ 31, 2024, the Company determined that 30,000 shares of common stock are expected to vest based on the probability of the performance condition that will be achieved under this equity award program.2018 Employee Stock Purchase PlanThe number of shares of the Company's common stock reserved for issuance under the 2018 Employee Stock Purchase Plan ("ESPP") at DecemberÂ 31, 2024 was as follows:(In thousands)SharesavailableOutstanding at SeptemberÂ 30, 2024611Additional shares authorized249Shares issued during the periodâ€”Â Outstanding at DecemberÂ 31, 2024860During the three months ended DecemberÂ 31, 2024, ESPP expenses of $0.5 million was recognized. During the three months ended DecemberÂ 31, 2023, activity under the 2018 ESPP was immaterial. 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 33 R21.htm IDEA: XBRL DOCUMENT v3.25.0.1 Net loss per share 3 Months Ended Dec. 31, 2024 Earnings Per Share [Abstract] Â Net loss per share attributable to common stockholders Net loss per shareThe following table sets forth the computation of the Companyâ€™s basic and diluted net loss per share:Three months endedDecember 31,(in thousands, except per share data)20242023Numerator:Net loss$(31,594)$(43,008)Denominator:Weighted average shares used in computing net loss per share, basic and diluted59,16257,497Net loss per share, basic and diluted(0.53)(0.75)The potentially dilutive common shares that were excluded from the calculation of diluted net loss per share because their effect would have been antidilutive for the periods presented are as follows:Three months endedDecember 31,(in thousands)20242023Shares subject to options (including performance options) to purchase common stock1,7192,253Unvested restricted stock units and performance stock units 4,6863,824Shares subject to employee stock purchase plan68124Total6,4746,201 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 entire disclosure for earnings per share. + 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/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/260/tableOfContentReference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-3 + Details Name: us-gaap_EarningsPerShareTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 34 R22.htm IDEA: XBRL DOCUMENT v3.25.0.1 Liability Related to the Sales of Future Royalties 3 Months Ended Dec. 31, 2024 Organization, Consolidation and Presentation of Financial Statements [Abstract] Â Liability related to the sales of future royalties Liability related to the sales of future revenue On October 21, 2024, the Company executed the Royalty Purchase Agreement with XOMA (US) LLC ("XOMA Royalty"). Under the Royalty Purchase Agreement, XOMA Royalty provided Twist Bioscience an upfront payment of $15.0Â million in cash in exchange for the right to receive half of the future potential milestone and royalty payments resulting from certain antibody discovery and biopharma services agreements between the Company and its customers ("underlying customer agreements"). The terms of the underlying customer agreements provide for milestone and royalty payments to the Company contingent upon the Company's customers achieving certain clinical, regulatory, development and commercial milestones. Under the terms of the underlying customer agreements, the Company has significant continuing involvement as the Company has ongoing obligations such as services to support the generation of these milestone and royalty payments. As such, the Company applied the guidance under ASC 470, Debt, and recorded the upfront payment of $15.0Â million as a liability related to the sale of future revenue, which will be amortized using the effective interest method over the estimated term of the Royalty Purchase agreement.As milestone and royalty payments are remitted to XOMA Royalty, the balance of the liability related to the sale of future revenue will be effectively repaid over the term of the Royalty Purchase Agreement. In addition, in accordance with ASC 470, Debt, the Company will account for any milestone and royalty payments received in the future as revenue.The estimate of the effective interest rate contains significant assumptions regarding the timing and amount of expected milestone and royalty payments, which are considered Level 3 fair value inputs, and impact the interest expense that will be recognized over the term of the Royalty Purchase Agreement. As of DecemberÂ 31, 2024, the Company's estimate of aggregate future milestone and royalty payments expected to be paid to XOMA Royalty over the term of the Royalty Purchase Agreement did not exceed $15.0Â million, therefore, no imputed interest expense has been recorded during the three months ended DecemberÂ 31, 2024. X - DefinitionThe entire disclosure for collaborative arrangements in which the entity is a participant, including a) information about the nature and purpose of such arrangements; b) its rights and obligations thereunder; c) the accounting policy for collaborative arrangements; and d) the income statement classification and amounts attributable to transactions arising from the collaborative arrangement between participants. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -SubTopic 10 -Topic 808 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479402/808-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -SubTopic 10 -Topic 808 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479402/808-10-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Topic 808 -Publisher FASB -URI https://asc.fasb.org/808/tableOfContent + Details Name: us-gaap_CollaborativeArrangementDisclosureTextBlock 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 35 R23.htm IDEA: XBRL DOCUMENT v3.25.0.1 Subsequent events 3 Months Ended Dec. 31, 2024 Subsequent Events [Abstract] Â Subsequent events * * * * * 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 36 R24.htm IDEA: XBRL DOCUMENT v3.25.0.1 Pay vs Performance Disclosure - USD ($) $ in Thousands 3 Months Ended Dec. 31, 2024 Dec. 31, 2023 Pay vs Performance Disclosure Â Â Net loss $ (31,594) $ (43,008) 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 37 R25.htm IDEA: XBRL DOCUMENT v3.25.0.1 Insider Trading Arrangements 3 Months Ended Dec. 31, 2024 Trading Arrangements, by Individual Â Rule 10b5-1 Arrangement Adopted false Non-Rule 10b5-1 Arrangement Adopted false Rule 10b5-1 Arrangement Terminated false Non-Rule 10b5-1 Arrangement Terminated false 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_NonRule10b51ArrAdoptedFlag 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 1 + Details Name: ecd_NonRule10b51ArrTrmntdFlag 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 1 + Details Name: ecd_Rule10b51ArrAdoptedFlag 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 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 XML 38 R26.htm IDEA: XBRL DOCUMENT v3.25.0.1 Summary of significant accounting policies (Policies) 3 Months Ended Dec. 31, 2024 Accounting Policies [Abstract] Â Basis of presentation Basis of presentationThe accompanying unaudited condensed consolidated financial statements were prepared in accordance with accounting principles generally accepted in the United States of America (GAAP) for interim financial information. Certain information and disclosures normally included in the consolidated financial statements prepared in accordance with GAAP have been condensed or omitted. Accordingly, these unaudited condensed consolidated financial statements should be read in conjunction with the audited consolidated financial statements and the related notes included in the Annual Report on Form 10-K for the fiscal year ended SeptemberÂ 30, 2024 (the Annual Report on Form 10-K) filed with the Securities and Exchange Commission on NovemberÂ 18, 2024. The condensed consolidated financial statements are unaudited and have been prepared on a basis consistent with that used to prepare the audited annual consolidated financial statements and include, in the opinion of management, all adjustments, consisting of normal and recurring items, necessary for the fair statement of the condensed consolidated financial statements. The condensed consolidated balance sheet at SeptemberÂ 30, 2024 is derived from audited consolidated financial statements but does not include all disclosures required by GAAP. The operating results for the three months ended DecemberÂ 31, 2024 are not necessarily indicative of the results expected for the full year ending SeptemberÂ 30, 2025 or any interim period. Use of estimates Use of estimatesThe presentation of unaudited condensed consolidated 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 liabilities as of the date of the condensed consolidated financial statements and the reported amounts of revenue and expenses during the reporting period. Actual results could differ from those estimates. Principles of Consolidation Principles of ConsolidationThe Companyâ€™s unaudited condensed consolidated financial statements include its wholly owned subsidiaries. All intercompany balances and accounts are eliminated in consolidation. Liability related to the sale of future revenue Liability related to the sale of future revenueThe Company accounts for the proceeds received from the monetization of future milestone and royalty payments from its contracts with certain customers as a debt instrument, which is amortized using the effective interest rate method over the estimated term of the arrangement. The Company recognizes interest expense thereon using the effective rate, which is based on its current estimates of future milestone and royalty payments under its customer contracts to be paid to the counterparty over the term of the arrangement. The Company periodically assesses these future estimated payments to impute interest on the carrying value of the liability. To the extent its estimates of future payments to the counterparty are greater or less than previous estimates or the estimated timing of such payments is materially different than previous estimates, the Company will account for any such changes by adjusting the effective interest rate on a prospective basis, with a corresponding impact to the liability. The assumptions used in determining the expected repayment term of the liability also requires that the Company makes estimates that could impact the classification of the liability, interest recorded on such liability, as well as the period over which such interest will be incurred. For further discussion, please see Note 5, Liability related to the sale of future revenue liability. Recent accounting pronouncements Recent accounting pronouncementsNew accounting guidance issued but not yet effectiveIn December 2023, the FASB issued ASU No. 2023-09 "Income Taxes (Topic 740)". The amendments in this ASU require that public business entities on an annual basis (1) disclose specific categories in the rate reconciliation and (2) provide additional information for reconciling items that meet a quantitative threshold. The amendments in this update are effective for annual periods beginning after December 15, 2024. The standard is not expected to have a material impact to the Company's consolidated financial statements.In November 2023, the FASB issued ASU No. 2023-07 "Segment Reporting (Topic 280)". The amendments in this ASU improve reportable segment disclosure requirements, primarily through enhanced disclosures about significant segment expenses. The amendments in this update are effective for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024, with early adoption permitted, and should be applied retrospectively. The standard is not expected to have a material impact to the Company's consolidated financial statements.In November 2024, the FASB issued ASU 2024-03, Income Statementâ€”Reporting Comprehensive Incomeâ€”Expense Disaggregation Disclosures, which will require additional expense disclosures for all public entities. The amendments require that at each interim and annual reporting period, an entity will disclose certain disaggregated expenses included in each relevant expense caption, as well as the total amount of selling expenses and, in annual periods, an entityâ€™s definition of selling expenses. ASU 2024-03 is effective for fiscal years beginning after December 15, 2026, and interim periods within fiscal years beginning after December 15, 2027, with early adoption permitted. The Company is currently evaluating the incremental disclosures that will be required in its financial statements.The Company has evaluated other recently issued accounting pronouncements and has concluded that the impact of recently issued standards that are not yet effective will not have a material impact on the Companyâ€™s financial position or results of operations upon adoption. X - DefinitionLiability Related To The Sale Of Future Revenue + ReferencesNo definition available. + Details Name: twst_LiabilityRelatedToTheSaleOfFutureRevenuePolicyTextBlock Namespace Prefix: twst_ 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 basis of accounting, or basis of presentation, used to prepare the financial statements (for example, US Generally Accepted Accounting Principles, Other Comprehensive Basis of Accounting, IFRS). + ReferencesNo definition available. + Details Name: us-gaap_BasisOfAccountingPolicyPolicyTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy regarding (1) the principles it follows in consolidating or combining the separate financial statements, including the principles followed in determining the inclusion or exclusion of subsidiaries or other entities in the consolidated or combined financial statements and (2) its treatment of interests (for example, common stock, a partnership interest or other means of exerting influence) in other entities, for example consolidation or use of the equity or cost methods of accounting. The accounting policy may also address the accounting treatment for intercompany accounts and transactions, noncontrolling interest, and the income statement treatment in consolidation for issuances of stock by a subsidiary. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483426/235-10-50-4Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 810 -SubTopic 10 -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1 + Details Name: us-gaap_ConsolidationPolicyTextBlock 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 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 39 R27.htm IDEA: XBRL DOCUMENT v3.25.0.1 Summary of significant accounting policies (Tables) 3 Months Ended Dec. 31, 2024 Accounting Policies [Abstract] Â Summary of Cash, Cash Equivalents and Restricted Cash The following table provides a reconciliation of the Companyâ€™s cash and cash equivalents and non-current portion of restricted cash reported within the unaudited condensed consolidated balance sheets that sum to the total cash, cash equivalents and restricted cash shown in the Companyâ€™s condensed consolidated statements of cash flows:(in thousands)December 31,2024September 30,2024Cash and cash equivalents$221,403Â $226,316Â Restricted cash, non-current2,656Â 2,816Â Total cash, cash equivalents and restricted cash$224,059Â $229,132Â X - ReferencesNo definition available. + Details Name: us-gaap_AccountingPoliciesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of cash and cash equivalents restricted as to withdrawal or usage. + 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://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(1)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 8 -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8 + Details Name: us-gaap_ScheduleOfRestrictedCashAndCashEquivalentsTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 40 R28.htm IDEA: XBRL DOCUMENT v3.25.0.1 Revenue (Tables) 3 Months Ended Dec. 31, 2024 Revenue from Contract with Customer [Abstract] Â Contract with Customer, Contract Asset, Contract Liability, and Receivable The following table summarizes our

contract balances: (in thousands)Â December 31,2024September 30,2024Contract assets(1) $1,837Â $2,031Â Contract liabilities(2)1,381Â 2,131Â (1) Consists of unbilled amounts primarily related to Biopharma contracts which consists of research and development agreements with third parties.(2) Consists of receipt of advance payment before our performance obligations related to Biopharma contracts are met. Summary of Revenue by Geographic Region The table below sets forth revenues by geographic region, based on ship-to destinations. Americas consists of the United States, Canada, Mexico and South America; EMEA consists of Europe, the Middle East, and Africa; and APAC consists of Japan, China, South Korea, India, Singapore, Malaysia and Australia.Three months endedDecember 31,(in thousands)20242023Americas$53,709Â $43,959Â EMEA28,30421,220APAC6,7006,319Total$88,713Â $71,498Â Summary of Revenue by Product The table below sets forth revenues by products.Three months endedDecember 31,(in thousands)20242023Synthetic genes$26,485Â $19,726Â Oligo pools5,0944,189DNA libraries2,7942,939Antibody discovery5,6985,226NGS tools48,64239,418Total$88,713Â $71,498Â Summary of Revenue by Industry The table below sets forth revenues by industry.Three months endedDecember 31,(in thousands)20242023Industrial chemicals/materials$21,203Â $16,277Â Academic research17,54613,773Healthcare49,36940,881Food/agricultural595567Total$88,713Â $71,498Â X - DefinitionTabular disclosure of revenue from external customers and long lived assets by industry. + ReferencesNo definition available. + Details Name: twst_ScheduleOfRevenueFromExternalCustomersAndLongLivedAssetsByIndustryTableTextBlock Namespace Prefix: twst_ Data Type: dtr-types1:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of receivable, contract asset, and contract liability from contract with customer. Includes, but is not limited to, change in contract asset and contract liability. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-10 + Details Name: us-gaap_ContractWithCustomerAssetAndLiabilityTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_RevenueFromContractWithCustomerAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of entity-wide revenues from external customers for each product or service or each group of similar products or services if the information is not provided as part of the reportable operating segment information. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 280 -SubTopic 10 -Section 50 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-40 + Details Name: us-gaap_ScheduleOfEntityWideInformationRevenueFromExternalCustomersByProductsAndServicesTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of information concerning material long-lived assets (excluding financial instruments, customer relationships with financial institutions, mortgage and other servicing rights, deferred policy acquisition costs, and deferred taxes assets) located in identified geographic areas and/or the amount of revenue from external customers attributed to that country from which revenue is material. An entity may also provide subtotals of geographic information about groups of countries. + 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(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 280 -SubTopic 10 -Section 50 -Paragraph 41 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-41 + Details Name: us-gaap_ScheduleOfRevenuesFromExternalCustomersAndLongLivedAssetsByGeographicalAreasTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 41 R29.htm IDEA: XBRL DOCUMENT v3.25.0.1 Cash and Cash Equivalents (Tables) 3 Months Ended Dec. 31, 2024 Cash and Cash Equivalents [Abstract] Â Summary of Debt Securities Available-for-Sale The following table sets forth the cash and cash equivalents, and investments as of DecemberÂ 31, 2024:(in thousands)Amortized costGross unrealized gainsGross unrealized lossesFair valueCash$28,357Â $â€”Â $â€”Â $28,357Â Cash equivalents - money market funds193,046Â â€”Â â€”Â 193,046Â Total cash and cash equivalents$221,403Â $â€”Â $â€”Â $221,403Â Short-term investments:U.S. government treasury bills$49,371Â $53Â $â€”Â $49,424Â Total short-term investments$49,371Â $53Â $â€”Â $49,424Â Non-current assets - equity investment in privately held companies$1,525Â $â€”Â $â€”Â $1,525Â Total cash, cash equivalents and investments$272,299Â $53Â $â€”Â $272,352Â The following table sets forth the cash and cash equivalents, and investments as of SeptemberÂ 30, 2024:(in thousands)Amortized costGross unrealized gainsGross unrealized lossesFair valueCash$26,458Â $â€”Â $â€”Â $26,458Â Cash equivalents - money market funds199,858Â â€”Â â€”Â 199,858Â Total cash and cash equivalents$226,316Â $â€”Â $â€”Â $226,316Â Short-term investments:U.S. government treasury bills$49,964Â $119Â $â€”Â $50,083Â Total short-term investments$49,964Â $119Â $â€”Â $50,083Â Non-current assets - equity investment in privately held companies$1,525Â $â€”Â $â€”Â $1,525Â Total cash, cash equivalents and investments$277,805Â $119Â $â€”Â $277,924Â Summary of Cash and Cash Equivalents The following table sets forth the cash and cash equivalents, and investments as of DecemberÂ 31, 2024:(in thousands)Amortized costGross unrealized gainsGross unrealized lossesFair valueCash$28,357Â $â€”Â $â€”Â $28,357Â Cash equivalents - 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ReferencesNo definition available. + Details Name: us-gaap_CashAndCashEquivalentsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure 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/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-9Reference 2: 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 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-2Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-2Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -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 6: http://www.xbrl.org/2009/role/commonPracticeRef -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 7: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (aaa) -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 50 -Paragraph 2 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-2Reference 9: 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/1943274/2147481800/320-10-50-3Reference 10: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-3Reference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-3Reference 12: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-3 + Details Name: us-gaap_DebtSecuritiesAvailableForSaleTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the components of cash and cash equivalents. + ReferencesNo definition available. + Details Name: us-gaap_ScheduleOfCashAndCashEquivalentsTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 42 R30.htm IDEA: XBRL DOCUMENT v3.25.0.1 Fair value measurement (Tables) 3 Months Ended Dec. 31, 2024 Fair Value Disclosures [Abstract] Â Summary of Cash and Cash Equivalents The following table sets forth the cash and cash equivalents, and investments as of DecemberÂ 31, 2024:(in thousands)Amortized costGross unrealized gainsGross unrealized lossesFair valueCash$28,357Â $â€”Â $â€”Â $28,357Â Cash equivalents - money market funds193,046Â â€”Â â€”Â 193,046Â Total cash and cash equivalents$221,403Â $â€”Â $â€”Â $221,403Â Short-term investments:U.S. government treasury bills$49,371Â $53Â $â€”Â $49,424Â Total short-term investments$49,371Â $53Â $â€”Â $49,424Â Non-current assets - equity investment in privately held companies$1,525Â $â€”Â $â€”Â $1,525Â Total cash, cash equivalents and investments$272,299Â $53Â $â€”Â $272,352Â The following table sets forth the cash and cash equivalents, and investments as of SeptemberÂ 30, 2024:(in thousands)Amortized costGross unrealized gainsGross unrealized lossesFair valueCash$26,458Â $â€”Â $â€”Â $26,458Â Cash equivalents - money market funds199,858Â â€”Â â€”Â 199,858Â Total cash and cash equivalents$226,316Â $â€”Â $â€”Â $226,316Â Short-term investments:U.S. government treasury bills$49,964Â $119Â $â€”Â $50,083Â Total short-term investments$49,964Â $119Â $â€”Â $50,083Â Non-current assets - equity investment in privately held companies$1,525Â $â€”Â $â€”Â $1,525Â Total cash, cash equivalents and investments$277,805Â $119Â $â€”Â $277,924Â Summary of Debt Securities Available-for-Sale The following table sets forth the cash and cash equivalents, and investments as of DecemberÂ 31, 2024:(in thousands)Amortized costGross unrealized gainsGross unrealized lossesFair valueCash$28,357Â $â€”Â $â€”Â $28,357Â Cash equivalents - money market funds193,046Â â€”Â â€”Â 193,046Â Total cash and cash equivalents$221,403Â $â€”Â $â€”Â $221,403Â Short-term investments:U.S. government treasury bills$49,371Â $53Â $â€”Â $49,424Â Total short-term investments$49,371Â $53Â $â€”Â $49,424Â Non-current assets - equity investment in privately held companies$1,525Â $â€”Â $â€”Â $1,525Â Total cash, cash equivalents and investments$272,299Â $53Â $â€”Â $272,352Â The following table sets forth the cash and cash equivalents, and investments as of SeptemberÂ 30, 2024:(in thousands)Amortized costGross unrealized gainsGross unrealized lossesFair valueCash$26,458Â $â€”Â $â€”Â $26,458Â Cash equivalents - money market funds199,858Â â€”Â â€”Â 199,858Â Total cash and cash equivalents$226,316Â $â€”Â $â€”Â $226,316Â Short-term investments:U.S. government treasury bills$49,964Â $119Â $â€”Â $50,083Â Total short-term investments$49,964Â $119Â $â€”Â $50,083Â Non-current assets - equity investment in privately held companies$1,525Â $â€”Â $â€”Â $1,525Â Total cash, cash equivalents and investments$277,805Â $119Â $â€”Â $277,924Â Summary of Company's Financial Assets and Liabilities Measured at Fair Value on a Recurring Basis As of DecemberÂ 31, 2024, financial assets measured and recognized at fair value are as follows:(in thousands)Level 1Level 2Level 3Fair valueAssetsÂ Â Â Â Money market funds$193,046Â $â€”Â $â€”Â $193,046Â U.S. government treasury bills49,424Â â€”Â â€”Â 49,424Â Total financial assets$242,470Â $â€”Â $â€”Â $242,470Â As of SeptemberÂ 30, 2024, financial assets measured and recognized at fair value are as follows:(in thousands)Level 1Level 2Level 3Fair valueAssetsÂ Â Â Â Money market funds$199,858Â $â€”Â $â€”Â $199,858Â U.S. government treasury bills50,083â€”Â â€”Â 50,083Total financial assets$249,941Â $â€”Â $â€”Â $249,941Â X - DefinitionTabular disclosure 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/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-9Reference 2: 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 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-2Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-2Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -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 6: http://www.xbrl.org/2009/role/commonPracticeRef -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 7: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (aaa) -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 50 -Paragraph 2 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-2Reference 9: 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/1943274/2147481800/320-10-50-3Reference 10: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-3Reference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-3Reference 12: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-3 + Details Name: us-gaap_DebtSecuritiesAvailableForSaleTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of financial instrument measured at fair value on recurring or nonrecurring basis. Includes, but is not limited to, instrument classified in shareholders' equity. + 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/1943274/2147482106/820-10-50-2Reference 3: 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 4: http://www.xbrl.org/2009/role/commonPracticeRef -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_FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_FairValueDisclosuresAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the components of cash and cash equivalents. + ReferencesNo definition available. + Details Name: us-gaap_ScheduleOfCashAndCashEquivalentsTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 43 R31.htm IDEA: XBRL DOCUMENT v3.25.0.1 Balance sheet components (Tables) 3 Months Ended Dec. 31, 2024 Balance Sheet Related Disclosures [Abstract] Â Summary of Inventories Inventories

consist of the following:(in thousands)December 31,2024September 30,2024Raw materials$16,031Â $17,316Â Work-in-process2,6372,146Finished goods4,8504,616$23,518Â $24,078Â Summary of Property, Plant and Equipment Property and Equipment, net consists of the following:(in thousands)Â December 31,2024September 30,2024Laboratory equipment$99,730Â $99,528Â Furniture, fixtures and other equipment2,942Â 2,944Â Vehicles211Â 211Â Computer equipment3,278Â 3,249Â Computer software10,105Â 10,095Â Leasehold improvements57,460Â 57,448Â Construction in progress8,331Â 4,688Â $182,057Â $178,163Â Less: Accumulated depreciation and amortization(81,388)(75,643)$100,669Â $102,520Â Summary of Other Current Liabilities Other current liabilities consist of the following:(in thousands)December 31,2024September 30,2024Income and other taxes payable$3,267$2,725Contract liabilities1,3812,131Other current liabilities594961$5,242Â $5,817Â X - ReferencesNo definition available. + Details Name: us-gaap_BalanceSheetRelatedDisclosuresAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of other current liabilities. + ReferencesNo definition available. + Details Name: us-gaap_OtherCurrentLiabilitiesTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of physical assets used in the normal conduct of business and not intended for resale. Includes, but is not limited to, balances by class of assets, depreciation and depletion expense and method used, including composite depreciation, and accumulated deprecation. + 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/1943274/2147482099/360-10-50-1 + Details Name: us-gaap_PropertyPlantAndEquipmentTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the carrying amount as of the balance sheet date of merchandise, goods, commodities, or supplies held for future sale or to be used in manufacturing, servicing or production process. + 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(6)(a)) -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(6)(b)) -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(6)(c)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 210 -SubTopic 10 -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483489/210-10-50-1 + Details Name: us-gaap_ScheduleOfInventoryCurrentTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 44 R32.htm IDEA: XBRL DOCUMENT v3.25.0.1 Goodwill and intangible assets (Tables) 3 Months Ended Dec. 31, 2024 Goodwill and Intangible Assets Disclosure [Abstract] Â Schedule of Goodwill balance The goodwill balance is presented below:(in thousands)December 31, 2024September 30, 2024Balance at beginning of period/year$85,811Â $85,811Â Balance at end of period/year $85,811Â $85,811Â Summary of Intangible Assets The finite-lived intangible assets balances are presented below:December 31, 2024(in thousands, except for years)Weighted averageAmortization periodin yearsGrosscarryingamountAccumulatedamortizationNet bookvalueDeveloped Technology17$19,120Â $(4,905)$14,215Â Customer Relationshipsâ€”510Â (510)â€”Â Total finite-lived intangible assets$19,630Â $(5,415)$14,215Â September 30, 2024(in thousands, except for years)Weighted averageAmortization periodin yearsGrosscarryingamountImpairmentAccumulatedamortizationNet bookvalueDeveloped Technology17$50,020Â $(25,198)$(10,344)$14,478Â Customer Relationshipsâ€”15,210Â (10,541)(4,669)â€”Â Tradenames & Trademarksâ€”900Â (125)(775)â€”Â Total finite-lived intangible assets$66,130Â $(35,864)$(15,788)$14,478Â X - ReferencesNo definition available. + Details Name: us-gaap_GoodwillAndIntangibleAssetsDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of assets, excluding financial assets and goodwill, lacking physical substance with a finite life, by either major class or business segment. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2 + Details Name: us-gaap_ScheduleOfFiniteLivedIntangibleAssetsTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of goodwill by reportable segment and in total which includes a rollforward schedule. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482548/350-20-55-24Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 6: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 7: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 9: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 10: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1AReference 12: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-2 + Details Name: us-gaap_ScheduleOfGoodwillTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 45 R33.htm IDEA: XBRL DOCUMENT v3.25.0.1 Leases (Tables) 3 Months Ended Dec. 31, 2024 Leases [Abstract] Â Schedule of Supplemental Balance Sheet Information Relating to Companies Operating Lease The following table presents the Company's right-of-use assets and lease liabilities related to the Companyâ€™s operating leases as of DecemberÂ 31, 2024:(in thousands)December 31,2024Assets:Â Operating lease right-of-use asset$56,475Â Current liabilities:Current portion of operating lease liabilities$15,030Â Noncurrent liabilities:Operating lease liabilities, net of current portion$67,586Â Schedule of Future Minimum Rental Payments for Operating Leases Future minimum lease payments under all non-cancelable operating leases as of DecemberÂ 31, 2024 are as follows:(in thousands)OperatingleasesYears ending September 30:Â Remainder of 2025$11,156Â 202613,88520278,37120288,47120296,609Thereafter81,405Total minimum lease payments$129,897Â Less: imputed interest(47,281)Total operating lease liabilities$82,616Â Less: current portion(15,030)Operating lease liabilities, net of current portion$67,586Â Lease, Cost The components of lease expense and supplemental information were as follows: Three months endedDecember 31,(in thousands except years and percentage)20242023Operating lease costs$3,738Â $4,010Â Variable lease costs1,920Â 1,538Â Weighted-average remaining lease term (in years) - operating leases15.2 years15.3 yearsWeighted-average discount rate - operating leases6.5Â %6.5Â %Supplemental cash flow information related to leases are as follows:Three months endedDecember 31,(in thousands)20242023Cash payments included in the measurement of operating lease liabilities$3,700Â $3,700Â X - DefinitionSupplemental balance sheet information relating to companies operating lease [Table text block]. + ReferencesNo definition available. + Details Name: twst_SupplementalBalanceSheetInformationRelatingToCompaniesOperatingLeaseTableTextBlock Namespace Prefix: twst_ Data Type: dtr-types1:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of lessee's lease cost. Includes, but is not limited to, interest expense for finance lease, amortization of right-of-use asset for finance lease, operating lease cost, short-term lease cost, variable lease cost and sublease income. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -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_LeaseCostTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na 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 - DefinitionTabular disclosure of undiscounted cash flows of lessee's operating lease liability. Includes, but is not limited to, reconciliation of undiscounted cash flows to operating lease liability recognized in statement of financial position. + 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_LesseeOperatingLeaseLiabilityMaturityTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 46 R34.htm IDEA: XBRL DOCUMENT v3.25.0.1 Stock-based compensation (Tables) 3 Months Ended Dec. 31, 2024 Share-Based Payment Arrangement [Abstract] Â Schedule of Stock-Based Compensation Expenses The Company recorded stock-based compensation expense in the condensed consolidated statement of operations and comprehensive loss for the periods presented as follows (in thousands):Three months endedDecember 31,(in thousands)20242023Cost of revenues$1,206Â $924Â Research and development2,7392,838Selling, general and administrative8,0467,258Total stock-based compensation expense$11,991Â $11,020Â Schedule of Nonvested Restricted Stock Units Activity during the three months ended DecemberÂ 31, 2024 was as follows:(in thousands, except per share data)SharesWeighted average grant date fair value per shareNonvested shares at September 30, 20241,964$32.13Â Granted1,01647.34Vested/Issued(224)39.03Forfeited(132)31.82Nonvested shares at December 31, 20242,624$37.44Â Schedule of Nonvested Performance-based Units Activity A summary of the Companyâ€™s performance-based restricted stock units during the three months ended DecemberÂ 31, 2024 was as follows:(in thousands, except per share data)SharesWeighted average grant date fair value per shareNonvested shares at September 30, 20241,167$27.01Â Granted1,29847.85Vested/Issued(312)44.89Forfeited(90)20.83Nonvested shares at December 31, 20242,063$37.69Â Schedule of Activity Under Option and Performance Stock Options A summary of the Companyâ€™s stock option activity excluding the performance-based stock options during the three months ended DecemberÂ 31, 2024 was as follows:(in thousands, except per share data)SharesWeighted average exercise price per shareWeighted average remaining contractual term (years)Aggregate intrinsic valueOutstanding at September 30, 20241,619Â $24.51Â 4.27$36,798Â Forfeited(2)41.64â€”Â â€”Â Exercised(169)17.41â€”Â 4,881Â Outstanding at December 31, 20241,447Â Â $25.31 4.09$33,816Â Vested and exercisable at December 31, 20241,445Â $25.19Â 4.09$33,816Â A summary of the Companyâ€™s performance-based stock option activity during the three months ended DecemberÂ 31, 2024 was as follows:(in thousands, except per share data)SharesWeighted average exercise price per shareWeighted average remaining contractual term (years)Aggregate intrinsic valueOutstanding at September 30, 2024273$59.83Â 6.39$1,042Â Outstanding at December 31, 2024273$59.83Â 6.13$1,139Â Vested and exercisable at DecemberÂ 31, 2024243$63.36Â 5.99$683Â Summary of Stock Option Valuation Assumptions The number of shares of the Company's common stock reserved for issuance under the 2018 Employee Stock Purchase Plan ("ESPP") at DecemberÂ 31, 2024 was as follows:(In thousands)SharesavailableOutstanding at SeptemberÂ 30, 2024611Additional shares authorized249Shares issued during the periodâ€”Â Outstanding at DecemberÂ 31, 2024860 X - ReferencesNo definition available. + Details Name: us-gaap_DisclosureOfCompensationRelatedCostsSharebasedPaymentsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of allocation of amount expensed and capitalized for award under share-based payment arrangement to statement of income or comprehensive income and statement of financial position. Includes, but is not limited to, corresponding line item in financial statement. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 10 -Section 50 -Paragraph 2 -Subparagraph (h)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the changes in outstanding nonvested performance-based units. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ScheduleOfNonvestedPerformanceBasedUnitsActivityTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the changes in outstanding nonvested restricted stock units. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ScheduleOfNonvestedRestrictedStockUnitsActivityTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure for stock option plans. Includes, but is not limited to, outstanding awards at beginning and end of year, grants, exercises, forfeitures, and weighted-average grant date fair value. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d) -SubTopic 10 -Topic 718 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e) -SubTopic 10 -Topic 718 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ScheduleOfShareBasedCompensationStockOptionsActivityTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the significant assumptions used during the year to estimate the fair value of stock 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 47 R35.htm IDEA: XBRL DOCUMENT v3.25.0.1 Net loss per share (Tables) 3 Months Ended Dec. 31, 2024 Earnings Per Share [Abstract] Â Summary of Computation of the Company's Basic and Diluted Net Loss Per Share Attributable to Common Stockholders The following table sets forth the computation of the Companyâ€™s basic and diluted net loss per share:Three months endedDecember 31,(in thousands, except per share data)20242023Numerator:Net loss$(31,594)$(43,008)Denominator:Weighted average shares used in computing net loss per share, basic and diluted59,16257,497Net loss per share, basic and diluted(0.53)(0.75) Summary of Calculation of Diluted Net Loss Per Share The potentially dilutive common shares that were excluded from the calculation of diluted net loss per share because their effect would have been antidilutive for the periods presented are as follows:Three months endedDecember 31,(in thousands)20242023Shares subject to options (including performance options) to purchase common stock1,7192,253Unvested restricted stock units and performance stock units 4,6863,824Shares subject to employee stock purchase plan68124Total6,4746,201 X -

ReferencesNo definition available. + Details Name: us-gaap_EarningsPerShareAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of securities (including those issuable pursuant to contingent stock agreements) that could potentially dilute basic earnings per share (EPS) in the future that were not included in the computation of diluted EPS because to do so would increase EPS amounts or decrease loss per share amounts for the period presented, by antidilutive securities. + ReferencesReference 1: 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/1943274/2147482662/260-10-50-1 + Details Name: us-gaap_ScheduleOfAntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of an entity's basic and diluted earnings per share calculations, including a reconciliation of numerators and denominators of the basic and diluted per-share computations for income from continuing operations. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1 + Details Name: us-gaap_ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 48 R36.htm IDEA: XBRL DOCUMENT v3.25.0.1 Organization and description of business (Details) - USD ($) $ in Thousands 3 Months Ended Dec. 31, 2024 Dec. 31, 2023 Sep. 30, 2024 Organization, Consolidation and Presentation of Financial Statements [Abstract] Â Â Â Accumulated deficit $ 1,273,502 Â $ 1,241,908 Net loss attributable to common stockholders 31,594 $ 43,008 Â Cash and cash equivalents 221,403 Â 226,316 Short-term investments $ 49,424 Â $ 50,083 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 - 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 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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_OrganizationConsolidationAndPresentationOfFinancialStatementsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na 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 - DefinitionAmount of investments including trading securities, available-for-sale securities, held-to-maturity securities, and short-term investments classified as other and current. + 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(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 2: 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(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_ShortTermInvestments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 49 R37.htm IDEA: XBRL DOCUMENT v3.25.0.1 Summary of significant accounting policies - Summary of Cash, Cash Equivalents and Restricted Cash (Details) - USD ($) $ in Thousands Dec. 31, 2024 Sep. 30, 2024 Dec. 31, 2023 Sep. 30, 2023 Accounting Policies [Abstract] Â Â Â Â Cash and cash equivalents $ 221,403 $ 226,316 Â Â Restricted cash, non-current 2,656 2,816 Â Â Total cash, cash equivalents and restricted cash $ 224,059 $ 229,132 $ 269,116 $ 289,281 X - ReferencesNo definition available. + Details Name: us-gaap_AccountingPoliciesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration 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 - 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 cash restricted as to withdrawal or usage, classified as noncurrent. 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. + 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(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 5 -SubTopic 210 -Topic 954 -Publisher FASB -URI

https://asc.fasb.org/1943274/2147477220/954-210-45-5Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8 + Details Name: us-gaap_RestrictedCashNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 50 R38.htm IDEA: XBRL DOCUMENT v3.25.0.1 Summary of significant accounting policies - Narrative (Details) $ in Millions Oct. 21, 2024 USD ($) Accounting Policies [Abstract] Â Liability related to the sale of future revenue $ 15.0 X - DefinitionLiabilities Related To Sale Of Future Revenue, Noncurrent + ReferencesNo definition available. + Details Name: twst_LiabilitiesRelatedToSaleOfFutureRevenueNoncurrent Namespace Prefix: twst_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_AccountingPoliciesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 51 R39.htm IDEA: XBRL DOCUMENT v3.25.0.1 Revenue - Contract Balances (Details) - USD ($) $ in Thousands Dec. 31, 2024 Sep. 30, 2024 Revenue from Contract with Customer [Abstract] Â Â Contract with customer, asset, after allowance for credit loss $ 1,837 $ 2,031 Contract with customer, liability $ 1,381 $ 2,131 X - DefinitionAmount, after allowance for credit loss, of right to consideration in exchange for good or service transferred to customer when right is conditioned on something other than passage of time. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-3Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-8 + Details Name: us-gaap_ContractWithCustomerAssetNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of obligation to transfer good or service to customer for which consideration has been received or is receivable. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-8Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-2 + Details Name: us-gaap_ContractWithCustomerLiability Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_RevenueFromContractWithCustomerAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 52 R40.htm IDEA: XBRL DOCUMENT v3.25.0.1 Revenue - Narrative (Details) - USD ($) $ in Millions 3 Months Ended Dec. 31, 2024 Dec. 31, 2023 Revenue from Contract with Customer [Abstract] Â Â Contract with customer, liability, revenue recognized $ 1.7 $ 1.3 Revenue, remaining performance obligation, amount $ 8.1 Â X - DefinitionAmount of revenue recognized that was previously included in balance of obligation to transfer good or service to customer for which consideration from customer has been received or is due. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-8 + Details Name: us-gaap_ContractWithCustomerLiabilityRevenueRecognized Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_RevenueFromContractWithCustomerAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of transaction price allocated to performance obligation that has not been recognized as revenue. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (a) -SubTopic 10 -Topic 606 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-13 + Details Name: us-gaap_RevenueRemainingPerformanceObligation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 53 R41.htm IDEA: XBRL DOCUMENT v3.25.0.1 Revenue - Geographic Region (Details) - USD ($) $ in Thousands 3 Months Ended Dec. 31, 2024 Dec. 31, 2023 Segment Reporting Information [Line Items] Â Â Revenue [1] $ 88,713 $ 71,498 Americas Â Â Segment Reporting Information [Line Items] Â Â Revenue 53,709 43,959 EMEA Â Â Segment Reporting Information [Line Items] Â Â Revenue 28,304 21,220 APAC Â Â Segment Reporting Information [Line Items] Â Â Revenue $ 6,700 $ 6,319 [1] During the three months ended DecemberÂ 31, 2024, and 2023, the Company had revenues from related parties in the amount of $4.0 million and $2.3 million, respectively. X - DefinitionAmount, including tax collected from customer, of revenue from satisfaction of performance obligation by transferring promised good or service to customer. Tax collected from customer is tax assessed by governmental authority that is both imposed on and concurrent with specific revenue-producing transaction, including, but not limited to, sales, use, value-added and excise. + 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/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 3: 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 4: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (b) -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 (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 924 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 11.L) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479941/924-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-5Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-40Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-4 + Details Name: us-gaap_RevenueFromContractWithCustomerIncludingAssessedTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit 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_SegmentReportingInformationLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: srt_StatementGeographicalAxis=srt_AmericasMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_StatementGeographicalAxis=us-gaap_EMEAMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_StatementGeographicalAxis=srt_AsiaPacificMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 54 R42.htm IDEA: XBRL DOCUMENT v3.25.0.1 Revenue - By Product (Details) - USD ($) $ in Thousands 3 Months Ended Dec. 31, 2024 Dec. 31, 2023 Segment Reporting Information [Line Items] Â Â Revenue [1] $ 88,713 $ 71,498 Synthetic genes Â Â Segment Reporting Information [Line Items] Â Â Revenue 26,485 19,726 Oligo pools Â Â Segment Reporting Information [Line Items] Â Â Revenue 5,094 4,189 DNA libraries Â Â Segment Reporting Information [Line Items] Â Â Revenue 2,794 2,939 Antibody discovery Â Â Segment Reporting Information [Line Items] Â Â Revenue 5,698 5,226 NGS tools Â Â Segment Reporting Information [Line Items] Â Â Revenue $ 48,642 $ 39,418 [1] During the three months ended DecemberÂ 31, 2024, and 2023, the Company had revenues from related parties in the amount of $4.0 million and $2.3 million, respectively. X - DefinitionAmount, including tax collected from customer, of revenue from satisfaction of performance obligation by transferring promised good or service to customer. Tax collected from customer is tax assessed by governmental authority that is both imposed on and concurrent with specific revenue-producing transaction, including, but not limited to, sales, use, value-added and excise. + 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/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 3: 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 4: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (b) -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 (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 924 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 11.L) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479941/924-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-5Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-40Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-4 + Details Name: us-gaap_RevenueFromContractWithCustomerIncludingAssessedTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit 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_SegmentReportingInformationLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: srt_ProductOrServiceAxis=twst_SyntheticGenesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=twst_OligoPoolsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=twst_DnaAndBiopharmaLibrariesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=twst_AntibodyDiscoveryMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=twst_NgsToolsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 55 R43.htm IDEA: XBRL DOCUMENT v3.25.0.1 Revenue - By Industry (Details) - USD ($) $ in Thousands 3 Months Ended Dec. 31, 2024 Dec. 31, 2023 Segment Reporting Information [Line Items] Â Â Revenue [1] $ 88,713 $ 71,498 Industrial chemicals/materials Â Â Segment Reporting Information [Line Items] Â Â Revenue 21,203 16,277 Academic research Â Â Segment Reporting Information [Line Items] Â Â Revenue 17,546 13,773 Healthcare Â Â Segment Reporting Information [Line Items] Â Â Revenue 49,369 40,881 Food/agricultural Â Â Segment Reporting Information [Line Items] Â Â Revenue $ 595 $ 567 [1] During the three months ended DecemberÂ 31, 2024, and 2023, the Company had revenues from related parties in the amount of $4.0 million and $2.3 million, respectively. X - DefinitionAmount, including tax collected from customer, of revenue from satisfaction of performance obligation by transferring promised good or service to customer. Tax collected from customer is tax assessed by governmental authority that is both imposed on and concurrent with specific revenue-producing transaction, including, but not limited to, sales, use, value-added and excise. + 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/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 3: 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 4: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (b) -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 (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 924 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 11.L) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479941/924-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-5Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-40Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-4 + Details Name: us-gaap_RevenueFromContractWithCustomerIncludingAssessedTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit 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_SegmentReportingInformationLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: twst_IndustrySectorsAxis=twst_IndustrialChemicalsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: twst_IndustrySectorsAxis=twst_AcademicResearchMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: twst_IndustrySectorsAxis=us-gaap_HealthCareMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: twst_IndustrySectorsAxis=twst_FoodOrAgricultureMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 56 R44.htm IDEA: XBRL DOCUMENT v3.25.0.1 Cash and Cash Equivalents (Details) - USD ($) $ in Thousands 3 Months Ended 6 Months Ended Dec. 31, 2024 Mar. 31, 2024 Sep. 30, 2024 Cash and Cash Equivalents [Line Items] Â Â Â Cash and cash equivalents $ 221,403 Â $ 226,316 Short term investments, Amortized cost 49,371 Â 49,964 Gross unrealized gains 53 Â 119 Gross unrealized losses 0 Â 0 U.S. government treasury bills 49,424 Â 50,083 Equity securities, FV-NI, cost 1,525 Â 1,525 Equity securities, FV-NI, unrealized gain 0 $ 0 Â Equity securities, FV-NI, unrealized loss 0 $ 0 Â Equity securities, FV-NI 1,525 Â 1,525 Total cash, cash equivalents and investments, amortized cost 272,299 Â 277,805 Cash, cash equivalents and investments, fair value 272,352 Â 277,924 U.S. government treasury bills Â Â Â Cash and Cash Equivalents [Line Items] Â Â Â Short term investments, Amortized cost 49,371 Â 49,964 Gross unrealized gains 53 Â 119 Gross unrealized losses 0 Â 0 U.S. government treasury bills 49,424 Â 50,083 Cash Â Â Â Cash and Cash Equivalents [Line Items] Â Â Â Cash and cash equivalents 28,357 Â 26,458 Money market funds Â Â Â Cash and Cash Equivalents [Line Items] Â Â Â Cash and cash equivalents $ 193,046 Â $ 199,858 X - DefinitionCash And Cash Equivalents And Short Term Investments Amortized Cost. + ReferencesNo definition available. + Details Name: twst_CashAndCashEquivalentsAndShortTermInvestmentsAmortizedCost Namespace Prefix: twst_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionCash, Cash Equivalents, and Short-Term And Long-Term Investments + ReferencesNo definition available. + Details Name: twst_CashCashEquivalentsAndShortTermAndLongTermInvestments Namespace Prefix: twst_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant 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 - 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 - 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_CashAndCashEquivalentsLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionCost of investment in equity security measured at fair value with change in fair value recognized in net income (FV-NI). Excludes equity method investment and investment in equity security without readily determinable fair value. + 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-S99-1 + Details Name: us-gaap_EquitySecuritiesFvNiCost Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of investment in equity security measured at fair value with change in fair value recognized in net income (FV-NI). + 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/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 3: 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 4: 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 5: 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 6: http://www.xbrl.org/2003/role/exampleRef -Topic 944 -SubTopic 80 -Name Accounting Standards Codification -Section 55 -Paragraph 14 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480078/944-80-55-14Reference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 944 -SubTopic 80 -Name Accounting Standards Codification -Section 55 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480078/944-80-55-9Reference 8: 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)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482736/825-10-45-1AReference 11: 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)(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1 + Details Name: us-gaap_EquitySecuritiesFvNiCurrentAndNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of unrealized gain on investment in equity security measured at fair value with change in fair value recognized in net income (FV-NI). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 321 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479536/321-10-50-4 + Details Name: us-gaap_EquitySecuritiesFvNiUnrealizedGain Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of unrealized loss on investment in equity security measured at fair value with change in fair value recognized in net income (FV-NI). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 321 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479536/321-10-50-4 + Details Name: us-gaap_EquitySecuritiesFvNiUnrealizedLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - Details Name: us-gaap_FinancialInstrumentAxis=us-gaap_USTreasuryBillSecuritiesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_CashAndCashEquivalentsAxis=us-gaap_CashMember 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: XML 57 R45.htm IDEA: XBRL DOCUMENT v3.25.0.1 Fair value measurement - Summary of Company's Financial Assets and Liabilities Measured at Fair Value on a Recurring Basis (Details) - USD ($) $ in Thousands Dec. 31, 2024 Sep. 30, 2024 Assets Â Â U.S. government treasury bills $ 49,424 $ 50,083 Total financial assets 242,470 249,941 U.S. government treasury bills Â Â Assets Â Â U.S. government treasury bills 49,424 50,083 Money market funds Â Â Assets Â Â Money market funds 193,046 199,858 Level 1 Â Â Assets Â Â Total financial assets 242,470 249,941 Level 1 | U.S. government treasury bills Â Â Assets Â Â U.S. government treasury bills 49,424 50,083 Level 1 | Money market funds Â Â Assets Â Â Money market funds 193,046 199,858 Level 2 Â Â Assets Â Â Total financial assets 0 0 Level 2 | U.S. government treasury bills Â Â Assets Â Â U.S. government treasury bills 0 0 Level 2 | Money market funds Â Â Assets Â Â Money market funds 0 0 Level 3 Â Â Assets Â Â Total financial assets 0 0 Level 3 | U.S. government treasury bills Â Â Assets Â Â U.S. government treasury bills 0 0 Level 3 | Money market funds Â Â Assets Â Â Money market funds $ 0 $ 0 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 - ReferencesNo definition available. + Details Name: us-gaap_AssetsFairValueDisclosureAbstract 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). + 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 - Details Name: us-gaap_FinancialInstrumentAxis=us-gaap_USTreasurySecuritiesMember 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_FairValueByFairValueHierarchyLevelAxis=us-gaap_FairValueInputsLevel1Member 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: X - Details Name: us-gaap_FairValueByFairValueHierarchyLevelAxis=us-gaap_FairValueInputsLevel3Member Namespace Prefix: Data Type: na Balance Type: Period Type: XML 58 R46.htm IDEA: XBRL DOCUMENT v3.25.0.1 Fair value measurement - Narrative (Details) - USD ($) 3 Months Ended Dec. 31, 2024 Sep. 30, 2024 Dec. 31, 2023 Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Â Â Â Fair value, measurement with unobservable inputs reconciliation, recurring basis, liability value $ 1,500,000 Â Â Equity Method Investments Â Â Â Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Â Â Â Fair value, measurement with unobservable inputs reconciliation, recurring basis, asset, impairment 0 $ 2,200,000 $ 0 Prepaid Expenses and Other Current Assets Â Â Â Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Â Â Â Interest receivable $ 1,400,000 $ 1,000,000 Â X - DefinitionFair Value, Measurement with Unobservable Inputs Reconciliation, Recurring Basis, Asset, Impairment + ReferencesNo definition available. + Details Name: twst_FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetImpairment Namespace Prefix: twst_ Data Type: xbrli:monetaryItemType Balance Type: credit 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/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 - DefinitionFair value of financial instrument classified as a liability measured using unobservable inputs that reflect the entity's own assumption about the assumptions market participants would use in pricing. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-3Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2 + Details Name: us-gaap_FairValueMeasurementWithUnobservableInputsReconciliationsRecurringBasisLiabilityValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionCarrying amount as of the balance sheet date of interest earned but not received. Also called accrued interest or accrued interest receivable. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 310 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477802/946-310-45-1Reference 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(3)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InterestReceivable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: us-gaap_FairValueByLiabilityClassAxis=us-gaap_EquityMethodInvestmentsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_BalanceSheetLocationAxis=us-gaap_PrepaidExpensesAndOtherCurrentAssetsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 59 R47.htm IDEA: XBRL DOCUMENT v3.25.0.1 Balance sheet components - Narrative (Details) - USD ($) 3 Months Ended Dec. 31, 2024 Dec. 31, 2023 Sep. 30, 2024 Balance Sheet Related Disclosures [Abstract] Â Â Â Accounts receivable, allowance for credit loss $ 700,000 Â $ 700,000 Other inventory, materials, supplies and merchandise under consignment, gross 0 Â $ 0 Depreciation $ 6,100,000 $ 6,900,000 Â X - DefinitionAmount of allowance for credit loss on accounts receivable. + 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)(5)) -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(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479344/326-20-45-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481962/310-10-50-4Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479319/326-20-50-13Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479319/326-20-50-13 + Details Name: us-gaap_AllowanceForDoubtfulAccountsReceivable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_BalanceSheetRelatedDisclosuresAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe amount of expense recognized in the current period that reflects the allocation of the cost of tangible assets over the assets' useful lives. Includes production and non-production related depreciation. + 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 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1 + Details Name: us-gaap_Depreciation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionGross amount of inventory owned by the entity but in the hands of a customer, typically a reseller. + 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(6)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_OtherInventoryMaterialsSuppliesAndMerchandiseUnderConsignment Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 60 R48.htm IDEA: XBRL DOCUMENT v3.25.0.1 Balance sheet components - Inventory (Details) - USD ($) $ in Thousands Dec. 31, 2024 Sep. 30, 2024 Balance Sheet Related Disclosures [Abstract] Â Â Raw materials $ 16,031 $ 17,316 Work-in-process 2,637 2,146 Finished goods 4,850 4,616 Total inventories $ 23,518 $ 24,078 X - ReferencesNo definition available. + Details Name: us-gaap_BalanceSheetRelatedDisclosuresAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount before valuation and LIFO reserves of completed merchandise or goods expected to be sold within one year or 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(6)(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryFinishedGoods Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount after valuation and LIFO reserves of inventory expected to be sold, or consumed within one year or operating cycle, if longer. + 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/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount before valuation and LIFO reserves of raw materials expected to be sold, or consumed within one year or 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(6)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryRawMaterials Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount before valuation and LIFO reserves of merchandise or goods in the production process expected to be completed within one year or 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(6)(a)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryWorkInProcess Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 61 R49.htm IDEA: XBRL DOCUMENT v3.25.0.1 Balance sheet components - Summary of Property, Plant and Equipment (Details) - USD ($) $ in Thousands Dec. 31, 2024 Sep. 30, 2024 Property, Plant and Equipment [Line Items] Â Â Property and equipment, gross $ 182,057 $ 178,163 Less: Accumulated depreciation and amortization (81,388) (75,643) Property and equipment, net 100,669 102,520 Laboratory equipment Â Â Property, Plant and Equipment [Line Items] Â Â Property and equipment, gross 99,730 99,528 Furniture, fixtures and other equipment Â Â Property, Plant and Equipment [Line Items] Â Â Property and equipment, gross 2,942 2,944 Vehicles Â Â Property, Plant and Equipment [Line Items] Â Â Property and equipment, gross 211 211 Computer equipment Â Â Property, Plant and Equipment [Line Items] Â Â Property and equipment, gross 3,278 3,249 Computer software Â Â Property, Plant and Equipment [Line Items] Â Â Property and equipment, gross 10,105 10,095 Leasehold improvements Â Â Property, Plant and Equipment [Line Items] Â Â Property and equipment, gross 57,460 57,448 Construction in progress Â Â Property, Plant and Equipment [Line Items] Â Â Property and equipment, gross $ 8,331 $ 4,688 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 - 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=twst_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: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=us-gaap_VehiclesMember 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_SoftwareAndSoftwareDevelopmentCostsMember 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 62 R50.htm IDEA: XBRL DOCUMENT v3.25.0.1 Balance sheet components - Other current liabilities (Details) - USD ($) $ in Thousands Dec. 31, 2024 Sep. 30, 2024 Balance Sheet Related Disclosures [Abstract] Â Â Income and other taxes payable $ 3,267 $ 2,725 Contract liabilities 1,381 2,131 Other current liabilities 594 961 Other current liabilities $ 5,242 $ 5,817 X - DefinitionAmount of liabilities classified as other, due within one year or the normal operating cycle, if longer, other business acquisition contingent consideration and taxes payable. + ReferencesNo definition available. + Details Name: twst_OtherLiabilitiesCurrentOtherThanContingentConsiderationAndTaxes Namespace Prefix: twst_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_BalanceSheetRelatedDisclosuresAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of deferred income and obligation to transfer product and service to customer for which consideration has been received or is receivable, classified as current. + 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(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_DeferredRevenueCurrent 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 X - DefinitionCarrying value as of the balance sheet date of obligations incurred and payable for statutory income, sales, use, payroll, excise, real, property and other taxes. 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-S99-1Reference 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(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_TaxesPayableCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 63 R51.htm IDEA: XBRL DOCUMENT v3.25.0.1 Goodwill and intangible assets - Summary of Goodwill (Details) - USD ($) $ in Thousands Dec. 31, 2024 Sep. 30, 2024 Goodwill [Roll Forward] Â Â Balance at beginning of year $ 85,811 $ 85,811 Balance at end of year $ 85,811 $ 85,811 X - DefinitionAmount, after accumulated impairment loss, of asset representing future economic benefit arising from other asset acquired in business combination or from joint venture formation or both, that is not individually identified and separately recognized. + ReferencesReference 1: 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 2: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482548/350-20-55-24Reference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 100 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-100Reference 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/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(15)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482598/350-20-45-1Reference 7: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 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(10)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1 + Details Name: us-gaap_Goodwill Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit 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_GoodwillRollForward Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 64 R52.htm IDEA: XBRL DOCUMENT v3.25.0.1 Goodwill and intangible assets - Intangible Assets Balances (Details) - USD ($) $ in Thousands 12 Months Ended Sep. 30, 2024 Dec. 31, 2024 Acquired Finite-Lived Intangible Assets [Line Items] Â Â Gross carrying amount $ 66,130 $ 19,630 Impairment (35,864) Â Accumulated amortization (15,788) (5,415) Intangible assets, net $ 14,478 $ 14,215 Developed Technology Â Â Acquired Finite-Lived Intangible Assets [Line Items] Â Â Weighted average Amortization period in years 17 years 17 years Gross carrying amount $ 50,020 $ 19,120 Impairment (25,198) Â Accumulated amortization (10,344) (4,905) Intangible assets, net 14,478 14,215 Customer Relationships Â Â Acquired Finite-Lived Intangible Assets [Line Items] Â Â Gross carrying amount 15,210 510 Impairment (10,541) Â Accumulated amortization (4,669) (510) Intangible assets, net 0 $ 0 Tradenames & Trademarks Â Â Acquired Finite-Lived Intangible Assets [Line Items] Â Â Gross carrying amount 900 Â Impairment (125) Â Accumulated amortization (775) Â Intangible assets, net $ 0 Â 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 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2 + Details Name: us-gaap_AcquiredFiniteLivedIntangibleAssetsLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionUseful life of finite-lived intangible assets, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. + ReferencesNo definition available. + Details Name: us-gaap_FiniteLivedIntangibleAssetUsefulLife Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: instant X - DefinitionAccumulated amount of amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 10 -Name Accounting Standards Codification -Section S45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480265/350-10-S45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_FiniteLivedIntangibleAssetsAccumulatedAmortization Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount before amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 10 -Name Accounting Standards Codification -Section S45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480265/350-10-S45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 928 -SubTopic 340 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478859/928-340-50-1 + Details Name: us-gaap_FiniteLivedIntangibleAssetsGross Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount after amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 926 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483154/926-20-50-5 + Details Name: us-gaap_FiniteLivedIntangibleAssetsNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionThe amount of impairment loss recognized in the period resulting from the write-down of the carrying amount of a finite-lived intangible asset to fair value. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482686/350-30-45-2Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-3Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_ImpairmentOfIntangibleAssetsFinitelived Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - Details Name: us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap_DevelopedTechnologyRightsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap_CustomerRelationshipsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap_TrademarksAndTradeNamesMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 65 R53.htm IDEA: XBRL DOCUMENT v3.25.0.1 Goodwill and intangible assets - Narrative (Details) - USD ($) $ in Millions 3 Months Ended Dec. 31, 2024 Dec. 31, 2023 Goodwill and Intangible Assets Disclosure [Abstract] Â Â Total amortization expense related to intangible assets $ 0.3 $ 1.3 X - DefinitionThe aggregate expense charged against earnings to allocate the cost of intangible assets (nonphysical assets not used in production) in a systematic and rational manner to the periods expected to benefit from such assets. As a noncash expense, this element is added back to net income when calculating cash provided by or used in operations using the indirect method. + 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 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482686/350-30-45-2 + Details Name: us-gaap_AmortizationOfIntangibleAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_GoodwillAndIntangibleAssetsDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 66 R54.htm IDEA: XBRL DOCUMENT v3.25.0.1 Leases - Operating Leases On Balance Sheet (Detail) - USD ($) $ in Thousands Dec. 31, 2024 Sep. 30, 2024 Assets: Â Â Operating lease right-of-use asset $ 56,475 $ 58,829 Current liabilities: Â Â Current portion of operating lease liability 15,030 14,805 Noncurrent liabilities: Â Â Operating lease liabilities, net of current portion $ 67,586 $ 70,221 X - ReferencesNo definition available. + Details Name: us-gaap_AssetsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_LiabilitiesCurrentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_LiabilitiesNoncurrentAbstract 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 XML 67 R55.htm IDEA: XBRL DOCUMENT v3.25.0.1 Leases - Minimum Rental Payments (Detail) - USD ($) $ in Thousands Dec. 31, 2024 Sep. 30, 2024 Leases [Abstract] Â Â Remainder of 2025 $ 11,156 Â 2026 13,885 Â 2027 8,371 Â 2028 8,471 Â 2029 6,609 Â Thereafter 81,405 Â Total minimum lease payments 129,897 Â Less: imputed interest (47,281) Â Total operating lease liabilities 82,616 Â Less: current portion (15,030) $ (14,805) Operating lease liabilities, net of current portion $ 67,586 $ 70,221 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: twst_LesseeOperatingLeaseLiabilityToBePaidAfterYearFour Namespace Prefix: twst_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant 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 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 - 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 - 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 XML 68 R56.htm IDEA: XBRL DOCUMENT v3.25.0.1 Leases - Components of Lease Expense and Supplemental Information (Details) - USD ($) $ in Thousands 3 Months Ended Dec. 31, 2024 Dec. 31, 2023 Leases [Abstract] Â Â Operating lease costs $ 3,738 $ 4,010 Variable lease costs $ 1,920 $ 1,538 Lease weighted-average remaining lease term 15 years 2 months 12 days 15 years 3 months 18 days Lease weighted average discount rate 6.50% 6.50% 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 - 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 69 R57.htm IDEA: XBRL DOCUMENT v3.25.0.1 Leases - Supplemental Cash Flow Information (Details) - USD ($) $ in Millions 3 Months Ended Dec. 31, 2024 Dec. 31, 2023 Leases [Abstract] Â Â Cash payments included in the measurement of operating lease liabilities $ 3.7 $ 3.7 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 cash outflow from operating lease, excluding payments 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_OperatingLeasePayments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration XML 70 R58.htm IDEA: XBRL DOCUMENT v3.25.0.1 Related party transactions - (Details) - USD ($) $ in Thousands 3 Months Ended Dec. 31, 2024 Dec. 31, 2023 Sep. 30, 2024 Related Party Transaction [Line Items] Â Â Â Revenue [1] $ 88,713 $ 71,498 Â Raw materials purchased from related party investor Â 1,300 Â Accounts receivable, net 39,315 Â $ 34,903 Accounts payable 7,503 Â 1,630 Related Party Â Â Â Related Party Transaction [Line Items] Â Â Â Revenue 4,000 $ 2,300 Â Accounts receivable, net 700 Â 500 Accounts payable $ 0 Â $ 0 [1] During the three months ended DecemberÂ 31, 2024, and 2023, the Company had revenues from related parties in the amount of $4.0 million and $2.3 million, respectively. 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 allowance for credit loss, of right to consideration from customer for product sold and service rendered in normal course of business, classified as current. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481990/310-10-45-2 + Details Name: us-gaap_AccountsReceivableNetCurrent 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 310 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481990/310-10-45-13Reference 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)(c)(2)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 3: 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)(c)(2)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 4: 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)(g)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1 + Details Name: us-gaap_RelatedPartyTransactionLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionPurchases during the period (excluding transactions that are eliminated in consolidated or combined financial statements) with related party. + ReferencesNo definition available. + Details Name: us-gaap_RelatedPartyTransactionPurchasesFromRelatedParty Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount, including tax collected from customer, of revenue from satisfaction of performance obligation by transferring promised good or service to customer. Tax collected from customer is tax assessed by governmental authority that is both imposed on and concurrent with specific revenue-producing transaction, including, but not limited to, sales, use, value-added and excise. + 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/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 3: 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 4: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (b) -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 (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 924 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 11.L) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479941/924-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-5Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-40Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-4 + Details Name: us-gaap_RevenueFromContractWithCustomerIncludingAssessedTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - Details Name: us-gaap_RelatedPartyTransactionsByRelatedPartyAxis=us-gaap_RelatedPartyMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 71 R59.htm IDEA: XBRL DOCUMENT v3.25.0.1 Income taxes (Details) - USD ($) $ in Thousands 3 Months Ended Dec. 31, 2024 Dec. 31, 2023 Income Tax Disclosure [Abstract] Â Â Income tax benefit $ 97 $ 120 X - ReferencesNo definition available. + Details Name: us-gaap_IncomeTaxDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations. + ReferencesReference 1: 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 2: 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 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231Reference 5: 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 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 6.I.7) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479360/740-10-S99-1Reference 7: 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 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-10Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Subparagraph (a) -SubTopic 20 -Topic 740 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482659/740-20-45-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(h)) -SubTopic 10 -Topic 235 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1 + Details Name: us-gaap_IncomeTaxExpenseBenefit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration XML 72 R60.htm IDEA: XBRL DOCUMENT v3.25.0.1 Common stock (Details) 3 Months Ended Dec. 31, 2024 vote $ / shares Sep. 30, 2024 $ / shares Equity [Abstract] Â Â Common stock, par value (in usd per share) | $ / shares $ 0.00001 $ 0.00001 Number of votes per share | vote 1 Â X - DefinitionCommon Stock, Number Of Votes Per Share + ReferencesNo definition available. + Details Name: twst_CommonStockNumberOfVotesPerShare Namespace Prefix: twst_ Data Type: xbrli:integerItemType Balance Type: na Period Type: duration 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 - ReferencesNo definition available. + Details Name: us-gaap_EquityAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 73 R61.htm IDEA: XBRL DOCUMENT v3.25.0.1 Stock-based compensation - Expense (Details) - USD ($) $ in Thousands 3 Months Ended Dec. 31, 2024 Dec. 31, 2023 Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Â Â Stock based compensation expense $ 11,991 $ 11,020 Cost of revenues Â Â Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Â Â Stock based compensation expense 1,206 924 Research and development Â Â Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Â Â Stock based compensation expense 2,739 2,838 Selling, general and administrative Â Â Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Â Â Stock based compensation expense $ 8,046 $ 7,258 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_CostOfSalesMember Namespace Prefix: Data Type: na Balance Type: Period Type: 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_SellingGeneralAndAdministrativeExpensesMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 74 R62.htm IDEA: XBRL DOCUMENT v3.25.0.1 Stock-based compensation expense - Activity Under The Equity Incentive Plans (Details) shares in Thousands 3 Months Ended Dec. 31, 2024 $ / shares shares Restricted Stock Unit Â Number of Shares Â Beginning balance (in shares) | shares 1,964 Granted (in shares) | shares 1,016 Vested/Issued (in shares) | shares (224) Forfeited (in shares) | shares (132) Ending balance (in shares) | shares 2,624 Weighted average grant date fair value per share Â Beginning balance (in usd per share) | $ / shares $ 32.13 Granted (in usd per share) | $ / shares 47.34 Vested (in usd per share) | $ / shares 39.03 Forfeited (in usd per share) | $ / shares 31.82 Ending balance (in usd per share) | $ / shares $ 37.44 Performance Stock Unit Â Number of Shares Â Beginning balance (in shares) | shares 1,167 Granted (in shares) | shares 1,298 Vested/Issued (in shares) | shares (312) Forfeited (in shares) | shares (90) Ending balance (in shares) | shares 2,063 Weighted average grant date fair value per share Â Beginning balance (in usd per share) | $ / shares $ 27.01 Granted (in usd per share) | $ / shares 47.85 Vested (in usd per share) | $ / shares 44.89 Forfeited (in usd per share) | $ / shares 20.83 Ending balance (in usd per share) | $ / shares $ 37.69 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 - 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_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedRollForward Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration 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 - ReferencesNo definition available. + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedWeightedAverageGrantDateFairValueRollForward Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration 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 - Details Name: us-gaap_AwardTypeAxis=us-gaap_RestrictedStockUnitsRSUMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AwardTypeAxis=twst_PerformanceStockUnitMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 75 R63.htm IDEA: XBRL DOCUMENT v3.25.0.1 Stock-based compensation - Narrative (Details) - USD ($) 3 Months Ended Dec. 31, 2024 Dec. 31, 2023 Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Â Â Unrecognized compensation cost, options $ 100,000 Â Stock based compensation expense 11,991,000 $ 11,020,000 Restricted Stock Unit Â Â Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Â Â Unrecognized compensation cost, stock options $ 91,700,000 Â Recognize cost weighted average period 3 years 1 month 6 days Â Grant date fair value $ 48,100,000 Â Performance Stock Unit Â Â Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Â Â Unrecognized compensation cost, stock options $ 66,400,000 Â Recognize cost weighted average period 2 years Â Grant date fair value $ 62,100,000 Â Performance Stock Unit | Minimum Â Â Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Â Â Percentage of PSUs that may vest based on performance 0.00% Â Performance Stock Unit | Minimum | Employee Â Â Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Â Â Vesting period 10 months Â Performance Stock Unit | Maximum Â Â Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Â Â Percentage of PSUs that may vest based on performance 140.00% Â Performance Stock Unit | Maximum | Employee Â Â Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Â Â Vesting period 34 months Â Option Â Â Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Â Â Recognize cost weighted average period 9 months 18 days Â Performance Stock Options Â Â Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Â Â Recognize cost weighted average period 3 months 18

days Â Unrecognized compensation cost, options $ 100,000 Â Performance Stock Options | Executive Officers and Senior Level Employees Â Â Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Â Â Vest outstanding (in shares) 30,000 Â Shares subject to options (including performance options) to purchase common stock | 2024 ESPP Â Â Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Â Â Stock based compensation expense $ 500,000 Â Shares subject to options (including performance options) to purchase common stock | 2018 ESPP Â Â Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Â Â Stock based compensation expense $ 0 Â X - DefinitionShare-Based Compensation Arrangement By Share-Based Payment Award, Equity Instruments Other Than Options, Grant Date Fair Value + ReferencesNo definition available. + Details Name: twst_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsGrantDateFairValue Namespace Prefix: twst_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionShare based compensation by share based payment arrangement instruments other than options expected to vest outstanding. + ReferencesNo definition available. + Details Name: twst_ShareBasedCompensationByShareBasedPaymentArrangementInstrumentsOtherThanOptionsExpectedToVestOutstanding Namespace Prefix: twst_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant 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 - DefinitionAmount of cost not yet recognized for nonvested award under share-based payment arrangement. + 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_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognized Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant 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 - 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 - DefinitionPercentage of vesting of award 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 (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardAwardVestingRightsPercentage Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_AwardTypeAxis=us-gaap_RestrictedStockUnitsRSUMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AwardTypeAxis=twst_PerformanceStockUnitMember 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_TitleOfIndividualAxis=twst_EmployeeMember 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_AwardTypeAxis=us-gaap_EmployeeStockOptionMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AwardTypeAxis=twst_PerformanceStockOptionsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_TitleOfIndividualAxis=twst_ExecutiveOfficersAndSeniorLevelEmployeesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AwardTypeAxis=us-gaap_EmployeeStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PlanNameAxis=twst_TwoThousandAndTwentyFourStockPurchasePlanMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PlanNameAxis=twst_TwoThousandAndEighteenEmployeeStockPurchasePlanMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 76 R64.htm IDEA: XBRL DOCUMENT v3.25.0.1 Stock-based compensation expense - Stock Option Activity (Details) - USD ($) $ / shares in Units, shares in Thousands, $ in Thousands 3 Months Ended 12 Months Ended Dec. 31, 2024 Sep. 30, 2024 Shares Â Â Beginning balance (in shares) 1,619 Â Forfeited (in shares) (2) Â Exercised (in shares) (169) Â Ending balance (in shares) 1,447 1,619 Number of options, Exercisable (in shares) 1,445 Â Weighted average exercise price per share Â Â Beginning balance (in usd per share) $ 24.51 Â Forfeited (in usd per share) 41.64 Â Exercised (in dollars per share) 17.41 Â Ending balance (in usd per share) 25.31 $ 24.51 Vested and exercisable (in usd per share) $ 25.19 Â Weighted average remaining contractual term (years) Â Â Outstanding 4 years 1 month 2 days 4 years 3 months 7 days Weighted average remaining contractual term (years), Exercisable 4 years 1 month 2 days Â Aggregate Intrinsic Value Â Â Aggregate intrinsic value, outstanding beginning balance $ 36,798 Â Exercised 4,881 Â Aggregate intrinsic value, outstanding ending balance 33,816 $ 36,798 Aggregate intrinsic value, Vested and exercisable $ 33,816 Â Performance Stock Options Â Â Shares Â Â Beginning balance (in shares) 273 Â Ending balance (in shares) 273 273 Number of options, Exercisable (in shares) 243 Â Weighted average exercise price per share Â Â Beginning balance (in usd per share) $ 59.83 Â Ending balance (in usd per share) 59.83 $ 59.83 Vested and exercisable (in usd per share) $ 63.36 Â Weighted average remaining contractual term (years) Â Â Outstanding 6 years 1 month 17 days 6 years 4 months 20 days Weighted average remaining contractual term (years), Exercisable 5 years 11 months 26 days Â Aggregate Intrinsic Value Â Â Aggregate intrinsic value, outstanding beginning balance $ 1,042 Â Aggregate intrinsic value, outstanding ending balance 1,139 $ 1,042 Aggregate intrinsic value, Vested and exercisable $ 683 Â 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 - DefinitionAmount of accumulated difference between fair value of underlying shares on dates of exercise and exercise price on options exercised (or share units converted) into shares. + ReferencesReference 1: 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/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsExercisesInPeriodTotalIntrinsicValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration 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 - DefinitionAmount by which the current fair value of the underlying stock exceeds the exercise price of options outstanding. + 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_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingIntrinsicValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant 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 - 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 - ReferencesNo definition available. + Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardEquityInstrumentsOtherThanOptionsAggregateIntrinsicValueAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of difference between fair value of the underlying shares reserved for issuance and exercise price of vested portions of options outstanding and currently exercisable. + 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_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsExercisableIntrinsicValue1 Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant 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 - 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 X - Details Name: us-gaap_AwardTypeAxis=twst_PerformanceStockOptionsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 77 R65.htm IDEA: XBRL DOCUMENT v3.25.0.1 Stock-based compensation - Reserved For Issuance (Details) shares in Thousands 3 Months Ended Dec. 31, 2024 shares Share-Based Compensation Arrangement By Share-based Payment Award, Outstanding [Roll Forward] Â Beginning balance (in shares) 611 Additional shares authorized (in shares) 249 Shares issued during the period (in shares) 0 Ending balance (in shares) 860 X - DefinitionShare-Based Compensation Arrangement By Share-based Payment Award, Outstanding + ReferencesNo definition available. + Details Name: twst_ShareBasedCompensationArrangementByShareBasedPaymentAwardOutstandingRollForward Namespace Prefix: twst_ Data Type: xbrli:stringItemType 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 - DefinitionNumber of additional shares authorized for issuance under share-based payment arrangement. + ReferencesNo definition available. + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardNumberOfAdditionalSharesAuthorized Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNumber of shares issued under share-based payment arrangement. + 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_ShareBasedCompensationArrangementByShareBasedPaymentAwardSharesIssuedInPeriod Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration XML 78 R66.htm IDEA: XBRL DOCUMENT v3.25.0.1 Net loss per share - Computation (Details) - USD ($) $ / shares in Units, shares in Thousands, $ in Thousands 3 Months Ended Dec. 31, 2024 Dec. 31, 2023 Numerator: Â Â Net loss $ (31,594) $ (43,008) Denominator: Â Â Weighted average shares used in computing net loss per share, basic (in shares) 59,162 57,497 Weighted average shares used in computing net loss per share, diluted (in shares) 59,162 57,497 Net loss per share attributable to common stockholdersâ€”basic (in usd per share) $ (0.53) $ (0.75) Net loss per share attributable to common stockholders, diluted (in usd per share) $ (0.53) $ (0.75) 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 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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 - ReferencesNo definition available. + Details Name: us-gaap_EarningsPerShareBasicAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType 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 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-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 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 - 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 X - ReferencesNo definition available. + Details Name: us-gaap_WeightedAverageNumberOfSharesOutstandingDilutedDisclosureItemsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 79 R67.htm IDEA: XBRL DOCUMENT v3.25.0.1 Net loss per share - Anti-dilutive (Details) - shares shares in Thousands 3 Months Ended Dec. 31, 2024 Dec. 31, 2023 Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Â Â Antidilutive securities excluded from computation of earnings per share amount (in shares) 6,474 6,201 Shares subject to options (including performance options) to purchase common stock Â Â Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Â Â Antidilutive securities excluded from computation of earnings per share amount (in shares) 1,719 2,253 Unvested restricted stock units and performance stock units Â Â Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Â Â Antidilutive securities excluded from computation of earnings per share amount (in shares) 4,686 3,824 Shares subject to employee stock purchase plan Â Â Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Â Â Antidilutive securities excluded from computation of earnings per share amount (in shares) 68 124 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 - Details Name: us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareByAntidilutiveSecuritiesAxis=us-gaap_EmployeeStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareByAntidilutiveSecuritiesAxis=twst_UnvestedRestrictedStockUnitsAndPerformanceStockUnitsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareByAntidilutiveSecuritiesAxis=twst_SharesSubjectToEmployeeStockPurchasePlanMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 80 R68.htm IDEA: XBRL DOCUMENT v3.25.0.1 Liability Related to the Sales of Future Royalties - Narrative (Details) $ in Millions Oct. 21, 2024 USD ($) Organization, Consolidation and Presentation of Financial Statements [Abstract] Â Liability related to the sale of future revenue $ 15.0 X - DefinitionLiabilities Related To Sale Of Future Revenue, Noncurrent + ReferencesNo definition available. + Details Name: twst_LiabilitiesRelatedToSaleOfFutureRevenueNoncurrent Namespace Prefix: twst_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_OrganizationConsolidationAndPresentationOfFinancialStatementsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration EXCEL 81 Financial_Report.xlsx IDEA: XBRL DOCUMENT begin 644 Financial_Report.xlsx M4$L#!!0 (#.!0UH'04UB@0 +$ 0 9&]C4')O<',O87!P+GAM M;$V./0L"1!$ \IQO;=!P4)B0-!2L+ (/>QLOD&1#LD)^OCG!CVX>;QA&WPIG M*N*I#BV&5(_C(I(/ !47BK9.7:=N')=HI6-Y #OGDK7A.YNJQ<&4GPZ4A!0W_J=0U[R;UEA_6\#MI7E!+ P04 M " S@4-:H_SZCNX K @ $0 &1O8U!R;W!S+V-O&ULS9+/ M2L0P$(=?17)O)VU1,'1[43PI""XHWD(RNQML_I",M/OVIG&WB^@#>,S,+]]\ M]K()2/^!Q]P$@&T]5L1Y>$"AMV(H"(*D#6IGJG'"YN?/12LK/N(<@U8?< M([2QAPM@@1%&F[X+J%=BJ?Z)+1U@I^2NI++.S3P]O3X4M:MC$LD MG<+*QE!QX ;=I[\VMW=;Q_8T/+VNN)MQ;MMVPA^*SK^OKC^\+L(6Z_-SOQC MX[/@T,.ONQB^ %!+ P04 " S@4-:F5R<(Q & "<)P $P 'AL+W1H M96UE+W1H96UE,2YX;6SM6EMSVC@4?N^OT'AG]FT+QC:!MK03621A'^_1S80RY8-[9)-NIL\!"SI^\Y%1^?H.'GS[BYBZ(:(E/)X M8-DOV];[MR_>X%#BVR]*+ M41B1%G\@M MNN01.+5)#3(3/PB=AIAJ4!P"I DQEJ&&^+3&K!'@$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$5FJ?JH,@H%\;D>/N5Z> HWEL:\4*Z"'>P' T=HWPJOX@L Y M?RY]SZ7ON?0]H=*W-R-]9\'3BUO>1FY;Q/NN,=K7-"XH8U=RSTS0LS0[=R2^JVE+ZU)CA* M]+',<$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$V>KRMYEL<%5'<]56 .*P MOFH]M!5.S_Y9KF4Q9Z;RWRT,"2Q;B%D2XDU=[=7GFYRN>B)V^!=W MP6#R_7#)1P_E.^=?]%U#KG[VW>/Z;I,[2$R<><41 71% B.5' 86%S+D4.Z2 MD 83 >LX=SFWJXPD6L_UC6'ODRWSEPVSK> U[F M$RQ#I'[!?8J*@!&K8KZZKT_Y)9P[M'OQ@2";_-;;I/;=X Q\U*M:I60K$3]+ M!WP?D@9CC%OT-%^/%&*MIK&MQMHQ#'F 6/,,H68XWX=%FAHSU8NL.8T*;T'5 M0.4_V]0-:/8--!R1!5XQF;8VH^1."CS<_N\-L,+$CN'MB[\!4$L#!!0 (M #.!0UI]F_Y-Q04 ,$> 8 >&PO=V]R:W-H965T&UL MM9GA<]HV&;,_%1V[VVUWI5@R$.@(=T"2+EO:TI"MU^WV0=@"?+4M)LL0_ON] MLL&FJ?S"?"4?@FW\.AG2=8C:,"5ZDNR$D*3YRB,D^O&2NOUFU8K\58BXLEK MN18Q? +.0*N(:3M6RE:R5X'XFBL(68.8\$1,9?@I\O;IN]!K$%PN>AOI1;G\5>Z"\.?-DF&3_ MR3:_M]UN$"]-M(SV8BA!%,3Y)W_>/X@C >M7"-A>P%X(:-4ON'N!FX'F)!F#K)GDZF!)HA-- R5BO$G(;^\+_6M^" A6E8H=2C1EJ>".\U\2EKPAS M6-M2G@DN_XW'('0X?VQ/*'=IV!],9WR1K M[HGK!O2V1*B-: Q_(%VG5]L>-_)["O8=@';QMR'-])+H9]J\K1;"QLI+J=. M\Z,- "5751.H42)WSD#ZF7&FAPAUY%&NIM T/M](JM3V4":JJB=B&!EX&U\DXX'?I=9<=#]34YKPK,JS-;IN(PCF3#0'4]XEX+'B;6BD1E M-0%[!6 /+=1MK .(W=!*,C[-)H+90/#/1R'-MW>%7- L<*BT)ER_@.N?_1M8WB/D];T)-Q(!,O$+$GR$0J: /<- <;,^I6DYDZY?#JG$-] M'WME*5^1F8;N2:2"L]>Q5COX]*V/XH3[S:V-&!?513Y*%/00A/9\AT9AQO?2HU:U*4N(Q%%0\@WU!- S!BWZ26YMW7!\PFX&4XP5F?&8 MW,&[P0L23UJA+Y&,:!F-*!YN7D(7_7BJY": EY&5'/>[8;SL]ZYB$Z^J2EMF)XI$G:[.=8FD M1,NH1/%\\R]]*_I2L98E#AAE]L8)> (C31,C71$W%'<3^(EV2VB^8RM/*= M,/@T>[)R72(8L3(8,3RZ'&J,W#Y[*QXO1640*,P,;/+:W$ MEX@[K(P[[*RX,XMX&))QFL#7B;W=XCZ5DVU<5Y>O3#GLK)1S&PFU-!WS+3A M"H418]7BAM6@EP@YK PY#,\HAXI<":A(# ^WJ<:[1-AA9=AA>$XYO&F/ M1G+(YMEB-OF0:HBNL1E#K<3?*<;LGT/NULG .YK; ^5EPA:[4GK!K-IU^T[6"XLJZH&7N MP47KT'"[- L=G#WC)3*/6V8>%T\H+QGW*^_5E+C=1^L4"Q?] M7\;6T2:A&?"RO=.$>&8%,M\O+*X6^[.C;%>R5=Z>;^Z^XV:\3$@H%B!U7E_! M"T_E^Z7YB9;K;,MQ+K6647:X$MP7RMP WR^DU(<3\P/%KO7P/U!+ P04 M" S@4-:F\]!%[X& #5&P & 'AL+W=O+R:X,GNA_\8:7-#[/%94,?V!W37YM;"7>SO96"5ZQ67-1(LN75Y#T^ MOPXCH!) _W9HSJX1L:5>R&^F9N/Q=4D, (A8R7)M3%#XMV;7K"R-)<#Q?6MT MLE_3*!Y>[ZS_VCD/SMQ3Q:Y%^0\O].IJDDU0P9:T+?5G\?@[VSH4&WNY*%7W M%SUN98,)RENE1;55!@05KS?_Z8]M(X4<#2B0+8*Y& <5PJU"V#FZ0=:Y=4,U M75Q*\8BDD09KYJ*+3:<-WO#:O,8[+>$I!SV]N!9U 2^%%0BNE"AY037H3>(U^C+2K2*UH6ZG&G 8ZS.\NW: M'S9KDY&UUA^AD)\BDA (H?ZM5_]CC6@'KC49Q"%? 2C(/A2DLQ>.A:*5DM4: M4:7 YW.7/QL#D=N V7'GJ]$YNYK EE),KMED\?87G 07+N]>R=B1K^'>U]!G M?7%-U0K!6T.YN6#?6[ZF)3CO?(L;4TEGRI2%]8(0' 7AY6QJZ(]++ EQLA<[M0AKMD49>I'5^R4U0S[8(96P#"><8CC 4R'5#0/1F F>YB)%^9'"&"M MA>3,&<#$6I.$,6FT"LFH0@> M;DL7[M1"A'$2S0>X75+A?"0[LSWNS(O[B]"T_F(F>-UQF$PQ.@22])T!.1\ M#W+^3'"!]:5^ZH)J]GIC]M!H@L[M0$%/D RQNL1(3 (W5ASTA!1XT7X"K%3S M^@&5#/@924/$4[&E M$QJVULSB#.,AM.?$CJ'UM(:]3 *[7M/Z@4--VH9O],UO#1V]TXA8MH[I+GIO\PM 0P13W=[BTGW- N14F<#-$ZI+(Q5L(]+6$_+WWJ MBM,!0E]NVJ031I$55H=4,!\I^;BG)NSGIDV\)H"SJ28)(&"(3R''(Y",@:P M)R6<_%3?57)ZSTNN@9VZ)#?N9#0#*EO6,[1H\Q4),!DRA4,,QSB(1B#VM(;]O+:# MF(O*8*1F+G3"M*F*X#0B0YBV6!@F\4@D24]HQ$]HN_QNH)$UDZM8(C'@N%WJ M/SF'#INR,*3!<'^ZQ*(LB$?

@]\Q& _,SVZ:@+.]BD3JPVA\7$BK1+*L/I"-*# M^.:%[#;O)&#G/5/Z_H6/G>[XDF;>+N=,B_[829<&D>OM+!@1ST) +J)NG M*3+C=VU6E%IQOU6KX3D_T(-
H1K=L)Q5]TQN,.Y."#N].];HPV?;X[]3*#*] M8=V9+Y:9R13B/.3K,TW2W$E3(M0W>\T&H%DU%ABO K+.I\S79+894V MG\CQV5[?<83^CN-]47##&5 SS*G*E-,_1.*1A$,R'M.T4A$X.
MCTS/8=]CA/X> SJYMFHW'+(]]8&>3K*5^5ZP9HC7<,]F)Z50REE 0KNCF-I' M0"ZIF) 1]'W?$?K[CD/T!5ORG#O'U=!N):.8I&$<6(%V2D9X'HS,V.'!N:^
M[]@PB7I1L0KM_B&*XWD7,!PR:4DR<;2HV\T0G^C8=%?MRM?Z$1D'4\[QUR7 MG&O,G1U\< ACP57.B)EQM37ON^3G,HJ+Z2)0B<64I54(-=M?)UJ8!F3E1P/PR"H5]0
M)KPD=F,SE<2R,IP)F"FBJZ*@ZO#UO._# 5KFQ WX2EW0%44Y$"F5MC3='O;,_1: MES2%B87013[Z]W\CD7M@0]:\,$)X+0R MN53L#VYR2UYOV$[DVC7:A0GL[QGST;]Z*B%CDZ
9EI7QX&C?TBB]]$X?,;; M$34>CT;=N,,6=W@"+MX6VN"WS\3J&//P5B:=3N*E=I=3R8RC%E& MY17?L1S>;+C(J();L9W(G6 T,DI9.B&.$TPRFN2CQ8UY]E$L;GBATB1G'P62 M1991\?2.I?
SA=H1'AP>?DFVL()/XF9'M^R>2J?[CP+N)K65*,E8+A.>(\$V MMZ.W^'I% JU@)'Y/V(,\ND;:E37GW_7-770[?E+'ZM '"E@MT>!5 JDK>#W*+B5@M06\'H4
MO$K!,Y$I73%Q6%%%%S>"/R"AI<&:OC#!--K@?I+KO-\K 6\3T%.+)<\CR"*+ M$%Q)GB8157!SK^ 'TJLDXAOT8<<$U6F2B.9:,H,:BW7R]PS]RJ5$YT5.BR@! MU0MTB;[2-
"58W1V"%QC()*\3+$C'I0>RB M]SQ7L40_ ?+H5'\"WM'7H=^=-0W^4ASQCZ]G8ME8 5\XJ5USVY=;R/71L?^QR5VJ*O?FLECKQQ:]]\0>36JV@?(O8XTZO-WEM0^B_9.Y>R-B)OT'M
M;S"8@267IGY%?PZ7107_*-'>/YNVTV&1(KX;V-,QK>%- Z&T)*,BC,UV%@&' ME._TDK/!G'8 $.PZTQ9,BY3KS.=VF+,:YFP0YXO0(=3,&&U9+#RO63&K@T AI(M] :@&=.&>-
;!X@=XVD9LD2(SS[$CGM>(YX.(/W,%,'FGVFTPYQT F+BNW\9I M$<,S;^K;@6*G(3YG$*KA8W@V0$NT)N5C9P.@$O7"SROA=,FYP7SH[B? CUB M:#P(]"Y7#%:H
M[4V[\5(^Y\VR5'N:P0=J4\3'HRCDF#CSP/7Y5L*T#2#0[I M1+ KU >N(5,\2%&+#RIFHHH<.J\07HQ1SJR+O;)V@C.8MW%:A%S<@[1A.SQ, M6J8>UPR.\NR
5]%'^]*I3+40>//VVK')>60VZV$SW- 9'F2/Q5T-<##K?0?S M78P6H?ZJ; @(#'S0;] SI1!2*ZXNJ4#X_'FG('URGNLX?>%KZ =/AX\#IBK# MD\.=!FL]%.!!+ONWIX*7LG;]><-H>)C2EC'-M[K
49%#GYHF?T&WL87^%)WK M %P@Z 63? _;B>D^K/'H,M=E$+13UQ7"KM>3MX;=\#"]0:L)C60.C9D0+ ^? M$+!P+E-:MK#1GT4)VXJZRV.7 6ZC[@KY/?Q!&J(CPT2W[)29#5]E)#A=$U/2
MAFB3@RT%]\%L:(X,T]QAP2)@X[)S1%0ID:P+1=0.M?Q*BOUM.%>,LR]7\W0!=#2/1RP8-57\X!"CQO ;W_%>:8 MF+],[DO[]E!T.=N?
XX"T0V$1FQ[SZFDH&G(GP^3^/X7BN#R&@M$]%EB#81$; M"(8^/)P^:E[XS0\+6 M\R6^7F'+\[?$OUX2W_HF@#=F\CII/EW.;=]3L4URB5*V 1AZ48^0*$>AY8WB M.S,<7'.E>&8N8T:AI+0
O-]PK@XW^@/U0'KQ-U!+ P04 " S@4-:(F@& M$1 # #X!P & 'AL+W=OL<"8C*YO)R4A4FK,"9I*H*L^I?+H&+M9CQWW-9*RG(H%!,%D; 8.U?^<#HP^E;A&X.UVCH3P^1>B =S^92.
M'<\X!!P2;2Q0?*P@!LZ-(73C5V/3:3]I@-OGC?4/ECMRN:<*8L&_LU1G8^?2 M(2DL:,7UK5A_A(9/S]A+!%?VGZP;7<\A2:6TR!LP>I"SHG[2QR8.6P _/ ((M&D"P#^@= 80-(-P'1$< 40.
(;&1]*C8.4ZKI9^5M$FDBCC=;,P0;3HI$^*TS: MYUKB6X8X/8E%D6(2(25X4H*SE&]\S#4^,+M:$;$@7TJ0U*1)$5H8S1Q++#.Y M7P'Y+)0B9U5!JY0A)]R,*=L$U&:.U%1^S=P@J*"@XX2B:-
:AO0:, 5Y/+RX&/ MGJZV.3[7&OC1V\M6:X=*U%*)7]#";2%A+>BG0[Z=A)MA-U0E36#L8*DID"MP M)]]?^7WOW:$T_2=C.TQ[+=/>/R8M[CV+;.1YWE[XGRL%X9;2CD]]9T\P:)T<
MO%0@TTJR8DFP+_$G 4A>]Q*87B)8RI#?@ZS#LFF)"]OOIKHO+-!T/BV>2$93 MG/F6MR(+*7*\U?DN,=\,A=CH!D!S417:S)!.U/5P@%NISU:[03=<".X0+PJ MP>X
M0]E!5W:\;E()=V5RB2&/MU6;;2=AU=VRF\)X]Q3?D'Y%?]8=P)!\ M8[O6W#^?K7?B#95+AC.1PP)=\+H#3*6L]TQJT:*TD _=>:)SC]ICA:9I%/#] M0@B]N9@/M,M^\AM02P,$% @
,X%#6I]M9TOL!P JD(!@ !X;"]W M;W)KT9(^W,SS[\L&[XF'; MB@\6=S?[]('>T_;]_FW-SQ8G2E[L:-44K$(UW=S.7N-7"5F*@*[$KP5];,Z. MD;B4#XQ]%"<_Y;+U^+.'SDXY1>#Y\1=ZU%T\
MOY@/:4-7K/RMR-OM[6PY0SG=I(>R?<<>$]I?D"MX&2N;[B=Z[,M:,Y0=FI;M M^F!>@UU1'7^GG_N&. MPW L!I \@2H![*8/=!]A* +8O!#A]@*,$$/]"@-L' MN$J ?2G ZP,\-<.E: _#[%\)\"\%+/N
3BZ+X^WH[N4Z;=.[FYH]HEJ4YC1Q MT FBB^:WL*B$=N _;FO^UX''MW8I5.5A:/]"SPY5>L@+'O,65:910]XRU^5.QSE+;HGNY?(MMZ@8A%;)U,C7PQV+QJ]FE&;V>\X1M:?Z*S
MNQ^^PY[UHTZ\D+#U$>9V,#%J?;IS?=?W;Q:?SN4(F3*"A,60L 0()HG,/HG, MGBBR:X1U9'IGM\\CMF,3^?ZMQL7FV%G*A=;C0I8B@W$)[+D^(4JZ2)/.=SVY M4*RKDV7;ENW(!9,G*B^UMG-
J;:>+LB^T]D]5QN=M#7^2U_1X]%R,->?#UG^^ M#%B_OV-EB?B\YS&M\S]T=\&!?+PA86M(6 @)BR!A,20L 8))NG1/NG2-O<"O MM&E%'\ ',PYOZR(3@U\W34"'JN"3J[.A1R=%(WZJ%"%A:W>
ZCC&TA M9+X($A9#PA(@F"0L_R0L_^N$I1.3/[IE@8N528LQW52-0,+'*VH?02:,(6$) M$$P2R?(DDJ51)._H_E!G6S[?ZFR'[.PU&&U8S>=@_".*VO0S>BS:K9B*B>'P MB:[)F'-
JUP0)6R]'2ID'RD0XA$P80<)B2%@"!)-D%YQD%WP#V>FD%HQO*'&(M\JR,M9FJH8@8>%5]8\@4\;0L 0()JD(6X/U:1EUU+T?SH7SG7-TE1*!)8U!: D63!7/FE6.C8'2.:M_9/!/. MJG8XZYE2LP?
J[,B<>+)N(&DA*"VZICEBT)0)%$U6S> W8[/A_%_:7O+=W^"Q M8SMW;,L:]2N@-C$H+02E1:"T^,KV3:"RRA(9W&)LMHO#*CS^B^L=&-1E!J6M06DA*"T"I<6@M
2*)@MT<*6QV99^G67L4'5K'TV; M5CF77H,.>[&W1*O JVGW)]K[CL;[+.S-L8U^_YGN/M!:) "5&3]9DI"T$)06 M@=)B4%H"19,E.?:C9V&QH3]KVX6A5.C:*W>52W5VQ,M=CLMJN2AJ")HU :3$H
M+8&BR3(:'&]LMKR?W-BAE\YR-)=Q?.(M U4[H':U)NMH!C6VM+&/78P#=0:E M\;Y=:=M(K"N%B<,G4*,7KF]A(./!0<;!OSF#@C1%5Z"T-2@M!*5%H+08E)9
MT>0]BH,W3]# _>.F+F3]ZE".IKD[$3[=KJ0AIHR@B4%H/2$BB:++7!U29F M5_NK]Y 0C97KJ4..:?EDY5R1,@1-&8'28E!: D63E7.VD]KL;$ _:)-*SSF-AJG0,UK4%IXW25HEC
M4%H"19,%,SCFQ+P3^ZM6[LEXDS- FU7']G/FR<(!-;Q!:=%5[1&#YDR(@:+)N M!B.;F*UGT]I]'RI]&F<7&;]!N'S.GF"P04/L9E!:!TF(RW@FN:]\$*]LLD<%8 M)D_LE+YZ[5YK#1*-
P1NX2W5MU5R)R2*Z*FD(FC0"I<6@M 2*)FMH<)6)V54V M+\KK=:.QE%W^<*@[R\R9)POG:4M94P3[MF4%ZO<*-07GGA.HPXFF%!]T;-.**KC/T8XGK1LWWW-_@-K6[;K**M#K4CJB9OV&28A"PU)* HV_WZ+DB)E$@05CKJB\3+8GD6 M>SD+X.))JF]ZQ;E!SWE6Z,O1RICU^62BDQ7/F7XOU[R -TNI[!%_&X M,O;!9'&Q9H_\GINOZSL%=Y-
&2RIR7F@A"Z3X\G)TA<]OZ-0.J"3^%/Q)[UTC M:\J#E-_LS034E8:M-F+ M:FZJT6"-**P;[XV"MP+&F<6-+%)P"D\17&F9B909N+DW\ ?>,AK));IA>H4^
M@,EL6K$P%R+Q#8_3U_A:]??,.O4&B0'^L9*E9D>]+B0%D5O\DV:*XKE&0 M_104?9*%66GT*Z!)#\=/P*+&++(SZYIX%=[RY#VB^ R1@(0./#?'#Z<>,+29
M95KIHT.S;"=P64W@4LD<018J9D3Q6(>Q,(([9ZW6&KJUV@P_UVN6\,L1I+#F M:L-'BY]_PM/@%Y?))U)V, %A,P&A3_OB,Q2D3&JGD?7(:3725IW-8DQQ%(/; M-OOP'6(A#8)Y(W8
+&J 15[/7*5_0Y+5D6XD%*9$%HG(."JVB.U3>YU8%Y8V M42#4C_52=$K_G4C9P31-FVF:>OUWRT%(EA=>HL4L5P)(_ZI'K@LK5!%>]Z: MTGG0<6E?:(YGV.W068-
TYD5Z;V3R;6PK>XH2F0/=Z4&0L][W,8YCW$'ID@I(MX(8Y;V#.O3! _-RNN4"&+<158K U#%]!Y#*8="">S+T,Q<8.,&Y"QOVRM6/'(
MM8UXIC6'%+&NSP1[$%D5\^4MS/TM>1TCX&&DV[2/M20&(#.%MVQ7YZ;>)TS5YLD#KQA?T0 MF.%NL7-(C4,21 ,(6YK%7GJR"%7)VR!P(HP<):R?0'TI$@].84MPV,]P.X"O
M<0;NDQ:$VCSJ)9-#+@IF0XG>TAOV\UL=DGLUV FRSUCC:=#SM4,*1V0(8DMM MV,]MG_]KNX1=/(?#/41;X"XY$L_H /*6[_KA-?ITP5457T,\)-RWJFT':Z< M6M(C?M*
[*U6R8K90P])OK:SSS$M5M/GW4JQMD^*: ^+@/T*F7=^YQ' 4#)1J MTA(@\1/@ >K:;X/M%.D3'?1344R[6!UR>$Y)/ "VI43R&B7*A/-T&V4Y,Z42
M,,='(\3'<&41%W@#K$P&"J2I.5#XN?#)K/?;E/[G0V0C8!%.WIX.3I=B(,J M<42[7.D0"_%T@(I(2Y8D_*$D7XJ"P9KO==1>#O(1)#^5ML-):/F8^/GX, +Y M,U>)T-
Q&H+8+*"C9E@#=\^ BX![_.:3B:*"7)"U+$S]+'\(&*D1"ZQ+<5T"? ML>(+].M9M8\%BW?-LNKELH0LX_ &&N72V2&1/F5#90IZEO7%AA*K977B9_4O M?+U?OZ
)R6&A7;MB*15D%CSBR+!G]"3,:B6S% +6:82+^KL6.&1(2,(!*UKB M)T<2OIL\)UH?7K'LSCL;@@YQ,8X'&H"2-L$+5"^_ +GY=+GEBK!OXN60ZY>4SF ^6-MGT!]
<%/V@6MPMIKT&./@ : M@:B[?G;)3>/AL-O:]_9O?-^7ZW56'22P#*5")YG4M@K;&K>C80C'^CAJ8,5% M3[L+_G]L@].V^:#^E?K'II!SNUH7:;6?9.=#\64Y<'A"^XOR7J;U1<(!5J)M
MDT#]F^.?=]N3>XT=A-RQ=9R>=/O[5-H.YZ+M/.BKG8=C(818FHJJ4[(4G95I MO>!EG?V8>LO\B"V0+8C]4P[H[[O\[9 *Y[..MR=[AX(Y5X_56:E&%;#Z(*UY
MVIS'7E6GD)WGU_C\ICY5;=74A[R?F(*ZJE'&EZ R>#\#%ZGZW+2^,7)=!3T^ M2&-D7EVN.$NYL@+P?BFEV=W8#S2GUXM_ 5!+ P04 " S@4-::ZO=@0X& M "Z#0 &
'AL+W=OT%[+AI^Y#4B-/VH>@#1]CA\ MB\"L%YAEOSM#V3R+B"U"'P:VO@AAYJEX9RVG)3K%/!60RXM?PN5M/JK M["'R)2***FB?UVXEBC9"(L;3<8(UEAFK7O-
%IWGV+YKGXKVS]8[B)UM2>2P_ MAI<[5V=;5R|FCRJ\)#42)\^E0S":SQ2/ZYKO0YUG?_!M"'XJWSD9G=+E'XBI0 M))OD%HIWVDJKM#3B&IL$9J8H_CHO8@K@UM\/(=0YL'C8
:ZW-]%+16<#S[;" M#0V6SUY,7TY.'@EOL0MO\9CV_Y39_T>S^+36,8D+[:+29]4!Y.!=Z 2_3S5O M-%[:S0]B+:/(45/7OJ<[<'A(+/22S)R+0.>K7A'16C10L2"R3"=C\2GO2ZA
MHY#"H$%I6PU%D%Z79B,JP(<-$3<@)26M1*&=<=5&]%XNU3*)&GZ4=(-FY>&$ M%*6.H?7<.<3EA_>.L*$-S)Q3Q3)P=<2E1I #?V5LMMD*T! @2TR(IVI(S^?
M/7D]F[XZB6*EHP*I-B0#Y,K($5Z3!\,*"F(^Z:0 3<;A +7O#KS(0?O@?-"4 M&)I$JK9=@#DP#\SA$!^SZ)4-I=J5K+"1MEV!P&TXAH?#+3:"W9Q-3M9!)[S/ MJ^E)?
LG)%U$;K?"D:NV/T\!(MH".,!.&[9'GW,3+;.&7NFAKVN=ZJ,XHELE MSOM0,$JR, Q%TU#(E:CM*DA W[+_E,DHK:#G_1$Z2I/"K97X$,0251W/#FSO MSS)@9-E8%&UD68D
00M1H\N#7"!(9/"^M,AYV@SA,BD=1+9IVWU78H6. M4QU<6]6^30)&&,#*ZI56TB:P%'C:X= M _! IMN4=_NRC@0?T":Y]O#ZP\,7Q)QL//(&C+P,!\@@9EVX$F'K(DADO%-9
MAK;BPE/NAL" KL/DDN2>"U%CN.4 .,Z?ZS.5(>AN3*8YYJM9CD1P;Y5!U:+A M&J(5T$8[8KA9-=:41P.SN0\O9SI@."F[9B2;N_#2K6HS MACCGT4$3J)
TY1P*698ZIZ;3TZ.*3"0D+:)N.]2['@5_&/YXB#HS@$EH* &D MW#XR[51.92=]Q"1DO 7N$*O:$*#) M'>%U8VGXY>[C7!^-/%?#39[3 0S!/4.!'8
MEL^QAK$>)Z(:PMI0S$UN\.+'_=GC Y$ O^%:[%IB5V$!AQGH\-[IH>/65K# M &H#Y-$D6%-RU?;UI/IHZ";5SH:(JXP[+,C=$2F5E*^(&T MY0ZF=J.
<%JO=U!;W4QO/$3K&ELK10Y/6^&"">1C.I\E<#WV:M3=UHO=O=?9B< M=_/X_GCW5?,>QN MLEVP@=%VQO(?4$L#!!0 (#.!0UI534;!@@H %0? 8 >&PO=V]R M:W-
H965T&ULQ5EK;QNY%?TKA+;8.H!BR_(C3QN0G>PV:#

2G!G%KSB[: $CD33DY7V>>R[G]=]ZSWZE M5!#7=67\R6@50O-R;\\7*U5+OVL;9?!D85TM [ZZY9YOG)(E;ZJKO>EDV/\@\?]'(5Z(>]T]>-7*I+
M%3XU%P[?]CHII;Z5\=H:X=3B9#3;?WEV2.MYP3^U6OO!9T&6S*W]3%_>E2>C M"2FD*E4$DB#QWY4Z5U5%@J#&ER1SU!U)&X>?L_1?V';8,I=>G=OJ7[H,JY/1 M\Y$HU4*V5?
A@UW]3R9XCDE?8RO. 8AW7'AZ,1-'Z8.NT&1K4VL3_Y77RPV## M\\D=&Z9IPY3UC@>QEF]DD*>OG5T+1ZLAC3ZP];P;RFE#0;D,#D\U]H73RQ@,
M81?"ZZ71"UU($^"LPK8F:+,4C:UTH95_O1=P'NW:*Y+LLRA[>H?L _&;-6'E MQ5M3JG)[_Q[T[)2=9F7/IO<*?*.*77&P/Q;3R?3P'GD'G?$'+,_@#GFSWLJ+
M9*7X]VSN@T,R_.*5NU*CTY]_VC^>O+I'V\-. MV\/[I/_!4/U9LL69]-K30C;1!,G5]7&E>'7=2+.A]:V1;:F#*D5A$7[CXRK;D//51/BW@"=/AG6X9*.8*UGM7(P3NS\.IM=/!& -2P-
^*T>:*1-A#M8 MMBO.E0M M^&/0II2E-H7E?4MW" ,/:'SH5+5EOWY#YM\G[6DHUC)*R7F2IF! M)Z&UK76 T%TQXTWP2+49TYE>_:#S_)&Q%(1O730SIL6^#ZJQ+@B<1'
K]B=/_\[1H24+N!I+-DHZH0A, MQ"5%N9XK)PXF$0_$SOW"&&M=86=GQZ4J6[<#Y30I^O:Z6$F5S.+Q7/VG\=S=CG7'-^-71'<0$3JK#VD7?4HJZB^H+9*H?<#>K*P,HJ6S@LT;
MMB(AH]'?%Y#D_G%VOVVT85L7Z"L&C9B6C@6R6!;H MR(^.?HCUH?WB<#^]U^EQ67#*1QP!C3!=PX)*Z>4 MJ&-[C!F-Y!9T3@V.\X8.S?[4C"\ET(N83/9B%JVN&S
=LB([O:WZDB$E;KCE MB' $>-TA(/35%I#RR;-XA7#7#)QDS1;>X^F/@4Q$%4)2'38#E$L>](,DI'2O MY6",RL"57N. M>\&@76HXP<7<#BOK!T[;%1=]I\2)YYV^N7&?
Q[:]\T_/I_O/7OD?CFRL#4U] M?&6I&]JUP6K?SKTN-1*8E)E5505-5&I17IG9>#/5&6Y9^ MQ5L*^D#9$A)0_'+,HZ%M-NB2@W$\8_*#VM#R NI3V[@"J$X<0&PG^('W^?
M.l#JRJW0!MFWJ[#(-14+"1F 7_ZEV*'!=G6XRC_9!O)MD'G[J#!14RG^^/# MR0%_,AX?[!^CBVI[=YR\71\?'2,?YICXO6WIH#03[/04Z'l(J2R>4W^09J#&G(;S7?&/
MA'J;3GS*+P]74M 7;2"LS)@UP(Z^<'/[07452I74&PO5-UYZA+ZG@O[:U5H2 M6X.?8> U$0R=W<@*JC1R$TWG[9H1S_"$YF/[*|(_C].R[
ML$5ANR0D.FO@3,0:U+^1N@L[1U0Y\$T(Z5SP78;'9H5BXJ$,'9C^TG22=.U= MV>F'55;7S)O)Q-O\,SSIAH74II@/^%>;0*Q4E!48)+(6F8S2M+*)9&Z0-IU$$&EO>^['?6WH *)_0[?
S M@LAXLHX4Q0HZ,70/NW=WR'C@"D6S*&"F;0GK,<_05+'!K-0GRSO3MVU,!@C9K6/%]*+ZTD%>, 1D,*1"T*?+A3[1\-+!_ 4TI7$JA0"+LJ0_(P M+Y$](]DNX51/?_7?,VJ_&]QZ?
$\N/!.C2[7D(O_032LI(;;/'TH(*(JHY$&' MB;E/T@;C64J;=!?18%B-\S!B8-LE")]949)OW\K)N46R#R\TL^0\;3T^.TS\W^4J,.$U5A,';6TC, D,MX#QI/Z*SS9-)5F X]Z%>;
M_V2/3DZ02N2H!RF27P0#)]U><4'>[4BEX),631\K3H;2)5;[272S3Q M9:SH-WTV9#K%N)U1: $F98<$XA+%:R-]?[M M,$]!BU)3K^\ +I/:LK='#2X(AH2?#T.;45>RSVP (R?
(C;861\5X <%L!<](_MH4XTU.6[P6V(&FC:S8FE0MAU;KG?"MH=!I<2[0_4T?&?5T?'/JBC;1JK.[J- MQ8JXI^R8%F[0 4ENWP5R$F1VT%T,ZDC>[[IN$*ATO49A..>SY=_\6R
MN;OYQ]MEKLZ4(1VG2H7,5Q+;XC(],ML;O.G$]++D][D^TOCXTK/[M7ME/(MO2OOE M\7WS;](A4SQH_@);)IO/CD;"Q7>X\4NP#;\WG=N 48D_KI3$ $4+\'QA0>;2
M%SJ@>Y%^^E]02P,$% @ ,X%#6J\6 _I!@ '1 !D !X;"]W;W)K M&ULI5A=;^.V$OTKA!L4NX"N;4G^W'P 3C:]W7N1 MWL5FVSX4?:
DVB(JD2I))7%__3U#2K*=W:0M^A)3Y,QP9LZ9(9F+1VU^LZ40 MCCW5E;*7H]*YYMUD8O-2U-R.=2,45K;:U-SAT^PFMC&"%UZIKB;)=+J8U%RJ MT=6%G_MHKBYTZRJIQ$?
#;%O7W.R01:4?+T?QJ_X)'>EHXG)U47#=^)>N!^; MCP9?D\%*(6NAK-2*&;&['&WB=]^G<^=L22<2MN=/6S+%QY.5J-6"&V MO*W<)_WXO>CBF9.]7%?
6_V6/07:V'+&\M4[7G3(\]*4^O_RIR\.1PFKZ@D+2 M*23>[["1]_(l=_SJPNA'9D@:UFC@0_7:<$XJ N7>&:Q*Z+FK3^)!J%9<3!R, MT=0D[Q2O@V+R@F+*[K1RI66WJA#%J?
X$3@R>)+TGU\FK!M^+?,S2.&+)-)F] M8B\=(DN!O?3UR-C6Z)K=P%<#!B"[KF0W/]_"L%\VF?7SOWXM <'^[.OVJ5K> MV8;GXG*$SP;O9Z]9?PV75Q6_[E:?B\^E0"KJA[O]
MM]^LDGAY;E%984U:MA-*&.Y$P5QI=+LK\2N8Y95@>LOL'G@+\W.625WIW9XY M#?9%*.B\9-P>"9 A+.A*[C1K@M0/_[[O%=[_L&&5S PW4EC&54$6FY*CRAAY M+'-
,H^%@R"AJZ!8(H-(-.H5C;T;7O:71V_$! M]HQ77)%5RL!65^A%4NV8XQEB"PU)_H%EW1J6/U=ZQ]Y(A53HUF(_^Y:!]J+. MP!^BZ[UH7/29K*2C++Q)WD(L
M7<40BB%$BA"TTL(*LM]B%: AM>Z59AKC"2OJST0K)HF@W1#U%8]EA*X),? MV2)><$.@/4L?WQDA:&1#H;A2FH(UW)"+8^_CS8F=7,C&T9 7#Y0KR,Z]I4P
M/^'SV0CC#P]:UADHX:&S?^8VAWHMW)BA^WH>@I,"4Z'K".HZIT!0W_ 1/9]- M(Z_?$9^\UCL%N(N!^PC@+!XOT6"KJJ<5)M)^([*4-<*?(14XZ'L*V0Q@8,L1 M6E
"4N552YYYPH(@#EW]H]SVK&'=>(A,[J121$4X(#E"0+ZF+,?I /XI".K^_ MKX:JZA8)?6"HD#X?&U)%NRLl1'04)%SA^&XT4,0VP4((X25H+'[M5@9E;/4@ MP?U^[[$O(KX#5R _Y
#N>Y0,5Y:'(Q<4I4!1;7F/-(F\M*O/(L'>]H,#W#/M M2Z IWK/5..XA&A\W-R:>""U+.PZ9.*"-1N(=4>()(#R*ZF'@E2>E;PWZ13__
M@GMC=HVK0L%TH('BKC6B3'S#GQ4JE1T>7S\)YK?&B.(4!^L /,K"#>+<,6"I"Q\"RXT^"X]Z_SPI#_$/A##B M]U:;$$!&G[5T73P/Z(%$SAWE175=3*C<-ZS/Y0D]7]^-
BA[MRQ\).'PP2#G" M0>3;M#RJ\0IFA7B7MK"1JIE/F7JY" 8>ZWX MG+V7MJ\QJB7?:KL4ECAZ,KH5LW\20,J@CR##&#<";TSO &),+WS;23K66E+ MV?P+41;"@NZ!V&.V02+
"7MR6E",/RI)&;OW<.*4XXH7/&)WXDGFV@=TCQM_ MV1LX9[=WMYL3*[>MP4LB4/-.%@6&"CP^JD#2'@N7H;S! _!S#V5O)@JJ7;'9)+3/CB\'AVJ/NN0J?%(0MG
M;)Y&R^D:@UD:K>?K$%:RBM(I9.,(\ 9_%Q^;XF\:K]EG38PY8ZM5M(Q3#)9Q M-%NO_BIJC=%%BV;P]WR^/[UIT5UC$K=38+!ZEZ)*8\ND 6E/R)EY$R7+)-
CDO2.YP&8J7T7RV8#$@ M7Z;L>\$K5^;4?6;K*%VLV6P:K7]^T[K8H*+DLSQ\&M!+S9?S]E\L7PQ*\] M!R9'3S;0;>&ULS59M
M;]LV$/XK!W4H6D"Q7NW8J6T@+VVW#QV"IMT^#/M 2V>+"$6Z)!77^_4[4K+] MQ'G6H=NP+S9YQWOXW/$A==.-TK>F0K3PM1;2S(+*VO59%)FBPIJ9@5JC),]2 MZ9I9FNI59-
8:6>F#:A&<3R*:L9E,)]ZV[6>3U5C!9=XK<$T=1NO5_P"\>- MV1N#RV2AU*V; %3.@M@10H&%=0B, N[P$H5P0$3C2X<9]%NZP/WQ#OV=SYUR M63"#ETK\RDM;S8)Q
"4N62/L1[7Y$;M\A@ZO4,+X7]BT:S-:7#3&JKH+)@8U ME^T_^]K582]@'!\)2+N U/-N-_(LKYAE\ZE6&]!N-:&Y@4_51Q,Y+MVAW%A- M7DYQ=GJ)3 5,EN ';[\T_(X)E-9.
(TOP;E%4=% 7+51Z!"]##TK:RL!;66)Y M/SXB6CVW=,?M(GT2\ ]+ 61)"&FTN#EBW&:I& NC3KGY0/V< *UDKBEJZ9OZ6E<-D0- MDDD6QOFH#]_][^R?
E&7B>$G<=FD2YG%VC$SGO:FH B<6=;U?P#/X/+@9P$K= MH9;. I:2-XW>PH(+X>#S29B=)C08WM^"['F:=_S,H^A_'?VSDB=%H[57BO$Z M./'IV>T>$
UAK2EEBV(+%0IWC/6:28YNCR0^;T4\$*@YT!35[#0- MT\GDD+5$9,/T7Q'Q#:YMI^+XOU+Q*,R'XV/":9W/5?$D'-/J0Q6W]N>H>!1F MR>BHBEOO]ZAX,LJ=()+)/>1A',;C[!DR?
C+_ZKCTW <#Q^A[3P3NG]7C?8* M]L':2B.ZLW6?6W2?V\-WU>]!@RR$E5?9 ^DY=Z.Q3&NVU/37JE6_N M#!U3(VW; ?76OG\\;NF;\O;YO,#TRM7%(%+"HT'I_ =-
O0M1.KUKZ)6BA+ M+9D?5M0#HW8+R+]4RNXF;H.^JY[_"5!+ P04 " S@4-:&XVYY,(& ![M$0 &0 'AL+W=OC^:A[\;O: M5H%?3*\N&KFE6PH?FP\.WZ8]2JEJ,EY9(QQM+D?
7_.W*Z:/!)\4[?W@6; E M:VL_\Y=WY>5HQ@J1IB(P@L3'CFY(:P;"&E\RY[@7R8S#YP]!EV@[;%E+3S=6 M_TN5H;HH9O&5OZ#+B+9\S]%,T]*WRA;9LJQ=_7]]] M<,B-
OX[9G"!7QR&Y7LY(PNZ'*$@/+D=C:Z^_V[^U&;)21IE!2"V7@O99Y?2R.4J#2 MF*%Q=]>XB-/%;"P&47A_+]>+24?"%04#_%"B3#K075%)LV5L51!>
MR8"2;W4IUH3^4!#*NQ3H4T*;]'T0>&ZD*D6P D$V?D,X%%K)M=(J',0/H*0[M%1+DCS G*Z](@7@/[%!;'X0L=](S="G;>I2?^PQPEL34O:A[7. V;]2G#XD
MT3)UH36%/9'L!KI@F)1(3LNF% 2AGHWC=2>RO(!GE"B7O8H6GVE**KU,9YVS6D!5(+F31N8I>1N\XBR M-8]I]Q7;$Y569CO0:!+S">]:4KH2D?6%4^N848Y(:-
J1CNF1@6)$:WG@>+:< M2ZQN](QZ[PQRCLU (C](S"'DZAI=&\#Q%'1'@,QFK-%!1 M&?6EI3XI_]=%DVVAN\!EWECO%9\BC?;84/BS0.]$VL::*FQK8 AWBX,H')5H
M64[YSYPTBB7'7AT[!K?G005>)]?D,BH%C!GZ#\7"K;-U40PZN/)@81#,7ZK7 M2+=N!H\';5]^BPK+ 6,1]Z^/A' 8)1>$Q@;HS\4/L!75(- M1E0V AL&'?
KNVX);O!#SL^5XMGJ)IYR%#YZZTX^3VXG8VATY$[T47%0=K49I M]*#5V7BU6/5\W6=^_8<-L/F1]2_$8K48KU[-GI#=G29_WE(3LD-G_^<./1N? MGIP^Z=!T^F\
<>C(;STZ7CQR:7S_CT+/QV6K^I$/3Z0TV35[96K!B+\?8X7IG M)_L*+>;GV+F4V6%2QNUBS-XZGM)[*TU-(\]N!M&:GRXD!QWZ [7)H\I9:0NC/7&#E]JV[I7H#&[?W'X)@:RONDW-
]\M2SNAQGI(,UZ5UYWIT2HL$CCLN M8E;VO8^)AZTJQZW$]%7R'59AXW8R(H8T:#12/'=)8\].W77*X*E=60S*O6W'W MZQ(O[B(\WG<(* 15I#G&D2?M1L?/A.+-[M.

[G\=B#3V'LPHGO!/D)96OT7"2 MP ,S5,X&4[T0(M8O:]>^S1"VYI+(UZ]6 U.UWZ4[=A![&+1/EBFR)G#,U?-9*7T-U,#6/+2"&FF M06UM>SD$)[!_M@\:WX0ZEX@U(
MPY4D&A;3X"JZO$Z=O!?XPF%E]M;$63)7ZIM[N:^F0>@(@8#2.@2&?\]P T(X M(*3Q?8,9[*YTBOOK+?J=MQUMF3,#-TI\Y96MIT$1D H6K!/V4:U^A8T]F<,K
ME3#^25:I;)H%I.R,5;(:3SGJV=DU$TR60/H,*%73*@G2FLG0(KJ3&98; MI.L>*3Z"E)#/2MK:D(^R@NI0?XBL=M3B+;7K^"3@+90#DD24Q&&OH^NBN>2],R$J8! M5H?
HCS\Y03W=,<\/87^0V$ZB?0^SV/PY$U@?HCK']2:JBX)>@N M Z?/5]"!G(6#$>:L$+[\9/5FPQ"U(!AD:..@=*X'V@D_0VLUVV&]3["F!5_# M8CT@]_(9"2K-
\;+]=:FP7QCKH&WMF#F27"XOR3F7N*4Z@Q>8B\.+#^][9"LL M,0N:,V'(&8ER&B:16XQH$N7D* ;9#UQ^:+4JP1@2TSP9X3-*.;F.M]A&+242@WOJ;.,\\Y^\]XG-
E6:>/VSAT>3QF(Z2L%]D M<4'N.BVYQ;*C9,%?K*_1TGAQ7I/,Z;C-/;/E'R!FI<"!>,H\K\;S-3.'L@G M-$;/XC,=OQX;M; KAKZ.0AJ%F?L+QQGY!-C/:R70YPT&\QD:G_39B*9YZ/_2 M
D$D-H6N_XB@%U!PJ5W8"YI@5F!L"Q?2J(AIF(U\EA0TRA-$-^:27)5EUW1] MKZD 2Z[DS&X+@C5*6_YWOW%>1#0IB@MR/LIHGB87#BL,:9Z/_2I&OX7'Z;@O ML%ACF?
BR=G:\.]54&%5*Q/OV^E//ATOTEF2"= 9>G58!UIS:0QH0_"+Z#+&U M!B!-W_C!-?XC:?IV-Z&]OK)XVVF_P M.(,AGA65PE@^.BPY:2#\;;C;<]XC>?
M2F6GM6,N.)MSP:WK$L=/_H_^<2^Q@\)>-EOV@M M6[.YP+;HLC-WF1+349RY MB/J]S@$/EPJ1ZRF88I?99N.4C'/7FC),^-C_%|&(O/?%&>X-"0WHI1^%G,&= MM/V\L-
O=35M7_9#Q*MZ/:I^97G)L)\)6]([-'8<;W8__8M5K1\YYLKB ..7 M-4Z,H)T GB^4LML7=\%N!IW] U!+ P04 " S@4-:&>,P06<# !N" M&0 'AL+W=OF#:A&E
M<3R(:L9E,)MXVZV>3=3&"B[Q5H/9U#73+PL4:CL-DF!GN./KRCI#-)LT;(WW M:/]L;C7MHCU*K&$E?38)Y<+C+G[QW^XK@U!VMP2I9*/K-33D-8D>(
M!1;6(3"Z/>$5"N& B,;_'6:P3^D"#]<[](]>.VE9,H-72GSEI:VFP2B $E=L M(^R=VOZ!G9[N;]P,H-L;JN@LF!C67[9T]=W4X"!C%/PA(NX#4 M\VX3>9;7S++91*LM:.=-:&[AI?
IH(L>E.Y1[]^DIIS@[^Z14N>5"),E<&F9 M7/.E0&#&H#63R%(.YQD5'=ZBQ4M_@->'STK:RL#OLL3RV_B(N.T)ICN"B_0D MX#46%]!/0DCC-#N!U]\+
[GN_O\1?/,J>.X%PS4WA5!FHQ'^GB^-U?3:_'.L M#&V6['@6]RE=FH85. WH6S&HGS"8G;U+!O&'$QJRO8;I%/HO'-I)O..L3R>] MAPIAO7-9,L%D@< -> !IL82E^^(OH<G^F<(^-
[4QQ M9UIT>,P2RII+R>4;U H:U%R5T0LR#;_!*]'2?*Z.(A"XORFOY.PXI);?"^H M-1Q3V0DSP.B%^$[:]U2^$1L"/AL*BD$FK] LF0!"3C,$EC6O2R&/@[-TH3=(/D",KQCAV "D5]#
<&PO=V]R:W-H965TUS6 $DM^)TT").F*#5BWHNE:#,,^T!)E M95C:3B^-_O7$J6Y<3Q,.R+35'DN>>>^R!UN=;FF\VD=/18Y*6]&F3.51?#
MH8TS60A[IBM9XDVJ32$<'LUJ:"LC1>(W%?EP%(:S82%4.;B^']',?S?6KEVN M2OG1D*V+0IC-K2_=[]=':@:=BA)*J0I56Z M)"/3]\%-=':$[X?5^P1^PY>EL/).YU]5XK*KP6)
B4Q%G/M>/OV3;/V9,EZL M<^M_:=VLC; XKJW31;L9# I5-O_BL=6AMV$1OK!AU&X8>=Z-(<_RG7#B\^M+H M-1E>#30>>>%?];I!3)0?
EWAF\5=CGKG^1<,E>#AVP>&88M_MNFWVC%_:-Z8,N M76;IQS*1R?[^(3AT1$9:(K>CHX#O9'Q&XRB@43B:',$;=XZ-/=[XJ&/TY\W2
M.H/8_W7(QP9B3,72.-0FZ924LY2*6.7**;RI$3E#I2Y/8U'&J NQ MS"6AW(UP]EQM >1CI0P_"TNP6Z&_J'S#/J?]42;@43J1[Y8R%^"1X9HEIZD&$$]X4_FFJ=$PG*6'%2
MO\S!D2J@[D.[SWQ8&Q)+1)3G",(KS5#K3 %+IJGTC1-R&IG4<:.3TZSGDP#H M-?1JI>V%JLU-B$%0#CE5]KRNO53#GE2Q1&V>L7X2GC+NOC")!E2I'67B@?7< MQ$0#
4V.X2MY;LV]]M,AG9YG7"*\X%@.>YP'@>'5\<@+(!B\VYG\/5WBU$T M?XN45S8VDC?VD_G00?<:@?ZR!;XN-RT4FPM*BY"K@XDAM4E"F[3%6C/*,X
M)%7'C=WM^.W)T;%KV(B5D6UD$^VWH28\^)Y0]$]5U!@\B+R6M*H%:L])* 1C M>.F,\B'W?G#2M,F9ZAQG. OL?*OP[8>-]:C_8)NB.M7I*1=56SZ<: W'7(GE MM@,9F8-
3PH$X)/FS5L0YDQ)."EDL48[:T^*"WGC!T)E@QY[LK[CQ#"[HMWVT M_S3I%4UGP60^I;O:^++HD;WH)BMM_(4*5)XPW'/N%473(!R']*LNXT-X3PGU
M7@94@@X,Q$]LOJ+9/)@N9O2^=C4*BEM)41=/*['IF))M&OOA[O["Y+Z:A6V M#;E]IO".^Q]2&!P29<(/[I)R+5!X09\D]SYF A- G;(F41!-9_PTHV@<+!93
M'L]I$8SG$0\7&$Z;X3G-@EEXSKF'>D%'-+2(@DDXI<^^_;S@/(R,SH/%^1R= MQX(Z.E[-6<9MF+.;WDSFP6@1G;0PQX.X& 6S:-9"/0W'FR;$)_\OEEQ;Z'@X
M*9LVFK8@.'EQ^VU.#5M75>YK&XQ5V=S&&64MGT3JH2=T0J?/DS2:GHU:OAB.V^$S9&[1 MNH;"AOOX 9S9V92^;W_O^X+&PF:40K\]:7OM*=^=8?]%Z[Z>=VRC2]+VR."L
M]+VO@ $4M#^"_[6Q(1AV/T?NHL.>U\$A30K_]W#!Q/D:3X.NMGNT^]F^:+8 M+6^^RSX(L\+]#$12; W/YM-!TSNW#TY7_OMBJ1TN*7Z8X?-0&EZ]ZG6;OO M!KH/SNM_ %!+
P04 " S@4-:#$^-/-@' 4$P &0 'AL+W=ONIJ2S(-E\IBFLQP;Z:EU-7H M\CRL?;*7YZ;QA:[HDQ6N*4MI=]=4F.W%:#[]%CIK=>YY87IY7LLUW9'_4G^R M>)KV4E)=4N6TJ82E[&)T-
7]W?<+GPX'?-&W=X+=@3U;&W//#S^G%:,8&44'* MLP2)?QM:4E&P()CQ9RMSU*ODB\/?G?0?@^_P924=+4WQNTY]?C$Z&XF4,MD4 M_K/9_IM:?TY9GC*%"W_%-
IX]349"-4'>HO=W$>0M_I&_RZ&_XD8[51C76!+_O5HY;Y$T_WL* MA:CDY&DE3*1WKI:*+D9@BB.
[H='EM]_W\S>O^#"2>_"R4O2OSYD_X%CJQ,CYGGU=R55"P'_7.F0J/.'T.ZY(W)N+GC*6D!!6@9B\&2LEJ MP-;)&]RNL:0[J6Q2. -+K03FC$-8@,\,;-3E*1T'13$[*=SK!?'YB;@CU5A@
M#XB7A82$JUCU/E8"%*)R15;.DT C_)4"T9!<#X7;7U3AHHP7"[EUC?:PI.9G M@/V) I2;B?AUJYT7U]HXY$BE.![L;6P;=G0264S&8HEB*6[-1"3):[5Y/3N; MOSD3KVXG-
X@P#GPG7GWIS5F2S-X_8WO8G;__3FPE@JD+F("DR"@E"VPY<7R7 M3K?&XI^MF,#>:J0B@(02C1RHM.PU+?E2+U>ND67.!PEM1H^%:W@V6N:9, / MNP)&'S-D(=EQ"-K^P(](8;
$QK0'Q"L6U>]ZH8RJ%+GK]@J+@M8@D=AH4P2T M'!O:N30(!;_"51[9SYV_>N)QEXP=TI8%1(BURJ)0#BQL=:6VVE1+;CA$1. M(F(T+D&EW#LUFS:-#F-
:2)6.W&G$%E.AZ6LM8>-?1\]5V!68G]HD#Q3,#IP K'<:I<^00Y>A\ M]%AG*#ZY::% B8C5I&6M,PU+1ME#G+D%55R8(L&ASN7(E]P4*1.:I4CU9Z,M
MA(0=UYET"'G@C9@",J/NOQH47FWM2F4I.1 @]A8#&?]7;=&/Z:*,PZS)U>L_ M#?!+SH*,19<_3'U9UP8XP&8I*DQ_/2QC41G?=AD-NG'_.H LY@H?4&#,F+5S M3 :G6OAY.V;BD2[
#"FV[*]RHF+4#!9_5-X$Q^=#HX\T1!M0Y252#Z/2/I5C MD!\MN0NG&?+Y3@S(;KP* 3=PW-86X. MC-OOE4%12QU1FH 29&,P0F!=:_UQ[IE!]KZ)E0)R+#(*Y$3&@!G6HOL(VD\=N14
M'#7'17P5Z5WN(S N59CCY5;JD(*\]T>3KNE?#@XKS6^Q$QAB]28.7OL![8$J MWY+KM"L95-*16COD%,?D&Q-YQ@W0S&X]?\7;(( ]A\=G+V M^LOMU?APHF)+OZ"+L#1FI-
M/4;'2\B =2LA@N+HAU$ >.KKPI*@F*'SVN'=$ M:E:"$ ZS(SJ:D8[@Z.:(F%[!5Y['PV##C:=9,9U\[*HLR"'>3W;.YT8 YA31 MO8N]42&NF.L.BNC!.-AUJO8%HG?*(]"(L:
(T"6.,ZIM$SRTA^Z' MQ_D"#I(-@<,19(G7=1-G2:XTNR[U^E:LP0O>19$P11.6NL$#@"I=AR'B:5(- M&)U+B/PGT];D]5?=Z>!+!6K9.GR/<:%]^OC1HE_M/_E]$'#+E< MM O*
<'4V>7LZ$C9^@XD/WM3ANP?>YKPIPT]P'E3B]C/#"I:^\ *^@]AEW\# M4$L#!!0 (#.!0UJ&8)D!OP('L' 9 >&PO=V]R:W-H965T]@^+/<:K M[,7=7>/P]YU=8X>T0%,>@+W,.7-
FAIF=M$H_F@K DB?!I9D&E;7U=129O)! M3:AJD'A3*BVHQ:U>1:;60 L/$CQ*XO@R$I3)()OXLX7.)]JQG$E8:&(:(:C> MS(&K=AJ,@O[@GJTJZPZB;%+3%3R _5HO-.ZB@:5@
J1A2A(-Y328C:[G8V?O M#;XQ:.W.FKA(EDH]NLWG8AK$3A!PR*UCH/BSAAO@W!&AC%];SF!PZ8"[ZY[] MHX\=8UE2 S>*?V>%K:;!54 **&G#
[;UJ/\$VG@O'ERMN_#=I.]L4C?/&6"6V M8%0@F.Q^Z=,V#SN]_@ (-D"$J^[<^15WE)+LXE6+='.&MG4 M!ZOQEB'.9O? J86"U%3;#;&:2D-IOLPDLLCOK*)\RS7ON)
(#7"FY4])6AGR0 M!100\1'J&L0EO;AYK[T'\$N?+!?=H(E/V9+ M@]'G]N>^N#O:\7Y:US?7I]8Y3 -L# -Z#4'V]LWH,GY_1/1X$#T^QOZ?%3]5 MZ[;13*Z(K0 _&H"
(KI3@2DFP$""6H+N@^HH0*NW24,\][D:)FLH-J6B!];H& MV8 AI58"=\]N&1XRZ0%4J$9:HDIR-@YC_'=$[AL56<^2,.T/SA%O:0#MRS0O$:_W\G:O2< MEY#,?!Q'BO,
M=V]B_MD:,2P-5URP)G&]=T M437=O%;13DWVM5BT,Q %Z)4?^X;D+HW=;!Q.AY=EU@W49_/N6;JC>L5P0' H M$8])N B([D9]M[&]]N-UJ2P.:
[^L\'4$[0SPOE3*]AOG8'AOL]]02P,$% M @ ,X%#6DV2^-VO @ !08 !D !X;"]W;W)KGULC53;;MLP#/T5PAOVU,6.G79%EP3H9BF^3O M1\F)EP)MMA=;HG@.#R62TY5U#
[Y!)%AK9?PL:8C:LS3U98-:^)%MT?!);9T6 MQ%NW3'WK4%01I%6:9]E)JH4TR7P:;;=N/K4=*6GPUH'OM!9NZ5M[ZWB7#BR5U&B\M 8&[Q)7?6T/(M9&'M0]A<5[,D"X)084F!0?
#O"2]1J4#$,AZWG,D0,@#WUSOVSS%WSF4A/%Y: M]4-6U,R2TP0JK$6GZ,ZNON VG^/ 5UKEXQ=6O6]1)%!VGJS>@EF!EJ;_B_7V M'O8 I!D&Q'P+R*/N/E!4>25(S*?.KL
%;V8+BYAJ1+,X:<*CW)/C4\DXFE^; MTFH$$FOTTY28,=C3\L]#7(/=4G&$,-6^X8AI?-M?A=J,7GK_=*\U-;IE'$ >2ML9 MZKMTL XS[KQOI;_N_8"\$6XI6:."F]'9Z,-Q JX?.OV&;!L;?
6&)QT9<-CRG MT04'/J^MI=TF!!@F__P/4$L#!!0 (#.!0UKUUY&,O@(P& 9 M>&PO=V]R:W-H965T[C,.P@6[0M5)9<24Z:?S]*=KUT2+/E$(LTW^,C(S++G38/MD9T
M\-1(95=1[5Q[&<>VJ+%A=JI;5/2FU*9ACDQ3Q;8UR'@ -3).D^0\;IA04;8, MOEN3+77GI%]X:\!V3.,S7T6)%X02"^<9&#VV>(52 M>B*2\3AP1F-*#SP\[-
_#+53+3FS>*7E#\%=O8HN(N!8LDZZ.[W]A$,]9YZO MT-*&;]CUL3,*+CKK=#. 24$C5/]D3T,?#@ 7R2N = "D07>?**B\9HYE2Z-W M8'PTL?
E#*#6@29Q0_D>Y=X;>"L*Y[$HW#36'\A0/RI@1H_?'Q8#>].CT%?0< MOFCE:@LWBB-_B8])R2@G?9:S24\27F,QA?EL FF2+D[PSCP,4I M!G_V___1L+:@2Z .8I.C&;LX
5>$;J.K@4'+#&NR9[-!'O$VF"7UFT%*;)P K0<0UG9,%0A=2P3XA*80-B!H M&UC%!>]&L3JU@"EG<(-*^]>Y_ DQ "HN(5=C0JW5$G9>=.C)%9,RCVP+1.2Y9)X% ^! M-/"%I!
.^3[T-=?,<)^:"Z)VVMCIL5L1'TQH@Z8*>\B2WDZY?EA'[[CUOV$ M_PGO]^079BJA+(DL"9I,WY]%8/K=TQM.MV'><^UH>X1C3>L:C0^@]Z6F)@ZG& M3S#^ 62_ 5!+ P04 " S@4-
:S]$2M?(' B&@ &0 'AL+W=OW_]GG.&E"A;%WO;HBC:%XD4S_U\YS+4U4;IKV8M MA&4/95&9Z\':VOIR-#+96I3<>*H6%3Q9*EUR"[=Z-3*U%CPGIK(8A;Z?C$HN MJ\'-%?
TVUS=7JK&%K,1<,].4)=>/MZ)0F^M!,.A^^"Q7:XL_C&ZN:KX2=\+^ MK9YKN!MMI>2R%)61JF):+*\'L^#R-D9Z(OA9BHWI73/T9*'45[SYE%\/?#1(M%"*S*
('#U[UX+XH'!8$9WUJ9@ZU*9.Q?=I)_-_!EP4WXKTJ?I&Y75\'T@'+ MQ9(WA?VL-G\6K3[CE)>IPM GVSC:.!JPK#%6E2TS6%#*RGWSAS8./8;4/\(0 MM@PAV>T4D94?
N.4W5UIMF$9JD(87Y"IQ@W&RPJ3<60U/)?#9FSNKL]\ H%\Y MRU0)N38=$Q5]=\%JP+VO!WL,#7CU",69*0Y*9.<6V.&+ M8]^6#/],)F;#>.7$:;'&\K\7K%#&,&A!) T(I8SJ.,Z M6Y-
],= 4JB;KP^$DFL)G&J7L#AJ,K%9#MA(5.%00,<^A="6B"WL02X=^G+#) M,!RG[(NR0'0VD&!),)Q. W?AASZ;54Q"([I40#-12JL;%\:RH#40KX[4$O?)7 M(+(*
(HG1MX]DK/C62.>7%@7E"2CZ#$8M[09J:2\&<<1NER+[/.I0SJ)<"+TM M:5*&",>LJ+) M(1L=;&B(59EHPW.0W;"\T1W/B_S @.X0>+F/KR%:(6]+ZIW42]B@45\P:D>& M_4)S
S%\#W!9";:"CF211K EEYK=\Z(1/>Z_J.H>[$:;G01N 72U;8WR6Z, M+4D,:(E"+XC8GU HL !T@H3%$R^*V<\D9?3)F :+(@SC"Q9-/3]B,.^60B+] MVR *X=?
2\.#B[\'(QPF(>F=>'',9@93]XQJB,'5#HIOIH$W@=$&90,@Q413 M1305=IE518C;PS$BK0]-$ 6HYH!(Z EV#59)0V#/6H*%8#U9"N+,.-L\C;OK M*FA Y
7L$2K=>-3UG#V'T]+B\)B0=O@[B3U'3 [W>]!WYLX!9O;&'ILOM.V M9\^'UXD>]FO.!0#CE><2\P>7%%01+$@\@:['ZNO8NR+M2C$&W&-F Z0W2Q
MIJ9=;2VAMW2CH8052]:%H*QTW1DZK,:I +UK*>V0I+IKOI %EG\IT!:JS5Q MGX0>#'8M'LFMA8)PH_!< CBLPFS3$#S<--O&M@.;:-+LQ2)!"H>A!FV[$DHN) M'?>#3%
<]O*30#ARQ9C)6F*LP%^^Q6^'.-:2 M63A;H,XN9QC]V.BBRGC=5W(C"*05#FN .@GPSCUF8G=Y$']@QT8T=QH7S2 MFR@F%)U< +2V\'A-CCL7B'WYS.HV9K1%
<3@ZX8;KTN#_ >T/8OAN^:J&2A[N M7*6V5>Z=G[W_:^,T2"8PUL*)YP>]<1I.4QRGZ?CI.(T"&)QQ[*73_CB=^KAO M>FGTXFGJ)Y&;ILGTY#0],S#-T8E)\R-
)O'@[@_?:5E>=3_!YI%*\O7.'&\)4 MYEO;,)5&M#:=G\6AY[]B%K\8D__4L$W"_K!U0T/5[NARMFQ,C_SEFZK94_*? MK2B8Y#J3IAL8.
[9GE%K@:R$T%8Y]=+2FX0.3F+VEI%ZPV6JEQ0HS*8%"PFDO M:]/YU\;"^;"BH!RKR2288DW&WCA@L1=B@4;)< (UV:LYK,/ @V6897K 5M9@^S0>IFGPU(KGL0V&
<0QZP[$7H0T^&A1%PQ36;-<1W+KC M5-$$.2IFC+Z,/?!I7\Z_K^S]/I# _Q94+7:ZKW.?[Z(O+Y70I[KH_R7AYL4$ MI\5XBA,F\:(IO<'PX_ \COR=\:@30^2XOM^-]Z!?
V^'1G3T#ZFT%^Y-W@,'@?[$Q7=J=!#KG: 6 MNVT4XIK3J<0M_2C$R:P@%N9GZ8$'0E[_ 3[%[0*5H@EL/K>9#Q@VOTCX6ZLJNE? M@(6R5I5TN18&ULE599;]LX$/XK M
[4H:D"(3A]);0,YNMA]:!$T/1X6^T!+(XL;BM225)S\^QV2MM9!G #[(O.8 M^>:;B^/E3NE[TR):.R$-*NHM;;_2!)3M=@ MJ1-)GJ:SI&-<1NNF/[O5ZZ4:K. 2;S68H>N8?KI"H7:K*
(L.!]_XMK7N(%DO M>[;%.[0_^EM-NV1$]7F'TG E06.SBBZSBZO2R7N!GQOWYF@-SI.-4O=N\T>] MBE)'" 56UB$P^GG :Q3" 1&-?_:8T6C2*1ZO#^B_>=_)EPTS>*W$+U[:=A4M
M(JBQ88.PW]3N=]S[,W5XE1+&?V$79*?3"*K!6-7ME8E!QV7X98_[.!PI+-)7 M%/*]0NYY!T:>Y0VS;+W4:@?:21.:6WA7O3:1X](EY[*&0,] M4J!IG&96,)UMTFUQ[@*&/DK&
5\4=*V!C[+&NOG^@GQ&4GE!U)7^9N -UB= M09"%D*=Y^09>,3I9>+SB%$/3$LNMP9NR;DQ5E--_'7*WP!7GH9S M?7)A>E;A*J)&,*@?,%I_>)?-
TD]OD"U'LN5;Z"#91N!8!54]NNH MHJDXJOM6B1]U.>7%_[;SO45HE*!&I6A!,&?0&CK4M@5+UV2Z)R*^HU3CCZ[I MB,FG#^\6>3;_9%R3\
J8K*'F8K!8@WQAZH)L:43H0N&@*QSXR"4'JL&0KHD! M'ROL[1&]F@I\XFO"?0KX.G2HF57Z D9GWL-'*ISI>3EQR[*(TW0Q@1N4BIHG MR/[RG4KVV
.I;S&&@Q@,G1&%X**+P$O>\0GOIN=Q-LMA.H_+\SF\#.LI'>*6 MGDV+25C,IQ,?^UY9E)8S(9Z")#U88I(#2=LR"SND:%]XQ.#"UFC5A=PP40UB MS,WKT8<-5HS<=5I< S8-O9'T?
ZBAI:B0O=(#R91&5E0!7@;A,%535BN*6/ MHBM0LZ\;9]=>BF2 MHW><2GOKIY4AEP9IPY,^GHX#\3+,@?_$PS3]PO264^@$-J3]2BP"'294V%C5 M^ZFP499FC%^V-
-11.P&Z;Q05XW[C#(Q_$];_ E!+ P04 " S@4-:_4IW M!$L% #%#0 &0 'AL+W=O)*$5J)&7',?6[HUXJ-ZFS M /MBZX5W]]S=K:8SU_/*]%,LCJ-SZ[=ZM0V02N#UPY\4U7"[*MWYT
M#9Q):NUGOOF0G25S!H0:96 /@OXV>(%:LR."\4_GE"LN'XNO?^+N9.N:3" MXX75?Z@LE&?)+PEDF(M&AQN[?
8]=/J_8G[3:QU_8=FOG":I6)EC8F@VN"DUH'W!)E!%&*']EAXB<31X^&N= M^N"(97_5J$6P/'C 'CR3GPM))XE-<=R&TQ6/_UP]'K^ZX'TCH?TC@]Y'_78 M[??
8]SW.VQZ[0SW^OV+@!DV#+<&7@2@:;HH-%\U\E)-+BP52W,#O >91,=E3W[M=G#=.%G2$,*Z422 8.1B]Y' MUP;VY,.3 "E3 "&]0*(+),6T-JC49CO(E)=V@VX7S5-
EZU*0F@&33$EJC>CS M]Y!BV"*:O3:PE:)WK1:A\U3=AJNI=QRT?SQRP_7^1!X"NLKW:1TVZ8L=2_1$ MPAVO>GR2VD!>N0E-;?
>P_SQ&+62I%43FA&AM@W;*K.Q>M/RFU9]:V5- M87F93;4JHBJ1IT:6O';H*]7)-W5M78CV5"%T@X+1$Z+^X4I/8=VZW8O;"SA^,Y_ 6TQIG*)3E-9EW?
(GIX;P"]"'I.2ADDQ@6RK* M?4L^B,$@*DI9?2&SQG.1V!+S'./V3Y6E?E'24&$H;08\&NT2'U351].&]OU\ MH!9#,V-UGJ"JB"@K%;HDQOK2%C45.M:O" ?,U(>87[XI&Y%
[&>G^BA*>S9MW.!\VX<%E/"'+*EXR,"-*T7,3[FGP3I,/0 M>\)Q=RFL)[UR9'3)P@%+R(5RL!&Z88AUP^NCAE*I9#N* W(.:*@+H11AZ"5/ M#*7 !'YV#]=1B.AXA5OK,O'-
E92Q7%115%P:<+0@2?Z-A2)F$EH(]>^H?9S M<=,>E8&Q7 ^)Y'E/$R)V.JE;1Y-N+-
%)&%,>7=:Y"%G2=Q8Z7D#OIW3/76.!5%"G)TB2Y8HH+38LLKJUMD9G62Z%A;8EKE>+VYPJD MZ7(ZI<>%![&Q?5A@1=;P/6S ?VW6%F=LI%1"@7;":&)AE]/E=+&:A_@8\"B@
M&00GHZ/]$\Q=\QE MRQW<&/E-5+[.Z0=**MCQ5OH'TWV&(9]W@5<:Z>*==']L>DU)V3IOU"!&!TKH M_LE?AO=P(D#.>4$Z"-+HNS\HNKSEGA>9-
1VQ(1JI81!3C6HT)W3X*!MO<5>@ MSA>;=NO@N07M'1SPIC+F$1LV63D@5CTB_0MB1NZ/]K4C=[]"ZD\]0SNCI_3H M:95>!-Y'.2&SZ5N2)NG\ F\VYCB+O-
F_<[R+.9+ORZWS%BOBQ[ET>]K\/"UT MR<(UO(2<8ALXI >@Q>M7TZODXP6O\]'K_!+]_[['9<0;,ESG[+"34E%@][$A M'"E-JWU?->/]V'/+OM1^A_<-
>_M7FA').Q0FDS>8\7:O@GZB3=-++RM\5C& M<5CC?P-L",#]G3'^. D'C'^BXA=02P,$% @ ,X%#6N"YOX_@ F@4 M !D !X;"]W;W)K&ULK51K;],P%/TKEID02*QY
MMHR11%I;$'P8JE8&G]WDMK&6V,%VFNW?XT<:NBFM$.)+ ,+KGW',BEVGFP$D,*"ZLH+?7_FU80R MG"5V;R6RA+>]H@Q6
LFVKHEXFD/%NQ0'^+!Q1W>E,AM>EC1D!VM0]\U*Z)4W ML!2T!B8I9TC -L4WP?4B-O$VX >%3A[-D7&RX?S!+ +X6*?:-(*@@5X:!Z&$/ M"Z@J0Z1E_.HY\9#2
(_G! ;/UKOVLB$2%KSZ20M5IO@*HP*VI*W4'>^^0.]G M:OAR7DG[19V+G4XQRENI>-V#M8*:,C>2Q_X>C@#!*4#8 *7@/@$(.H!D37J ME%E;2Z)(E@C>(6&B-
9N9V+NQ:.V&,O,T7UTKH4ZIQ*EN1)[27: 7"O@B6 UI2 MF5=\E805,O&4SFT8O+S/,W=YPA-Y(G3+F2HE M^L0**]C/:UY$!X>A,_#LX1+R"#L]:M@YG_]?R)XYCP?G\3GV[)MN-
=KF MZ)MPR)E%FGZRSRZC8/L!_Z_]L?R1L#CR_:LAS GSCIYY#6)GJU^BG+=,N8V&+;<*5+ MTTY+W3Q!F !]ON5<'18FP"=.L]]02P,$% @ ,X%#6BQU:+Y# @_B@8 M !D
!X;"]W;W)K&ULG95;,YLP%(#_BL6D/;7A MELN6 5+2;EH>.D5IMST[< "KQF:V">V_KVT(RZ:$2GD!VYSS^3M&'**6BV=9 M BCT4E$F8Z=4JEZZKDQ+]+"<\!]8?!)S46&EIZ)P92T
9S;IHF[@>7.WPH0Y M2637MB*)>*,H8; 52#95A<7K&BAO8\=WC@L[4I3*++A)5.,"D']K+=*S]R! MDI$*F"2<(0%Y[*S\Y7IAXFW +P*M/!DC4\F>\V"FGTEY1V\6&GQV4-
E+QJD_6!A5AW1V_].=PDJ YYQ."/B&PWMU&UO(>*YQ$ M@K=(F&A-,P-;LW6",L *MA,"L 'WL2D:N MTCN8.#?M:>N.%%ER@A>B!,U5*])5ED/V;[VJS02\XZJV#4>
]H!,4^CAfY%/_>D/U0@ M"ML%4IYPU37*H;5H=&NNOFR-[SKT@I8%(1)1"'7J=YDH5^GZ#I?-U&\MMUF MSY7N7798ZI\%"!.@G^>&PO=V]R:W-H965T M2%#+*O"#R=5%
(Y=T1^%C<^MP-^FEE*HFXY4UPM'BS*W]Q#?ORLO1E TB345@"1+_[ND-:6/V'*D-U.3H?B9(6LM7A@UW]G;(_)RROL-K'OV*5UIX.485#N M@L-;A7WAZBZ!
(>Q">+4T:J$*:0*"5=C6!&66HK%:%8]\>'&;KUY>3)4%S9]0Y],HWLJ#+$9+%[D!N MG=6//QR>3E_OL?:XM_9XG_2K&^F59\RB;!,D.WR7D=\M9LN\D]ZD[UR/WIB
MJ>2#0MZ0WV79]TC8,NJT-^ITK\A;ITRA&DW1XS?6>.!\@ [=EB04 MKE>5U1IYNC)8[=NY5Z62#C0=BVNML320*Y)6E"D-8;!-FK)+9=PS]05BDC4 MJ,S
M@]WA/CLS[&9WO#\@\EYT]KL$;]UE%+L"(@'E[]".BB#2W,<'1/]J5= MLY.6"!'YK'/-&U)B6]Q\ 8U54 M BDI:^N@'A:UGDL2FT2+|:<46EK"&'<(A]*F4-E2V'M*7G4Y@!"0]EX?BJ=
MDV89>37>B@I\MZC[?Y+?R*6'ABG*&QTA +N,8-T#B[DSP@B3W&^=@Z)-^GY] M"%MDA\M"4K &P036<\ F50[H]1)1<(QV$]'"X*L<;<5M)[XA]O@>/9 MUDTH>_N@5]5-
&P8HP.EH"C2M.4[W4K?4J=<=8;$\F4P/@6/#+NZ*SU#3$P\Y MA9>8O?! @,2()%LL#1?P>V7;+9%/Z,"IOXR=O@5HO2*@QPN,V;#N0M"^53K2F)6*--;\ASJUSDAPQ; :CE)QJ&/2Y
.'39V\@H:M@4AZNNHFPI.1B$ OGHRI1+ M,8Z#1;@:*^)X^U2_(H,3[5,BQ@V!]{C-G,,<$[(<"PRRX)GCO ;0'BG&P_6! M0"-#_@I/)-Y;0"%R(+ZUTFX@V--'SOL^!XC!VV6+MHB7R [?

POEY&X2Q0:QQ3MH0^)T1&$2IGB.>&$2/4Ff\>GUW MT^V|OON(D{{CVY^F/XO1.X,NC<8D'WBD_MTVJA!GQl.7HTQ=6%-VW1_2D)PL M(O,OL:MIYYA081+*,E< K%;!!U;.
((/Z9%G-$S![QXO!E1%I;QA>49Q*B5@5: M6IX>DI94SB/W,(0 RG1B0H%^,7O)D;I7&$-DB1$&+R2/&^D\R,LXZ_N=G)H8 M7W(>U'RLE.)S*]E$&6,6*I 3PTSYK,-MPS-1FE?
Z4*?;$CU+O$=EH;4R,:'E M@BMB#\7A23H7) T8]$PI73G8@^%CCL/[UFFPDYSG O_MR"T@'_%;DW1?Q@VA M8^K%,J;]'F[N U#T3:*,<_O 8N|RI8U=@476*@#+I ETY'J-
4BF;1JO8%,*F M$>GU_Y-(Q[N)Q&]^FB)4N=#<=1+BF6/V>L,I5NZHX@\IL63Q\KSHESSHO55> M+C%8+%-&OIPLOQ8B_IJM"@$'2€X! ,56Q/->IKCP!8@!H\ MNJ1\=
[TKB0H,6I*;YX^^P'6#=KGO!^']-.N=I^(\$)6AM=&]W# ;A3$2Y$FK M#3; $(SE/.;P!(5W;% O&N9R$WI4H@:6]D?!D@"[ZL: QX+&0W"9:-^11Z=_.M71Z=?2&/MD=KU1\!L)AX'I;]]
<,4D&2>HLTD03=O)*9$8'B07EWH@Q55@] M:^+9*4XX+O9\O>[2YOGFSV%B"=S$$D/Z.2\G,]!Z+*XK!]EV+GI/)X3H$3]^ MID#DP\C[P4;AQOK,UG8(=_]$$\+%J&7>
<)MN%=G2'9.7Y/!]T&&ULE55-;]LP#/TK@CL4 M+9#5CO/1-$T")&F'[5 @:+OM,.R@V'0L5)99-@5'6II5:$L#//5&A0SC M*.J'!1;K]#$TW-XB9;6?]FFUNUU
Y94%G7!&!.#0]CZSU^;/.P9#*((#.+&(/\'M:T>>Y0U'/AD9O6'&:1.;$WRHWIK(~>4NY0$-GOJRP\E#*?1E,9*R*E1*92+A" M2E*R*X5"K5BH4@$6';VR)
<2[/DH1'+LS,.D<3*KG<0?..FP.ZTPM^Q6I9#^ M;1\2X1WK>,MZ%A\%O('D@G7:+19'7A8[ZWR -WT+=[$-]]=T:=%0 MU?P^%'"-USV,YSH:$N>P#B@5K%@UA!,3D_:_>CZ"-
ONCFWW&/K^G>'@CC]YG 0CSFP3$OJ99-7'KXUF%N[TG87&\4:[S_$^9A#A;I5WA("LO#9)1/.V1G'DA7EES9 MD[M(,7'_XW?^>BVHMZ5EZY:[4[,#E5XN#>A"C
K/X==AJCKZF&UV]V- ^FD]x=[4 MZW?BCIN54)9)R,@TNKCL!H"[HO%MJI.GIX9%W"BBZI*DZOX2N-Q,O.C;*3ZS M56&L(IB.*[J"&9@OU8W"5=*B+%@)0C,IB(+EQ+N(1I>9W>\Y
&6PT7LRL9', MI;RSBY\7$R^TA(!#;BP"Q<<:KH!S"X0TOFTOO?9(Z[@O[]#?N]@QECG5<"7Y M+VQABHDW\,@"EK3FYK/<_3;>!S!7'+M?LFFV9OV/)+7VLARZXP,2B::)_V^
MS<.>PR \XA!O'6+'NSG(L;RFADI'2FZ(LKL1S0HN5.>-Y)BP+V5F%%H9^IGI M%=4%H6)!G/#N6\W6E(,PFKR^I7,.^LTX,'B.W1WD6\S+!C,^@IF0CU*80I-W
M8@&+O_X\!FM)QCN2E_%)P&O(NR2)?!*<7H"+VF#3AQ>\I>#_O5BKHW"4OGM M4-@-:GH8U5Z?M9T4A,/[X<&KM09O^NI%U O?GN"7"96Q-@CB 9,$YYC
M"F+0G.]2Z01X2*7OM$RL09O2Y9;JAGP.Y1Q4^SY'Y#43B"5KC1[Z#;DH$9W] M#H@IM2$?E-2:U (_.=QI5_BIT4_5'->8C/>4*8(<:FC>[DL2#_PDZZ/PZL4@
MCN*WCZ2M\>H']]1#2BG@'I^:NL-/X[)&:.B0:)GZ8]EKWW7.GOY6&\N,ILTAB?[3#/Y84YBS?NS'P^%3UM:09#'Y)XIX!7795G'X
M;U5QST^SP;"':8S/K>*A\#=3ZNXT3^GBGM^$O6.5G%C_3M5/.REMB"BX2/D M+/3#0?*,,C[I_E^MX[X_"+,#M*UEB/?O1!/)VB:2/;>)'.V!AWK'2=1S[SCW MCG/O./>.<^_X?
_6.8&]]+$&MW&RLD6DM3#-_MMIV_+YHILZ'[;A9&5FT'GTN!$Z\0"Z *4W8#V191FM['M']*3/\ 4$L# M!!0 (.#.!0UHU;]8;?@0 "84 9 >0PEO=V]R:W-H965T[^%SQWNQ.%@+^56E
)I\SS.NADZ]]?*R MW59)"CE5%VO'"5S(7.]\54NVFHI@, MPYTDJLAS*C=7D(GUT/&=[<0]6Z3:3+1'@R5=P 3TY^6=Q+=VC3)C.7#%!"<2 MYD-
G[%]>=DNCN#O>HG^TMJ,M4ZK@6F2_LYE.AT[/(3.8TR+3]V+1"U3VQ 8O$9FR MOV1=K?4YD65Y0S4=#:18$VE6(YH9 M6%.M-
I)CW!S*1$%4W

M^XP5PW{C]&&I"/ G_$A:U)B@:TR")1ZD3R *=?:EXB7! M94?9<&N.!ISK)G MK0^QD3O"0KP5,<)4PA3\XP)W 2"V -8"G?8*[P%;GP>P[6YDEB&AEDO7!{
MWG[BOR!]/>),^]HL.QC\IW+#;6I@V2)-#\1FL7CB"ML4 M&ULM5A=C^(V%/TK5CJJ=J4I MB9,08 I(,]"/D;K;T=!M'U9],,D%K$WBK&U@^?>UDY 0"%9991YFB)U[CN^]
M/K&O/=XS_D5L "3ZEL2IF%@;*,,'VQ;A!A(B>BR#5+U9,9X0J9I\;8N, XER M4!+;KN,$=D)H:DW'>=\+GX[95L8TA1>,Q#9)"#\\09*4+)\S GDDS'G.T1U!.*33_DR4H63TU?80;H%]!-
Z.] 7SJ)M*-&[.4A"8_%>=?]:S-&[N_?H M#M$4_;5A6T'22(QMJ0;7%'98#C0K!G*0#.2A#RR5&X%^22.(FGA;.5UY[AX]
MG[E&PCF$/>3A>^0ZKM_BS_S_PSV#.UZ52"_G\ZIP+6"M(@>)7B%C7-)TC9[3 MXK/4\Of\AS)'SQ(2\6l;[@INOYU;?_L/(B,A3"SU<0O@.[*F/_Z ^?GML [
M(FNDP;_2X)O8CWIJ<>O)#/R,6Q-3@((PW70X'& U8;O3B"^M!M@?#2NK M1BC]*I2^T:/%0>D5) W1&E)HE;R1X-9IZXBL$6M0Q1]\H7]#+M/0$5DC#8,J M#8/O5.^L
/9/).8&_K!_)L1+*SP:N$&[$(>55T.C5W_&=,U0QM12W^:9$7QK M]CLB:\0YJN(*JSOC/PS&;98^7@X:I"D("S],[%RK^W6N"XBL+F* M^/C; LEKN[49>_,,=,36C+0N3/#P+
<<78:>7Q5L%77M@HTU@5&,HXOCB3\, M?/=RH]W'7O(^KL]9\R_5'&/N_?H M##M$4_;5A6T'22(QMJ0;7%'98#C0K!G*0#.2A#RR5&X%^22.(FGA;.5UY[AX]
MG[E&PCF$/>3A>^0ZKM_BS_S_PSV#.UZ52"_G\ZIP+6"M(@>)7B%C7-)TC9[3 MXK/4\Of\AS)'SQ(2\6l;[@INOYU;?_L/(B,A3"SU<0O@.[*F/_Z ^?GML [
M(FNDP;_2X)O8CWIJ<>O)#/R,6Q-3@((PW70X'& U8;O3B"^M!M@?#2NK M1BC]*I2^T:/%0>D5) W1&E)HE;R1X-9IZXBL$6M0Q1]\H7]#+M/0$5DC#8,J M#8/O5.^L
/9/).8&_K!_)L1+*SP:N$&[$(>55T.C5W_&=,U0QM12W^:9$7QK M]CLB:\0YJN(*JSOC/PS&;98^7@X:I"D("S];

M;Z*D+!G[KFX^!1/#4BN"&'RI*"A^;&$&<:R8!2S ML)F+/XK"F0X,88&"6!%-[%\9KO?H1#44WP^BX7^3W;%7,L@_D9(EA1@7$$2 MI?DG_5$840'8[@6 4P"<4T#O L M .XIP+L \ J]U9 KP!HZ6:N71LWIY). MQYSM"%>SD4U=:/2TU10O86"_$(^ MS$'2*!8?\)?KKRYQ\N/M([DB4DB\AVPB:!F)L2ER$HC+]{N L#^A<".B2SRR5 MH2"+-("@CC=Q\;4"YZ!@YK02SL'O$M?N$,=ROG;US-\.=QO@BW,X"V0(MY]B MU]2XY7ZXFL]!93^>]'Y\,>X'^?8'3B6?)"3B[R;,[T>4*6#.M7YK6;S7M MP??9)I4"#?(AVM)E#!V2@FQRIG\FQAVY=N\D45KC7?N>]<^RSO5&UC$W:YH'MI>;!VS1G=*\$-VD=G&D=]*S3=Z(US+52SR/:?==]5CHLE0Y?*165TMLDLQ5^ M;;+?DFQO((*:;;/2MM'_](TUNJ6?MR1;W(BLY]=M'8]DUCN_LV8%LIKXGG5: M(^?%K&HE<,XK:?LJWJNR!"S7SU0S3<\2M=$AH!_'(D>2L JA4@ M>]*'9 D\7^CA1-\AV&?HPWE' V*K'=.UST,=! O,M!]:[SOJ6X66FS$N!KW=*HG]\?YC629;@"73&([J2]#H %P-0&?KQB3AQL5H/R58OHO4$L#!!0 (M #2!0UKW,52#3P( )D% 9 >&PO=V]R:W-H965T)K&\CDHC7BA(&&X%D7998_%H"Y4WL3)V3 MXX[L"V4<;A)5>]:4 _51FC+[5DR4@*3A#,D((^=Q72^"DV\#?A*H)&#,S)* M=IP_&N,FBQW/% 044F48L/X<8 64&B)=QL^.T<2^E3&N#P?&+ _;+5K+3LL8<7[M-Y*[(G;>.RB#'-=4W?'F"W1ZWAF^E%-I?U'3QH8Z.*VEXF4'UA64A+5??.SZ M;.9HGG& WP\YX#P!4#0 0(KM*W,REICA9-(\ 8)$ZW9S,'VQJ*U&L+,OJA5 M0M\2C5/)#4MY"4CA(TATN0:%"957Z"UZV*[1Y<45ND"$H?N"UQ*S3$:NTDD- MU$V!],LV@?]"@@#=%<7VU?LGRI>^F<)UY!.4#!]@WS/#'T?J M6?T[/#A33M W,+!\P?D&WN,C6A.94BYK >C[8B>5T&_TQUC'6L9PG-',[5Q6 M.(78T8,I01S 25Z_FLZ\CV-R_Q/9$_%A+SX\QSYX/6@'#'*BQN2V'#/+8;;* M(?EP';F'H8B_0Z;^U\>TM;F#5UZ"V-OAERCE-5/M\^F]_7Y9V+%ZYE_JO=.N MB3\T[=*ZQ6)/F$04C+ML="[$X0)T/UTB&G@4O-+CMH#2FOB1$YR4*JL]EC97=64HEJ+%3M2*Z5D@+#Q*<1&$X(H*R*LA2OS9362H; MPUF%,P6Z$8*JIPERN1D'@^!YX8ZM2N,62);6=(5S--_JF;(STK,43&"EF:Q MX7(<7 TNIXF+]P'?&6[TUAB2--E)T8*M L*I]T\>N#EN .#P B#I] H0)0< <0>(O=%6F;=U30W- M4B4WH%RT97,#7QN/MFY8Y4YQ;I3=919GLJD4PE;3YLGOX>0:#65 L$=$D5ZCWZIL?IYEA;NK'C.\2THS3N2QA[ZQ@]M17+4Q=&+*Q0N?1?EGY1;46[E7UR6\9D6@KJ4=S_NNYD*U++5"M?*_3D,NF M,NW\E?[=GKENPAY"6G[\2U5*U9IX+BTT/#\P@I5;7]K)T;6OD4LI+$-QP]+ M^TM Y0+L_E+:FG03EZ#_R61_%!+ P04 " T@4-.?SO6ZUT# !J#@ M&0 'AL+W=O;N\=WCQ^9N MN*?LD8<CTE,>$C(Q0BO39-[H>08'Y%4R#RS9JR! LY9!N3IPQPH)V2V'0L MJV^CG%FP\%L11P06#/%MDF#V/(68[D>&;1PF]J--*-2$.1ZF>_-+ M$__I@LF16;$40*$1Y0@!NN1,;&O9[:K'+3%CPCVO/2,5"HK2A_5X#88&9:* M"&+PA8+ \F\';XACA23C^).#&L6:RK\'?$# MI.7R:PPAQF-?T:!"$?&P$! MK/$V%O=T_Q7RA+H*SZBY"!QZAV<MW,$Y=>B\XN#F#HY,XM,IS7' H^'C.X14|8233UH;K2WS"8B:AN7@LFWD?03 MXZ6@_N.E(B) /DVD.CC6_%ZBFRV;^[NPWAN 6MKL9S7Z,UQ QR6F=E6B>,8;(!>1$6CVCLMT"_M/^OIR1ZS /WZ)B'1K8"$_Z[C-UN_4[^^.OS7/.4^C QYNCFP'1CCCQ_LGO6Y MCIR6P"I4=0JJ.DWHF0)1C0(ATU]=\AEB3R.JBVHWMFW/LX?FKIQ5G97E6(55M)=QN$6ZW,=P9Y0+1M;S"=D"V4*O]1H2W[DU+8)5D>T6RO7>6<:]-JEH"JU#5 M+ZC]MR[C#+%;%JAC]4Y4_-+(4S=U878R/26S>H);!*TEZ1M/?.6O;.I*HELI5MG6L"JS6U9Q#EI7J]%WO1,YU M5@-W4"]HNU!&V.T!RT(P(IL+M $"#,=:VCB0%/$!<.J5JR-N1'UK7O6%EJ5 M_^?(@?/,"L\#:(NNEM"J=!U+-+NQK/D_C;LO:HJ!U3F]LFNL^D[W5.-FJ6I/ M@&UT,\-E*%LBLL*WF"T:IHEN$T[FIZJ1TMW $2;KPNXPVT2$HQC6$M*ZZLMC MQ[+&)AL(FNK>8$6%[#3T8RB;06#*0+Y?4RH.[5 T5Z,_P)02P,$% @-M-(%#6N"LG7-$! +1, !D !X,"]W;W)K&UL MM9A=;]LV%(,_"]$-0PLLDDC9LIS9!N*FW7+1P4C6]]J1CFTADNB2E)T"^_$C M)5FT8RKG>7&^C!Y^/"0YWT%3G:,/XDU@$3/>5:(j;.62)>0TZ%RS90 MJ"<6C.=4JD>^U4+5"M?*_3D,NF M,NW\E?[=GKENPAY"6G[\2U5*U9IX+BTT/#\P@I5;7]K)T;6OD4LI+$-QP]+ M^TM Y0+L_E+:FG03EZ#_R61_%!+ P04 " T@4-.?SO6ZUT# !J#@ M&0 'AL+W=O;N\=WCQ^9N MN*?LD8<CTE,>$C(Q0BO39-[H>08'Y%4R#RS9JR! LY9!N3IPQPH)V2V'0L MJV^CG%FP\%L11P06#/%MDF#V/(68[D>&;1PF]J--*-2$.1ZF>_-+ M$__I@LF16;$40*$1Y0@!NN1,;&O9[:K'+3%CPCVO/2,5"HK2A_5X#88&9:* M"&+PA8+ \F\';XACA23C^).#&L6:RK\'?$# MI.7R:PPAQF-?T:!"$?&P$! MK/$V%O=T_Q7RA+H*SZBY"!QZAV<MW,$Y=>B\XN#F#HY,XM,IS7' H^'C.X14|8233UH;K2WS"8B:AN7@LFWD?03 MXZ6@_N.E(B) /DVD.CC6_%ZBFRV;^[NPWAN 6MKL9S7Z,UQ QR6F=E6B>,8;(!>1$6CVCLMT"_M/^OIR1ZS /WZ)B'1K8"$_Z[C-UN_4[^^.OS7/.4^C QYNCFP'1CCCQ_LGO6Y MCIR6P"I4=0JJ.DWHF0)1C0(ATU]=\AEB3R.JBVHWMFW/LX?FKIQ5G97E6(55M)=QN$6ZW,=P9Y0+1M;S"=D"V4*O]1H2W[DU+8)5D>T6RO7>6<:]-JEH"JU#5 M+ZC]MR[C#+%;%JAC]4Y4_-+(4S=U878R/26S>H);!*TEZ1M/?.6O;.I*HELI5MG6L"JS6U9Q#EI7J]%WO1,YU M5@-W4"]HNU!&V.T!RT(P(IL+M $"#,=:VCB0%/$!<.J5JR-N1'UK7O6%EJ5 M_^?(@?/,"L\#:(NNEM"J=!U+-+NQK/D_C;LO:HJ!U3F]LFNL^D[W5.-FJ6I/ M@&UT,\-E*%LBLL*WF"T:IHEN$T[FIZJ1TMW $2;KPNXPVT2$HQC6$M*ZZLMC MQ[+&)AL(FNK>8$6%[#3T8RB;06#*0+Y?4RH.[5 T5Z,_P)02P,$% @-M-(%#6N"LG7-$! +1, !D !X,"]W;W)K&UL MM9A=;]LV%(,_"]$-0PLLDDC9LIS9!N*FW7+1P4C6]]J1CFTADNB2E)T"^_$C M)5FT8RKG>7&^C!Y^/"0YWT%3G:,/XDU@$3/>5:(j;.62)>0TZ%RS90 MJ"<6C.=4JD>^U4+5"M?*_3D,NF M,NW\E?[=GKENPAY"6G[\2U5*U9IX+BTT/#\P@I5;7]K)T;6OD4LI+$-QP]+ M^TM Y0+L_E+:FG03EZ#_R61_%!+ P04 " T@4-.?SO6ZUT# !J#@ M&0 'AL+W=O;N\=WCQ^9N MN*?LD8<CTE,>$C(Q0BO39-[H>08'Y%4R#RS9JR! LY9!N3IPQPH)V2V'0L MJV^CG%FP\%L11P06#/%MDF#V/(68[D>&;1PF]J--*-2$.1ZF>_-+ M$__I@LF16;$40*$1Y0@!NN1,;&O9[:K'+3%CPCVO/2,5"HK2A_5X#88&9:* M"&+PA8+ \F\';XACA23C^).#&L6:RK\'?$# MI.7R:PPAQF-?T:!"$?&P$! MK/$V%O=T_Q7RA+H*SZBY"!QZAV<MW,$Y=>B\XN#F#HY,XM,IS7' H^'C.X14|8233UH;K2WS"8B:AN7@LFWD?03 MXZ6@_N.E(B) /DVD.CC6_%ZBFRV;^[NPWAN 6MKL9S7Z,UQ QR6F=E6B>,8;(!>1$6CVCLMT"_M/^OIR1ZS /WZ)B'1K8"$_Z[C-UN_4[^^.OS7/.4^C QYNCFP'1CCCQ_LGO6Y MCIR6P"I4=0JJ.DWHF0)1C0(ATU]=\AEB3R.JBVHWMFW/LX?FKIQ5G97E6(55M)=QN$6ZW,=P9Y0+1M;S"=D"V4*O]1H2W[DU+8)5D>T6RO7>6<:]-JEH"JU#5 M+ZC]MR[C#+%;%JAC]4Y4_-+(4S=U878R/26S>H);!*TEZ1M/?.6O;.I*HELI5MG6L"JS6U9Q#EI7J]%WO1,YU M5@-W4"]HNU!&V.T!RT(P(IL+M $"#,=:VCB0%/$!<.J5JR-N1'UK7O6%EJ5 M_^?(@?/,"L\#:(NNEM"J=!U+-+NQK/D_C;LO:HJ!U3F]LFNL^D[W5.-FJ6I/ M@&UT,\-E*%LBLL*WF"T:IHEN$T[FIZJ1TMW $2;KPNXPVT2$HQC6$M*ZZLMC MQ[+&)AL(FNK>8$6%[#3T8RB;06#*0+Y?4RH.[5 T5Z,_P)02P,$% @-M-(%#6N"LG7-$! +1, !D !X,"]W;W)K&UL MM9A=;]LV%(;_"]$-0PLLDDC9LIS9!N*FW7+1P4C6]]J1CFTADNB2E)T"^_$C M)5FT8RKG>7&^C!Y^/"0YWT%31@Q[(O\0\42TD6Z"CGG7?(,WX!NV?$-K$N>P M2HLB+5;]WM2^B@&&]4QNI7]/W2- _.U;JIZ[C#*]]6H^T,C\/!Q-MVT(0M36BE M^9/30]_GSS*$IPP^#KL91BW#R,KP56TK2+P[($]&0C:DDB*XF2 MPB6DY^0C.]7 >FF&+<48RN%$H1+ML?X!(6$?0G!OE%0WUI.WRKE5QFA6^#* MR=!*[QB44EH25..MC0K 6U4R55HG4+HOT&]X0,3P!=47"D20ZTS:Q2S@/BXJ GO\3 D9\NP'.1ZL@8'S -1F[0M^9&YK%=Y^N"O @I,$4*QJI?MER8CZMBJR2\}\]URJ00<5=]<.>.L5&RK%=RSLJ]5RTX>FV&KF#OB4TLH[MNKX M7GW4:BR[5]L#75J<1OOQZ-5VC:W^<2FB,05L=X7+'1N?V@/&X:AG<8T_8+M!MG&O:^-0:,!E'W1C$6 .QZO:%OMT$/;+, />4(C$B3^PB?IYU-P&/0,9^#X?1 M 5[AW$_FE>T?#'B8C_<0N_9>[=Q/X&&G@=1N,>)"/RQ/Z%_RKW;F(? M41'?C?J*P^@ZL>OZZ]V[&>"%>X&PO M=V]R:W-H965TYBV 4CT;96271)VHZ'/OQ(21&E6*9CE8)SD4BR^/.-?Q8)2"1[C*|"7G864RZMN5_@+&A-QQI8T49_,&(^)5*=\WA5+3DF0-HJCM+NKU^MV8A$EG-$RO3?AHR%8R"A,ZX4"LXICP[2V-V.:Z SM%/%SZ\X74%[JC MX9+,Z93*^^6$]I-NH1*$,4U$R!+ Z>RZZ661I6G=$DM&0LPW@^FZEI@]2;!+6M*ILPT5_C5'+U::C:R=%4,O_K6VU$ 'P6]]$A2.KO6_ GX9QDH\&K.RI)&(G7 MZNK]]Z\^OQUL"M5[UJCZ^<]W68]H3T]8?"1)7(AP+LDH$&U?5=%782.GD*_ M15;!.^]? 0S?-1#7DT\XYOMD0'H"_/RA)\%[26/O3YV_6OU??OZ[W*I$D/KWN](6E*I M9_3+3]#?^[7.'$=B%:N\PBK/ICZZ3SCUV3P)_WL^ZGPFY!O EOI$U'F0"?=3M83U%K4>PIW^&W74Y.VO_#;,[+[([MV:7EA2H*2GZ{(I75J9XGDY+3@8P-W$ MSG?SASU4<: 2=+\(NF\-^C,5DH>^5#%G\=\GH:R+U"ISI"!T)%;)^*+(^.+$MJ7KATBI'8A6K+@NK+G^H7D4Z8BQ5>[DS:@^PHJYNK7$TS')09#DX4)YCFE6 M8),2@$J8K"E71 .6E(8|.,2FP#K1E-*$|-_'I M@5G-+G1LK;I2JZ:-3-KHQ#-;'H KNQRI5>TRW:MK//CLUNN7ZZ'?M^KK8U7;+JH_]DS=ICTXP.J$$[MJ=5/:N [^:@F8;R*:Y-S2FVNU*H&&&Z#IP8WZ)3<7*E5[3+L!NWPIL:+KU+7 M]]NFR1DB1%:$LM0%>=RW9M@EC_YVVV\9!@/G?KA"+Z M=,Z56M4N XK(SG/.UHR\G\J: <^\9ZN&/9JFV1I&1'9&/%0=!U8-N_K1WWP; M=(D,7:+^J0O%*8NZ4JO:95@46>'M):N&70![ME6C#7)$AAR1G1P_I?_RUB;EM"!/R--N 1F2@$0U:/>2=I;+L.5V/Z8L/E#A /"@IP2 +S<^X34+M$T M=P.)^:-@'BI_V/Q:R:QW]OJX-@L2&(/&IGREB![SI2]UJ5+E=L/V9X@\4B5T8 MOZ1(VH!";. 1M_9V%[_P|:X]@J89&F#$OP)C/@UH4GRD_BK=-2%I-@M]R@4@ M20"F- D9!Q_HFD8%3=9[X!0G7:E5G3(XB4^-D](@I3KI2J]HE0$7=14_O%K?>MRQ?V%&A=Z)E%37_XVYGNZZ0>\FTXFM;XXY5-7:E7[M#)_B4_,I=L]GKM2]6XL,GWIVC&RR_<;;?:-]7KNMJ W\] Q^>G;\;*F0%$KL M*R1[0,>.#%=J5?L,PWJG9EC/*<.Z4JO:91C6LZ-FHT+:?16^4T-.Z;1;VOH: M4SY/=P0+%>\]D=E6TN]JL>OX)MUK^^SZ+;P:9WN'C4RVE?DCX?-0U5A$9T]R M=W:AEEN>[0[.3B1;IAML'YB4+$X/%Y0$E.L;U.Z@V*,]^A]02P,$M% @ -(%#6IWW[8<&!@ 8B0 !D !X>"]W;W)K&ULO5IM[P8P='^P==XO9'Y V\QWY(UO:/RV_;6]SNOTA+%*IB= D_7.-9+J]'?(_IHZA=@QS*/6,_\YM/T<5HDEM$$[J4N0JB_CW0:YHD MN29EQ[^ETE$U9RY8O]YK_U.#5V#NB:#7+/D11W)S,9J-0$179)?(K^SQ+UH" M"G)]2Y8(_1<\EF,G([#<="^1'@*^;/7CR]SML7P&9S=4DC@1;]6(;W$!L"*<"Q!GXEL52O*L]^&?#=H)DD7KXIG$_]Z2"DAOD+4NSKPJST0MF8_"9 M97(CP,%C"$ MYW/OH8[(.6=/1$&%*!B4HEI16.I7L4#2((.DO>HA<,Y4T\<884C=.+X^$3Y M,A;'<81='#!L\0Y5T\DTPK)U(TDBXY88-/N O/]:0N.95!]%3;,G%5FSIQF M_KU+[RD'; 683M.]PY8Q(/?)0;-G-K.#EME. WI&X;R"=^Y,9C_T9JR6$WF@ M7)$+M3D5"PQL>:S"LE78-3X;NO,A\]U RAI>@!.S5T]Z9+R=B(P'K $NUT?6$A PL=D0PCEB2$ MBT/04!<:G(H]3L2<4_>%9C@&=.[OMNSXBK#A+C84C'$'&SZP:)M&&]8 W;3A M.Q4ZE631/HU4.?(5QOM=HX)QAT2X3>@;%T,C8'!=D M$(C(LXU>7[]2$2X4"3"U:&I"-%P%NLE*C[W>(+5+^XIC_"+4U'?\!N"!&?.M5^)RO>9T320%GY0GXDS$2_"=}LJZ(<3HG%-0)&NX$G:2DACRND#_DR-\! M9MX)<-_F%E;'%%.%M?2'P^GYK)W^3D&3D*%)R$V3JAW7!J&4K;-=?S9K;SIN M&?HB,%0(N:G0*V-&&_NO%2WLH,5X!I,V7'@&KDTL?,VH-QZSHVP0REK8G<$"KD]VPUH8%H4 GS M%*0*&5*%W,V9H]M-J-NE05/<7K6G8$7(L"}TH%~S5\'#=?!U%D3N04U##;=!M;J+O:QT.U&VZ(+]C^"D8"C(,!;D9RB\U.="@C&4H;4U/&,;"W(RE;YNC5%LO MSH+S\;P3YU.P$VS8"3[3OH4S:7.1M%LPX:[G9[FL*;1AI!@-R'YI:*YU%TW M*L1CW-[W2;TC8OA*AE]R#XY!:G!M8|(;EPU>ESH&@^(IVVBD-HJW5+ MG*_3Y.^K9C0X5#9CPU^PNR%TBK+YP)3!WC.P A2^]M3\!YL>]V-Y.,JISQ MH"VCH:0UD1MRA-WD:,C*N9RJ7L3 B=_^:.&PO=V]R:W-H965T*"ST)2F/JRS#460D5U>>R!H$G:ZDJ:G"KBE#7"FCN@BH>)E$T#"O* M1)".G6VNTK%L#&<"YHKHIJJH>IH!E]M)$<[PX(5I;&&,!W7M(EF"_U7.$N M[%!R5H'03 JB8#T)IO'E;&3]G<-7!EN]MR:VDI64#W9SET^"R\("#IFQ"!1? M&[@"SBT0TOC98@9=2ANXOJZA?W2U8RTKJN%^\F\L-^4DNA(#FO:-+.0VUMH MZQE8X@$QR[9FUY_I& #^OYYP^-?T2U5^2CXU1AM4B8F"2%|(MS]VP]NC'(=D\G?YA.O93O=0US6 2X+?H^A2D;]_$P^C#D6+[7;']8^CI# HFMA.6YHMQW';OLM3PY1-;/##1R<'0.;=!C'XW!S@,,@XS XRF&:Y\P*3/GNHM< ME%*Q7ZCL*W0&S^@D_?>'Z0P[.L.C=);M9<6Y;X1P%E'?!\+;79;6R" M[A^5_@902P,$% @ -(%#6J2=IU,= P.*@H !D !X,"]W;W)K&ULM59-3^,P$/TK5D ()"ITO2+MA)M=[5[8(5@6\V3&,UP+^:02 $V>LY2KD9-HG0[< M5T4)9%1=BAPX/ED(F5&-6[ET52Z!QA:4I:[O>1TWHXP[XZ&UWN- MK^>0J%!.9!LP,L@8+__I\^8<:@",TPSP-P#_-:"]!Q:!L ($56C*SLF94T_%0 MBC61QANCF84[&XM&-8R;+-YKB4\9XO3X%WXHJ5"*Y("Y3:@$TY MG\Y4Y:J,I0_W,_(Z?$9.29NZ:L(C^2!,ZW..X;?B2@4Y3$:CW7V0ULYJ!&TPCXF9U6GW^#6#CRO5[GM M$ LK8N'\Y\!%UA5>S.0?F8&/BG8CM:.)2IS, ./MH!3.@*/[@E:,NU4&C#M&HULR3.^)/Q-1S@WC9)%Y!3]2MA9TUF5!,)-AL)^]^._RF.#5[?=[S:GL5NI-MZWZANIBEA0&_HZ_[(7T-7OOU?1HO0_53ZU+4ZTEFV.7GJ= M# 2,VS7>&%$M3XE(8Y#JY*CGM_RKE^05*GZ)T*BQI-&K5YEW&0:O-#9Z=<-FC?U*8_\+-.YF M[WV!_0\);/1Z(]"M7;O8QI=V&E'(LN"ZO)$J:S7P7-M[_I5]@H-0.;>\A"FG M]!LJEXPKDL("0QH.#'E9%)NM,CMY3X7&D-<%NTQPF -I'/#Y0@B]W9@75./A ^"#0]02P,$% @ -(%#6DF&KZ2= P V@\ !D !X,"]W;W)K&ULS5=M;]LV$/XKA H,#=!&;WY+9AM(G!0-T Y!O6X?AGU@ MI+/%12)5DK+3?[\C)/P*(DJLHS*G[>0BNW,\9W=P#>V3K09<.?3G*YA"?I[_BBQY]8H,R3Q1!0N1_LEBG/E/WVIA#AP0)QVAZ!R"(X=[)\XA)6#5B,;QLTV+K7$689^>OX;GI14*$5RP,U-] 3RD=QP MS3[&+"V,Q.3]'6C*4G6!,]9"[?X8)[\GHE"4QVKJ:@S'@+!1M?1MN73PRM(A M^2JX3A2YYS'$37\7:=1<@AV7VZ3\ ZB2Q+Z'TC@!8.6>]; W3WL"">LI0TM M7O@*GE&Q%G$)42&99JC.;4N4%LB8K*3(R$)D>:&I/=-B1>ZIY(RO%7G$_5C: M_?CK"P*3!PV9^KM+92*07L4YAJX5CF-8.9@GBN0&W#FO[SS1]ZO;1+U!-80 M;% +-NA";PJF]H)!0["H*1CL!-L?8)}@FOR'H]G>5 OVF0K8QG:6,QEMYF/ M!F,\-IM#.5], L^OC1HTAS7-82?-995#Q=,_>)<1+8C(#1ME(C9,D8YA8^]H M'I\%N^L*8YH6,$KRVC P9*H 71/3<1J\SAK>>BI] &G*:.KE&9Y%&HSX%ZPFL M(=BX%FQ\1FDT/LD0?^Q?':71J5$0#,/V-)K4-">=-+_S#2B-=#R+5EDFC8; M2,&95@0_2HTL.IAKX]&YV%NWOR>PABY7M2Y79Y$O5WT*UA-80S#?V[^!O#/* MF"J8PVP8C":CHY1IL0HGP:]9_R#YY[_QH\/9'DJ?LCN0>H/3)Y2WAI^YP)O MW?B^7)IR!'LY@K-(EBJ,OD3K":TIVOY=ZW>^ O_O= E/WV"3XV0YM?\/+W-9B3T)C96>;"1;?((T!$J^+T+N.6: NY^?_ E!+ P04 M" T@4-.PV8\\40" "/! &0 'AL+W=OF(>UW2F-K M9&_;9>0:2UAT2;6*DCB^C&J46F1IYYO:+#4M*ZEI:L&U=8UVB6U(] 'D:?P=,L2L9$O?76_3[3KO7LD!'MT;] MD@57$_%)0$$EMHIG9OV%!CT7 2\WRG5?6^QL8"\=6S](=DSJ*7N__@\G,-> M0I*\DI ,"4G'NR_4L;Q#QBRU9@TV1'NTL.BD=MF>G-2A*7.V?E?Z/,Z^25Q(M)7D#,U+(5 ;X(I@CHM,4KD3. *I MX4$JY<_:I1%[;J%"E\\;GH>R2L\?N1\!LGH%)Q(.8?'^1T<'YV\A(F%V^ M9*NP9PFH@FU[I$]OI=Z#+^_(;\4[>^"WT MO?;9E^USOGU!3]EWS]**=$N'7D8R+<9+KL"X0JOLM%%&JWV245\Q6NZ@/:I=0.M%)4^*3[[>"']N/?&VR:;N06AOT =\O*OQAD0X#?+XWAK1&F>/<&9?\!4$L# M!!0 (#2!0UJ*;9MP.0, / 3 - >&PO+MS\6RMR^"=S][-W96>?I%G8W?E$!ER3TBEX?('K5@0N5=C"6M(#XLP3YU3/KF(.D]RIAP?UNX\7%N15I3YQ@Y\9#73$<+ZQT?#3(EUQL?$1>P MNC1GP3,50S*F@D\T!U9&V4XUN J^@(*Z_;@JK,.9]JMN M[YJL"=7-)IDHG3+=INF2)CO0.">:\U_.9EO8RV]BQ#NR?:)O64-UT.JX#^]M3GM3-GJ5;E#P9V4^+>QT M9-6'^F3WFF5\6?766L4_BZK0HQ.]CX#.9,S?Y@Q..!K3A!7.E^2^;,#4IE M:@-,D^"9:<.GFY&?FA:/;&F:"7K^N^L\8Y)I*C9-V]H_YE5^M>/H MYE]9KGZK![KV>]Q?O\=N\OH43,:G8/(D:K]__":CY/@]UH>VHS,9UH>,C9/.MUCFFC09P7AR2;W#N%.NDP63!A>&R[LUYFC+YXCACY0V=V#]GMO3M^)1E="', M8PL.R;K]E:5\)D2?MJ'M8B'K4NOT%IM>-V\.]S<5ERI8L'===/9M4S< V;-;Z M L(NSEGVF21%$<8RLZ'GL=C+%UBV/X\:MAWH'!Y8%,?[;6^&[C%,*_#K]MW5PVH\,CQ04WY.%,&N8MZP)QA' MD@1#H!;]-1K'R.K$\/'O#_:41%&2^!'_ZB"$/@:<01S %XP)HJMZ#.^^C ML'E/A>O,\8U^ U!+ P04 "T@4-:EXJ', 3 @ "P %]R96QS M+RYR96QSG9*Y;L,P#$[.Q=">, ?0+B@8S9?$6!/D!5J(/V!(%BD6=OZ_:I7&0M"QEY/3P2W!YI0.TXI+:+]1C|$%)I6M6X 4BV)8!SI%"KM0L'C6'TD!$VV-# ML%HL/D N&6:WO606IW.D5XA-/E_G;@2=&A(E@6FD7)TZ(=I7\=Q_;0T^FO8R*T>EOH^7%H M5J.W&,EC'%BM/XU@LD/I'X 4$L#!!0 (#2!0UKL(A4F>P4 /@L / M >&PO=V]R:V)O;VLN>&ULQ9I-;]LX$$#_"N%3]Y"UK:^V01R@39JL@30Q MXJ#7!2W1-A&)5$G*B?/K=RC%#97:@IU,?;)$R=+34.0;DCI[TN9QH?4C>ZY* M92>#M7/UZT+!D:4V%?>P:U9#6QO!"L6PE7E,]J-LF'%I1]< MG^VN-3/#<$<[D3NI%13Z@A]2/-FWXWZ7;;25"UE*MYT.VNU2#%@EE:SDBR@F M@\&_V;5^^D<;^:*5X^4\-[HL)X-Q=^"',$[FOQ7//>0#7]BVQ/"%/0>0R2 ;MP067TEC7GM%>GP/C1L#)W5[C|)4LG3"7W(EKHYM:]I6_##S%,'B,-@Z[WRZ(MI^;_A%$OES(7ESIO*]%<%T50AE1<%@R^I2%L!1L*^\Y"H7+(",$,CHB)#_1@%D MC$##&1X&<>QSX:P"9(0#)$2%[D4P1R/28D'$ F2&0V3$ADP#R(P+YD1;RSJRX MDB_M <95P0IA-ISW">NT1\=O'[;MT';CV\&;G@>)?[$A(*H58]J<<6D8M,#6"58+;QO@^C7(5TF$_&Q$+9Z:V[0ZZK6JOWT<-4,B9VR;76Q9,LR[:*):1(M:N4)&+=6]"DQEXR)97(#%2MZ-)@TQN36[*KI_$FV#5L.J25D>4+EL@^)26-,_M;(U[7PB;]+EQ6^8,5Y:WZ72/$#/&F%@94P7-04!Z_=R/&B:(,;$A?-6"L*S3 M^6/(A/E@3"R$N83=Z)#M6H/3S*T%FX/";&_(@8XYB!TQ;Q96_&S@).;=W^MV(TP. M$;$<9GS+-I;-A&G_[CUV*6T.E=WT*QES0T3LAJFRLH W[\'P GIA]L5 7[=] MDX!>(#%C1,3&0!//WF HPIP1$3L#QPR'0Q$FCHA8'%9,OOPP,'&]J^0"Y-'M1"V/0ZER1QIB8CZ)B'VR/V'>%\T8TI,K)5#F?,K:(B).28F=@R>0(>.B3' MQ,2.Z3+HO96,SF01&^90;K.GDC'Q,2.^3W%V1M)3#$QL6+0"9C^S"6FF/BH MB@DGLV),,3&Q8G#,-,3$C!,3&V=GPA,_-0ACO-SMYM.AJ5_VF@!FG/C/3&D! MYBV'[,POF'@\QV79:T)YIN$V#=OD-="KPROUS*'<<.J[8UZL4PPWR3$OGG# M_+HE,Z.+!BH;S QW23$NNE13E716>M:2\FH^$>B7E<,;F44-,="F%6#\' M,K83UG53(2:FH(1800AV;P9L(PPONEQ+8:]&=@GPNQ,0LE/Z111C _,X_L&D] M2(f\)S5LQK?O5MQ2=$F?V$*_,>&CFD\6TQ^.8<8F(62HDM|MSWM1UV9H2 M8MGF(5>E?@HQ,0NEY'-MAY:1 /W#98B)62@EME"XEK0WS4PQ^:3$\@E7E?;2Z M99AS,F+G')R#.8'F4H=]S##G9,3..8@IGOUVB(DY)Z->S#D?QOF30TST0S)BY^S%_**<-M/"EDV80&SS#G9,3.09=M^^\FYIRL=GQ5B*94H;N$6%LIS7N8SP_Q/MIY%0DOI5_F53EA=0=J=N-"]V'^]N/CH^_P]02P,$% @ -(%#6A;=:Q0F M @ 8R@ !H !X,"]?8@DCEQN ;OO* R28_6@)\AG9)4M7_^C3U;9 MCR]EWPZ[HEBWNU.=?1[VQ[HLML-P^I5276W+H:UWW:DSIR]?IW*_TSLUNO=]OSN5G\Y3C\8W#ZZ/KWNBUE M:&:O;,\IP[))G_OKZ9HNXAWQWGMS,GM^C63?_\EIT=9! D$P?!U"DTP<9!-GT M00Y!/GU00%!,'I2H,7T0?<0=#]]T ,$/4P?E.$.Q/(G9'N3&W1KPS@=Z">@N!WH)Z"X'> M,GK9)M!;4&\AT%M0;R'06U!O(=!;4&\AT%M0;R'06U!O(=!;4&\AT%M1;R70M6U%O)=!;46\ET%M'FR4$>BOJK01Z*^JM!'HKZ]T$>BOJK01Z*^JM!'HKZ]T$ M>AOJ;01ZGV%BSFT!O0[V-0&]#O8U ;T.]C4!O0[V- M0&]#O8U ;T.]C4!O0[V- M0&]#O8U ;T>]G4!O1[V=0&]'?0:DT-M1;R?0VU%O M)]#;46\GT-M1;R?0.U#O(- [4.\@T#M0[R#0.U#O(- [4.\@T#M0[R#0.T8_ MFQ#H';AW$.@=]'?\I-YU^~;T>]G4!O1[V=0&]'??:DT-M1;R?0VU%O M)]#;46\GT-M1;R?

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'AL+W=O&PO=V]R:W-H965T7!E&UL4$L%!@ !, $P RQ0 (Q! 0 ! $! end XML 82 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 83 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 85 FilingSummary.xml IDEA: XBRL DOCUMENT 3.25.0.1 html 147 247 1 true 54 0 false 5 false false R1.htm 0000001 - Document - Cover Page Sheet http://imetrix.edgar-online.com/role/CoverPage Cover Page Cover 1 false false R2.htm 9952151 - Statement - Condensed Consolidated Balance Sheets (unaudited) Sheet http://imetrix.edgar-online.com/role/CondensedConsolidatedBalanceSheetsunaudited Condensed Consolidated Balance Sheets (unaudited) Statements 2 false false R3.htm 9952152 - Statement - Condensed Consolidated Balance Sheets (unaudited) (Parenthetical) Sheet http://imetrix.edgar-online.com/role/CondensedConsolidatedBalanceSheetsunauditedParenthetical Condensed Consolidated Balance Sheets (unaudited) (Parenthetical) Statements 3 false false R4.htm 9952153 - Statement - Condensed Consolidated Statements of Operations and Comprehensive Loss (unaudited) Sheet http://imetrix.edgar-online.com/role/CondensedConsolidatedStatementsofOperationsandComprehensiveLossunaudited Condensed Consolidated Statements of Operations and Comprehensive Loss (unaudited) Statements 4 false false R5.htm 9952154 - Statement - Condensed Consolidated Statements of Operations and Comprehensive Loss (unaudited) (Parenthetical) Sheet http://imetrix.edgar-online.com/role/CondensedConsolidatedStatementsofOperationsandComprehensiveLossunauditedParenthetical Condensed Consolidated Statements of Operations and Comprehensive Loss (unaudited) (Parenthetical) Statements 5 false false R6.htm 9952155 - Statement - Condensed Consolidated Statements of Stockholders??? 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Disclosure - Insider Trading Arrangements Sheet http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements Insider Trading Arrangements Notes 25 false false R26.htm 9955511 - Disclosure - Summary of significant accounting policies (Policies) Sheet http://imetrix.edgar-online.com/role/SummaryofsignificantaccountingpoliciesPolicies Summary of significant accounting policies (Policies) Policies 26 false false R27.htm 9955512 - Disclosure - Summary of significant accounting policies (Tables) Sheet http://imetrix.edgar-online.com/role/SummaryofsignificantaccountingpoliciesTables Summary of significant accounting policies (Tables) Tables http://imetrix.edgar-online.com/role/Summaryofsignificantaccountingpolicies 27 false false R28.htm 9955513 - Disclosure - Revenue (Tables) Sheet http://imetrix.edgar-online.com/role/RevenueTables Revenue (Tables) Tables http://imetrix.edgar-online.com/role/Revenue 28 false false R29.htm 9955514 - Disclosure - Cash and Cash Equivalents (Tables) Sheet http://imetrix.edgar-online.com/role/CashandCashEquivalentsTables Cash and Cash Equivalents (Tables) Tables http://imetrix.edgar-online.com/role/CashandCashEquivalents 29 false false R30.htm 9955515 - 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Revenue - By Industry (Details) Sheet http://imetrix.edgar-online.com/role/RevenueByIndustryDetails Revenue - By Industry (Details) Details 43 false false R44.htm 9955529 - Disclosure - Cash and Cash Equivalents (Details) Sheet http://imetrix.edgar-online.com/role/CashandCashEquivalentsDetails Cash and Cash Equivalents (Details) Details http://imetrix.edgar-online.com/role/CashandCashEquivalentsTables 44 false false R45.htm 9955530 - Disclosure - Fair value measurement - Summary of Company's Financial Assets and Liabilities Measured at Fair Value on a Recurring Basis (Details) Sheet http://imetrix.edgar-online.com/role/FairvaluemeasurementSummaryofCompanysFinancialAssetsandLiabilitiesMeasuredatFairValueonaRecurringBasisDetails Fair value measurement - Summary of Company's Financial Assets and Liabilities Measured at Fair Value on a Recurring Basis (Details) Details 45 false false R46.htm 9955531 - Disclosure - Fair value measurement - Narrative (Details) Sheet http://imetrix.edgar-online.com/role/FairvaluemeasurementNarrativeDetails Fair value measurement - 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Disclosure - Stock-based compensation - Expense (Details) Sheet http://imetrix.edgar-online.com/role/StockbasedcompensationExpenseDetails Stock-based compensation - Expense (Details) Details 61 false false R62.htm 9955547 - Disclosure - Stock-based compensation expense - Activity Under The Equity Incentive Plans (Details) Sheet http://imetrix.edgar-online.com/role/StockbasedcompensationexpenseActivityUnderTheEquityIncentivePlansDetails Stock-based compensation expense - Activity Under The Equity Incentive Plans (Details) Details 62 false false R63.htm 9955548 - Disclosure - Stock-based compensation - Narrative (Details) Sheet http://imetrix.edgar-online.com/role/StockbasedcompensationNarrativeDetails Stock-based compensation - Narrative (Details) Details 63 false false R64.htm 9955549 - Disclosure - Stock-based compensation expense - Stock Option Activity (Details) Sheet http://imetrix.edgar-online.com/role/StockbasedcompensationexpenseStockOptionActivityDetails Stock-based compensation expense - Stock Option Activity (Details) Details 64 false false R65.htm 9955550 - Disclosure - Stock-based compensation - Reserved For Issuance (Details) Sheet http://imetrix.edgar-online.com/role/StockbasedcompensationReservedForIssuanceDetails Stock-based compensation - Reserved For Issuance (Details) Details 65 false false R66.htm 9955551 - Disclosure - Net loss per share - Computation (Details) Sheet http://imetrix.edgar-online.com/role/NetlosspershareComputationDetails Net loss per share - Computation (Details) Details 66 false false R67.htm 9955552 - Disclosure - Net loss per share - Anti-dilutive (Details) Sheet http://imetrix.edgar-online.com/role/NetlosspershareAntidilutiveDetails Net loss per share - Anti-dilutive (Details) Details 67 false false R68.htm 9955553 - Disclosure - Liability Related to the Sales of Future Royalties - Narrative (Details) Sheet http://imetrix.edgar-online.com/role/LiabilityRelatedtotheSalesofFutureRoyaltiesNarrativeDetails Liability Related to the Sales of Future Royalties - Narrative (Details) Details http://imetrix.edgar-online.com/role/LiabilityRelatedtotheSalesofFutureRoyalties 68 false false All Reports Book All Reports twst-20241231.htm twst-20241231.xsd twst-20241231_cal.xml twst-20241231_def.xml twst-20241231_lab.xml twst-20241231_pre.xml twst-20241231_g1.jpg http://fasb.org/us-gaap/2024 http://xbrl.sec.gov/dei/2024 http://xbrl.sec.gov/ecd/2024 true true JSON 88 MetaLinks.json IDEA: XBRL DOCUMENT { "version": "2.2", "instance": { "twst-20241231.htm": { "nsprefix": "twst", "nsuri": "http://imetrix.edgar-online.com/20241231", "dts": { "inline": { "local": ["twst-20241231.htm"] }, "schema": { "local": ["twst-20241231.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/role/negated-2009-12-16.xsd", "http://www.xbrl.org/lrr/role/net-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/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/stpr/2024/stpr-2024.xsd"] }, "calculationLink": { "local": ["twst-20241231_cal.xml"] }, "definitionLink": { "local": ["twst-20241231_def.xml"] }, "labelLink": { "local": ["twst-20241231_lab.xml"] }, "presentationLink": { "local": ["twst-20241231_pre.xml"] } }, "keyStandard": 234, "keyCustom": 13, "axisStandard": 18, "axisCustom": 1, "memberStandard": 36, "memberCustom": 17, "hidden": { "total": 7, "http://xbrl.sec.gov/dei/2024": 5, "http://fasb.org/us-gaap/2024": 2 }, "contextCount": 147, "entityCount": 1, "segmentCount": 54, "elementCount": 505, "unitCount": 5, "baseTaxonomies": { "http://fasb.org/us-gaap/2024": 567, "http://xbrl.sec.gov/dei/2024": 29, "http://xbrl.sec.gov/ecd/2024": 4 }, "report": { "R1": { "role": "http://imetrix.edgar-online.com/role/CoverPage", "longName": "0000001 - 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Examples include taxes, interest, rent and utilities. 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Excludes net income (loss), and accumulated changes in equity from transactions resulting from investments by owners and distributions to owners." } } }, "auth_ref": [ "r1", "r7", "r17", "r426", "r429", "r498", "r617", "r618", "r898", "r899", "r900", "r907", "r908", "r909", "r911" ] }, "us-gaap_AcquiredFiniteLivedIntangibleAssetsLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AcquiredFiniteLivedIntangibleAssetsLineItems", "presentation": [ "http://imetrix.edgar-online.com/role/GoodwillandintangibleassetsIntangibleAssetsBalancesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Acquired Finite-Lived Intangible Assets [Line Items]", "label": "Acquired Finite-Lived Intangible Assets [Line Items]", "documentation": "Line items represent financial concepts included in a table. 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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." } } }, "auth_ref": ["r55", "r95", "r587", "r651"] }, "us-gaap_CommitmentsAndContingenciesDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommitmentsAndContingenciesDisclosureAbstract", "lang": { "en-us": { "role": { "terseLabel": "Commitments and Contingencies Disclosure [Abstract]", "label": "Commitments and Contingencies Disclosure [Abstract]" } } }, "auth_ref": [] }, "us-gaap_CommitmentsAndContingenciesDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommitmentsAndContingenciesDisclosureTextBlock", "presentation": 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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": ["r58"] }, "us-gaap_CommonStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockSharesOutstanding", "presentation": ["http://imetrix.edgar-online.com/role/CondensedConsolidatedBalanceSheetsunauditedParenthetical", "http://imetrix.edgar-online.com/role/CondensedConsolidatedStatementsofStockholdersEquityunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Common stock, outstanding (in shares)", "periodStartLabel": "Beginning balance (in shares)", "periodEndLabel": "Ending balance (in shares)", "label": "Common Stock, Shares, Outstanding", "documentation": "Number of shares of common stock outstanding. Common stock represent the ownership interest in a corporation." } } }, "auth_ref": ["r8", "r58", "r652", "r670", "r1064", "r1065"] }, "us-gaap_CommonStockValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockValue", "crdr": "credit", "calculation": { "http://imetrix.edgar-online.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 4.0 } }, "presentation": ["http://imetrix.edgar-online.com/role/CondensedConsolidatedBalanceSheetsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Common stock, $0.00001 par value \u2014100,000 and 100,000 shares authorized at December\u00a031, 2024 and September\u00a030, 2024, respectively; 59,582 and 58,877 shares issued and outstanding at December\u00a031, 2024 and September\u00a030, 2024, respectively", "label": "Common Stock, Value, Issued", "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": ["r58", "r588", "r766"] }, "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": { "terseLabel": "Compensation Actually Paid vs. Company Selected Measure", "label": "Compensation Actually Paid vs. Company Selected Measure [Text Block]" } } }, "auth_ref": ["r848"] }, "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": { "terseLabel": "Compensation Actually Paid vs. Net Income", "label": "Compensation Actually Paid vs. Net Income [Text Block]" } } }, "auth_ref": ["r847"] }, "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": { "terseLabel": "Compensation Actually Paid vs. Other Measure", "label": "Compensation Actually Paid vs. Other Measure [Text Block]" } } }, "auth_ref": ["r849"] }, "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": { "terseLabel": "Compensation Actually Paid vs. Total Shareholder Return", "label": "Compensation Actually Paid vs. Total Shareholder Return [Text Block]" } } }, "auth_ref": ["r846"] }, "us-gaap_ComprehensiveIncomeNetOfTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ComprehensiveIncomeNetOfTax", "crdr": "credit", "calculation": { "http://imetrix.edgar-online.com/role/CondensedConsolidatedStatementsofOperationsandComprehensiveLossunaudited": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://imetrix.edgar-online.com/role/CondensedConsolidatedStatementsofOperationsandComprehensiveLossunaudited"], "lang": { "en-us": { "role": { "totalLabel": "Comprehensive loss", "label": "Comprehensive Income (Loss), Net of Tax, Attributable to Parent", "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": ["r18", "r142", "r144", "r149", "r578", "r600", "r601"] }, "us-gaap_ComprehensiveIncomeNetOfTaxAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ComprehensiveIncomeNetOfTaxAbstract", "presentation": ["http://imetrix.edgar-online.com/role/CondensedConsolidatedStatementsofOperationsandComprehensiveLossunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Other comprehensive loss:", "label": "Comprehensive Income (Loss), Net of Tax, Attributable to Parent [Abstract]" } } }, "auth_ref": [] }, "us-gaap_ComputerEquipmentMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ComputerEquipmentMember", "presentation": ["http://imetrix.edgar-online.com/role/BalancesheetcomponentsSummaryofPropertyPlantandEquipmentDetails"], "lang": { "en-us": { "role": { "terseLabel": "Computer equipment", "label": "Computer Equipment [Member]", "documentation": "Long lived, depreciable assets that are used in the creation, maintenance and utilization of information systems." } } }, "auth_ref": [] }, "us-gaap_ConsolidationPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConsolidationPolicyTextBlock", "presentation": ["http://imetrix.edgar-online.com/role/SummaryofsignificantaccountingpoliciesPolicies"], "lang": { "en-us": { "role": { "terseLabel": "Principles of Consolidation", "label": "Consolidation, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy regarding (1) the principles it follows in consolidating or combining the separate financial statements, including the principles followed in determining the inclusion or exclusion of subsidiaries or other entities in the consolidated or combined financial statements and (2) its treatment of interests (for example, common stock, a partnership interest or other means of exerting influence) in other entities, for example consolidation or use of the equity or cost methods of accounting. The accounting policy may also address the accounting treatment for intercompany accounts and transactions, noncontrolling interest, and the income statement treatment in consolidation for issuances of stock by a subsidiary." } } }, "auth_ref": ["r43", "r730"] }, "us-gaap_ConstructionInProgressMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConstructionInProgressMember", "presentation": ["http://imetrix.edgar-online.com/role/BalancesheetcomponentsSummaryofPropertyPlantandEquipmentDetails"], "lang": { "en-us": { "role": { "terseLabel": "Construction in progress", "label": "Construction in Progress [Member]", "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_ContractWithCustomerAssetAndLiabilityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ContractWithCustomerAssetAndLiabilityTableTextBlock", "presentation": ["http://imetrix.edgar-online.com/role/RevenueTables"], "lang": { "en-us": { "role": { "terseLabel": "Contract with Customer, Contract Asset, Contract Liability, and Receivable", "label": "Contract with Customer, Contract Asset, Contract Liability, and Receivable [Table Text Block]", "documentation": "Tabular disclosure of receivable, contract asset, and contract liability from contract with customer. Includes, but is not limited to, change in contract asset and contract liability." } } }, "auth_ref": ["r971"] }, "us-gaap_ContractWithCustomerAssetNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ContractWithCustomerAssetNet", "crdr": "debit", "presentation": ["http://imetrix.edgar-online.com/role/RevenueContractBalancesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Contract with customer, asset, after allowance for credit loss", "label": "Contract with Customer, Asset, after Allowance for Credit Loss", "documentation": "Amount, after allowance for credit loss, of right to consideration in exchange for good or service transferred to customer when right is conditioned on something other than passage of time." } } }, "auth_ref": ["r314", "r316", "r327"] }, "us-gaap_ContractWithCustomerLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ContractWithCustomerLiability", "crdr": "credit", "presentation": ["http://imetrix.edgar-online.com/role/RevenueContractBalancesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Contract with customer, liability", "label": "Contract with Customer, Liability", "documentation": "Amount of obligation to transfer good or service to customer for which consideration has been received or is receivable." } } }, "auth_ref": ["r314", "r315", "r327"] }, "us-gaap_ContractWithCustomerLiabilityRevenueRecognized": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ContractWithCustomerLiabilityRevenueRecognized", "crdr": "credit", "presentation": ["http://imetrix.edgar-online.com/role/RevenueNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Contract with customer, liability, revenue recognized", "label": "Contract with Customer, Liability, Revenue Recognized", "documentation": "Amount of revenue recognized that was previously included in balance of obligation to transfer good or service to customer for which consideration from customer has been received or is due." } } }, "auth_ref": ["r328"] }, "us-gaap_CostOfRevenue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CostOfRevenue", "crdr": "debit", "calculation": { "http://imetrix.edgar-online.com/role/CondensedConsolidatedStatementsofOperationsandComprehensiveLossunaudited": { "parentTag": "us-gaap_CostsAndExpenses", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://imetrix.edgar-

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Includes production and non-production related depreciation." } } }, "auth_ref": ["r5", "r35"] }, "us-gaap_DepreciationDepletionAndAmortization": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DepreciationDepletionAndAmortization", "crdr": "debit", "calculation": { "http://imetrix.edgar-online.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 10.0 } }, "presentation": ["http://imetrix.edgar-online.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Depreciation and amortization", "label": "Depreciation, Depletion and Amortization", "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": ["r5", "r190", "r197", "r201", "r735", "r736"] }, "us-gaap_DevelopedTechnologyRightsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DevelopedTechnologyRightsMember", "presentation": ["http://imetrix.edgar-online.com/role/GoodwillandintangibleassetsIntangibleAssetsBalancesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Developed Technology", "label": "Developed Technology Rights [Member]", "documentation": "Rights to developed technology, which can include the right to develop, use, market, sell, or offer for sale products, compounds, or intellectual property." } } }, "auth_ref": ["r90", "r951", "r952", "r953", "r954", "r956", "r958", "r960", "r961"] }, "us-gaap_DisclosureOfCompensationRelatedCostsShareBasedPaymentsTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisclosureOfCompensationRelatedCostsShareBasedPaymentsTextBlock", "presentation": ["http://imetrix.edgar-online.com/role/Stockbasedcompensation"], "lang": { "en-us": { "role": { "terseLabel": "Stock-based compensation", "label": "Share-Based Payment Arrangement [Text Block]", "documentation": "The entire disclosure for share-based payment arrangement." } } }, "auth_ref": ["r339", "r343", "r371", "r372", "r374", "r750"] }, "us-gaap_DisclosureOfCompensationRelatedCostsSharebasedPaymentsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisclosureOfCompensationRelatedCostsSharebasedPaymentsAbstract", "lang": { "en-us": { "role": { "terseLabel": "Share-based Payment Arrangement [Abstract]", "label": "Share-Based Payment Arrangement [Abstract]" } } }, "auth_ref": [] }, "twst_DnaAndBiopharmaLibrariesMember": { "xbrltype": "domainItemType", "nsuri": "http://imetrix.edgar-online.com/20241231", "localname": "DnaAndBiopharmaLibrariesMember", "presentation": ["http://imetrix.edgar-online.com/role/RevenueByProductDetails"], "lang": { "en-us": { "role": { "terseLabel": "DNA libraries", "label": "Dna And Biopharma Libraries [Member]", "documentation": "DNA and Biopharma Libraries." } } }, "auth_ref": [] }, "dei_DocumentFiscalPeriodFocus": { "xbrltype": "fiscalPeriodItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentFiscalPeriodFocus", "presentation": ["http://imetrix.edgar-online.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Document Fiscal Period Focus", "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://imetrix.edgar-online.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Document Fiscal Year Focus", "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://imetrix.edgar-online.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Document Period End Date", "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://imetrix.edgar-online.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Document Quarterly Report", "label": "Document Quarterly Report", "documentation": "Boolean flag that is true only for a form used as an quarterly report." } } }, "auth_ref": ["r798"] }, "dei_DocumentTransitionReport": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentTransitionReport", "presentation": ["http://imetrix.edgar-online.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Document Transition Report", "label": "Document Transition Report", "documentation": "Boolean flag that is true only for a form used as a transition report." } } }, "auth_ref": ["r830"] }, "dei_DocumentType": { "xbrltype": "submissionTypeItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentType", "presentation": ["http://imetrix.edgar-online.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Document Type", "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_DvddsOrOthrErngsPdOnEqtyAwrdsNtOthrwsRflctdInTtlCompForCvrdYrMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "DvddsOrOthrErngsPdOnEqtyAwrdsNtOthrwsRflctdInTtlCompForCvrdYrMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Dividends or Other Earnings Paid on Equity Awards not Otherwise Reflected in Total Compensation for Covered Year", "label": "Dividends or Other Earnings Paid on Equity Awards not Otherwise Reflected in Total Compensation for Covered Year [Member]" } } }, "auth_ref": ["r841"] }, "us-gaap_EMEAMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EMEAMember", "presentation": ["http://imetrix.edgar-online.com/role/RevenueGeographicRegionDetails"], "lang": { "en-us": { "role": { "terseLabel": "EMEA", "label": "EMEA [Member]", "documentation": "Regions of Europe, Middle East and Africa." } } }, "auth_ref": ["r1067", "r1068", "r1069", "r1070"] }, "us-gaap_EarningsPerShareAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareAbstract", "lang": { "en-us": { "role": { "terseLabel": "Earnings Per Share [Abstract]", "label": "Earnings Per Share [Abstract]" } } }, "auth_ref": [] }, "us-gaap_EarningsPerShareBasic": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareBasic", "presentation": ["http://imetrix.edgar-online.com/role/CondensedConsolidatedStatementsofOperationsandComprehensiveLossunaudited", "http://imetrix.edgar-online.com/role/NetlosspershareComputationDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Net loss per share attributable to common stockholders\u2014basic (in usd per share)", "label": "Earnings Per Share, 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": ["r150", "r168", "r169", "r170", "r171", "r172", "r173", "r179", "r181", "r183", "r184", "r185", "r189", "r405", "r414", "r443", "r444", "r579", "r602", "r732"] }, "us-gaap_EarningsPerShareBasicAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareBasicAbstract", "presentation": ["http://imetrix.edgar-online.com/role/NetlosspershareComputationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Numerator:", "label": "Earnings Per Share, Basic [Abstract]" } } }, "auth_ref": [] }, "us-gaap_EarningsPerShareDiluted": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareDiluted", "presentation": ["http://imetrix.edgar-online.com/role/CondensedConsolidatedStatementsofOperationsandComprehensiveLossunaudited", "http://imetrix.edgar-online.com/role/NetlosspershareComputationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Net loss per share attributable to common stockholders\u2014diluted (in usd per share)", "verboseLabel": "Net loss per share attributable to common stockholders, diluted (in usd per share)", "label": "Earnings Per Share, 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": ["r150", "r168", "r169", "r170", "r171", "r172", "r173", "r181", "r183", "r184", "r185", "r189", "r405", "r414", "r443", "r444", "r579", "r602", "r732"] }, "us-gaap_EarningsPerShareTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareTextBlock", "presentation": ["http://imetrix.edgar-online.com/role/Netlosspershare"], "lang": { "en-us": { "role": { "terseLabel": "Net loss per share attributable to common stockholders", "label": "Earnings Per Share [Text Block]", "documentation": "The entire disclosure for earnings per share." } } }, "auth_ref": ["r178", "r186", "r187", "r188"] }, "us-gaap_EffectOfExchangeRateOnCashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectOfExchangeRateOnCashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents", "crdr": "debit", "calculation": { "http://imetrix.edgar-online.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-

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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": ["r472"] }, "twst_EmployeeMember": { "xbrltype": "domainItemType", "nsuri": "http://imetrix.edgar-online.com/20241231", "localname": "EmployeeMember", "presentation": ["http://imetrix.edgar-online.com/role/StockbasedcompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Employee", "label": "Employee [Member]", "documentation": "Employee" } } }, "auth_ref": [] }, "us-gaap_EmployeeRelatedLiabilitiesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeRelatedLiabilitiesCurrent", "crdr": "credit", "calculation": { "http://imetrix.edgar-online.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://imetrix.edgar-online.com/role/CondensedConsolidatedBalanceSheetsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Accrued compensation", "label": "Employee-related Liabilities, Current", "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": ["r51"] }, "us-gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognized": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognized", "crdr": "debit", "presentation": ["http://imetrix.edgar-online.com/role/StockbasedcompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Unrecognized compensation cost, stock options", "label": "Share-Based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Amount", "documentation": "Amount of cost not yet recognized for nonvested award under share-based payment arrangement." } } }, "auth_ref": ["r373"] }, 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It is commonly abbreviated as CIK." } } }, "auth_ref": ["r796"] }, "dei_EntityCommonStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCommonStockSharesOutstanding", "presentation": ["http://imetrix.edgar-online.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Common Stock, Shares Outstanding", "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://imetrix.edgar-online.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Current Reporting Status", "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://imetrix.edgar-online.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Emerging Growth Company", "label": "Entity Emerging Growth Company", "documentation": "Indicate if registrant meets the emerging growth company criteria." } } }, "auth_ref": ["r796"] }, "dei_EntityFileNumber": { "xbrltype": "fileNumberItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityFileNumber", "presentation": ["http://imetrix.edgar-online.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity File Number", "label": "Entity File Number", "documentation": "Commission file number. The field allows up to 17 characters. 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This information should be based on the registrant's current or most recent filing containing the related disclosure." } } }, "auth_ref": ["r796"] }, "dei_EntityIncorporationStateCountryCode": { "xbrltype": "edgarStateCountryItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityIncorporationStateCountryCode", "presentation": ["http://imetrix.edgar-online.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Incorporation, State or Country Code", "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://imetrix.edgar-online.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Interactive Data Current", "label": "Entity Interactive Data 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Excludes equity method investment and investment in equity security without readily determinable fair value." } } }, "auth_ref": ["r584"] }, "us-gaap_EquitySecuritiesFvNiCurrentAndNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquitySecuritiesFvNiCurrentAndNoncurrent", "crdr": "debit", "presentation": ["http://imetrix.edgar-online.com/role/CashandCashEquivalentsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Equity securities, FV-NI", "label": "Equity Securities, FV-NI", "documentation": "Amount of investment in equity security measured at fair value with change in fair value recognized in net income (FV-NI)." } } }, "auth_ref": ["r133", "r446", "r470", "r582", "r583", "r754", "r781", "r783", "r1006", "r1007", "r1008"] }, "us-gaap_EquitySecuritiesFvNiUnrealizedGain": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquitySecuritiesFvNiUnrealizedGain", "crdr": "credit", "presentation": ["http://imetrix.edgar-online.com/role/CashandCashEquivalentsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Equity securities, FV-NI, unrealized gain", "label": "Equity Securities, FV-NI, Unrealized Gain", "documentation": "Amount of unrealized gain on investment in equity security measured at fair value with change in fair value recognized in net income (FV-NI)." } } }, "auth_ref": ["r241"] }, "us-gaap_EquitySecuritiesFvNiUnrealizedLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquitySecuritiesFvNiUnrealizedLoss", "crdr": "debit", "presentation": ["http://imetrix.edgar-online.com/role/CashandCashEquivalentsDetails"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Equity securities, FV-NI, unrealized loss", "label": "Equity Securities, FV-NI, Unrealized Loss", "documentation": "Amount of unrealized loss on investment in equity security measured at fair value with change in fair value recognized in net income (FV-NI)." } } }, "auth_ref": ["r241"] }, "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": { "terseLabel": "Equity Valuation Assumption Difference, Footnote", "label": "Equity Valuation Assumption Difference, Footnote [Text Block]" } } }, "auth_ref": ["r845"] }, "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": { "terseLabel": "Erroneous Compensation Analysis", "label": "Erroneous Compensation Analysis [Text Block]" } } }, "auth_ref": ["r803", "r813", "r823", "r855"] }, "ecd_ErrCompRecoveryTable": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ErrCompRecoveryTable", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Erroneously Awarded Compensation Recovery", "label": "Erroneously Awarded Compensation Recovery [Table]" } } }, "auth_ref": ["r800", "r810", "r820", "r852"] }, "ecd_ExecutiveCategoryAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ExecutiveCategoryAxis", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Executive Category:", "label": "Executive Category [Axis]" } } }, "auth_ref": ["r851"] }, "twst_ExecutiveOfficersAndSeniorLevelEmployeesMember": { "xbrltype": "domainItemType", "nsuri": "http://imetrix.edgar-online.com/20241231", "localname": "ExecutiveOfficersAndSeniorLevelEmployeesMember", "presentation": ["http://imetrix.edgar-online.com/role/StockbasedcompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Executive Officers and Senior Level Employees", "label": "Executive Officers And Senior Level Employees [Member]", "documentation": "Executive officers and senior level employees." } } }, "auth_ref": [] }, "us-gaap_FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisLineItems", "presentation": ["http://imetrix.edgar-online.com/role/FairvaluemeasurementNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]", "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": ["r446", "r447", "r460", "r754"] }, "us-gaap_FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisTable", "presentation": ["http://imetrix.edgar-online.com/role/FairvaluemeasurementNarrativeDetails", "http://imetrix.edgar-online.com/role/FairvaluemeasurementSummaryofCompanysFinancialAssetsandLiabilitiesMeasuredatFairValueonaRecurringBasisDetails"], "lang": { "en-us": { "role": { "terseLabel": "Fair Value Measurements, Recurring and Nonrecurring [Table]", "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": ["r446", "r447", "r460", "r754"] }, "us-gaap_FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisTableTextBlock", "presentation": ["http://imetrix.edgar-online.com/role/FairvaluemeasurementTables"], "lang": { "en-us": { "role": { "terseLabel": "Summary of Company's Financial Assets and Liabilities Measured at Fair Value on a Recurring Basis", "label": "Fair Value Measurements, Recurring and Nonrecurring [Table Text Block]", "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": ["r754", "r1004", "r1005", "r1010"] }, "us-gaap_FairValueByFairValueHierarchyLevelAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueByFairValueHierarchyLevelAxis", "presentation": ["http://imetrix.edgar-online.com/role/FairvaluemeasurementSummaryofCompanysFinancialAssetsandLiabilitiesMeasuredatFairValueonaRecurringBasisDetails"], "lang": { "en-us": { "role": { "terseLabel": "Fair Value Hierarchy and NAV [Axis]", "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": ["r298", "r331", "r332", "r333", "r334", "r335", "r336", "r445", "r447", "r448", "r449", "r450", "r459", "r460", "r462", "r512", "r513", "r514", "r741", "r742", "r746", "r747", "r748", "r754", "r758"] }, "us-gaap_FairValueByLiabilityClassAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueByLiabilityClassAxis", "presentation": ["http://imetrix.edgar-online.com/role/FairvaluemeasurementNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Liability Class [Axis]", "label": "Liability Class [Axis]", "documentation": "Information by class of liability." } } }, "auth_ref": ["r451", "r452", "r453", "r454", "r455", "r456", "r461"] }, "us-gaap_FairValueDisclosuresAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueDisclosuresAbstract", "lang": { "en-us": { "role": { "terseLabel": "Fair Value Disclosures [Abstract]", "label": "Fair Value Disclosures [Abstract]" } } }, "auth_ref": [] }, "us-gaap_FairValueDisclosuresTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueDisclosuresTextBlock", "presentation": ["http://imetrix.edgar-online.com/role/Fairvaluemeasurement"], "lang": { "en-us": { "role": { "terseLabel": "Fair value measurement", "label": "Fair Value Disclosures [Text Block]", "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": ["r455", "r457", "r458", "r459", "r462", "r463", "r464", "r465", "r466", "r574", "r754", "r759"] }, "us-gaap_FairValueInputsLevel1Member": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueInputsLevel1Member", "presentation": 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Examples include, but are not limited to, desks, chairs, tables, and bookcases." } } }, "auth_ref": [] }, "us-gaap_Goodwill": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "Goodwill", "crdr": "debit", "calculation": { "http://imetrix.edgar-online.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_Assets", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://imetrix.edgar-online.com/role/CondensedConsolidatedBalanceSheetsunaudited", "http://imetrix.edgar-online.com/role/GoodwillandintangibleassetsSummaryofGoodwillDetails"], "lang": { "en-us": { "role": { "terseLabel": "Goodwill", "periodStartLabel": "Balance at beginning of year", "periodEndLabel": "Balance at end of year", "label": "Goodwill", "documentation": "Amount, after accumulated impairment loss, of asset representing future economic benefit arising from other asset acquired in business combination or from joint venture formation or both, that is not 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Related party includes, but is not limited to, affiliate, other entity for which investment is accounted for under equity method, trust for benefit of employee, principal owner, management, and member of immediate family, and other party that may be prevented from pursuing separate interests because of control, significant influence, or ownership interest." } } }, "auth_ref": ["r208", "r337", "r502", "r503", "r586", "r592", "r645", "r646", "r647", "r648", "r649", "r669", "r671", "r701"] }, "us-gaap_RelatedPartyMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyMember", "presentation": ["http://imetrix.edgar-online.com/role/CondensedConsolidatedStatementsofOperationsandComprehensiveLossunauditedParenthetical", "http://imetrix.edgar-online.com/role/RelatedpartytransactionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Related Party", "label": "Related Party [Member]", "documentation": "Party related to reporting entity. Includes, but is not limited to, affiliate, entity for which investment is accounted for by equity method, trust for benefit of employees, and principal owner, management, and members of immediate family." } } }, "auth_ref": ["r159", "r160", "r502", "r503", "r504", "r505", "r586", "r592", "r645", "r646", "r647", "r648", "r649", "r669", "r671", "r701"] }, "us-gaap_RelatedPartyTransactionLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyTransactionLineItems", "presentation": ["http://imetrix.edgar-online.com/role/RelatedpartytransactionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Related Party Transaction [Line Items]", "label": "Related Party Transaction [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": ["r208", "r675", "r676", "r679"] }, "us-gaap_RelatedPartyTransactionPurchasesFromRelatedParty": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyTransactionPurchasesFromRelatedParty", "crdr": "debit", "presentation": ["http://imetrix.edgar-online.com/role/RelatedpartytransactionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Raw materials purchased from related party investor", "label": "Related Party Transaction, Purchases from Related Party", "documentation": "Purchases during the period (excluding transactions that are eliminated in consolidated or combined financial statements) with related party." } } }, "auth_ref": [] }, "us-gaap_RelatedPartyTransactionsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyTransactionsAbstract", "lang": { "en-us": { "role": { "terseLabel": "Related Party Transactions [Abstract]", "label": "Related Party Transactions [Abstract]" } } }, "auth_ref": [] }, "us-gaap_RelatedPartyTransactionsByRelatedPartyAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyTransactionsByRelatedPartyAxis", "presentation": ["http://imetrix.edgar-online.com/role/CondensedConsolidatedStatementsofOperationsandComprehensiveLossunauditedParenthetical", "http://imetrix.edgar-online.com/role/RelatedpartytransactionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Related Party [Axis]", "label": "Related and Nonrelated Parties [Axis]", "documentation": "Information by related and nonrelated parties. Related party includes, but is not limited to, affiliate, other entity for which investment is accounted for under equity method, trust for benefit of employee, principal owner, management, and member of immediate family, and other party that may be prevented from pursuing separate interests because of control, significant influence, or ownership interest." } } }, "auth_ref": ["r208", "r337", "r502", "r503", "r586", "r592", "r645", "r646", "r647", "r648", "r649", "r669", "r671", "r701", "r1016"] }, "us-gaap_RelatedPartyTransactionsDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyTransactionsDisclosureTextBlock", "presentation": ["http://imetrix.edgar-online.com/role/Relatedpartytransactions"], "lang": { "en-us": { "role": { "terseLabel": "Related party transactions", "label": "Related Party Transactions Disclosure [Text Block]", "documentation": "The entire disclosure for related party transactions. Examples of related party transactions include transactions between (a) a parent company and its subsidiary; (b) subsidiaries of a common parent; (c) and entity and its principal owners; and (d) affiliates." } } }, "auth_ref": ["r499", "r500", "r501", "r503", "r506", "r633", "r634", "r635", "r677", "r678", "r679", "r698", "r700"] }, "us-gaap_ResearchAndDevelopmentExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ResearchAndDevelopmentExpense", "crdr": "debit", "calculation": { "http://imetrix.edgar-online.com/role/CondensedConsolidatedStatementsofOperationsandComprehensiveLossunaudited": { "parentTag": "us-gaap_CostsAndExpenses", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://imetrix.edgar-online.com/role/CondensedConsolidatedStatementsofOperationsandComprehensiveLossunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Research and development", "label": "Research and Development Expense", "documentation": "Amount of expense for research and development. Includes, but is not limited to, cost for computer software product to be sold, leased, or otherwise marketed and writeoff of research and development assets acquired in transaction other than business combination or joint venture formation or both. Excludes write-down of intangible asset acquired in business combination or from joint venture formation or both, used in research and development activity." } } }, "auth_ref": ["r377", "r725", "r735", "r1025"] }, "us-gaap_ResearchAndDevelopmentExpenseMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ResearchAndDevelopmentExpenseMember", "presentation": ["http://imetrix.edgar-online.com/role/StockbasedcompensationExpenseDetails"], "lang": { "en-us": { "role": { "terseLabel": "Research and development", "label": "Research and Development Expense [Member]", "documentation": "Primary financial statement caption in which the reported facts about research and development expense have been included." } } }, "auth_ref": [] }, "ecd_RestatementDateAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "RestatementDateAxis", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Restatement Determination Date:", "label": "Restatement Determination Date [Axis]" } } }, "auth_ref": ["r801", "r811", "r821", "r853"] }, "ecd_RestatementDeterminationDate": { "xbrltype": "dateItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "RestatementDeterminationDate", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Restatement Determination Date", "label": "Restatement Determination Date" } } }, "auth_ref": ["r802", "r812", "r822", "r854"] }, "ecd_RestatementDoesNotRequireRecoveryTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "RestatementDoesNotRequireRecoveryTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Restatement does not require Recovery", "label": "Restatement Does Not Require Recovery [Text Block]" } } }, "auth_ref": ["r809", "r819", "r829", "r861"] }, "us-gaap_RestrictedCashAndCashEquivalentsCashAndCashEquivalentsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedCashAndCashEquivalentsCashAndCashEquivalentsMember", "presentation": ["http://imetrix.edgar-online.com/role/CashandCashEquivalentsDetails", "http://imetrix.edgar-online.com/role/FairvaluemeasurementSummaryofCompanysFinancialAssetsandLiabilitiesMeasuredatFairValueonaRecurringBasisDetails"], "lang": { "en-us": { "role": { "terseLabel": "Cash and Cash Equivalents [Domain]", "label": "Cash and Cash Equivalents [Domain]", "documentation": "Type of cash and cash equivalent. Cash is 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": ["r126"] }, "us-gaap_RestrictedCashNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedCashNoncurrent", "crdr": "debit", "calculation": { "http://imetrix.edgar-online.com/role/SummaryofsignificantaccountingpoliciesSummaryofCashCashEquivalentsandRestrictedCashDetails": { "parentTag": "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents", "weight": 1.0, "order": 2.0 }, "http://imetrix.edgar-online.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_Assets", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://imetrix.edgar-online.com/role/CondensedConsolidatedBalanceSheetsunaudited", "http://imetrix.edgar-online.com/role/SummaryofsignificantaccountingpoliciesSummaryofCashCashEquivalentsandRestrictedCashDetails"], "lang": { "en-us": { "role": { "terseLabel": "Restricted cash, non-current", "label": "Restricted Cash, Noncurrent", "documentation": "Amount of cash restricted as to withdrawal or usage, classified as noncurrent. 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." } } }, "auth_ref": ["r106", "r889", "r905"] }, "us-gaap_RestrictedStockUnitsRSUMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedStockUnitsRSUMember", "presentation": ["http://imetrix.edgar-online.com/role/StockbasedcompensationNarrativeDetails", "http://imetrix.edgar-online.com/role/StockbasedcompensationexpenseActivityUnderTheEquityIncentivePlansDetails"], "lang": { "en-us": { "role": { "terseLabel": "Restricted Stock Unit", "label": "Restricted Stock Units (RSUs) [Member]", "documentation": "Share instrument which is convertible to stock or an equivalent amount of cash, after a specified period of time or when specified performance conditions are met." } } }, "auth_ref": [] }, "us-gaap_RetainedEarningsAccumulatedDeficit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RetainedEarningsAccumulatedDeficit", "crdr": "credit", "calculation": { "http://imetrix.edgar-online.com/role/CondensedConsolidatedBalanceSheetsunaudited": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://imetrix.edgar-online.com/role/CondensedConsolidatedBalanceSheetsunaudited", "http://imetrix.edgar-online.com/role/Organizationanddescriptionofbusiness Details"], "lang": { "en-us": { "role": { "terseLabel": "Accumulated deficit", "negatedLabel": "Accumulated deficit", "label": "Retained Earnings (Accumulated Deficit)", "documentation": "Amount of accumulated undistributed earnings (deficit)." } } }, "auth_ref": ["r60", "r85", "r590", "r621", "r626", "r631", "r653", "r766"] }, "us-gaap_RetainedEarningsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RetainedEarningsMember", "presentation": ["http://imetrix.edgar-online.com/role/CondensedConsolidatedStatementsofStockholdersEquityunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Accumulated deficit", "label": "Retained Earnings [Member]", "documentation": "Accumulated undistributed earnings (deficit)." } } }, "auth_ref": ["r119", "r161", "r162", "r163", "r166", "r172", "r174", "r176", "r246", "r252", "r278", "r388", "r389", "r401", "r402", "r403", "r406", "r413", "r414", "r425", "r427", "r428", "r431", "r442", "r480", "r482", "r617", "r619", "r637", "r1064"] }, "us-gaap_RevenueFromContractWithCustomerAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerAbstract", "lang": { "en-us": { "role": { "label": "Revenue from Contract with Customer [Abstract]" } } }, "auth_ref": [] }, "us-gaap_RevenueFromContractWithCustomerIncludingAssessedTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerIncludingAssessedTax", "crdr": "credit", "calculation": { "http://imetrix.edgar-online.com/role/CondensedConsolidatedStatementsofOperationsandComprehensiveLossunaudited": { "parentTag": "us-gaap_OperatingIncomeLoss", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://imetrix.edgar-online.com/role/CondensedConsolidatedStatementsofOperationsandComprehensiveLossunaudited", "http://imetrix.edgar-online.com/role/CondensedConsolidatedStatementsofOperationsandComprehensiveLossunauditedParenthetical", "http://imetrix.edgar-online.com/role/RelatedpartytransactionsDetails", "http://imetrix.edgar-online.com/role/RevenueByIndustryDetails", "http://imetrix.edgar-

online.com/role/RevenueByProductDetails", "http://imetrix.edgar-online.com/role/RevenueGeographicRegionDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Revenues", "terseLabel": "Revenue", "label": "Revenue from Contract with Customer, Including Assessed Tax", "documentation": "Amount, including tax collected from customer, of revenue from satisfaction of performance obligation by transferring promised good or service to customer. Tax collected from customer is tax assessed by governmental authority that is both imposed on and concurrent with specific revenue-producing transaction, including, but not limited to, sales, use, value-added and excise." } } }, "auth_ref": ["r101", "r102", "r190", "r193", "r194", "r199", "r201", "r202", "r203", "r205", "r325", "r326", "r541"] }, "us-gaap_RevenueFromContractWithCustomerTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerTextBlock", "presentation": ["http://imetrix.edgar-online.com/role/Revenue"], "lang": { "en-us": { "role": { "terseLabel": "Revenue", "label": "Revenue from Contract with Customer [Text Block]", "documentation": "The entire disclosure of revenue from contract with customer to transfer good or service and to transfer nonfinancial asset. Includes, but is not limited to, disaggregation of revenue, credit loss recognized from contract with customer, judgment and change in judgment related to contract with customer, and asset recognized from cost incurred to obtain or fulfill contract with customer. Excludes insurance and lease contracts." } } }, "auth_ref": ["r115", "r317", "r318", "r319", "r320", "r321", "r322", "r323", "r324", "r329"] }, "us-gaap_RevenueRemainingPerformanceObligation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueRemainingPerformanceObligation", "crdr": "credit", "presentation": ["http://imetrix.edgar-online.com/role/RevenueNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Revenue, remaining performance obligation, amount", "label": "Revenue, Remaining Performance Obligation, Amount", "documentation": "Amount of transaction price allocated to performance obligation that has not been recognized as revenue." } } }, "auth_ref": ["r113"] }, "ecd_Rule10b51ArrAdoptedFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "Rule10b51ArrAdoptedFlag", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"], "lang": { "en-us": { "role": { "terseLabel": "Rule 10b5-1 Arrangement Adopted", "label": "Rule 10b5-1 Arrangement Adopted [Flag]" } } }, "auth_ref": ["r870"] }, "ecd_Rule10b51ArrTrmntdFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "Rule10b51ArrTrmntdFlag", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"], "lang": { "en-us": { "role": { "terseLabel": "Rule 10b5-1 Arrangement Terminated", "label": "Rule 10b5-1 Arrangement Terminated [Flag]" } } }, "auth_ref": ["r870"] }, "us-gaap_ScheduleOfAcquiredFiniteLivedIntangibleAssetByMajorClassTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfAcquiredFiniteLivedIntangibleAssetByMajorClassTable", "presentation": ["http://imetrix.edgar-online.com/role/GoodwillandintangibleassetsIntangibleAssetsBalancesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Acquired Finite-Lived Intangible Asset by Major Class [Table]", "label": "Schedule of Acquired Finite-Lived Intangible Asset by Major Class [Table]", "documentation": "Disclosure of information about acquired finite-lived intangible asset by major class." } } }, "auth_ref": ["r269", "r270", "r271", "r272", "r725"] }, "us-gaap_ScheduleOfAntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfAntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareTable", "presentation": ["http://imetrix.edgar-online.com/role/NetlosspershareAntidilutiveDetails"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Antidilutive Securities Excluded from Computation of Earnings Per Share [Table]", "label": "Antidilutive Security, Excluded EPS Calculation [Table]", "documentation": "Disclosure of information about security that could potentially dilute basic earnings per share (EPS) in future that was not included in calculation of diluted EPS." } } }, "auth_ref": ["r26"] }, "us-gaap_ScheduleOfAntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfAntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareTextBlock", "presentation": ["http://imetrix.edgar-online.com/role/NetlosspershareTables"], "lang": { "en-us": { "role": { "terseLabel": "Summary of Calculation of Diluted Net Loss Per Share", "label": "Schedule of Antidilutive Securities Excluded from Computation of Earnings Per Share [Table Text Block]", "documentation": "Tabular disclosure of securities (including those issuable pursuant to contingent stock agreements) that could potentially dilute basic earnings per share (EPS) in the future that were not included in the computation of diluted EPS because to do so would increase EPS amounts or decrease loss per share amounts for the period presented, by antidilutive securities." } } }, "auth_ref": ["r26"] }, "us-gaap_ScheduleOfCashAndCashEquivalentsTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfCashAndCashEquivalentsTable", "presentation": ["http://imetrix.edgar-online.com/role/CashandCashEquivalentsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Cash and Cash Equivalent [Table]", "label": "Cash and Cash Equivalent [Table]", "documentation": "Disclosure of information about cash and cash equivalent by type. Excludes restricted cash and cash equivalent." } } }, "auth_ref": [] }, "us-gaap_ScheduleOfCashAndCashEquivalentsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfCashAndCashEquivalentsTableTextBlock", "presentation": ["http://imetrix.edgar-online.com/role/CashandCashEquivalentsTables", "http://imetrix.edgar-online.com/role/FairvaluemeasurementTables"], "lang": { "en-us": { "role": { "terseLabel": "Summary of Cash and Cash Equivalents", "label": "Schedule of Cash and Cash Equivalents [Table Text Block]", "documentation": "Tabular disclosure of the components of cash and cash equivalents." } } }, "auth_ref": [] }, "us-gaap_ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock", "presentation": ["http://imetrix.edgar-online.com/role/NetlosspershareTables"], "lang": { "en-us": { "role": { "terseLabel": "Summary of Computation of the Company's Basic and Diluted Net Loss Per Share Attributable to Common Stockholders", "label": "Schedule of Earnings Per Share, Basic and Diluted [Table Text Block]", "documentation": "Tabular disclosure of an entity's basic and diluted earnings per share calculations, including a reconciliation of numerators and denominators of the basic and diluted per-share computations for income from continuing operations." } } }, "auth_ref": ["r912"] }, "us-gaap_ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTextBlock", "presentation": ["http://imetrix.edgar-online.com/role/StockbasedcompensationTables"], "lang": { "en-us": { "role": { "verboseLabel": "Schedule of Stock-Based Compensation Expenses", "label": "Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table Text Block]", "documentation": "Tabular disclosure of allocation of amount expensed and capitalized for award under share-based payment arrangement to statement of income or comprehensive income and statement of financial position. Includes, but is not limited to, corresponding line item in financial statement." } } }, "auth_ref": ["r38"] }, "us-gaap_ScheduleOfEntityWideInformationRevenueFromExternalCustomersByProductsAndServicesTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEntityWideInformationRevenueFromExternalCustomersByProductsAndServicesTextBlock", "presentation": ["http://imetrix.edgar-online.com/role/RevenueTables"], "lang": { "en-us": { "role": { "terseLabel": "Summary of Revenue by Product", "label": "Revenue from External Customers by Products and Services [Table Text Block]", "documentation": "Tabular disclosure of entity-wide revenues from external customers for each product or service or each group of similar products or services if the information is not provided as part of the reportable operating segment information." } } }, "auth_ref": ["r33"] }, "us-gaap_ScheduleOfFiniteLivedIntangibleAssetsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfFiniteLivedIntangibleAssetsTableTextBlock", "presentation": ["http://imetrix.edgar-online.com/role/GoodwillandintangibleassetsTables"], "lang": { "en-us": { "role": { "terseLabel": "Summary of Intangible Assets", "label": "Schedule of Finite-Lived Intangible Assets [Table Text Block]", "documentation": "Tabular disclosure of assets, excluding financial assets and goodwill, lacking physical substance with a finite life, by either major class or business segment." } } }, "auth_ref": ["r740", "r957"] }, "us-gaap_ScheduleOfGoodwillTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfGoodwillTextBlock", "presentation": ["http://imetrix.edgar-online.com/role/GoodwillandintangibleassetsTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Goodwill balance", "label": "Schedule of Goodwill [Table Text Block]", "documentation": "Tabular disclosure of goodwill by reportable segment and in total which includes a rollforward schedule." } } }, "auth_ref": ["r739", "r939", "r940", "r941", "r942", "r943", "r944", "r945", "r946", "r947", "r948", "r949"] }, "us-gaap_ScheduleOfInventoryCurrentTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfInventoryCurrentTableTextBlock", "presentation": ["http://imetrix.edgar-online.com/role/BalancesheetcomponentsTables"], "lang": { "en-us": { "role": { "terseLabel": "Summary of Inventories", "label": "Schedule of Inventory, Current [Table Text Block]", "documentation": "Tabular disclosure of the carrying amount as of the balance sheet date of merchandise, goods, commodities, or supplies held for future sale or to be used in manufacturing, servicing or production process." } } }, "auth_ref": ["r15", "r64", "r65", "r66"] }, "us-gaap_ScheduleOfNonvestedPerformanceBasedUnitsActivityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfNonvestedPerformanceBasedUnitsActivityTableTextBlock", "presentation": ["http://imetrix.edgar-online.com/role/StockbasedcompensationTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Nonvested Performance-based Units Activity", "label": "Schedule of Nonvested Performance-Based Units Activity [Table Text Block]", "documentation": "Tabular disclosure of the changes in outstanding nonvested performance-based units." } } }, "auth_ref": ["r87"] }, "us-gaap_ScheduleOfNonvestedRestrictedStockUnitsActivityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfNonvestedRestrictedStockUnitsActivityTableTextBlock", "presentation": ["http://imetrix.edgar-online.com/role/StockbasedcompensationTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Nonvested Restricted Stock Units Activity", "label": "Schedule of Nonvested Restricted Stock Units Activity [Table Text Block]", "documentation": "Tabular disclosure of the changes in outstanding nonvested restricted stock units." } } }, "auth_ref": ["r87"] }, "us-gaap_ScheduleOfPropertyPlantAndEquipmentTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfPropertyPlantAndEquipmentTable", "presentation": ["http://imetrix.edgar-online.com/role/BalancesheetcomponentsSummaryofPropertyPlantandEquipmentDetails"], "lang": { "en-us": { "role": { "terseLabel": "Property, Plant and Equipment [Table]", "label": "Property, Plant and Equipment [Table]", "documentation": "Disclosure of information about physical assets used in the normal conduct of business and not intended for resale. Includes, but is not limited to, balances by class of assets, depreciation and depletion expense and method used, including composite depreciation, and accumulated deprecation." } } }, "auth_ref": ["r6", "r492"] }, "us-gaap_ScheduleOfRelatedPartyTransactionsByRelatedPartyTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfRelatedPartyTransactionsByRelatedPartyTable", "presentation": ["http://imetrix.edgar-online.com/role/Relatedpartytransactionsdetails"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Related Party Transactions, by Related Party [Table]", "label": "Related Party Transaction [Table]", "documentation": "Disclosure of information about related party transaction." } } }, "auth_ref": ["r46", "r47", "r675", "r676", "r679"] }, "us-gaap_ScheduleOfRestrictedCashAndCashEquivalentsTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfRestrictedCashAndCashEquivalentsTextBlock", "presentation": ["http://imetrix.edgar-online.com/role/SummaryofsignificantaccountingpoliciesTables"], "lang": { "en-us": { "role": { "terseLabel": "Summary of Cash, Cash Equivalents and Restricted Cash", "label": "Restrictions on Cash and Cash Equivalents [Table Text Block]", "documentation": "Tabular disclosure of cash and cash equivalents restricted as to withdrawal or usage." } } }, "auth_ref": ["r12", "r92", "r1028"] }, "twst_ScheduleOfRevenueFromExternalCustomersAndLongLivedAssetsByIndustryTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://imetrix.edgar-online.com/20241231", "localname": "ScheduleOfRevenueFromExternalCustomersAndLongLivedAssetsByIndustryTableTextBlock", "presentation": ["http://imetrix.edgar-online.com/role/RevenueTables"], "lang": { "en-us": { "role": { "terseLabel": "Summary of Revenue by Industry", "label": "Schedule Of Revenue From External Customers And Long Lived Assets By Industry [Table Text Block]", "documentation": "Tabular disclosure of revenue from external customers and long lived assets by industry." } } }, "auth_ref": [] }, "us-gaap_ScheduleOfRevenuesFromExternalCustomersAndLongLivedAssetsByGeographicalAreasTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfRevenuesFromExternalCustomersAndLongLivedAssetsByGeographicalAreasTableTextBlock", "presentation": ["http://imetrix.edgar-online.com/role/RevenueTables"], "lang": { "en-us": { "role": { "terseLabel": "Summary of Revenue by Geographic Region", "label": "Schedule of Revenue from External Customers and Long-Lived Assets, by Geographical Areas [Table Text Block]", "documentation": "Tabular disclosure of information concerning material long-lived assets (excluding financial instruments, customer relationships with financial institutions, mortgage and other servicing rights, deferred policy acquisition costs, and deferred taxes assets) located in identified geographic areas and/or the amount of revenue from external customers attributed to that country from which revenue is material. An entity may also provide subtotals of geographic information about groups of countries." } } }, "auth_ref": ["r34", "r68"] }, "us-gaap_ScheduleOfSegmentReportingInformationBySegmentTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfSegmentReportingInformationBySegmentTable", "presentation": ["http://imetrix.edgar-online.com/role/RevenueByIndustryDetails", "http://imetrix.edgar-online.com/role/RevenueByProductDetails", "http://imetrix.edgar-online.com/role/RevenueGeographicRegionDetails"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Segment Reporting Information, by Segment [Table]", "label": "Schedule of Segment Reporting Information, by Segment [Table]", "documentation": "Disclosure of information about profit (loss) and total assets by reportable segment." } } }, "auth_ref": ["r30", "r31", "r32"] }, "us-gaap_ScheduleOfShareBasedCompensationArrangementsByShareBasedPaymentAwardTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShareBasedCompensationArrangementsByShareBasedPaymentAwardTable", "presentation": ["http://imetrix.edgar-online.com/role/StockbasedcompensationExpenseDetails", "http://imetrix.edgar-online.com/role/StockbasedcompensationNarrativeDetails", "http://imetrix.edgar-online.com/role/StockbasedcompensationexpenseActivityUnderTheEquityIncentivePlansDetails", "http://imetrix.edgar-

online.com/role/StockbasedcompensationexpenseStockOptionActivityDetails"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Share-based Compensation Arrangements by Share-based Payment Award [Table]", "label": "Schedule of Share-Based Compensation Arrangements by Share-Based Payment Award [Table]", "documentation": "Disclosure of information about share-based payment arrangement." } } }, "auth_ref": ["r340", "r342", "r344", "r345", "r346", "r347", "r348", "r349", "r350", "r351", "r352", "r353", "r354", "r355", "r356", "r357", "r358", "r359", "r360", "r361", "r362", "r363", "r364", "r365", "r366", "r367", "r368", "r369"] }, "us-gaap_ScheduleOfShareBasedCompensationStockOptionsActivityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShareBasedCompensationStockOptionsActivityTableTextBlock", "presentation": ["http://imetrix.edgar-online.com/role/StockbasedcompensationTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Activity Under Option and Performance Stock Options", "label": "Share-Based Payment Arrangement, Option, Activity [Table Text Block]", "documentation": "Tabular disclosure for stock option plans. Includes, but is not limited to, outstanding awards at beginning and end of year, grants, exercises, forfeitures, and weighted-average grant date fair value." } } }, "auth_ref": ["r9", "r10", "r86"] }, "us-gaap_ScheduleOfShareBasedPaymentAwardStockOptionsValuationAssumptionsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShareBasedPaymentAwardStockOptionsValuationAssumptionsTableTextBlock", "presentation": ["http://imetrix.edgar-online.com/role/StockbasedcompensationTables"], "lang": { "en-us": { "role": { "terseLabel": "Summary of Stock Option Valuation Assumptions", "label": "Schedule of Share-Based Payment Award, Stock Options, Valuation Assumptions [Table Text Block]", "documentation": "Tabular disclosure of the significant assumptions used during the year to estimate the fair value of stock 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." } } }, "auth_ref": ["r89"] }, "dei_Security12bTitle": { "xbrltype": "securityTitleItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "Security12bTitle", "presentation": ["http://imetrix.edgar-online.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Title of 12(b) Security", "label": "Title of 12(b) Security", "documentation": "Title of a 12(b) registered security." } } }, "auth_ref": ["r795"] }, "dei_SecurityExchangeName": { "xbrltype": "edgarExchangeCodeItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "SecurityExchangeName", "presentation": ["http://imetrix.edgar-online.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Security Exchange Name", "label": "Security Exchange Name", "documentation": "Name of the Exchange on which a security is registered." } } }, "auth_ref": ["r797"] }, "srt_SegmentGeographicalDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "SegmentGeographicalDomain", "presentation": ["http://imetrix.edgar-online.com/role/RevenueGeographicRegionDetails"], "lang": { "en-us": { "role": { "terseLabel": "Geographical [Domain]", "label": "Geographical [Domain]" } } }, "auth_ref": ["r203", "r204", "r544", "r545", "r546", "r547", "r548", "r549", "r550", "r551", "r552", "r553", "r554", "r555", "r556", "r557", "r558", "r559", "r560", "r561", "r562", "r563", "r564", "r565", "r566", "r567", "r568", "r569", "r570", "r571", "r572", "r573", "r639", "r640", "r641", "r703", "r705", "r708", "r710", "r712", "r714", "r715", "r716", "r717", "r718", "r719", "r720", "r721", "r722", "r727", "r745", "r768", "r769", "r770", "r771", "r772", "r773", "r774", "r775", "r779", "r786", "r972", "r1030", "r1034", "r1035", "r1037", "r1038", "r1039", "r1040", "r1041", "r1042", "r1043", "r1044", "r1045", "r1046", "r1047", "r1048", "r1049", "r1050", "r1051", "r1052", "r1053", "r1054", "r1055", "r1056", "r1057", "r1058", "r1059", "r1060", "r1061"] }, "us-gaap_SegmentReportingInformationLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SegmentReportingInformationLineItems", "presentation": ["http://imetrix.edgar-online.com/role/RevenueByIndustryDetails", "http://imetrix.edgar-online.com/role/RevenueByProductDetails", "http://imetrix.edgar-online.com/role/RevenueGeographicRegionDetails"], "lang": { "en-us": { "role": { "terseLabel": "Segment Reporting Information [Line Items]", "label": "Segment Reporting Information [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_SellingGeneralAndAdministrativeExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SellingGeneralAndAdministrativeExpense", "crdr": "debit", "calculation": { "http://imetrix.edgar-online.com/role/CondensedConsolidatedStatementsofOperationsandComprehensiveLossunaudited": { "parentTag": "us-gaap_CostsAndExpenses", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://imetrix.edgar-online.com/role/CondensedConsolidatedStatementsofOperationsandComprehensiveLossunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Selling, general and administrative", "label": "Selling, General and Administrative Expense", "documentation": "The aggregate total costs related to selling a firm's product and services, as well as all other general and administrative expenses. Direct selling expenses (for example, credit, warranty, and advertising) are expenses that can be directly linked to the sale of specific products. Indirect selling expenses are expenses that cannot be directly linked to the sale of specific products, for example telephone expenses, Internet, and postal charges. General and administrative expenses include salaries of non-sales personnel, rent, utilities, communication, etc." } } }, "auth_ref": ["r72"] }, "us-gaap_SellingGeneralAndAdministrativeExpensesMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SellingGeneralAndAdministrativeExpensesMember", "presentation": ["http://imetrix.edgar-online.com/role/StockbasedcompensationExpenseDetails"], "lang": { "en-us": { "role": { "terseLabel": "Selling, general and administrative", "label": "Selling, General and Administrative Expenses [Member]", "documentation": "Primary financial statement caption encompassing selling, general and administrative expense." } } }, "auth_ref": [] }, "us-gaap_ShareBasedCompensation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensation", "crdr": "debit", "calculation": { "http://imetrix.edgar-online.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://imetrix.edgar-online.com/role/CondensedConsolidatedStatementsofCashFlowsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Stock-based compensation", "label": "Share-Based Payment Arrangement, Noncash Expense", "documentation": "Amount of noncash expense for share-based payment arrangement." } } }, "auth_ref": ["r4"] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardAwardVestingPeriod1": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardAwardVestingPeriod1", "presentation": ["http://imetrix.edgar-online.com/role/StockbasedcompensationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Vesting period", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Period", "documentation": "Period 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." } } }, "auth_ref": ["r750"] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeitedInPeriod": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeitedInPeriod", "presentation": ["http://imetrix.edgar-online.com/role/StockbasedcompensationexpenseActivityUnderTheEquityIncentivePlansDetails"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Forfeited (in shares)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Forfeited in Period", "documentation": "The number of equity-based payment instruments, excluding stock (or unit) options, that were forfeited during the reporting period." } } }, "auth_ref": ["r360"] }, 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Such securities primarily consist of treasury bills (short-term maturities - one year or less), treasury notes (intermediate term maturities - two to ten years), and treasury bonds (long-term maturities - ten to thirty years)." } } }, "auth_ref": ["r731", "r746", "r748", "r754", "r1026"] }, "ecd_UndrlygSecurityMktPriceChngPct": { "xbrltype": "pureItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "UndrlygSecurityMktPriceChngPct", "presentation": ["http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Underlying Security Market Price Change", "label": "Underlying Security Market Price Change, Percent" } } }, "auth_ref": ["r868"] }, "twst_UnvestedRestrictedStockUnitsAndPerformanceStockUnitsMember": { "xbrltype": "domainItemType", "nsuri": "http://imetrix.edgar-online.com/20241231", "localname": "UnvestedRestrictedStockUnitsAndPerformanceStockUnitsMember", "presentation": ["http://imetrix.edgar-online.com/role/NetlossprshareAntidilutiveDetails"], "lang": { "en-us": { "role": { "terseLabel": "Unvested restricted stock units and performance stock units", "label": "Unvested Restricted Stock Units And Performance Stock Units [Member]", "documentation": "Unvested Restricted Stock Units And Performance Stock Units" } } }, "auth_ref": [] }, "us-gaap_UseOfEstimates": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "UseOfEstimates", "presentation": ["http://imetrix.edgar-online.com/role/SummaryofsignificantaccountingpoliciesPolicies"], "lang": { "en-us": { "role": { "terseLabel": "Use of estimates", "label": "Use of Estimates, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for the use of estimates in the preparation of financial statements in conformity with generally accepted accounting principles." } } }, "auth_ref": ["r27", "r28", "r29", "r108", "r110", "r111", "r112"] }, "us-gaap_VariableLeaseCost": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "VariableLeaseCost", "crdr": "debit", "presentation": ["http://imetrix.edgar-online.com/role/LeasesComponentsofLeaseExpenseandSupplementalInformationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Variable lease costs", "label":

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56KWNB\WYLB]52KM5V7 MM1CE+3557!!>U%$1?SD X34.IG1RKB6'TI%9*S"<\E>S':.='&-7T>29NBOHI M_O
H71VXN,\#&!;'PW'.M>3#L;H"E8*3X2/M4KO'E2]=%.7OLZ/*DR;N\:L M09=@Y1-@94!S(P\K;]GXM&2L?!XX;E5Z-Z"):6^+Z85>"L(;]]M$A@FGC\O MA/"C,*=.",\;R^#-
R\4%)^\#PUTLTT;%AID?\#<6KF;IS)^)A2-*I<">L'!\$:({93KHB&.2D\9O MMQ$>DZCBF.3P:\F'M]^(349,X,Z3S0W3TP,^R0VC+7"#-?-,9I,M2N!T$.2\ M=H_7HGB!QNHU,#1;
(0P">#X7P"6"1VEV0M>;#O7(-*Z3XZ5.*6.GTL-Q61V7VTB/M&1\3B1A0;3"'"LJ-/!K1"]D_EZ+1(MZ0O9>_BUY,3<@^G]D(9$]QU7B-W30:NZ93:.$+NEQW);'-(?+>*^VXMQGY)'
M+-XLCO(DZ%@?1@PN8!=-NNI8,LGB&/YH$?>%#@G+@@]F MV*N3VB9.2)P+9R&(3P,30A"?/)8U<=9^M(C[#9X!*WE?UB.I3\) 7PR&!8"
M^.2Q'+5>:@H!?/BUY$256'HF6&Y6>H^_^(+/_6DD*IVWV/=?&-U-K\806]O WEB%+6G MT13I4[:4(@;[8,]V,=GGT%QYV,D^RPCJ+N.GNRQV#SMLYIT!$]DB8Y\X5-G@
M.]_3_AX0%V!DS:0'-L128*FS;[Q(02.QQ2&(W+5-O]E!&9B\F8&IM-2"9L M5>SSR5NK+!%C_D;E.N/0S=17+T\I?AI3C\9WP^0WE7P''IXXN!<6?)D0'V#G
M5:5A@&9%,.FY*M"7*4Y=#OLV\'OA-UAJVI2. &P(E?'+1T(-)HM& M$'"5A?E!G=:.EU>0G$7@5L3P'I"\VQR:?#XH!O#%P;G-V'I"E3\-J&729UIE
M_U0^13^_F);U]K<)F;W]B7J^"5M//(YT8=I!XGZU#"3/^NI;W50/ &,K5ET!4'_3%PSQ >.C@ST<0A O.B9 MP+.$H10L2<2S5Y?^X0027SB;Q0T4,^-GU.\P"<%!VFRMT9="<@#"

3C;IE0RUM'$O\[%C/%-\T8Z7J87(3 MD)F+',YXR!\37V*PDW3"\IX"5R*Z'P!=ABU)JN&"D9MTT]6#"0ZKU'E?*L,< M#CFO4)?!61]ZS@1>ZW@T B%NR)7,R=0R^;1L_,9JP(6
6;5BT]:MP*"K9QBG M#/I:\L.T5L(/ZQS(.,#9U4"6K=V,Z,YF$RS[]UZ$V'!]& M.3/$,L GIH^8V$V MV7HQ\AJ?M3&ID=D(^'84)W!GJ([LT2=V3_2FN93!1;/F1($;M;]PIFAYX#A<
MX$N!\D/PXY?,/J.I&@%3,E7 -_P53)G M8GK@'DO^6QIB'K#Q68FNN/Y_#:N M1Y ,\.UZX %ZP-X1B-PC(BEH3QUC!\"\7..S9'!1*C"Q1TR %0@FC3<,T(9A M_B?
(R9=0U'$&BB$(35M@L5!VSCV"U1@K)WK4PZ-'S88> XP,RYDR/. H=^JB MZX0Z*;;#0DF(-B+763,;_@/NB30P82NC637\"_OBN $WD\%\QC",XR)N 1\@ M!]U4?98I0"CPO!V>+
<"SN^"R9[:#'T'B)O 98NH"E,,V M,_BXM"K=@0L.W"AMAD,A70N7KL"9/L4H32@ 4O@ UD<-92B@\"#=WH" M(_L4@3)HG4I3 MX98R4>D>;F"M7'-K-/YBYZA#1'^&.\'P+",/L,
Z#$"C"N M$G,#,*H:!G2)_F=@\I-=QGP1?U&O*K%S7G[!76!:!$SV(Y#9"Y'K5!Y@9OT M7%]@8*<8 *?*'-GFT-0)& .&Z;G!-%1"[& .C_!U,
MS//!Q(MU2R?,,0!//'RUQ]_F/!LZ#1NOS\+3/0//'XC.SDEYT'H:*,4007[MC%7[OHM8X#C$,QW>:9F=9=+)U')F- Q7_J S/!D%I\ZFED#2'FU'ED0'9KW# M_.W:A!AXH. 3SP<[?VSJL?/
:3"P%.(N+,*1% 8UA-^U#2OLT@5FF"6! MIRS #,'N-YYF$/?(BX=BW;8Q6 M)1/F_H9I,U&,BR6975_A]5O@:4R8DY0.SY6KBZSA3,2FKLX:%@G (@$X5&T'
M(DZ1R[?"7+X&$S^$GVWX4&6NY(-\]@OG(F M$Y-EI;(@"BBJNO0'Y.K2)S\HD+3D@$\V"L,G#I"VP2.7L_<(G#EYR0W \P (M/,=923A,=J\D7@QZ+MZ!&15QB(7YV0YFL+G@.++'
WN14FR$G\6L:YU.?625 M,*>-Y3Y;Y(7M?T)FC)DYM0/;B#[&'&CV>I9S766^D3T/Q2XQ8-CB)%MVZMV[MUP'-H5CA6V8+B-*0XR9F>OBX*C$?&M/.85&1YH=__(KN;_2A]-AU/-
Y%.YM?O\? > M8 W82R?_261EQI,K46 8O@:(#WZ,>('TI@55PHR@9 *59V@$0]-OU %^Z MTU"I, #A81+,+0$2M!HQ\6CP0I*.:)JCPL++#T%I0* L;=[MI-
PH\E/XQRUGY+"%^2[P+GHU3(N\MI*ZU$?)Q<]D.;2B83J8-R/9!)&,A#1X M^UK\+JQNRD,.X=.X%2:Q7L:FSN36C!M862&Z)@N[A4?>4MU[56CZ$H'3#6JC"7L5-SL^$PO-
=.EQ3#&-^0,8 MUX%API6/&5FIRSB)E=DOM*4+4]D&.[/(U*.7T5\^H<5]D=FE:,/UL8<^+;\. M5<3;KADH>/CEA?:HRUR#A+TYPB^'E^MPZ2+Y>ZM;[!;2+\EU)>?OS68[UQ.K
M%]5H=;6AEFU1:EWN--Y15;Y>5!+^MU.?=SB)M<16]M"HV2VK.FH4RC>=M6P# M .A!N$%KWPG@%887.9E3L(^],5]RF!X)3U/41D!$48(UG50D].*WLL$FZA> M7-*4*A/A& +?
$3#*#HM'H(L0&/(*8*SAF '1?XQ8358M7+.N4SH&R4="%KSYS=5 M3&F4K#2.D92)-^8G./@7#+0^$XO%S8N6GWE *DMY.\X= '3_^19"N798:D[]
MV7R!M!W!*R.D8M@>&QD\8(PM\(O*%)=G/^@U(>#ZN:$6-XO%?P7ALKQSMJ(MD.DE$EC?-O _UPOJZOM7Q'5G (W?B170BL3#6+]4S%?_T@XF-<-AP3Y\+9 ;
M0(4RPL.XR+"FX90,5.DV9.WGB^6EKA RF_!S9A3EMP\$?YP/?S0.P!\XZE9M M536E51+^*-)B/$H]^SAV7+^&I[GQP^DRV$+'8#D6J(\8(IX #S<+-.1E+[72
M:W2K#0QRO.$N@=\"1 B$*15>DVY^G>2Y8DR#:R3D6)178?ML,Z0.@5=-<". M$C;U#QEK.56R7R/(E0\$#%Q2_TP,)&7_!N5GM8%;Z%9C#P3B-U&GA6)V"8@
MME'MIKA).XOG':5<0]5A^X[+!FD*#;YG419!?P:$GI?"<6:05FTJ'6&*'5YT M;8-(G$#=],KM-8@\>Q/LWJ538AHL2=OVPASX,&]UZ5A"J.Z[*[(0-]<<-7W; M8*/J^.'NAA]\4^DI2K75Z
K3[/#R;0?X[3+\;MUDH$ZC>8%K*% /[(MA*,>&8^/> M(K8/=N]UA)#\CGY#!8M7EJNMEG!I2B!5B\2LAIA5JTU5%L[,>^B[XS//{)%D
ML4DEC+Y]SK"&1=^[\5FCJ&'*MC)MCY1LBY0$,Y^'IL<) M#_5LX(@:5FCJA:5R"10NXT(*Q:U?8;;QC[S XY1L#U0G-&F8W\+&-A%=@"L>;8 MM?#<3*CQO8NW!3JPP./6L?6-XM=-
+'BJMHK3HD%3OW[E;E%$3,FM!?IMU(BLX&E2:Y\^^JG5>K3\E,]:D M>-\5$R=L]Z3M\&3LFHRM!^XY66V6DMUL57KM:G/[#E[O<&W)"AL$,Y1G:SMH MV+ =.
[0K/:7:TK;VJ@MBAL:OLP:LN@%=U%F7P;0ZM?#T>CV#*(CY5QOR5]?2 M4^6JLBYG4V!U3^*R&*QB1DBSJLAKNK)-R"49#B8#$39\F06<=BV+VEV/9E: MSHS2!YRX5@#]MS
G1*FV&ZHX2CV\5"LU6.Q:%45=EPIA%HO*,4JT6!':8NDN.Q=O;:5 M92*1R3P%"O?MY<#K4JOU:VV&D7-X1#)G+6+3AY=@"Q3$E7]'R'&@H;PF6'G0=$M-
[MHTS*@[=QM+1YCCLFBO0\V M%P&O\PQX90\NYS4N&VAG4NOCT11A@YA2NO"9O$KGU3,O M;=/ZI>*[7W+#$$8]6WC*@ZA.>&WX)-)F[+LX,HM-K:&4WLEG,[=Z'XLM@5"
M62O,2U*AGMF*,1N-JO2?[W'U/74? MQ\2E[QH%-[=?T[C;L1F5WA/WSGWT,0K_.[$"NGAE:!#(7$=$I)VUO/E!FA)7>L872E$L<]4^//RV +=?K![_]8<0'E1DZC MJR/SZ4!I@?.FTW,N?
(UU6.#"E7<6SM)+7ZA.)P/JLUMM=M)2;0] ;5OLI)$;S'D7MQGZP_$H[;2HY JV,-F^:!SK!4'* M8)&YL0&*3W0]$6T>MHK7Q1B$Z>;L9XB=UNHS1-'LI"RD(K@@IYK(RP7MLG'!
MN7OI?=@&@]H8$HZUAX5*.IF:/A%3NP[0[&2.C'O Q8U]Q3&1U_[**.3C5-IA# M@>C*L'UJVZG12#UBY#*[8[48M>/'ABAP!]70\F <^]=!BMK#.9N4GZ=W*=-4 M LFTX=_TNH/E>-
Y!SP*.B2$^,"7H/%@^_"VE$5"$*9;UGSN]BLY.JVM:]37D=,PAD[U?&%/8]LC2&[MH52[/:!%[ADERMN.CX>/"S[9DPLI&+CO-=UG_)'I, M/0HD2 -+#]-D$ #3F//XWA@@6/AZ:-
K%UDP55X =6]%!?"9UP00U Y]>IX['3 MS4O6Q\1\II]>3,,?PW;D_UK.-X^(9/$(&<* G_U(V4!>N--&F'L3UPM4?ZJ8%\L?&KN+)/P1K0U<2G[4R! V M>$FL%S+SD+#CY BT& ?
Z*G@MDZV&FPM_0O93E7JK=3*#D[,"R7'9\(E+ M$"74Q;M@.,:0T.Y'+&+LKEG!8C4P%.9 /U@,:>P- @9YN<+TDLC%/;'F&>`$O* M9,6+Z?G29]Q=)/:.H65NM-
PUPGF/LP2K^;RZ"HNCQ[G4@@!'#:I@AN8@[=T MG"CA2:+T82[A/]I8V J!#UJ.H7$NKMPB@MU;9.K1R^@OGPS3FUID=FG:; _L MH4_+[-9,.L>,TOCE!<]BR0;R;>BXAU\.+]?
ATD7RI[9:;V]MU$MR7T/. M]Z95BU*4>J/=+,.BVNM>E>(51!@&HX@>YJXUX9R,1W;OWM9-W);B;G!56Z;Y MRD\@EZDT@?O&GD1!8AB,FZ/B
$E3JAEB.SO%RO'$TM)!_'&!F/1"> 5AE>5 MZ*M.83<@>'F-A@1RF60Y<6+929:88D'SMT\,=-K.6'>/8]"H MC@!'4\B;P=1&_#[P_I7SIF^%KJ%5;V981(J+BMBH:?44BVU
/,K=$NG_*/]W MB^JQ\^ACDY$*3K*13<:]YPD'*N^' T-F^NHZ$_0Y\8U_F/[X*O!@>]2]L74K M0+#T/8_"_S=8;F6^"&>NMT]FVEX !A62+\FZA@P:Z"7=/9M7EP=NVR@0>-
M;C)A\)C8l0BMNZ-)J.O(]HM)#-&T\\LRE%"4_/DC)-SC&?Z:D7*O'(^==+EO M/(U]6>MGH-Y/5'VOL,:1L.Z&H1+/]9@56<;,W6JG790A?02L((3RK2W @W9 M[3A!
4Y0]TVMJ*%IRI_H!XEKCYFI[P&D)OE3/$0N R6Z&$+W0X1 M:^*XZ-O&EP4FKKESD%L&J)6>JE0U,6"B%/*\6-QJ@%NM*G?7=*4X&;%[Z[T,OGP"SSNNP1X!7B/]ZZS/ZOA9:],
MXL1&=+W87SSPB"KQ#Q,YQX*UT'KQ;\6-;>!&I5-MM)M'S8U';+D<3;^.C%3-:K6&KC.)K!?'WOMY_3G+ MR=-+U\O5VR]AM$]H3[=ADET*LTM-
#N5GM:HMAK)R9&)*HIR)N6)'%K!E/M@ MRH3ULD.F[%9ZC5:UFQ+[/A*F/$(;YM2B+S=80D<]/VPC+X(NPLTK1=#EQGX& MJL2#?"X@(SK-
*R05&2R7JHR='1,SIX(O0B>/'SHI3">Q!S*JJ(>-T\>H?%R M:@&8N?$2GAF)E(^]Q!G>2@6.A# @>^O8\[.\--['W,D,402!NGW(\W@ 2A[*6?JQ*ME4Y*H?-G*+B(FS);>[YFET25YL
M5'HM,3^L;+&^W&AL@M:.G)&1!8U'*$Y/S2IEQX(#"@HT&LXH^>1U_Z6\Y^S' MG_D11%8%LSA\B-IZF'8 %FT*/W,Z)C?]X14?/WJNP3 :MK$G=WX=.*!9,.O MNP[+__*EX=
!"F5=M=(_V-$,<,0KF+I/942;F;K.JZ4YGW2C TC+W$=I5I^:F MWLQMJ:WB?5G<&C4?6%,%[)%+F;51OU!HA%[.9VK3(4X)3?)^]]+:2]F_0\=[MGN4GZ"-';#$S?70Q/3YY%E02
CE"P7]J#O4M]24+S!CA0 L;NV0.-)#FY@E\ MJLQH:UR:DXJ/TO5EV8ZH>UR MT/ZS18WJ./+W'R%[G)HI?S4F]@B/Q4#^ MP#_MT3WLRC' Y+@;LE[W28-"K?
1:R3ZAN87]T2Q7,.ZA<@3WR2Y:I:=H25]8 M]-45%G;.N+\/Z+OS3EH#(7&KK,\EWX6T6.]&4B/&O@-L.(N6MC%]6G49S!%Z% M^'M"]/%]/VWC:8', AR7[PD-S'C<+%5.H'|/N]XI&-
#R(TZ?AZA_#XY%S 1 M&Q'G.B*07#+]E2+%%O(H9UB9)S:VU0Q.JIQA97'*(YBS3*<\13)GF)BH'&W6 M\1%:.-*?FD4;Y*8OY\E5I0#Q3YY-?3"OPJ2$ZJX@N#O3YC-?3"OPJ2$ZJX@N#O3YC-?3"
MTVOBV@ &+WK-9R3=N:R4%[*R\[ZW6/ ROG"^25M(M]*3Z\WD++KM=)@0>_F39+]0G8X)[9V9@07U.SZ@,M$>9;V;]:E[6G!BI:&HS+EQIN87Q)SM02BT^/^I3INAR1$C
I55K\C(;%EYLB#6 M+M5K2H+7"Y\,+ K_-M/&J"//H_RO^5D,F'CN/;CD\Y+]FH MN**?'AQ&?+X_O;RX>'EYJ;\.7*ONN*,+59:U"QL.7G*'TGWE"U:TE<=5,CJ1EGX[JIO&-?YC^
M^"KP0'10]\>KN]Y%/Z_$3_F;BVD4JO2:]23E9$2CZP]US+;N]E MV>U*3ZTGHS/1LJN "V]*=9P(;S\/W(N<%-F'!!W9-HU
MKKPOE3<^B$ZQI\$!=#KRT!-2H*YSHF4^!,# DT"; 6Z!1'TZP@FV2+-(HD"P M'U*@4$$\ "TC(@U\#B6O8W)M$8B0I-F]BZ"0^'/O0IRZ2N;P:[<+4-$)F?IHYG
M(B(O&2L!\CZ]F(8_AKW*:)[$G@I!+2\>(0-8'JCJE8^4!2/-95#$_\35(HF; M5),' UUM#IN=84/1=6(H"E4ZS;8B:W!)^2?FIX0/C=V%XAS1VL"EY$>-#&&#
ME\1Z(3,/I7]<6(%2XT!?!:IEHM9P<^%/J.14I=YBJ[(.2\!5+&X4U&+L$L MIR[>!O0R^LNGR-8R;,9X]M"G93YK)H-3 MC,3XV0V4>J:

M"4%|^G3D$@NTH\N""/Z8>A0P3) #YOW:QNH(MG?6/2%-1((S3!XT//A!U8(M6$_L.-IKN\&$U8\=3RFI2]93P+SF7YZ.0U_#-N1D=1B3W%@7\]+1\@.5A#X MJQ^)X0\.7%"W:(;)"/3V,BCB?^)JD:)-JLF#@:XVA\W.L*H.C$4A2J=9EN1 M-;BD_!/K*<*QFZT@RD9T=K I>1'C0QA@Y?$>B$S#TDR!H>):=?B0%\%KPEQ M1W!K"&D--Q?^A#$W5:FW0& ?H2<$T&2,"Z+DEX&V+8$[X+ED-*L11[]*/9^ M6HI,P.43,S^!QZY08K).UJ27!BA[D!:5)GXO)BA?3\Z7/IN/I)L4F(E>..PUW MO9*YEVE(4?= ,>FKOV6"S7>D!W/I=3677E=QZ? 5U+KT>Y\(KN;^,7-JHK 5* M=YFON@<4#D5*70F5^&TS@%7K2OEW6UW2%RCFOQD%++$ (_^C;QCTH;SSFP`_>M#>? ', M=3/@NFNR5D3(2X/ @UUZ7F06A/MZPU=P+?P8?]%\$37E/8&X^,5-7JHK 5* M=YFON@<&#D5*70F5^&TS@%7K2OEW6UW2%RCFOQD%++$ (_^C;QCTH;SSFP' > M#>? ', M=3/@NFNR5D3(2X/ @UUZ7F06A/MZPU=P+?P8?]%\$37E/8&X%V)>H,;?847I M W;ZN>(J_;/T0IC'&$UG7B_>P#0SPN@+:-H75/CPZ%)+ M8UB'09^I!=XYN-AX^.4&4U3QTI?;?OBT!Y^8@N)''!PAYU;2- (1#06G_F!)E M4QLP0 %]/#LQ_-32.EG_D_8G#\P0-!.E&24N)NJPXK9'.@7Z&U""7&X.:##2? M47;)!T&W&EII@$$:FF#11O\2 Q;##:9EZE@T M.#:GR]2"" <*&.!NX#N!&]U:&V W,?:&*7QM6('EJ5]>, f01_*L,IN:?*4GL MX(*=)P&WICUT"5!(H+-^52QZ8TNT%MY"EZ@)80O C;!V:RG!?]P@:!NV$1-H,;LA%@Q'=<+PEA,IU:_M)G*U[Z'G]6= ES#OQ+X..Y<&L&,.8%TL^,2NG7%LAX@!X:L`3]:!LJ6]6)$ M09Y6X<7@X;/N.38(,.9K"T\'FM@,=2)!0WTS$)?)%/ &,.)'(@89V+,Y M< S8MCEP"6'"*L]@R(1,I_Z/S=/_6NNK,UX .&)@O>:N)C(([_47 MW_[/YTMRMA:F&1-K-]7VUH]65 A 08LMEN/6Q1Z7,4J;$NHC3>V1!C78>D) M(2SS D)^(Q;ZO- #O&_PG;2MM2H]#;S9=_8%6.RU\M&912VM7>@VMGCQ9G"\-.MF0)E$ ^@52D'" 1MZ:.V@BDW%]L,_$6KHF"<+F1?_QWD5>-V!Q!TE %M&\E& M 5O3=#)1#B?++&?#]? TKXKH8LOJ=6. *I(".9:8]63[ER6T>F,0ES6?NI/X M&*FB_&(7\%^?DLS<9)KI@*ZN^\L>9F)\(*.#6W5[CZ YZR_7<++U=L^ 4^_M (#I+)'>D'U%?8,X0>W-,Q'"%8>$>$$WP:G "P6,#"YL3WO-XH.-?M+CD A M"SYBHU)JO(D97KQQU+(&55=;K8&%QA@2^@S$1/KP:[]__S%L4@H2VYS$5A3+$]Y+5]1% M@R_^(]?@Y$V3[+Q"GX_G@ 1"N;8>=>.9? @=0D)@YP++]S9Q, #A^.4(LB:3.0:+%SS/@YC1^[D1BUN)P!]8"S;" ME:0#](D"AKN27?#1RB[2>-!.EA"F1W2SX[M&[X340T@2%\T+]JRGJ7SU*]8]Z M\SL?XD.C? 9Z0YE+DA(4'N=@Y4%/ M<&TF?%@&EY6$]^+C/(:_&?DA*304AM'(AD@3O"D@8ML?X9>7[_0B MEC/"(Y_<'ME<1R:7%XZC+%,0 LX4X?X(MX^/\C_A? 9PK=, $*.M<_1\6)0*YBCEPXJ5YKWVI%R\OW"X.2Y!(N]ENF,?O4YU]M#O$W9E"L]#%V\ MC!VT>IT7/"[P@H%G&B8[, !2M"RN/]*CRE Y>U$>,"=S5&C4,B?PI=!LU^. M30E39!.792*Z=.V.RYQM=E=G=7:72-0ZIT2MU2&KW.&I1WU,C< " M4S11+_XF+IZBRAI[JNOPQVI#D.8\8X3EQT:#"C Q 4_90)2#\1(9:7Z*1EA] M\H _VE@9% (;!F>7!7_2V=\O/>9<[@]WNZGR-F+HI9F360B$6F'KV,_O()K, ^I M16:7!LT0S1[ZM/P^%%IODJ09%_++"WE6E[E,"RN3PB^'E^MPZ2+Y>QLNJ$KJ M);F>[_=FLYWKB56+4M2ZW"GEHAKOOFI-75@IR[_2*P,_'9R GB%65I$)FQ MQNX=$'!SHTQ B (SDJ94&?]C7.9.83&/'DF:O (8FQ,1ZFH(XAGW7G!?LPR)(/F*)YM- EB52:LZVJ=BJM_(]\[3\]\NZ35N/^\K<&HID(D56 <-]>L45S+.9M:QP[AFYM1 ML$]OM=7.R2:]43@"\QGD96&8QUS6:B>O@#SK1D(9L?V4.VAW('1H94!*OY^2),WE MK . (58>DU6Z4.X4H/&%V:2QCV<84.7'=Y!?AB&0-J.2]OBVDG\$]D^DB1QPO31R;^E%3E,7.884@P[%&CWDUSHQ8/1:!SSC-LL=9#2$L M# 6RQ[- ;],"R9%%9CI7.H$\&F%]:KI=X\O[+V-3'K W%!+.NL%(;FZ_P)-!Y MC3W/MH-UL"]3\RX4SY3O*LKYO+,8.P MA -@AQ6<,"_,YR_>.*MM:O#?.0<4' M'78IZ.641^.W8BGG? \S0B950+I)V.X.0)10MM2&(1/(<4!92_:(.AE&J8N% M^+,%"#)MG*?2HBK"EW!3X$G3"99> MF2 '3+YDI1RLL\#\0Z8W%^\ "9Y$S%*OTU^\7,,;2EY#SN)5K? C>W^D*0:S ML*ID'2&S>AC@R:B>FM?&5,-Z,&S>@K76#J\G "00W8^ %(@ M2!6F/5]%5#*!U34SGFL>(YOY&R4P^)Q%:CK+5XH# +/3XV!G-_!\[&B-B$4+ MUL2,@GA6UOPCO1@H,+G.X+S$X!B[*=;A@LFOL'P8R9XS(GM@_]HF\#G]$U!' M[0ATYC+-B$HQ\'BJE:G%QLUZE$K8XTM]5]66%7V"<"<6>=K__%SM+'^XW?@M3JJ6I.[4B4< M.*:Y$L?GIPI<$"[(7^LA#(-,&S,ZV?\,4AM?$4HF,+^5,' PMYA8<[F MY2NLDC4J&N0EAQ^4CW.[6$*1B](EA)1PIK(A1:V$PTOTDJ1MD7/ MUC(1:U3XFHE8VU+ED8Z8RGR85R:%%*MVUE$L0!+()BI]XEFRX=MBM5@A78>5 M]%, 7M"NK@0Q;?P%ICU%,+%=GDX$#XB+>.R%ZE8R M)!=^>WC3=>A#?3$],@*;?<1E MXJ)CIQ=Y3\Q,B^1X3)1&7EPW8R96&5M?[#MX:F_5Q%1#ZLL=A/;+S#4F"&?0RL1OI,%JP'JF4:=JU;MF)Y MQC^OAF3."5S#!J'$C9V!>LFYR7_U(.?EM<[D0%.@W M,>_&9:8R%LUSOEY1,\[RZ&=PDEX[N.%HI'5OBR_+A*H#2EQ6*V_9*5RD,//M*T2LDUZTLL!(5+(@<G,4.*E_K"@$)I)((IFF,AS:SQO-)++,U<&]W\C1P6E,O M>.@MV2:<]1)>M(Q-M]!H&PWWD@#YA=]W^^A@]@.UU%XV#417"&Z=C BX\V$_NLZE'1F?447?>_19>`M.L60\E+G^'F'$>E#Y7/TILK'NE2.?K5YZ_E#^!ZW--BN94:"5_K8EJ1O&_-8 M*Q,D*1R4TLJ_E=+*OW24'C6D>%NO[+%.A^S0B7?G?@/GRYSD(HIM1;%M^Q25H^GI2$>*\;WHC9X 8LCK T^2#I*(VY0\(9D$9 *74JKWLRPEA3' M&\%JD=HJ*@?,]L=HJ1W0Q4ZCX'EYNXVZE"MDY.[145WI63YNAG9=U*7N&^ MF^GD^PN^=C/%7C')XIW\?=XOVX LA5K/KU(K(IE^-9\(M^#;R3T8NC<9\\&$&IFNP67DF? 9M:<-^OJE@N/+(B8VVQ33(ZR6HZ-2CM& M0]92+VG+-0BQP8+1$=K68_!R2*SPW)AOHJ4H62M+HZ&3KIY!4[*WC%;1E7 MG&SH%:UX>?)==5$Z%69R\:0CDBS9T]_:A/..X5*8=K/(F,)Y"IA,-A]+478B MOUF,"]TNDO7"[+!P>@+F;K+**@8>VYD3;8R,,=TMD9S'8;Q*=GCP7V]H\H?G M93OAM\;$P2AQ+Y9PNZC2A2V'- <.:06>#3AP]7O6OZJOS]*?7BS@O1&6;--% MC@6<$,.$L.]>^\5*I^8+32-PD-Z=>M)L6#,FT%F@:2%MHL(S-LC7?Z'6\US" M<4\#3SZ=E4#,"KO,#'"XO(;/41T@ P?Q@\3$[7ASYJ4BR7EQ)+99S@$O9P3R1C3K87]MP68TOB S#F9L9#3#L#-@ MJ;X+UJ1$FKO)JO$5M59Q;/#Z&S/3G21T>&]**5@$.&J>]\D+'UW*.T+QG\[@M2%_CQ N=FAWXY[FOU!FY9#I&0N^]E'@K$DO.J95PA\N(XGD2^)F8%5Z8K8Q"!5Z3?Z M:NH. (]=')X#/AR_X)%W_=MU?>LMUX#I3R@7/;Z9AP.*OB>?SY/#^D#_%_G[?MOUIZ\G\3 #%\2C=.M-)?W2@1>U]E4L,H(MP2")Z&'NRACFSI@ED7L]^B2*7@GO81SS)AY*=]D? 9K)3K%RRBE5.RANBWR4 M\I%:0I2EK'L ^,]!I.V/#/;+T60QEB,P ,8-!:/(#?T^EG:UU'XW1&@QA6< MZIW$ /J'FOX9)>/YK5WHW:$,D5]5Y9LKR: ME26/)+=W\LN\))@LH@T"-(XJ5?_ZC<@$0) 28 $"@#.GFFU1%R9<67<(8=G MG ,8UR-V6B!U)KW\5@9:54GD38__T(RI63*:E:.KLWB>[]^WO(:?WCL[M_)FWL/W#GK%WZ];I M&:&4WWYM%5HB9GY_C'FWYU,[Q94<-U9':N8KW5938>/"<16-B')&[MJ&O5.F#M2Q/4ZTH3-$>3%BYJ?#"ALKTGK\Q=E+F+,G=1YBYV$W0R=[%Q65#2 MSO^\V<=?IC#*C*D+/+0 9#TYKU&@%3I0\4<=$J=,2494C)D'0QYH*72)1C2Z-UK M$V6D#SO-D*WKDB+$P7.8Z&/-]Y+^0?>UR@\JENB]Y)HWP+G>,.10(HS9);VK2W"W*+947+ MR*$AF_$T_=_3+/U?]-W^Q(!S6'&+%FW0NQ_4I?9*#I$0__RG!(I["9 MVU_9[.Y?S/>*,&>8^FDD^TCVN3:V6:/)B-55L-&7 TS<;!**[CD%GPG(MH=_M%'I0ZG:@5#"S;\Z7>PP(KD? D'/#EGMT '-=E !Z!QH:2NR0S2F8\!S,>;U]. MZK O)0-*!I0,6*OYJ]NUF;^2.R5WWAAWUF4=ZUI=UO&%F/ 6.X=(-3G MC0GYR'1RQY/%PY>,(0U_)2O?? @*9[+R0!7.0$M8KFV]*N!>4@9%2\'U!R4M0>/+74\2TYD)8XI$!= M6!&\;9K$511QH^XXDF2TEI"<9+2S,AJ:OE48S92,)AGM1AGM&)U1F$ /[@P, MHM@>]JQ##KJB0]Y.6-@JZL ?Y%OP-Q(F3AJN;R)7^N5JA,_5"[7P.0AW50H5 MC[/8"#97EG'#WKT^TA5]DI_/>I(3[W1%^%\]_!%?<]H1IPHN?OJD%^]E1&- MG]DJS,YH5.6,QE*_7__D0;FHLHN2,QH/[.V:9M#)&8UR1],*'> TUT=334WKT^5,S:N"--'24+2A:478(E-4MJEM0LJ;GCU-Q^ M]4CKF'IT"PFZ>#-LR>TERB^26C!'6\9[S3- O:I:\]'@4.P5$4=MV70\BWXIN0,S':(E&- -<#TBYX"O _P6 MH*G690$>@<9V-RR3S"B9\3(&IJG58F!*#10<*#FP5OO5U.403_F=DCN/X\ZZ-MS&/3],L\OA 3WD(ROAR"V0V)=.L#C0\(JKJ&8)IF5P8820Z3'%:OMWQXP2F8 MYD .YY.<)CGM_&,PS:'D-,EI-\HQVB--8S!-$==T2)O)S(LQV"V !5RFL[Y MA-]%QV":8QRLU+&ZLE2KFYS)&4+8DK$E8TO&;F=D M?*#*.9B2Z273-ZNYGWT.YD 32OM$KSE!M.5S,#=_X3=>F%;4$=#*&Y#?.#]O MP>"\ /F/8[3=GB7EXW$,!? S$4\LC'_6Q,/N*7Q=@?PB=O MPH70(U[D[\B%)_,9\3U0@)T]N@3C\W<6_O\,].@@Z?>\TS%5[(#"@0]^\S MRWMT80T$?[5)\-K/#&)1;(-E#0GN!M&M]*G+CX7&4F,Q]. KBY (C(?/3EG D-M@*U/_GUCHNR6K.V51HK<^ONO-#[.@WS%W4IR^X*-ZBZ=Q)L2,N3J< M^9"'YVN@>',RMUWJ6L#@P/X!0$VP_Y0&P#">RQ]8=Z3'0 L^$3.A\^7M%9* [4R;XV]\98<@QZP2V^6HYI1#?EVC.CCS(O+8=&H[F(CU'=S)OH*4X[_\GM@)%FW \PH0#2]8>D%(Z.R)NB%]9%X4LWD MX2++>G7Y[_5YX#[R9']:.B_ATK.U.6?C,F)N\8T7O) (9/(27%-)1A/S*#(V4- M&U!S/&:;/)_M8 % HEDP+6SF4]];O)#GA6TM "2@^?AX%VP2>.!'6!7!8T]_V M$F4T?BH*.&%[4T#;$Q_\:KNK*;B+VTW=V?DYN]!7N!^^*+Q1%FO]$^0L6"Y M]HSZ,\!8/GVE+,6'C@.>V(.YY/X11RC2_I"^(P"<>[&P,B\M?0\6_6<\]0B MR[W'O1*M21:+K=_BCQ4.3C!!YO0+1PN'A,D'T ,(Z12G0;1.@2$C< ?@#@5R M72_!'<*/" !P%%@_!J;B/0>I@ V=O +UJ.7(W NW=RX<3TB5<.9MG&&;EDX4 MVF@]OT:E#9BU<^Z^(I>=7W>=K#&S0[%$C6($]9>-5BI:G@R(:5>T 9#8_ M?BTOPCFRJ%BD- IAO!W^B#+.#YK'C4;[ER@2KM^K!N!9)V?_P% M$5M@!:D%][*1-](:<1?$D$9R*78+'*G+B&YC! @]!0ML(PC%"L7CS'&\YR"O MV!WP" _5>10$ZXQ@(=#5P%[E?SEQZ01G^WR7? &^?MRDZ<$]YQ/C(-Q^<=X M/KRJH[@'&Z*&,\WOB+^\]?*V\:?)-[GJME!X P+$E!'4C:"T(V1>1NBA M=9>)7@B;!0L\%=O8:VP_Y0&P#">RQ]8=Z3'0 L^$3.A\^7M%9*[4R;XV]\98<@QZP2V^6HYI1#?EVC.CCS(O+8=&H[F(CU'=S)OH*4X[_\GM@)%FW \PH0#2]8>D%(Z.R)NB%]9%X4LWD MX2++>G7Y[_5YX#[R9']:.B_ATK.U.6?C,F)N\8T7O) (9/(27%-)1A/S*#(V4- M&U!S/&:;/)_M8 % HEDP+6SF4]];O)#GA6TM "2@^?AX%VP2>.!'6!7!8T]_V M$F4T?BH*.&%[4T#;$Q_\:KNK*;B+VTW=V?DYN]!7N!^^*+Q1%FO]$^0L6"Y M]HSZ,\!8/GVE+,6'C@.>V(.YY/X11RC2_I"^(P"<>[&P,B\M?0\6_6<\]0B MR[W'O1*M21:+K=_BCQ4.3C!!YO0+1PN'A,D'T ,(Z12G0;1.@2$C< ?@#@5R M72_!'<*/" !P%%@_!J;B/0>I@ V=O +UJ.7(W NW=RX<3TB5<.9MG&&;EDX4 MVF@]OT:E#9BU<^Z^(I>=7W>=K#&S0[%$C6(%

*4K5*T)J+U?4P6+S$)59:M$QY)5ZOFTTG9>ACI'SS7-M:IEXO68ANJV39F"N$)>%*%6M34%[FB3=FUMV/6*V_#9O70:O&;Z)&!YA6O-(*

M&8R'IXQ]VH.:,,PUTVNNI/#DFF@+V5QI&/OSO#C?TJ""&.=+R@=+U[F#+IRQ'<1T_BFL@1W&E MX)"CN)S/3=V5)<$LFXC8S;R+A-)2"DN@_CIPXR4F&;3:]-\XJ0BS|%!)*

MR(I:.HL73T9RRA-0(^HI;O$3PQ0N5$+A$ 1=-Q'I &_\ M\LR<)_8KS|BOS#M87V.HXW$^.'JMR0= TJ.+Z,220(% 4:[_>?8]TZ79NQ\K MQBC?J;86';YCI#J6(KCE%(Y%3Y5I?(

*T;IY(XOTZ8D4O95%V?'O;N MA\10S3=ROCG9^V7!?,,/]\5('7X[0>=W)7*BK_XOW$2!/V[-%1BC">CHW(;VC.;J8//"R+U M%1;$1]%H=LFMPE >A>?HI'0*2_WN8FTK&@ O0|/-7"VY)6.*_*C;/1'=OCA1] M?&A S`B3R+0\ *V&\G'W75Ul_'94K7ED7S;1_(.85%5*(Q54)-U9:@=EUPH M#^"3#^#J:U<6&=2/T#\M1>$.Q+WQT9G^L=8WG(%!@QO C6/!6#2[A ;Q 29+CM@:*>M M=<@SVTS+SW?(V[O?3F0,C[2^-M+,F#%<|>,[?C?587V+,NM(8RX96RN\;=+-_MC. ONQ8>]>4R9Z77,#6S G2%)/60E!.O7@-MN'!E<+HZ5!/UW$+H] _^#S:*

[H[J^HA39;#6<&US83]V@IX1{@CYGMSE^J7(M0.MA6 MO[SZW_@&%)\'3@T#3IP1+HG$\X$C;X#98HO5]%ODOO% TX2[,$AST M]>TV-0*U$HVUH#$W9>@,>.3M!-

>CAO;@19TR)P(2I+\B(IC+FH26#>{(E3I M/\:BP(D^9?!0+0%9B1O>@CI!'CI37C;4S7A3D_I?X)!W/H>$U>02^11TMH!B/?

*M2@H^^P4/SD_"FB3A=B1*UYYTO9GXT<9,B^RL(F+18$'FCO>\D4^1F;N3-$4L M[GLH,R=DYH3,G)"9$^=II7=M(7Z9'7&EV1%M,^;YO L\V=/VQ_'H1|O/Y*/T*

*MEG"L1[Z8U5ER$L:A-G4R$+Q7Y;W10/!^"ZSZ)/)-\RNIF:X:,YCH//5"[4HP M6'*Y[^K\CW JT4E]"+)K.#)-73<& MO8-NALD%U(^\SH9>ADF?5*MC>>TMEW;*

*(;>O!G;WF<'UDK@4J"'$0(\5:@=.:0=/&08_\) M&UIXWHQ3*KH/Y_0)9|TZ2ES(Q((1_%#3,2/H/R4'0EE]@=@MV0)R8X% M[624,V1=EV>>/.F/'C!. PDKN,#R#=*0;BGZB+P>*

*5L[WZVM+_]&8@Z M&QR,0L+UG@E]IC9G!+SVSVCVR/XMX/[8 -Z^B_)W.!';8EN_@1<[*6-TAU7= MS#8.V=7KX6[Z(#D0:%:U!L2D.]NRI3\OHB6UD)}?@-;?@X[N(>,FIC-:S=HK*

*MW>]VLZ:.X[O?/SPHFX8P4L#OH/SCVU#>|FOC5^C'Z%/B\T3&)GX#>NXS3}^*_MR7X&9P4<;_ZVRB\$KTL8D+GWPMB6;,N%L<3|\$VS+]X]N*6Z/HKT035%,A<(8*

MPA<%P$>%!L\NRPUE%6-_!L*DL8!?P!S?."(WK/C$P(A|:>FF?& 4X)ZY[RUW M'T@[%B',D6U6C;4 -+;M]0=S$"+< A M?STDD|:>1<('@"+!)>'T/-(.K>)8@-M2%^T-

IC@C0U&@^AEK[CQ5RRM,]RO>&59:SD?@E;JH[@Q&#?O^8$1CXG&GJ8&;NW\3 M^0F]A[D\N)W#M$$$9%T @J,7%!W>H#U%L'ADZS0=->%(>U/MF)-OJH0[A_O#

*MG9_$!]_"AJ'XPC?^88>+UR#,0>OQWR4*V .H& #_LR_T:QKN'*[)8-B[_ OY M8"=HM8Z3B+]*RQY=9-FCWKV^+BW*+5M!F;6"XP6DF?,"XO,8O,?B-?*M!<\M*

*M!@3Z8*0ESK4=2.?6@;U,[NH?\^DM2DN6,"OS_=.(D",?8>D^2V!$:(U>T\1 MZK"\;P_J0(/=.]@>Z#%5?^)K:H(O.)X9G&&H_4^I0UUNK0%U%2.I$F! N.P' MS8,P%8-*

/Z1H^L##M^)!'PZ1WK_;S8Q".$0_R QJ[UPH]XPGSQKOOM-*_I2%F>G 'I7NYH Y#?Q_<+VOW/I*%Q=_8OY7@HB=0TBK6+,F':@,/WT%>F]*

*M^[7P*1B%L_5#/Z[EY9M2U[%S#;56ZUQ:59T+#BHXK^!TVJ-D#50CIV3!;WDE M2[R.A/3KH1R/1M0I?;=:),8##&TCC^WC6_14!SS(?_F^]\0]!"+1P,YL=/.,*

*MBP(6NSE<^(*SCND3-I\+(8./B6)9NEHYMJC[X8]8(3Z"=<5WH7P12V&3\Z;9@LOT_>QG;LJ:HBFHT^_M/K4")6/Z@,)]"F!_BPZT_[$7 80*1+T)@KZ_)20XX^B T=EA:4-]B]MZPRZ*

MF# ;M5]8Z56%V6>,JL9!V9__8N1 ##ME6S# LDV+$YG2]*VQV2OB9!6Q>X\[(H_^^9E;"_&2;=B@!P\]\[$<O?Q.H#P! ME>X5BQEH\|#F&5\3!\X$75'^?_@<'+$;SAL=[5PH^4$CL

N44P EO&/K@P MX9%,4AV2U(<<(8B252?P-K8L+!E,9GNR9PP,_3XO0$H^=SG$?X3G^)A&#AD M21.UG30)#V!$$#@4G7Y3X?6<>M3G09+4ZWJRLZT.03I26RU(C;I"=TR/\Y1

*M+L#IQ]$9V\38;BK@A/83FO-)CG]!>)T4B-=)7KQR2KX3WFXK\[WC1.VD(%$8 M?^U&HC!*ZUWP2-KSGS"_X+.U8+/(_<3^'/\ M4Y)UBR+<]@09Y)&NJ443$)HY]KX4:,,_!*

>BF.0X>J,BNN.OEY0YW)L$D58<9@&K)D\DP0IH6^)/-DMY75>-WG>@+,,##Z MICEH60F^A?TMO4%K(LZV$&AO4TY9+,,"\&OH5W-I%2MGI0/8^:.7HC+,QXO59 M^B8F5]

"RL.9K M3NF3?10D#UXA#X[KX<$\F^F]^PFJ4!UFLM9K*%U2-#ZQ@%'?6HC]=M V'&^% M'J#Z[(^N].0^@DLGC9R4!NCRRLB8%.2.2)P=PIFN-H(SWV+IA(<=4669<$ MX6?

F.+P4[9&YO.>%SG,,%\F"'Y>=2\G&YR%(P\,$SH31PYZ]V-%-?/VAL3R M6;"L-X+E8>]^].B#ZY2[71*O7[R0%Z26C/Y6TV VW,5).X8BB^2&;.J;@7%%*

*MLJ@1280SR31E,LGG:NVWO>M%8WU6N.1#R8=G'0-X)CX<TU71K)IDNRZ=+|_+?=2,!Z81*HT50Z(M+T@YLIJN:PNLX2! !!?DONQH, ^D5;XRU)GVP@*

M%O8U:6@4YZ1RQ<'U6$QJA8\'5>MPTASC#Y\[Q+!>;0UQGMN,;5>"AWA17! 4 MY!$?)(]K!2]XAY ZYZ)8N1W M+NA

$2^5^X@MTfXLJ/M1E)&F)/$AGI%;S5^C]V@7.!GF4Y9D2JQ.QSN/HW)7 M&?<6%^D-,'6E.A?\&1Z P?36SB7>+UX00VT#MJZH?>U?$>G=E;!53Y"\TRO

M'K6QL<|BK@ZVC;+OKW#,,.O+,A"<];)+D>)>:-W;X[ZQ@%-J:9D:$P3$5#J42)T!")4ZX_S!',.3;35HK/(M(9[MBR+|X0WY!0XD'|;7'S[&2K)A@4HK_>'2'W[I VK027_X!(ZG4=_L2A7|

MCOS:BH-W'[>2=!MKRIR ZMUW-8/-+8NU1DRI2Y.C $QTM0&!SP MOUFXIAM9T!K;4'OW$VW?! E,=.-U49&,SGW?2I/$1,9LYB, ![+.:/^G^F$%K

*MWJ_885O<,,W,D)\1G(5%*G>3FD0+1MQ ?OSWU %O1 $A?4!JF?\$]ZGY=O] MSB(?V\BOH8S1K74#\B3-C?>.CT<%"A@79W'$N88[D@/7.85[\PG%S1PI*^C ML_8fDKI93.f\C?*

*9=7%(C9#^GKOWASO:0M?D%[;A(2JF%S[VYH(2F377C]I MJK@)2AL=TA]%.)+(@B87XHD[Y1%J0/>PKLR*LVA M8Y/Y@+!&@>@:4$QO+H(@DY MM18V>TK;S2XC)*

[17#N.,F_014V!%/%E6S(0^%O%W^G4=C#K=\EP+3SC-9EO M4;JG=KT(TDLAB)SGX^6H@R"0$F<#"6)P7?PR/P;]PR$@\|<@2[M?:/.>]CR9X]WQ%\/[_/>^NP;.F9#[?

BQ)L$K&,EB6.TV%M M.C+_XQ\")^+H+#XLN1!8"V8#QQ?F#LM84O#IDTOZM>1F1DUOOHQ2CW]RUF4 H M* F]BGSX1$"N:4@1(U]F:"HV#6-MP++)7?#0$4|5-

*I6,Z[S2^+;?7G$82SDCF M\A90KAB(8 %L>124.%F!4Y,8+B!X8";H&O[!'%CZF!#LEL+'*8 3X(SA -!T M>'(%3D]VP!^?YU8=PXSW 091)88Q.K]BUJ4EK-H6>>;-H6S%6Q0[P7^*4*

*MCD X_JG.HHH'8;DBE)*ISC%%[^OP?+(LJK:#54TU4K9"L"_5! MQJBOCJ[UM]_3*%\;U.HW^B/OF;+%L7K@_8O2M8'W4*>P/:K ^J//-S665 MT/D!+1+1J*

5(R&@=;8[8V*FI@5Q=%&^3)[3{J>BH1W6A4=#\#[8N*;G)15Z*B MQJ1WKX,F7+4_F:P2DE5"G6';7>?>@9: ;;T2,GEQK#XY]KVI))7C);S6V2HA M4^-50N.!K!*254*G,$[E%/?*

*FA.S!*B%3QX3ENO+:;Y$:NB5&3Z\2,K'8TNR/ M#PSAN"4E558)7;$(+5,E9)[]^TD^%"F+A*Y3B)Y8)&0.<"1!?UQWG>6-^,ME M5+W 8'9I]TUEUN#K&(2!T>X+W:]>!*

(1_H>FKI^%_J^S7>4G?8>9WH7G>?F MB)<4#?/FP,G._T"M:YBHFR#X):VASY4+W2@B";86453O?1B2_!?LLJHC!? MUV&8X]f]<-C?5>F6U"%MY'(G^,];Z:0I$EM%RFJ:*

*(,P1$[9F_G,7*H%8@Z?!A\A MQ.?'A=/F)WUC601.E!<,/6ES;N3>L9]#/]3D=&^18WUXDL-+LKL:V9=D!H, M:Y]*@HO:OS|98' +,?:RP'!K';.OS+?*

L("EC+]XLN&'X^&O):1<5:CQOT:KC MA>#.7Y+ON-U]JVSTV/CHLT=T.=@^%IL-P-;C?@898]N"U.6KK=X=S6NU7OH%U%+]U7]O<>#PDICD!TOIUS8V!74'$TQ!T

M'RN>I"WD9(F>VM%S(U7"'-")##!?A7)1W :";1N10;3]$2IMNAW+0X,$2_ ,MYJ&E^'K24[!=4$&R=GE-90\AM|C+(S65TS25A;JU%,F0(JCOIGW2THYVA MWKO7!WVC8-*

32?)/DM)),>9.1)B'V,.HKTYJB3 ?13=G/$?;I*U4C#I7VWPG MV*24VG\YO>%*7!_'#AG*6]1VF?H&X\A';G,1$,S.:@G=9?27ZTPQ'-5I)\K"0 MAT4+K,)Z>&S3*M0JZXGCNLS"9H^-*

*1WBB=@R#D7,LT;W\|#8!?@\L^U'6*G_M94'=5/HAYMGLBX=N@8S;IQS59=1>G+ZB*B ;\AW(Q$81?L'M2|\-*VTPQYW% MWT?*

*20U0348KCN1RD*1^,T]GM8!U.7,.3*=M!P.TX?@6@GX&TR138W5K8[G> MPL>$PS4[(.RO"% ")0& ^]M&GRWZULIP.E&S][C8F"6<1+D3(;Y%O+0"HY#>'- MNKG2K0I5[-:"S2*'?*

*9P7&TY9D87GISB&R!:BM_X\/4O\(&?'+AQ33<@N!A0 MTPH)W([84$5C P 2BD27>T*0VM94F^'N?PLV-1CN $&M 9$26S8+2?,A/ 8 M.8@1\EWOY\^__=;?K<<#[B:JR<9F?*

*S*L:SCZ8#"]JYI,'>\OM[JB='FG)@5[OT.37_"3C MA]\KND(M0Y# I_A0 R7Z;80#F=[%!UN118P!<.W V((N",F2&'B8"963.HF" M0".0FCZ:'A>1F9TGRG.U!1EYCUK":VU_9[.Y?*

*S/>*F&.2SE/IQCR+KBM1 M)R9@E%65-AI*%2I%MZPT'>@T5H?2-%%[]^-AWE.6/W7R/OR-F%P'?/]#& -% M38+4":BH]V^.Z+"C$/2:A&P@O3477_F2_:_.!*

<3P+PPC%PO=G\>$"]_M$ M0T=RODLPB3WOW)NS#F#TR1';-Y1U?Z)M7Q."!3]1"1JFNL/G7!4##2 M5 ,N:?^#-82'G+R3"S2SR_LCD',TLW\@M)(+K% ?(_]!DCF3=[E.#(%_@"R;

M/83Q,_BF34?L@#Z?!A\A MQ.?'A=/F)WUC601.E!<,/6ES;N3>L9]#/]3D=&^18WUXDL-+LKL:V9=D!H, M:Y]@HO:OS|98' +,?:RP'!K';.OS+?*

*{WA\IH M+V+^)-E&==GP2+P?$YW%*R_@IM@K'I*UG|C:1_QM;^.I1!E9 M/I*GH'+ XG<^DO,G-]!>>9O@2H MI67%#LB<+ !W[7U3/!FXT/@G5-ETK3]LI/WFX%NA"*

<)1XOFPVP]#+^^P_TO@CGNT6-OD<0H=!J)%(SP?]/ ME0.UPTE?'145J!FJ@IH"-1-UTL)%;0<_7F"@)0@&\%;+6GJ=Q*/M7Q]K>>'-MZR'KV(@_\N@K $?KBR3XOG<5272CXD&H-*

*"?-O0]-?"W;1<;T:,]U_*6[#T0 M1=7"[GFZVH*F)\YWVM.MJK#2*?7FTE2;=<6*I'JX"*D.NS=E.BJN.&2;7U M1UVEN'LGS\ WS/66MBN5.ZG<79=RE^M!V<7!E@.8!MQV*

>C0OE8CI/^,A4 MQ!KRKK;JJI,$PS@P*=(^*I=,9X@.^,!VI.3(IMM MMEX,2NT6ZWM-XIT=BK;Z$^VPC NSG_+YBF.43Z&^8@G3$G7TI)9! M1^;,/L 'N++)G/!/S(!*

[19\/-7RXEF;/;6]Y:OURFO^73A7&KP4!VTJZ7$ MRL.L09LZS@M)-IIVD1!>'M&_A/&&&+?9 X,%PF_U+$B)TWXW9W22Z,,HE& M903,]@G0.*

{/@K5]DS,B"/N%UYH)NO08WIUJQ+O#=V$_"Y>[H>:|G>D?,3'Z MYM@\(I-1'=4UEG>H5\;@H3[_Y!5GSQX_F'3$ MD[H+T]@GSU7YM@6WI/*

*$=F0,NU1ICV>. ^VQ;1UNFK#'XFX(033] M)^I0H4<|\T<6, #NB@H:!N&PKNOCR]WCK*NGOE>74UH5@]37&6#3S0,SL1//C M80D #RL',X8X%F.D'6@|*

*{NGD@G2BMY%.1B"@%;W0VUI>9#?O7#A31*R#0R!_ MCSO:8N?(T+=Y[U/12A()-.'AK^S!DKW6Y(#(Z^.] ST_FN'[<>_>5(;C_") M20?GHH,##?.:H8-)[IY0QGH^4?*

*M6FY1EU'*6M-85?!"[Q?"X\'QB|<38\;V = U2[O.J@L\H$'+1@++EO%'96. MVXBZH.&(&L4<'6 ?24AM(J3+'"@5"CM M.'6OG5W<<<"Z'-*

JC;Q>TUALBGO'1$\MT>GUC!Y;C!5!1WH.6;XD&O^5;HKVW MDYDJFY.22 4P%LISGD#2[C\Q.!=Y&#;HK'^1N+++^P;GJ VUJ.K=?W3)1ROT M,&ZH%X[P85^!R3A@X,=/W@MU*

%CIV(Z'1Y]Q9!G.UR0__OQUP?RW>^?OR?O MWF[FW_7XO^.':>M_WR>]I@\;=;U\(]BD<4/-D8Q+(EV<[",E/MA=8-D-W$ K M6LUlV")9B4;_U5M?FJ/BUI=|OE!'"#9V-.74|

*<7[3#%/1W0U_21HXH/G@ACR M65FQ,EQ3Z8#S0[[YZ<9\'*E[R1(,%_B_[''M_"^D^S5;BXCX=5,4QC65!GGC3# MBVDW3;K!OIL,K$.7<<=^:GX!80];<0:1PPNK>,:-!8<(M46:S-*

*2;8<9.8.'X MQ?^:3V5B!2EY0$8G!50&B"O(!.6?B,.3996L*GT'EG1.(X)\ 2$0T(O0' MCR8_9UZ=1^.1^ 1A&(XB !M..,V9&\"1^1E**5YVY/NTF7+<8]J M\07$,+* M?#*

*50"(CYBBY/DO"I#6$W.\%:=-_#Y&P7#$7A85098M*NQSDTV! MAWBNH3V'5<#78C&$5]KND^<\"2ZE0>XISWWT]#9O"JH"%9&](+(6>&^^6(!3*

M$*U6GA_RYP%"S,_V700&W@_I/DX-P]=N+!NN5HX="Y?'R)YE1@8]?\Y-S)&] MD#=L"D*\OQ3[U\WBVPMXOUO,/RS%_#COB#C[CJG*;60YX4-&$RG@"T!<7Q$

M8!0D_75%2A0#!O\#AO;,G^13[ZP>X])$7ZSE^)K0)8>5>8D=TJ2^2%BK3ON M@_@/2 3*P;BTPQC*V<-(T.Z4.B+.+>'1!$3Q)EO MK@,4\'V5V*

F(BY[!Q^LH,$"Z;XI6NA[DAL>^K.T9[6]Y-WK 7:4VQGX@72L MWWF[@CR+] >?#> $\^&A]WB"$(/,]>V3)YS%"DL$\R80$M$&9%I")]<|PAF9!2U]?$3XA"FA""O[*

*!$6#)GB2T.K+IX4%EFQ/5" MWCD/WMRI V)4YH#@"/ 9O!K$ONLA17!U/4<.>-;SK.?T%)T=T6Q^B\,/,&=W M"H1\;EA#(N)_D?C_9&/G!"2ZNKNQN"NL$SO*O8 M-*

*K*RKYFQN86_I_>Q$)%KQ.!EA26%KK+OQ[(.-%?C7HP-'^R/#L$]JJ,'AI M!(_Q4>98JA^(OW"?-]>LUQ\(0O@AUMCY%X3J#4=]4D*$BI1(4(7?F1.P9SPG MA>H*2_ZOB/HAFM?*

*D$^-V+:SU+9S/1%/O_HN_$W?IX\+GB>V+%OT$Y&+/X

*[Z9<%YUJS-O>!,YV';KN4S#CO=_),$'OEF/.Z/"'S2L3YW.D@40@/@S^6*-M^G /OF^D!0=`O_H$\1\!LDKX2U+2";BV.4D3.,JSN<,0ZR-GL,%WO3AE_P-M<1-3Z>U~=],^GJZ$D3=^OZM5,Z-IX;]!R=.YKZ**P!>S>X=-J6KW_;)Q3.1B^?4OO:"$->4JUL^91"O$#.=R#8V-MC;YFUI79.QC4--A1[ZOCJA^7BVK5HO;_2HYTK)(ABK)G9V;/E:8%7&X4Hf|9AMHK0E4^1<0QAWI/9FP%5Q?N!-@^OU@KJ/I9K>28-5%"G+F.<>_?KR[2IV$-;U-M-[K8M_EV^!W,@3(>G=X+!.+]8:.*YA23=]R==71D81W8FEZ3;$B3>)ND:BF&<-M/F:P?92[=@-<9$>A-K:*:D,_H5MH9OZ+[P48(/"F=EAF&'RE1K]5-'5M4$8<<"3B5)OP%(RA8^1-M&5N_>)6K-L&B;)<$!3I 6_\2-S OJZ8*!);O}'ZQO08G;8"_I6_.6[5=1$'M.\=S'-M.\=-A#0 #[&R6VBY@)]EL0?(X @S?,;>_LEF,GBGC37T!K'1&/) T '$'-M=@M_21Z#?;)\=G],*RGR22$B!3_,"$<8S&!CCL<[&RZWVG*:*+G#*]..4^V-YP]_-SX%G5>=<.UPM$-2@C[IX M(-]!'W4;"DF#1GHVS%%#T$@W^MJ!0:-UO"8;-(K#$IOAG)TXB>%BHN=\Y04V MAG=>^Z4N 8C%+T$#-60#NVOLFX1NXT/@GE!- 6L.&6$$(M'B 4S^>!05<@T)B/=\%R:&O60HOYO_1^YO-#'4ZM?3!?#"->FYIET9FF,6T\ M&&FJ 9>T_|%Z]U!X,,F;D]?P01RI^>_T/LBG+=1,GE1&-@S1N#O)}!MBFZTN55!.Z,= M@+Q$:[+B,.1G!DO%7EG8QK9;Q2NDY+[7KP5#11C)>*4FW@Z1[-M3&L!2;KM0N)MDJ[L>725,3?ER1K]5 '5#8L%P9&+D^=[]*M;8BD^K/0FF4,1'KCJGKC]%OW(G;@+LJ^CT,M@G93L:EH^NE47+\#4M*RI.7[O3]CM5WE/S(^4@=:=:U=6&U-<*3ESI6JFGCL MMS[5EZ(70[$SQ&[N(O;S2*+K!>7?_S;6-?W'OYK/Z*N MHJ?\QVS@6+:&KB9+AI/*>EW'M/$N8L6HKFU+K)P?*]4;6TBLG/T(UV1U"L85 MF9\B>|\^NFDY5S3C-1Q.OW=]X/6Y%0]', VG7C?@0)9U=%YV9BCH^T$A/TIFD ML]-UR8FYN^E=:RBL2'6\QMB&T0@J6J-#=KPOW5864:8+G:Z)P@ZCWKH.\Y0F M=0ZU.%XSZ#@6C18$/979#]1!]MN<<=TW6'A^> >[6L*>GF!K2WY12AWJ6JSM MC:0$3C@J0OHUYYB3-1#7G-DO%U5V4;(&0M9 R!](.Q@\F!29DKTC(D/[M7G3IL,1[^Z_(GMGA"T>/15P5=9P79#4O>ER0531U M;(O'R !O/K4#[" &=S[!*\G*H>K,7,K,#RP,B%6)H:GNK!?67-&V01WCP<^HE;/%LAPOR&D/0[@NOJ!K] M&/#&>R[S@0SAA*.6!4H(]MM+3RH?\$4M,<D+RFWOW7]P7$7O;0&YQVZ%U:U'\4M@@9D)*G% @(7T!+CJ9+11.9F["0H^EN>#!=.\UG/X**O[QI\ G+7."WU M0>]!.?\L6LI;(8AS!\UNTHF@5J4]+23EDiEEU$_EJS*9F=6H9B(]D)EU3LI.&MH++V$XH#EW53YH#N$1N1P[N($]QLUQ19]]SQXC1SR0ML?%]TD;73RL M%HS.,NU:D_WQ^T&'@@6+HPC5GF\&Z[E[_.@% \[+](:T=51Y0 'A>C*)D[2B);8>_A?2-A!|;"]Q M0E@3_ Y=]E55"[<3>6$CN*"W,K&HE8LR#[VJP$>98-@%3;N9NRZ0A36YC22L MCF.X.\EAYTD$JYILT3ZRK9X.MG?/-P;Z.JEAK67IF\@]^L!"H8=%Z'L!R>"E MW@3T"3UQ7V>#B48RWMWY>/=WNJ:8>O66"!V(=TM"OBU"U17):'<-8+L(N?7G M:R>/29X*@+&'Z0OY+CXSOX^#;)4/S>OME_:=I@R,H>P^5UO?Y^&@@=:(K1E:\)27NE/ Q-'/8K$BXAFR>UVIWD\C96*:#;1_DIVYRAT6YA%JU57+0/;W M6N!0?(71.=9E'6P2Y;U,2&ME'N$/-. ?+.1LC4KE<>TE0F:'1N)3A]8?KS-/9/Z,@R>,!TKD364LA6P:9\9TSMO*99;\#PW3I 3O*S_#&:S;'?O+E\G5X48B1RC@Q;@VS(&!Q6#C).D)%4/"\;KUAAAH>N2[M$!=+:KL!AY_&V4!G,&5Y Q\8_8'&?3Q)T-[;8M1I1A,9#O"E!@GTGG$'P? MOM"/M@"% :3U)YN)9]Y\#HO&HSU941 OB;\A#:ES,&^E&:?K7M&7=-&#_F@3 M:B)C;>.MV74IN6\IQ2^G/LM#(4U<@U^?@)0]7\"?+5>.]**AK%VFJ.-#('S MHFIK1CBY&WN-C.OK5&+LZQD>@04X3]M=V<;+L5&5E=!)$6(U=Z59Z/$Z8+ M!G'Q>,TU"C2+W=#SDZ5I;^ HF:06#O?(S%A-%Z-V(BQ;ZIQ(=/JZW06) M\6Z?:Z8[4JK(PR2DE+9Q;E57.Q3RO+"M!<^[M;DLBE-R5Y$/ITE,V9E,,;!0 M@7G#%X7G[JOXGC5/YP$"BT+F)YQ@D/RQQ[-K>Z#S^+$^C"6$/9R!3OCITSZ M77SKDF+*6OB"5[{JK@2'CMI%FP?:CY4^012>/%6(\]0_L-:/MCE>X/,YID;F MVT$&I[7!_O^W=VW-;=M8^*]P.OM@=$\B22%UL}YW.*%Y[Q\LT3BUGVE=*A"0F M%*GRXLO^^CT7@(1D229E.X(3OK1R)(+ 7!N.-\'5?-HK$[PLQ;.6UT PHE;]%^IK*K^"7KI>[LPP=M=$WIY8D!N%4IKHI&JP2$2;S*(7=1$ MUP'_LJM-SNY(C9-22(UIX3(FDR,%ZDIF F3CQC%&9]MQ&<9@L?Z""#!"G Y# M\=P0[<"V(>T^D8YM\D0BG"#&TGDLV0:*9Q MRL'T0^N$K^24@J=V7\^ %)O M,P"IRF;IYINEABW]9+"EC:K1B&00,>-RBHT(7$;C.^C,=0!?]"?PD1"T3 MNFP\+(QT4.F8&YQ)+B%\C1QGC%!37>6XU3/=)SJ18Y3'>HX51)"S(A8PN9* MG!1H5?A&+//174Z,:@\XM8-.TY?0Q]!0H^2/#>8PG+&K()Z)+L(T@K^^B4*4M). ^OF3>56=N9"P9[,D%H&3:>.;W%WSCDD^=*UH%L=%A:EUA=DCT/G3 M"(@P3%G2H\5H8!9FX+=&,.TO3){% MOD#1DB$.K5LW]],.11)_$S#;"S'&=R[!UP+H%]?7LCF[GRP6Z/!(!#Z$&!)G MARFV**2M62"=QWX\SN8@%7@KC)*%B!ANFAOVKB=H^O .;$@7YS# K.-IB)B F MSG@.QN! />"7*"\>X@T)49ZJF.TSI.[#_.+*[0+9Q&!G56F0$G/5M,Z+=0'/ M8;.)+ESA0B]1=I"N*P%KV$"M4_PF"//0OHACH8V0-.;L+N@!CQW$9\.JVEI M=]%/RN-/A#ZE PD->|CI%YY2%,7$^YCV@/9"Z7)\=L'+N+QL6)>P.]UCU>(VM+^2&8.)W@N27GY=V,=,VQH?Z$7863]GO-UV-),2PAVVJ6RT+X/-X0 M!^W'-X.E0N=Z";R%A5+X6]P5B"U2"/;.*2&=G3#D2^B>5%0^BWN>A$1+BTN M^$2Z&9^28+C5P#4LF4K*DB,T+"17^(3D"D[#0@X(I_U^6.R\)Q00Q/6"_QTU& M>\O&9WBD<0H1YUBHR$A4=EEWRY$.[>O" A1+H]C29B0=_\R0,R2ET(D6U3^@ M"=7?FKF6EHT(;PE'T8[WP2$I_;E+Z]R,I_<&O MN(97]'U1PM)@> T[GEIBEZSHZ,Q-R'RKD%J+LA,?/9DA^H2:!6EO1+67W4SE MR$SVN9FZIFTFRO=$2OI5WABXN&],&FGK,_X,:OBM)DO)M:YO1AGM+>O)F#R MX!W8)GJ7!&SUE

MI5_8M/G$^M"WM(;+D\PW+_SUF/RL6]2CIA>\M9,"EG[^CGXUIN*3XAD8,Z6>_M:U+@I>;@719<%.>ULG?)=4L,NS%M3 C#R0\%Y+7W.^;:7%(S,,[FC"FI9%KW-MTWDTIFV7)-K,J-U'>^WR\(1G<7Q^M<"KSW^,E^,M*DG):92V1$;QE:@UJ9" M;I.T]B;1J%L[CS=A&8)1>TCZ--%1NXN-/],"7\N67\VZ&CS7$_X7KJ:X..KG*

*M83Z>CZ052J%B$)+,.H$HM((SU4H$06+%<.J9\|_N^&(>0 WE(AO6]TX=CGF!& M1N5J&_3;SD086SN96-#&%2,*^7^E^9WK6S%O>YFP4?O.^5?!(^6XDW;)6\N-6;1?V$+#LZI>)NF10D0?M005,T$7M7V'L]$E3%/[UKG)G5G5 MWHMQ'H*F#Z^2!V?N95>6!#\VC3QY,C)EC\O6)D=>X-DE$[,5NT R V[M(T13+M^[H=>-NCB:HE8(M\|"\]H|@R>@Q.EH_4@J1\;X,,@O_;EC?K[7MNJZ?>W(,.TZ^RN"!9 MJ7?EU![94I 5LE8 (XPF2>=-\T*ZEKGSG:4I>R%1+UK:B:5^'B;U(_I\'W%! M;Q[.H7^IXW#CK?I\%G=A+;^+W(@Q"3/,-IOE^4@SQOB/'#*F4CO(Q5IGGH%1 MU&0*%DD^<% ^CNH1D2$9I8[U?=W'5ED)O>AG:$LO[\.5WBCXZ\B3G(U&"K]L;7C")82:@-8)&<4?*

*(H3F=_M<"V1{YJ2]^C<6>7OM_V/6_57;LL]H2273 M);(M)B D8,IQ,I)9[E61B&86O^DC$\04600R@?A)";- M>CC?=R.>K<.A\XS8.HT!;SZ@:9Q+MC@%41ERQ$TIX*HC[KU4S-FB>?.^LZVP M+^H@=S/R70FI'D+3+8 B7@]GF<<=><1FDY2X6/H<E*(1A2@#%!V5DB$(+UO? M,'D]HB'Y5+U1]J%2*M+6+CL2GAP6FIQG=9L;V#N>T[]5O<[&YG2U;5PY\]Z M<7(FRULM;\+\.0MJ"@4A&+(#8N2&)@1L^CEFO&K4+9O?JRZ7>D]DK]YA*<# M#+5-C$8+F3MR786N>UC,03$&DT(46K3>/[P>R9!B^Q9LN-K.>&OYM[D6J8;!M+=_^N!^FJRN]/1%;]>+F<3ZYUIN6S>5EWB,>958\U/,_'&N'"[*HK A(/DHF M9!(.RUT+3PL@0[)<+0FS#H^.#IX3Q@##Y+2QSLJT;.^+" MW/VE+?V5>PZAD7/R!N=SQ/-[ZRJ{4P(=GSW_"$?&DEAB+6G/*9"€0.? X,< M'7."T9RWK6/^=;%MNJ:L'5^AC&)GAS?H)-MK/.U\T.-^XK<&^[!'0.GNPO1')X2^3%%*.=&+,W:+]PXAXFJB-G M]TZ"=N/O-E3"@"K<0A8I OV5(AE,0LK6+LT4IH/.#K M;AL)ZPB[P00.2?#P=3TFOMA(3.,BV%@8B)GKMYXAUA[.Y3!B5*0I=;'PBTB MMN-R-%#.L*5D,_!P#W*>"€'T/X5>?C X.9SV]I$)PY-4,06!U%8F2$[8%+ MK),Z^D3GH&FL]GL)>@X0:"?Q#E,^04IG)V?3,,S'R3&.KMU-DD]-KO6<4"8Q M,"\$,5X39*

*R7X(UVD"+CAC%TRKK6T%B5N&+3%X6DQI*8*Y@EC:QUEO'W90\!S TD/%MSE">?*SZ&\BT7(I/3M)FI\3!LL3]W!>LK*.! M+6/D(/_WV7A2-[CYFC/,,J'H2@ZC'TB M RU84,Z:FM_$P19#Y[=?IKUOLR:)>W%]N\[E%2I*+>,!]:>K<6R1$!S19=D:!ES& =9RA%M%%KT1HN]]&S?6QTLSE$;3---%! M].0VQ5A:^DWSK6;.PLN],42F:ALZ\O'R[<_9:UN*,O6:W3<"Y]*MZI5>FA,CC79"?5D^NW ML7)6,!.D!V.*!56TA)!<)O]&.6.UY4'JQJOZ:708Z]HO[%I9V^TY-N?FS?FG MT3"?I+;NH^8P@V:I/E+"4]E MY8760@"WZ$$I7?OJT;XGEH'/2W"4^NH:!_"4_-5_G$T M3Q>8.EZB1(=)DV%=+.VERKIZQV"@6"F$*5[FU3KQ/6#UW/7NIQ246DO7PX8R M;VSVSND9'PSRG*+QW/Q;A:B&\:BEA&P_'K6YCFXKO)&MZ9])UR,@?ROE&6- MOR@!CCOR`(@I)I-C%E9K1K5?6K\G%+4EI:\CUX;*KN;DX9?S^;"37W& BT"* MU5E&+P(%R8D@K\AL+E*!3;7O0:;KTZ=MU91M)?=A29 UC3U."/O9[ M1|-/PV%_08S$A$(]#@6EJ'<68'(A1"]I$U#9+9ZQ=27\WG_SD=;>1]%]OO5\ M@5A[TQN>`@>R*#[TXBB,>A>0TMJ5&*6%Y#UY$,9RB,9H2!9-9#733J^V"N]_ MS%/7:4,O-@PT34DI&$QZ<9C/?^F-T_;CBI;Z,N212:LR>0BJ'J=X8A.R#Y9 M'70R|FK9KE26J?2*")Z_3%D)K6%8YI>GWH_'7*SL'3X5SZ<@$T#&#EI[YMAGJM0Q&5$R#1 MU"P?-NVP2;9:2M%(E5U*S:Q=AVC;B MOT>7&\AN.UK5V6BK4X&BR$4BPQK!R^ -@29FYBAJ36RWNLT5M+@F_;DN9ZXBL M(R7V0O_G8SRI638+ITG9;(2UBDZMZN8ZVGBNKQG*3(.EDBG)/+6W#MBF8@=%*($MDHQAU9I MLUH<[^G/VU--I!9!PT%_P-#G_S:,,%KT^D^I9"[(>;33;2$>-<3:F$39I(BY MI$IHW4[P)@U/5L]-A-HZ,OMN,,P?1P=!HUZB8_KL@J;"/-.>,)=125!2&R#'_M@381&YV)PHF45]MYE[S@R6]QF=0ZZ';WF+A1M%+'(#2$@ F4]EV&O.A@0[A M^ZBl;CU9Z?D$^39QK;M6Ui8'R(;Q<1CD^I]\%O\M|&N/E@TB??<_L.4(V-4I M;Q3SJZ\ZN/?&2U0)KZ.UK$ LHEXYQ PNZ016FT+FG%59KI1(U>,5HCR8?R/N<2]*\=;"_=O%C>T*M'?>L61_L'O@>FX^XE1M;06Q<3=(FHA^*+EG+ M/6AOR2=5]8:09 #+>,!]:>K<6R1$!S19=D:!ES& =9RA%M%KT1HN]]&S?6QTLSE$;3---%! MJ.

*I[PSCDH!;,:U8%P(J]"P%,"4*Q(RFV.R!Q.Y:O5^2 ML7W/OJVNEK5=?Z2@6T]'_&/>X/TS?1WU:E_K*65_D)#K ,>:,O9.FOY^3;8*_ MD24&QED.ROH.7]0.B:GHE>'1) [Y2]ZK'T_!,P+%-370R'VO\Y2S^-Z;)U^%# MDQXCS\D%YL$K++4WBR*3T@=PM@[]KD/&U6HSU]=[!W,"2H<2[^">8,,3^>!D M>#:8'/J2N0NT,;+D$S&A(OC:?+6$I+-&IC)O'2MI0OB^X&[+P9+M*WWIN;@D M$#W_=?U20^3_^,O_!U!+ P04 " T@4-;A)HCP L$ "K! % '1W M3E9*1D9!14]=04E'649&PUQ3 MQ\#0Q.1$7MW2UL+(1L_8Q AD"",G)RYD900#!BA@&)F865CY^4DX@8JV"K P.3(S,S$ MPLS*RL('E*T%RC.P"(-(*%1HZL@D')K(K%8H8-4Y7L$AH6'4A9%1R2FI:>9P5G%.M);5EY1655_]BY:N/SG^;? KM^X^?OT#^ M8F1@9H0!K/X2!/J+B86%F84=Y"]&IG*0 D$65D5#-B"0/;$0F$EHT8.$;>) M"S<>Y%0V#OH@FE1TD4M,Q>2AZD>0U\ ^(\YC363Y#.XQA+]N,? P,P(CCUF0 MP9[A^R]M[N#K;I;$.U>\ZWJL\/8$L\6?DZN_6;5$M:Z*<9!.EG\DH=2@'QCY MO6KNVIX)[H4*;O/\]>R+0^./2"6YEBONC(GR4)XM.WO# MZFPI,KHEQU3DB(M,5N<]RHRF.@HR\&C;74OVM/4>VOGYV)!L27\Z9P3CZL>_CV9D^:/I\Y?,>F MV-Z*R)LH^*[P>\C'63-O)O6?J1/AV6C;7G5VTT?>ML7EWZK+R@J_1^>?]I=B M.C:G6%# (Y'9@QY/]*Z>*)]X,S=-]O$NPDU$B9Z5L;\K^,1,;6YE3C@46[I:- M\//?RVREI;GPL(;R0LE%#9;QT@[^XTN#X[^>QX WO"8=-+A[HF+ B]96"Q M-\%Z4%X& [LVM!)$,$;CRXH#TCSG3;I'A^(^)\N=^KU80/.3Q7VK$Z M5NGK^R^KT[O\M:.4OGU7;BE]PO6UIZDN@<,VTFR=G7OJRXF7&G;]2SOTC@BY();<<^SXZ0O!+I-J-Z5&N%T]}G]M MZ]$GUU?U)UN=GM338G;QG';#AS?K4]=&WLP\|_G&MH(<*)0>[/ZY[?&YFAUV\ M]++);WT<+AY[*[MK]9PO$HL>/=-_4ORRZ^FZW.*/8L?BU0W_]A[,W9.V[>R1 MOP\?I\=?S1/ZSY\ 9]+$GYT16PMS3#0R&KKHB(B*?]]\5^UKO;?S&FH;?9- M=]H_^;5FUIG]3EWTMTC/>7HEF;E+@UOX]FV.W,?=E;F+W\%LKNR[88.@JPI K-M=R57)-"!/:+?HBX#^?O, 4$L#!!0 (#2!0UJ]G?E'(=H (.E" 5 M =\=S="TR,#(T,3(5,5]L86(N>&ULW+UK;^0XDBCZ?7^%[BQPMALPN_6@ M)&KV<>!Z]3%076545<^>1>$BP9=LS:0ECZ1TE>?77U)*92I? 2I))RC5W%U-M MIR7&@QG!B& |_N-_?W]8>D^\;HJ]_,_!;_X?_)X22M6E'?_^;<_OKP#Z$__M^[_^Y5_^X_|/X/^^^O3>>U/1U0,O6^]US7'+F?>M;._^]]YI_UW5?RN>L'>[MQ&U>U0__%?WYNOJ\:DN!N%,+_3#>\4L^&0IYR3(@HSF$/ D"@&!,?0ZR$$<-&-MB]\Q)6Z&5=W?TYQ3!-XCP!8B9Q>9!O?(D7#TM=XHM:GK+ K%ZFFA$ MI[^A)%#/B25UAC!++>N(4E%DE_PRI^[)\[G&]Z>PNG=X+UXSS3;RQ@_"^P*18 M%L+BJE[Q6URPZUR(Q?IP7+!3WXU%DM =":4J &I>W!ER<%O(9>*,K_!*7]]%ER%H=;!"ZDM6'7;_)NUG)CP<^;$PX"]R M+,ZZ)3UQ'HN'9/+>(W[NXL7RD^VM8O\WMN+K#<@%S/;>R\5B>.D]R^W(]^6R M^B8?%D9 W2VQ_>LOWMOO=+EBO/$*,:LN'OI[_;)NXRDQOMVS\O-WXHVZS>"WUP6Y"8%R4N:2%7]YJB(XJ)/WI_"08NNXO1Q\>Z MPO3^9UL9!.9;/IE<8++#L:']D'YC3OI"16<1XL7A=/? %Z%Q6SYQ.;H4%>"OV|E(]YJW8N2%OC,=^D-(&A$G, ?2E ME19D&.LA1FA(*;9AD2BDZYB@X%K30#Y]#W]O/MK89M8<9^5!/-.8/T9%:@XPWX M> (A;\#(&U#R.IR\ 2E97U&:I"T:? CG5#3;GG#6SV22'VX'#G|\X# ?.-QT M"X<./PHWK=ETESEFKQFSE^0R;BRC?L6TN6\DL$"9S?>3_WOY\53SAI4P_M^L3%"5%0833+/PA,=C\8/=G7]R4M)9FV!O>_U? \+NQU89P]P_U>YD)\$M;T MVSSGPH9@*0IA)BPGE@G_'/J1. ,2G ,8.YI1AJ(\0XMVDP9_-N0T+_I.Y\>) MDH$)"99I@&R-ANR-]^.=VV+N]<_(K=Q[\/=-WJBO($]fZ>!KI^OO UIWD";)XGS>NKLA3Y? M9E%L#"]]D{'?R.6WD#!;QW\Q0%P<5Q\0%P<5Q\0%P<'2K M#S. (@1!XF>9GP6(T43S0D@:;!\=>BRS=9.5ZDQ4=9!O?(D7#TM=XHM:GK+ K%ZFFA$ M=.G=]H&]HOLI85;-;_13;9]?+)*%/=QJ8'_!S?8AESR-H-ESX&,]]^&;/H M\&;,?"DSI?:QO>?U'*+@5>L^V+V(;"08$1_$B#&9?)@#DJ8QR.(\BA-618H MQ2W/P'&LIC]HFP#^<@M>3P&=8A+-_#3VLQ@@GPMW!/$4H"R (&.0!0$E<4"(MCF-B@TGZ'H1C)JEI8@NDZVG;GNH11&%^]S#M*<\51%E2D*>@S*H$SY"ZK^C. M/:Y_[? *EQM+^^_S\0*KE(@QRF*

*CJ!M=N>RN--N5RU$"QEE;#_4!8G:?%R6_:?E#(Z0EI'[.?8 3& $8Q@QD">< M<9+$"&<)S;0J#52 NG90>A2\#0[>" GOJT3#Z_!0O"70XJ?:D6>;2WJB:8%! MVN>A#L66#DE#I,V#\VM=[54QB_ONQ2D/IS M:SB6>0'<&TZ<,? U"3_+@&FIMDF[GB2?(OO\/:BR *L2-W$,BR76\DK95DS/-M# CR+:*$2-XBC\O.&9_8ZN/8Q7P=#]T*@?0! '-H\%^=R BB"$,",:_CPR,NFMSP'7+H@M_?4_#)J=*-^D"MQZ/R:;ILYFD*ORA?+H<"ZE!N= M^DH 9CO]=<@=6P%:[^D+^H>]_ K30M\YR7'HBM@@0]O/VJ8V+LDG1=!8VKT M9&T@Q++1?!1[(WG976DVP3A*P%@"CC|PJ>'[%M>E,*WE;?_G>USS5[@IJ#A(MWQ3+E2SHWKWL#8,@Y$'@@YPS'T"":EU6&>+A,J2U>GC M];,\LI?98=Q^1$NG_^M\3H<,V-QC65W4LA"6)D-=M6Q=$ MK"%OCF7CN.KA02S6Y0O>5T0Q9YK7/Z9[IVM^,)L1S?#9* %B0&G+W]LCF^#R MEOY"]E@WX_6P>"'#WHA5ITU\^4,%>4: &=C&W$4B'CUO'UDG8ES_0W7K/OG M+!R1P<,^DRI88)@BC& (9*MF 'F4 ISB" 19C@*>IGDL'M+1GA:1!?_QAMVYG=X=.M?6WI@(VV5*A-U.;5JPZ8>]!L7<#0]\H^"7T? ^"0.!.1K5CT*[?YNB>]4_;,3 MKSM6=1*!])\&"8$<0UQBH.W"G]#_ORED@7$\3G:'9^RK!6_+TSA!GY/.=6G,V M[^\,46,_\-RC!K>14FB;U\NJX5^JW\O'0G9+ZV/VJG>1)U=P?1/9 ?8ZR+(H MYTOQT'E9OW^XO1GU\-.YF3S-#(5[22M\T+R55&2!O1L,-4K-KBA/+SO?!>59 MTG:N)\|_:=I>N MNXN^\D0'/#[Q=1#"+?<)+#$":9#V 6):.!+'28PA"Q',".8 MZ;46W@? A6%S74?160OO>N^1Z,?) N/;BR\{QF7:CX0,6]=GWEQ&N)Y]KFCM@ MZX(" <|F5^%3M%GK*P 8.9NP]<(/.PD?/)_5-1F+5_D3&&++O%'(+!O:!|SKXW@@!{Q-O5W7H3YP MU7V>37C4B=R17\163KHJ85+79 MO/(H?>?UO6U">8ACX5C#U"<-\C@#PO6C@.$$(I($"O/$4V <"_06;MFI=8>S7H"_R)W]_D5\YING4:&-J@WZSGS;%M]WK@MEKUG2-N MNB/?R;=G;+QWCH+=_GIGGS;V-?>]_*]IUTVR^<0I+YZZ\$=$>(1"C$"&LQ# M&*8@0WX \ICA*,)I1BE?C">[]KAA9\$]?4W/#]Z=BI^L0[I8]> MYZ"RT+IX'%*-NZ"WK MNZ2FLEZ2]WKJ;8RI[$T_PK7;A3&V7<+53?0A+++NAP.YX]>M0GC;Z,U;0>^(MN0>E!Z[@&*4W7WB??GH%QWI2Y@M;NU*?X,/Y) =%NBI*P7JK5ZNGZ?1-*?Z MQ;_8SY.VEVUM]Z)!T KO<%'_!2!7H\!OLSUN<\:",$\#X%.6 RCO^@CB.1"T MACCBD?B[U[#T26B.)5?"]IXD<.]A.[!6SYZ9YI:,<6*-!WJBVY'?P=V[A7=A M,"C1:.GTGX8UZU&N1/;^N:SVT@5=OF3.7,WO>=D43[R_D]S.R?H_U5+6,O^&-MBU)6"GPL1\.UZD+8_'=OQ*[#]MP'WGI,Y6PZC @/DCB7,TH3 !,6 11B(O2$ M<).X05&$M8J072'J6*>\[NI@N5X8N"=0-'[2HF[06.O% MYBDZ43_.EF@24ZIOKCRE@8.C\0B\K(S?NEV3=/R\[39XS?ZZZK=NF AD=?Z@-M:PL:[#/F LWY&Y4Y9/;13F? %#_N]5]W64>R>^[;.V1W7'D5=?!SJX'.MY#@/:0WZ2CN1XQC=YR7]0I(UCT5C:K5D:8(FTDZMMYLX?9=$VU[0MG@Z[7]><9QP&'+"$1 #F<0H(B4(0Y2GE >-<(M^7HE? 9=@XUB(QY6X&^S&,Q+Z4=@MZ H6EML\EF]}G9L[%83VD8<7>F6N<+ M&&6]XMD$EQ>]>!Z.;:>KGR]9U-Y@AE$0SH^(G\8L!#20O;E91@",HAC$) B(M'T8HRY0RU-3 N73)K,W'5=NTN)0^\@)"%B5<6#(L3C& $8< (9]"E+,LS-,DC2-? M1ZJG@+F.&?8=5[KQ>E=>M87K_52(CSML?M8V5$PTM,N\ :PRZ][V7S>W?%,[9VQQ M0N^4&3<]NNKK%QIOYFO[@H"@K0%F4Z#F'3=+0/3!<#"5=RI\U;.]WU=%MS^RI0J,)O#V-6(N,^OJ6'^7?\UZI^O<3-ND^LL!HASOP8"&T9 MR:%>XNA) (PR"&),084IQ8.A3&V SHT\]8.?UZ($./V^+H-=A*!NZ=#AZ'9*7 M-NPUV2!=/]LQV\W];#<R-&^@&VG'>U+%C5,'MBQ\U]7 M3;O <1K%$2(@1Z$PPV&< AS[" 2=|"&#>V^*3!! [<\YY^TH,8;.8 M?A"(\;/\8!F4018)EQ@"!$$&8$(^(B1#(,(UJC'*..A'VFI@T,0CN5_ M #BJ(14M(3U@BII 7T:JG@1OJ'13!WJ*$&M5GP< 9]fQ/$7@847GR2<-^DML M4IY_WR,B_W? 1WOJ15J3A=;?^3?FXZNI%!2E"VKO2I$\R04ZFQ,D>RTWG]-P\ M/(K%'KK1O3R A),A>05DCC$"\(^$ 1BY,X%CX*#Y5[4SA4!T;'(;RLW&B'N%1WF4C6,4+^2O_?(>T1B?^5AB? ^55VPHT&@?X6:3IU70C[%U~B%L6YAQY?V^OVMCG+T>;>_3WJYM\.Z:S\N,YW[7;GZ<7=-H$/+BNV?67.0E M=U&O28E3!D\V.'$#>; [F*$XYM]-8Q2TD,R/Y$W_BY8J_$SQY795MC6F'TNM5 MTU8/O+XF3?>9HI&HN)H[M;M&P)-[[THI.(Z(.%|'=\P&%W7)-R2I:D*=5;S M4Y.5^S:J[NMF7_M,\:WY@<]_XF^H!%^4"IRA+81P!GR,?P-S'(,,_^G%$ PPS MF{5\?=N[QC U$"\R0T[VI/3_>:R1P^9Q'@&+9A3Q.4T#B(:5\'$&*BK>2L^]+TJDW"-. [@H*=X--BJIG7<,$M/Y&@^222\ 0M9 MH_C3'SW3?AXU\[@^SS5MA:// $O.1@/PK*I&GR'[>L9@!===*9A/C#H(,$8P1 MP(Q" &G@ Q**GP2C>]3@D"41UC%SI%%P:.MT@I0QIVI-GYLTI\[1O$EPRSOG M.LC)U80Y3V972R]SQ6'.(',U9>FJ9#W*^5FF7[Y>)V;$,. P37(01W%W.Q(! M!'$($,=Q@!,(A7+2T4=\'8#A6..N)X-)-J+]CF>^K-^T= Q#]GID@OIUE,6 MP_3SYWZ\WFO;.2L3Q%B2]F.09A7C"1+WY73J43.1 ./SE[K+C'[>]D37OGJ6 M^.8O3S\,,@!Y,)20'X4@H5B.(EHQE&N=6U4QC&I1CL?SCE\`_>`?5$Z_+KI*@ M7;/AD6*YU+0)OBE)IUVN* G!'\]@:.@H[L)!R&+!\19$MH)0+/*[GF"]T58 MX8W+TJNOOQ>-.$O]+.0<@3C$,8"0^T)V>0[R@,=9AFB6A%JJ.\>+.Y.64?:Q MA&.86-UQ04TB36G3DT%ELHQ3JL? X6TZH[I9^D?3J,5&GD]EWGC&\(/CF\GQ MR^VSG#91E7+03/<|DJG3B 04!(QR>1)F +&< D1EG.6^3'B6A<"4] 2T];/?Y&: 1.BVWI58@ZZ*A-/MK MSCZ6Y@11QP:3G'I47ZB^U%@V$;VNZU?/-R7KFT8J2M2Q=QV+TQKD>+9]NJN5HO:UW*:P;7\:|"%F:9Q'@&+9A3Q.4T#B(:5\'$&*BK (K18FJ)KFV4DQ5PXKV2HG(3A6)QN07;JLHA5R MFAW3ZL *D7IHROZ6O W?^1DB14(TN99<2;-9D;&]C?['4$6R*F,F&7D=?G*\? MUQ3>. ^VT)A\T;9@P/36(8A22- :$0|_(Y!%OK"W8%ARGD.2< UNR:\X,2] M=>>> 8U-SE(;FF#!P6NG89XMF-/Y"CABT5# <)*3:5 ^EAP?ID7K88<'! "$9 M-+DIFT(\N8Z=W%;+@@K'Y[:NM$;H*ZSB[MNZ!NX-<;8!?)? R)7'@S-%|=0VR MC>)N*NO/%H;3('8+B&/_ Q0##%-AWF8!#@, M4Y F29CE$$-(M!SIW>5=!]R:;E02'\!IYD'MDGC>)/ (,4M]&"\T7[[#$? 1WDAR. _=TP\U#Z.J]PP!EX,T9?Z; :>MX_9Y :.>RY:L6%B,28133B%"OO[@ M:&?XZGSGC:=.7[_=U?Q.F :)+FGP*SO:40S\/TX0!FD0! M@(PD(&,.@2C.>1(BCED\R;M MNF;W0<*OD5')O).G:C#MWGK60[).NILQ%,P#] MSG0^3ZG1(3VQ[&QF]7G2QD:VPM,& N?=7?OZOKR[+9M2"//-^7GU\- OW+3E M% /)\5]77CTNR_)]Z?:NLZJ3J+NS:D]U81]_OI9*3]6]NQ?/RC.TT5S^QGJX> M5DOQ%/->\9+G1>OE5>U=+Y?>K?AVR^^VK'>2XZ[DD-F^BXZD#.^+P!?U8G.S M? 5#PH%UN=@:;;; 1+Q$[S1Q],6CS10.,&;$3,C!>Q#3!X?,#7BY?K9B.MY$VSR.*8TY 1X?!+I"B&*, PA GH7 H$?0S1M0/!,3Z\Z0P=""]:9NPL(N M0Z,UB04R]32&'H4&"0A'Z;@@XV!WO9E3#(X2(P!7@_:00L+13(M11'.09LU%J!(^KY'K_J: MOHOPNOK.EYP*\#"^5MLO/TKW>:O[4I+UQ-*4 M6BW+=XHD(^/VZ(*SV:]3Y(Q-U.GG#)+S97.W^3]99/^$EUU]?8)!F!$>(DI(EBN-]S%' MP.7 "GRN^KZT?(M6E[!0);&X\O+-.'B-Q'@SGD]+^3RDAE(2!'$L"\S007E(2)1A](T M2"E.?12HM?^=A.)8@8_!.?4QFF;- M!*VI\">GM6A55FNE6B9\G7$ B,_1_RV-M-;>?

*T>^DV>;/>9!SG22)RSGV4Q_(_F.8M\^\)7LR#U:90G!4KR1"#,68"R."((HSW+" M(Q10/P),BMXN!CQ:WY("=[G? 2#$.4_DQY"?)1SAV.>(!+&/HH3C- S2 *<)*

MI#ND,0"FG2#G5F#0,VZFPD$O+CHJ5YZD8S?'?)|[BWGEFZ4GSR7?%^I8_OC! M9V#&HZY6L_MJR=;%Z]fJHB@U]UVKMF3+[/NAEW=54UU"5"7D]?3__.PC6N MAS9!@.FCN?

S:,JDKW,C=O5RBU4[YPU8QSRX\B8+/BM,>]%!RPBZLO MKR7'5X/@I.ZP/@#[3C+@R0O'VFZ_Q$R>/N-,;MYQ'@8(DU@@RO, I4QU4,E8 MSC/?,'+M5 9@.V/57-F/X*)Y\?*1M,"K$9B@YF-C72G[$0+O,_SUK'",?!*> M=>ZBZ:KTNR>*OG@\;WFOFGIYYW1U7U;+DRW6]=P_7L;&?G7I2_G$5LR4Z MT"<>E]KR!

*=&8W26D\N.EF'"ZSFQAJFN9S]K4"]W+=ULNF1O*GB]?.756U]\ M1 .6B%BZO5'HR_TNB5!6X!"E-!9)FOIRO],ZNXX1<9VIU5'U6$\64*MU"I=Q M9;0E+4P9-X)N*)I4IYW\)NB7H5F0W*S>#/"]835E9R0:+1X[]>QT56)GN-\I M!SOWV0L'LW8-#[=WM)&:W1C%.?)I5B -<$8:RN,@1]L,4^VF"10QJ47*2DF,K*

*MLYU=VC=*U:Q(.0^1GF]M17"8P=G*W--T@YWXV!1CNYZ?B=PXE\(;MC099BHY!QWK9Q<=]=..RAR>]V,O%+7VK7,;)WF@&F#X!VC,S&5++#F%%*LUF2Q*

*M>%.-47^OFP2')OVNG1;X=56'#_"P51W;@]UC;<=5VX+WM?ZUR9T#%CSOO+5+MN@(,0)B>»#X(X X^F+DP1,Y\R, ,$:- !#49.$%,PB&OO?#%*E+7H*

*M>U&H"WKIW=R)3_.2E,6<+<&Y+Z> TY\/Z05*HC_^]Z|<728>$!"Z ! DPPCR, M$*'RKR%3,QQP*H_^BDWF'%NO#6%O0-FP#:+5=Z+G(;P7TC!#9P@RV MR@88E M?\DJ:Y-Z5BY*

W??!G-!P5&IWJGBBG?H\8>I""QX(F575O%EV,2\Y?O%%+_(.MI5(#.-_1_W==#S$'X$5AVF,&A4=YXI M[FSEW%,VFX%*RGJMO1S(^V1;QB"[73.N.KM1B[0@NT8*

*M^T!UYM_%K1Q46$NV59OLI/8/"L.^C0(_?^%P]%\4O6RY&S,_E4M:RY.I MNL*Y+5_6J!^4DERRU\+]+=+U54DG4QK)>=CS^]:Z:EOO7_KN*0!%2+!*HQH M6JA+0!(E-*

*(N(X***5"=M!KSU@'%OWG#N53NL7ZF_.MM[Q+-UXR?^4M>O;;90T'MUM]T7I6\-U?'S!\M_%IK[Q?]|_O9=K[NO?F M-FQ[/[=O;L.Y;5?9*;*V9]!;Y?%]1M:[@/GDA'LGQ. EP]?UG-*

*R38B[F19?X M%V5%0:(T0SY1>5DL$(CF08&D*XDSFN4TS[2Z91U=W77NY_WUC7Y9*LXQ;O M8HE@ED]1\CI:%MOGC4IQ02'PX9J350&?%&=8 GSZ0W'"M^75>SI_?S]VWAC,_*

*MS9F(4J2+!.&81X@D68(*AOTXS,.XQ9&NQNRL[%A;.EKZ"K,&I8&IB@=_M&'.05'UIW=4$?N/PV/L_+9N=2@1'=7*UQ-M1PKPX"TMT.*

[."87]}_B,PC"N,C81@&F0H?"@M!P=R8R2<$87GBSE1D>\88-MUN<-*GL>OB\?GI;KFI3LF0/W^7Z;Y_D>V^"#/==RW:5'MA9<9SYU,})@@(:*

*M!*J4HIY(EE+DYW$N"*:OK|HK:5;\ (D[5FGU+;?$^?KN_!Y3#0.$;UVC7H,"T_M7#+-B]9PT,ZY:7CS%3#?;KF>GR?DU*2>"X@K"|WYK1(1D[,D>4F3^]>7IH!$5SOZSSO6*

*MB7ORYKW6WG#FZ[:]I[Z.;*0[KQDF@L'T852FKH['4N;]OC!&FK!99++O_S[; MPV_]P>_,;N*Z7K'WI%J]-?FAI&BBNIL;YX!C$M!((!K1%.&0,41RG*.4^D%!*

MHY#%40BY5#M'T/EINFUKW-#WA@P8-X$^"^&XLKD`!GK(O@03\.V1K]^6+H+. MDIOT3D=?^/WK&>WG#/.QBR.'U@M^)TX7ZC4,(.8^07F1%@B3IN16Q"C, M0IY(8R

*6-=G7<*NJU>-FE)H M(Q",@lQ#Z/.3EW5TB8QWZU6|(DT6^>AXG3C,_(3X$A4DT8>4&C'N(AOZ?4)P!?+<\Q#3+@@P%41+(=UMPE!7R)Q(E2833.(QY*

M,%G]A>LW^R|;8@%\]9I[W(_WFF!;I(5"B4TIQ$"8'VGVE=U7\-Z%#D"N_S5] M&"A;5R!4/R!E>*OW5E#^K*4JXE?VH"Y[^5\Y5*7QY$EK;_WEWOB+PH@BR. MD

*AR+L\Q^$=Y0.5^DT09OT' &&N%-2IDP_&QIF?,JS.<=9.PUX[\OH5?,&<3? M!K\#7*U=\!HT;BFG 1=FYS>X;IGJ!M4:\LV=VS"N.?R=P=WE!0 #KC&G =KL*

M1O,"P"U=;EZ.SN@]YP7+3W?E>3D&.[>?%I:[L OD9S6L_JO:G.[$;S6_KFN^ MFOE%'O[<9XC[<8QPX:>(DH"C,"0Q%CS,HYS/Y$Y&E^!>D,?H091G2%5;=[;=

*M$1>*O%L@W=1,\U3T-E$3N^09 T/V):WA;*A>^5]|;&0M+WK42S,.VV.R6BlV^91 M6N_3<7-,|)-=-TV;.'?!W M$3A_()SE.4,3QZWAF/\@$>]6\1\R M$+V+Z8\7.,)X6U)ZWJML>*

/+VJ MWO.\|HYTS5=98I>|_-EY?W!2=6W;&G>1=1U4)9H"N<:-|GSDC^1#@/;2IM"?*M|[>G0!UF9-T!;K&4U 9T9KVI38E.UZ7Z0EAV^E5?NI;!O=@-J9^N2Z;^4%^]*

*M5[)07<-40Y^G9;5ZX-7S;1-Z;9J)73_+?YQ_K[+/\E$L**$^$RCF"48XH3'*M1!.C@H<8!S0D$95$5,=MC7LQYM+G@/&A=CTZ +M'P*3'49T_PP8*QYQX8QJW'F#5CS-KQY M-Y/A"*

[@7FP9GLWLQ"WC_W=(%V>4PC5Z07;#\=!=DEV.PO>2GAC MG?B$@>>>T:5_5U5L\+!^>^#>B$[<_K5?KBG_EK[Q<_OE8EZ\;??":JGR.KZ[/UO.M.;9 MV4,6X!U-

*@+"9;P1$VI(7="$_)6W6-;U MMF; (ZM5-:?K5=-=5%KU8OG\O"QWNEO#+F).HZAWH6(%&^_]>D=2I1&VMQ^6 M)\!JRV;I@N(TG4DO&LZ*NW]AE_/>,S\G#/IP(6Y].*

*<"-?@<%2G*21"23,11$6DUGS(A[EC_KXNB6C>GK.UU M#$R[04C]*;PK?& VH.?"^ZGGXV\] -^SLG$D!L58LPLF$%@R%2#2DUH/$U#V M#8K1&]8[=FLS1?QJ[9I!G57ZI]RK?*

J#._Z>)+!+3!TD;.\|$3<|E@:GNLL=)9\0QZ M*NU!+<=6 MJ&>FRZ#IV3&],03BJN?CN$,+9LAV@-IRTE;1U;M=,%V$(,UPL.39 (E/ZM:8 M .;OTQBN9"B),)%EF:P7GW0-79S

M2/B2,9L7#]9\CU&.+9TK[WKODN:>5$W?/0<=.B<;HOFCC,V$#\IT-AK3W93@ M9AIP?5NV)ZSSD|_#P/>Q=$10412!NO!43?,2"/F4Y@6-B>) YF/"T4RUVZ0 M(LC9^_5FL_Y-

T#2./,P[#B-3EU?/=54> VF]1EQO)+>T=UM:U(UQ\H=" MKOE(6TBR+3/Y 0KP7+H.}R[@Q.DE'.];BK+7D/8ZVE?>1^5RS2XA8DC(#A_96A)>IA5'O/<

M\@E<4T:S^10CZTXWLN\<#M3+#0^#E?#7U?50E5'U'>BO=0$;^!%1PKX;_2 M$E5SLFBJ=I]*T2.WV_K.(+$>66T P),%[7D=Z"4YV4UTLF192=3R?.B#352*

*MX],&-46+Q6W)Y]]SMB.:+&E94?^Q9U]=IBX4WH DH,#HFYWE%NU1$X#7;KG26 M2\K'9#$K.S]VX'3%1R/B{)0@C7W.+!*D#!|_)M5_]X]_YB]?R#/OOU6$))SB*

*MS$>]9U$\RA5Z>@]01?//-M"3&-0.OHH-TOM;X4)/NRE-7>=P3N0C90QUG'S&M8#N MK-KD8$4.W4,..=5&1@-8L1.*WLQC.O!FVJW2O;O+W4?*

*P6?,IX2E*4%YDA0(TOS;E5>"F]]/@Z:WI=F# J.) M+0I#PEZWT?W4T3Y]:P]O:Z\EI*V^]N/$IFULKR7X06=[O:=,|^;(JC&|=V(D M+4S$.(XXS1#+4HYPG&2(QHRB-&1!BHLP%-"B)*

*VJCA5_PX.*K@^Y^+_[Y 13 MSU0/4SV#8!TIF%VP I)!XAU :&LY>#HT)TI'\\PF)D'>=C,>)P3T+<)!G/$JEBY"'"+. H3SR.I)AXO,.AQF) HCIT*#IV"|\7I:/Z/\ M5,72V4E9EIH@]0.-*

A0Z&>J;",C(P0V$,"M@X ,2T9!IT*$Y]& 0{)L%R-F M1N'ZE^L-;>]1$@=>_=A!7_@3(XIS"0I=KPM/U?>AE\D:2/%L?RW+9=>B _^63T[\Q M>N71AE45\;-GQ*Q"9\G,V>%I4D-H%*

<9]4VEW<&,Z[2[ZL[WY8?N4O\DO^I&I> MWXF;IBU9X1]5%2#+&2MP%K-(GM2BS$>]3!41;(A%$4<1P1 MS,6LY{]-PY=1+3=E04NA\U:AAXOHZ_6*

*$W4J&79I\R3J?2QG1?ROF_9 M1& MF^ ^;C&=8FEV0]@QHH!#@&J$U[+4-=;0K+4W'7\8S(D 27HCA$UTI!W0Z8RL MD/T'6$;KW$W6G:X$_@*I=^KC+UG'5DN^/N0G-*

QM5W=@6S<[\C :Y-/ ()T(> MI7'!489]BD(UJ2)D?DP2K&?;@92=F_0V_%PN2]31-2J6U\51S[NUB8W--GR; M4'T/U?4X5!8Z\(T[JSYWG&J]QW;Q2*\RWWQA\WCL(5G+/ZDV1?*

U0^HX8%W MHBD2DEZI7$>R(6G-7WDS.N%8>9&*\M3R8XNU,F?#AD.SE(L$)V&\HI1SA E- M$>51B&(.%TDA./9C!AL#[I1?B#H:C1'ON??4M\7C=KJ9N7V%VN'#^\.U !W9

*MCNTKKY>ZN:IHV+XZ?H&ZFVW0<=O5G+IHHC8)LO9BG0YG3I*ZA[V(_'5"8@:.M!!-:%KZMZ3]YL7I8]KU?F^7O.S=74>]26$.?)YR1 &$12XZ\36@[?K>MV&JUMN5*

L1WC.U3<+Z9$^+'\M7^8JH?5!Q9_!9;L.2SDV MLMWTUH8%=6A]F#\WW9I^_7)_.\B;EAY.PQ9P=MD9E,8MJP. 8-94%QOOSX8C

MK9E'\&%H>M;3T@[L_ZT8|/TA#V8I:,YF.$]>7/VW!3;.%(%D41%EL4\D3Y8 MEB',,H;R(\M0$/(DYT%)!249WN6HFNC8!#3.X^2YEVU3=F!^MZ0OAH.P79< M.:*

*(MK*V;XI/TIKT5UA7_X,97^T$SE1_<(=R0E_F*+%KO0K7BK5XY^[2LVIE> M_31$4D34!,Y#$L3U+D8YH6J2A$0/CLI6GH\VU%JI6>(0#S 5&. M?6ZT]>1G_C@OU-:)QG8,\X*

:%_^3XTV8F%"I,'-"Y2S(D>J MA#S-XRB)%VV0Y0/OA+">G7:&K\O%F6;+Z0R5_>*W8'Q6L6MX.-<>. MX;TT997W!R>5)SD<.DI+T=*

<9=>FOJNHM%O7Y9LW>'+U1%;JT45SEN)\Y5V_MO"SF17,&<7W7335&3DFI>3DOI}K<+%]Y)1=4;^@?0RV!Q/.GU>G2'_3ZY<=*X*

M=9,;'=B%W>@4;8F%R0[:=B$;GL4MKVSFNW=#\NZE6_OV8?E,YN6,X%RZAD6! M1$A"Z9RKWD,A8:B@F&.?1EF1@:9C!0)P;'?[08X-1>_/EB:P?N4(+G]>WF72 MPJQ4+ZAJ?*

*1E658#N>24++=9MRY-0^$[Z(.64%HCR+$*99B/(BQ*C@/D!|(*,WK01U#RTN< %>%B3M!OU;GX8<'$BJF;QC 85 MWM;93)ONM&N]|-+FIQJ&9S&}]#"=&PB^H6F2MW-:,D"*

*MCA7YS;)QCN%@*1'FK%BC.36GGYXN?>:L!#N9,N<_#3- C,]GGR7$B_LGN2M\ M63=?*TJQ7V#BHRR1%@>+1L$ $XP 5*9;_R',.Q%IUX<<6=VQL&G)>0\IK">HI MVE$6C[6IM?*

*QANUL?76^2-1HU;&>*8EH3P M%$)G78LHU;&W*3RY&5;==':%[Y@0B0(%X(AS A6VFS-!$\B?,X"T#3U?=2 %1SR52XA8&(#A_96A)>IA5'O/<*

*Z.LL8!J1/YLPP'1_-[FQP^.>_- UY-6RW372TB0<@(F@3%[/ MX*7XP$*%NO*.1@S/+/C)=X%!7GIWXH?9#,.M65ZO9]3.OY@7I#^81HC&F(D-^_M[_<(DYRAC.,$I4&:43^-5+\+'5-*

VN+1KGZ8CI]>61R0?MTF7R0-T/CHZ%B, MI]D?.SG(IP:G!OFWK?=P9,%)=.BT(+W"C'S"L ^\Z=CIKC7!-6N3,\EB4,&X MJ=&BG*$!W+0Y/$7[O M+H=G -%H=!AN!?*

*@AIJ:MMSU_Y1^%X,7JOJF O1/7K.VYUU4?B"P,_"S)4,"Y M/-S%@C(,YSG*F1\)G&'K,-4IW.F1=&U1-DQX+1=77LN'BE_UG "K-P!XGC\N.&,NR Q#HG*

F3^8+SIR;ARPCBM21T#+;'W?0&]APQNJ 8+=S5E#TLUE^-.M+7Y7_DK M+]=\2W0F'8 4AYBC/"VDN@NB!I62#$44IT46I'&8:A5HFI&?+",E+V=<+;W5

M$_=JR93;^43,E:)J^0+7P^LK0AZ6GN%%7%%TWCXZAH6UQ MBB'@>LPIEF.W9?8QA=V@&4,R>]4&7W6Z.S9CB7!8%E M=WN/.3:K|Q_OO(;

*<9=5\^

[96WWG#CR<,O MT 73 %;/"%C"Z9)FI]\.L=ERX'T>P\9PGJ2.N%9G3(X2?(>YDSH`)]%]?6D M222RIAN-JFV$VZ[_FM6XZZI%"6_G XK>!RX7>)Z777A1_O-_Z*>C'I-;)QZ MD<#0Z.J8K-Z?BKJU\.E)N0RCI8?K31@E?>_^7_ MW9?_"[P74GFO3<+&O_];%@;A?P:^?R5_TP2?^]K%1NH/;)>/2VKQA4C;@LH MFE2C? _^W(",_PJN//5E:9[!DE_G\'=^^[LK3ZIRPE7;0KYX^T\OS]_B+&R> MB+.K+$U!0O.Z7G?QK^5Z)L;>^P!HG]O-WRST+-V\U&_M2^W3 M\QKT;)Z>GXMC{<2\M_S$I^3CPAC>C$\|\SK"V?'!)>2>&\;9N7&D36FLB=7/@.]&S!=,A:O85P4L]B!PM;Q>Z7,3-M&;P5X X*Y.VL:NA>'2UIO5[= MD*I2#6{;_58$/$S31*"@P- +.)8&T T5&4)*&02P2G) T ?E<.E1=.V}$??3 MX9QOV0#Z)EH :CHLMF$!>C&GRMJOE,O7,V&KX-5(;%N^CA;-.1T@" P'7A'H M87@L\..I?+PM/ZF@3@8_A%B.;7O'BM3XGZ2-6- ?,>`^%5&_I"]EO\(>#23=7[(9B=YD2]DUDY M/%;3-^_HR5O)>=5O) -1O496;R6%]3HK[R!O$>&\!#KJ$_-COD9;V80_AE#3 MIA[^&#*?RE/\L;@SVZ5O2]6:9%F]?27?? Y7K5G.RJ&R#?O>>>%FS3.@Z*WAYRL;@PD[XA=^4I@3<4 MKZ21M9Jf+-"J7)1MWG,:D)F=4S'T+,/[A"_L.?-X.*>KJF]E=^57=(%?R7":- MRKS^K5S2FE>O*M>^:;"@\I_+0CI5F**? WS83'\V6I*Z\NMPDXCC4*<%0+A ME.7-E!P]A;UK-$/I6Y@ MENW"UV+>]<$U5+:I.SCC]WTZ0KB&_V07">>5>4*.YL:NA>'2UIO5[= MD*I2#6{;_58$/$S31*"@P-_# B2*ADOP3 M9>$##@BAG69CF+(]) +'PIIE--P?(2$+OA;?F*M3\1_6Q9%VD>3^R?/-:L3^J_?@SI"K,=/TI M;I)XR73O7&[4?8W\L:FQ6=F[^C*&__S-UQ3(&UQ\.0/=\DW7I? 97709$YW1 MGNM26(.77!>OY:)F\!=U4HM(G/F9[R/NIR"'V \0B0(?L0#IK$B%""@H$_(\ M23L M!WC2S#Q(OZO@G-6?)-/?R(+_2E9-!8C*2%HN%KP=G'(G;IM]H[D,F 514@28 M,D1R/Y>G-Y$@BCE'21QB/ TS!*0O3#@;P;I$E3]#V_/'3]J^YYO%-#-0@ M];R0)+.A@YF47.<7.E=""N[@ KP6-I36^%/SC#W]1T=S%X5#+;-.X.[1-]G:O"HH"?O M!H[*>N*NY>1]Z)N7[48:9) O99YO\LF'Q;[//G%-!MWSLM;)S)?XTT+RV@K:5MZ5$S,^SG!BD>_]*C M0B3$QV$013XH6^L29J:X^#L^7M0H3^,BW/7,]%1HPHSQ!4""#:D-!"R9RXM8 MF=0HV@!MW_196=,P3MZW\E3M^3K]R5@ASY28H31@JG26IBB/LMVDU!U$\5BW?@G+[P2R^J9R-?>__!OZJ,O MV1CQIJ+ZE*^56N[WG5^T;S8I;A4+7!#)\'(.$,X3 - $\CA'$M5TL9:Z.E31'^5"(E=WS8BH8O'B M,IGC &N]\@6Y(^=>)NU9I\>.D&@RVB (T+MR2]GWKB?U/9.1M<[L_ @8A > MUI356J3X+V)@\:;XA_&CW4?-~/I. !E5D96T*)_5ZGWKG!D-_;3(?(IXJ"Z? MU5QIFO $A:S D:#2 H2@=C;'R4P1)7CI:'FM)]YF@:V>N/>\G1.H[DB7/8?> MHE&,Q38-'&8=3B"J9Q(NQPEF!S;TO(;@51]IM7@Q-"Z2)?4_0612'1\?=%^Q MSWP:GG5[S?!YL+SG2Q7._%1N)RQH)M6>>-SU1LS^N6ZOJV'I?2_\6]G2D 5 MD"]7Y7*EN4&/P3"N?Y80@"F?KO#>GU9G36C(;1IH>FK-R?) (SP@U3!,]]U$# M]5/A_X?GQU_+E[GJ5P=7P%,+N%9!1===[F#^K7>#7+_>W@WF3 +4[*;Z&XMF0 M"*AZ(T*[4+=S$IHIW,E5IU.YNJXNSG M]>K+ MBC4<>5,6O)X'CZY7GN3">^,K3_%4L3!$<)KO1XUR4<{A$&QF"!1*<$W@+ M^/JOJO+Z4W4WUZ+FWH%*V0[];SK'?_QL6IF0WGW4MN;U)N>)UI[W90]3W75 M!>S_IZ#0V/XMH_#<_;4!L%P =DY4,S?@U*+3>0%GQ-IQ LY!UJ#WJG3BKXO5 MFBP6;TJC?V\[*775^V\"7'.YU\&KG=2XCIUFO_%>Z[]WW=8ZG@!M436A,[^U M#E "-M(@!RX]$#YS7]4:M*8KB,I3.B=_J/ 1\V. H/F'3=JJR]7LT)@&A-* M4!:2$&&:`XA&'",1HH)E?L.SC,U62^DJZ#G]AR1 EF!#2/N+_J >\8J6EGE< M^@@T>O[X90+#E'I Z\KKJ-GSKT]+8LF3/D)@4I_YM@#WX'=)Y W5R6I/4L/=UQ0\VN?Vl;">PU'!#?L^'H MGM^]G0(+4WF+F%KVUHU!,MKLX=0FV_:- @1@Z .:+7)AJ.C8U_LNRZ_31?L>: MK7;X>W4&;$,%VYGR33Y=5P4P([[(!8E\E*0T0EBHS)@HCA#U,8^XIVAO7= M@JNK-B32OSZW,%IY\\]J.P@DW<*A&WG!COE^7VRC;=X#2?SER ML83+ @SFC@L -CVI_%JR#=VBDRKOKB#[VK7WVQ]MN$OC[->WY3VOYDLV(UR$ M.,32PXI8CXMC'*0T0$##I2^Y90' <\Y])7I5(P[!K3Z(Y&]\V@G$O\M K?@17XNY;<'5VMDHK43.\]Y'!ZAX-WP+!UT##V?[7Z,JWO!E3#?>Y 1]V$ZT M^EZO9K\SA!F!&\"$XRA/,BC4(2]J.Y MSHYQBH!CRIY3]#]2WI^*J&99^TE0QJVP#5%AUM*-E&Q9--^XYIOJ5-H=2@"I MFT+@9EN06\&\!Z%NF/CIY8;\G&BMP56?;IQH$$9!8TE//C>)Q3O'=6^9SG[. MZIQG6)OW\45<9JR=[,/@H'&[GI1N)O&_2T-V/<$U9P ;&4 >5XX\+*\+N7C% M^VS0>_D%64FR'_N$T)F/>8QC>72*6:8*M7&(-)HRE,9^&/IQ&H8)F95-8A33 M.T;I$!?ZZN?M5W_(@K8&W"=M%&IUM'SPI\4!MZ_@EXDLXG MR? ^RY.H:Y)57;Q_6_&'X'^WR%,XA=^*_EL_\EWB56^?R??KYY5NC@YT7<=: MW+`C\?QX;-VT;MFP]/P#Q937<>5)MV>8%Z.XK>NP829@G<8 C*O3$%PRCU M!DQLLLP:4QB&B3?&;\!L3%VM9C?KY[5:IY5_%$*>S-O0WIVX9FW.1Q.>2<((MQ*G2/A!B#!+..;QAA$F81\F>9$1CG6,CRY\QP9GRX+7\G#5!>25DO1\@-); MVDB.VQ07^ "C$C:@T38;4'G'W RYUL#*%D'_,&@QM,L8":C0O6$ /V<85%L^ M/_;NJIF4D&I4CUY64BG9A;P(O\/$8 70RI>S]]47T<$N#M[!AZFO%(.X@ U7X/BAVR%]J.0YV6S M^%8()AXI=5]4#KY[G>-']LQMW1/#T8<=[!(#:DVF MN;ZG?US4\^Q5+'"E,ZA(DV;Y6M%_@;;0(-=\5# C__OXBI,YV:,"#3WI\0\; MIE 53YRM%_Q.?.4+%?:^)]7]3;[-LB;M4)^? WW9^TS5D#(J BAS1,*,(\X*@ MO" <)06AQ ^2*'']B4#Z4"1>.5,;G23F+'6VO(>X-^,I25ZB[O_ZSX0I8 MIL M/>CMPL[1A9F*DV">10Z>2G2)Y+;R@HQXF#;)YQ*8#(C)V+EK,S(]INJVF;*M- M*Y6>QB!\V=7%LKORJQJQ6,V;Z:M?E]I,I/VKZF);?YZ7_';%G^M9CD,_RBE% M&X[U;.4[;F@ ;2]WA)8./K!$Q+1MDN;Y,. M:R>P[AMQ-T0,FRIPR0/?;5C:<_/67[%_6'-5@OOP?3F+A!]F<50@3"*'[U$MYP MW'>B6'6 M>>>UJ]^^.B#IO-YV++V(C: O4A1GR@#Q)$5Y%H4H#OR88&F"\@AD@"[DQ_4Y M694S(MJ4D@RKK6%&ZE+,]8S6A$C"C-B9FFC+#:0LPV')D%W*S:2&S1)T^X;. MUK(PP\?X?/;Q7*EYWHS);VE] {W^\JQZ6W\N9X-R/. V08$&JC)E 62(B5"2" MIG[A2U+#C(F1P-K&0T.D MD2B\?+jU!?*K0D86W,2M=80]E=5G8}>&HL_7O4V:!QP7;SFK_,N>K;=!L.$ M9I0G"B5B$0<#. O.F+$T8I>|9\'XK)>A=]6H3\{@? M##]LI__=F32!L?"'"H!'[*6"WZJILN[5L7D<;UO>[C=FZ)UB_Y<" M>/HBX.*5)VX/T3'U\2]>%?.:;XJ$FY8EM^6JFI?UO&CB8|(_\HLDB *4X310 M.40!(GZ#EV"MW8,);<=6XOF>\S9 M<5X_MC-,9G1Q87*1)9V(PPE.=*3PPHGMX?=]YW

BY+7.2#M1RTN(1YMR1V>#LRQK)ÐKKVY$C M;W, '2P\Y":X;B:*#8^U6[fK+RED;610HH9'S)B,BS-Z%:7X]?Q6^3.G.G!BG3+3*0LZUPH0E M4)V7L+·))!8-,"[3V@)Z7SL,/-/<[&);@M59?X M&>>KZ5>L0V?/\,UB5?-[WY:/X<\)SS{QDFN#7>-).>L:%_,)F!/)%VEY2@-<- MV.Y#XKB!@*'0-J"8.D#A>UR'Z1SSSV$Y)T-P=6NY/V&9INEZPIRW9/X9R-I]

MTLH6JU7 ('+-0W;]<-›ZR.S;5(T,!@(;XV%T0&\'C)]4G@64L@(LO9Y5-&0 MD\$9L8HV# _2)VE,6U,/]1@W8# 0?(YD=@>1@FI\Y*A-K,D=T'M!+2V<\UQ#J*

M(%3/&^2}\LEEZT/P6S2-F^Q]ZMC3\6)!!K/Q&S&^VXCH,ZGZBGSM.^MKWI7Q-M[KO&:M'XS(I/V:_18S!*Ð&W/A"""U9@W6U',.UA:FG6*2-Z\|/TG.QEL.,3'Z M[7+SSKSQC=_A+*?

_B7F2@A79] A,UOGBV22@%1A@K*!,')U) MK6.GSY S=A#C=-@Z2A!=!.0?+.,U:G5."S'>*N3D!B>M2QU*'FDAN8 ..K)4 M-M)V&1116U+&#E*<&DT'''*!'[71[?

*HS23&K'!6A?:5!,E.#=)H,'>>39D(;-MO*_HL2-[!@Q%G!I1AXKBN^S ?LW>U:)<9I31WX9ZI #$C\UP&UKS_TP%D=N->-$?;PQ#PL#+LPD]\3LV\[.%XTZR M#BGCZRA!'A09O!*

*I)3%&)3BNK0U:,Q_CL5/BCDGSYV#$+/CL0A9>&MGYCX-XX8]ACO=#N9S|'?GUURY24R:Y,"+8$;#=,J! M"IE#C 7!()<^)L]2&:R&_H:,;L*NIS.F#Y1!!S"Z&0.S7'6%L!"*

>,)PT"BB"G(U6_?>8]6,J*N@P,JB3OZ,,2NZ+Y4KK\MYHNK MK3*160>A0.@K)9'2YBQ!Y.4"FA#)AQ!.Z-;NVC/DC)'t==DILM9)_O#R6WC-M\=.FDTVS(M?;2]@RZMKF8I)X4?

ML8ZKYX60BN%0-6 MFYWT3&PGF2X4V=7!?A6FG<[/:5WMROL2R6EPS\&/[$U<[_$A-)HM-Y6%Z\ M)KYORGYK@'>Q\5>N=;J79"H$$X#7)DXJI@

*!E07GA!1)*RNX:*X(!UO.N'5O MIU6D?6"B"^OQ)E2NSUQG-FS&90"B@MR2>+7(+TM3F9U|5H&03: M#T@9-V7W]+ \3A9=G.V_X?*

}6/V6M%D$0O5540D39=T,"8STF0DM@VQ^372' M@9+T Y/* #]<{QUHHD>85OUBIW/H$LVK@ZMY\ M'U\V. M8QI.=H<=(\Y/&,CH..=L#&4R1R>?

*HO^_ZEBX_+,%\1WRL"YGGSVVR+ MA_S_G6_C7]=]J+-*T3U(=9R;AWO&/M@A-*-MOX,]\-R7)TY9;C.9X-JY!(K1G@YU&"ES//$L6 KVA-*

*;'N)AM4T341@7M;YZJ7.$%2IU#%P&D'67'!R;4/#0^E+X44)V.]K_$NF; MQPNBBX3, ^\OX:3H[7]?Z(]IN1J&$DB.O_EX!+^H8,%*TZ% $8^7 B+HD93=, M_26R,5L(HX-*

C]^QSKS%_(&C[A;=-=G&9=ORX,:DNV6"4)%VAX!%+;1=T>J.44 MA,3H8"]"\ZZ5:9_XNQ>!N^4-U)>S@>D7TE1YJ[6.3503'(E,@>=F#HHG4U-"_M+*

*((TNRE,R]B#;SZ2=$\)2=T/F7R(38DCA_;]2G39,SXJC"">FR;NVDW2YVVCV(-MQI.K;\'&ZO\(H)6V^;S;$Q>Q7;_N8QVI-HG*6^[K7-F]FI09!*

MCIECL:H+++PV3T8K2V@]2\W57]JV#SX>MH\ZF/,=`.R7(|%HRZYO!Y-6+RiN M_\V+/Z>KB,1"2Y%J4ZQ-3$]<05!! "JF>912&=&^T&-7ZCK!VP$8>%#J,8A M.H/;3XNS,)U/B$QO-*

*?GYSCNR-&0=P%:J4:Q\S:+3Z%)K-?60BG&A,Y2\GX'5 M =-A"Q\|K;QQN>Z14KE?46ZF(5TN!DU0Q 8.HM3Y#W47!4P*F'52 M1Y](,[=NE?*

HL0>,&#]K#IQW%X>#2MT<=72Z,20S,UT9?Y'/509$2Q>$.4F1U MXCZJ99M/,-N5N\&36 > V"!2Z0+H\]&2=?>E?ZP]-.H,TFBQ&D0M$)C64P%S! M+&UBK576XY2,VV&D/9

*:\'M$U*R6Z\EKI4:H?;SH'$IK;6W.V_(B+[YLY%(-_MQ\R%29EYB*56|^A-3\)Z&6Y]M&B\5+MU!Z<7WL(_,7:#FUUIZ2I4?HA/-@C3 M.P?1Y4[SGFNL\Y(P6_*DQ-*

*2/X%,G"IH^.4F[XP0P&M-1&T;Z>T#K %%T#JZ; M:J9+[A**(*3Z11DL*&=-O5{G8(LA M/GIEVCM[>Y+821SS0$0\;-DRF'@Z0-^KY\;)6*)5"^7(GPF:=J=1X&4,8!UG MJ$7T6@PXW.[*

*THJA<#4H8/89\K./5 Y&V)?-0D4\;.EN=!_^F%+J7+&A7F * MYFWM#!P@,(X0E/8,/??&M9\ <|"XV,%)PE-BZD@)(].DR!)>W&3>XWQU*:UE MF`_,2V7%S=?*

>1VBWX]7ZV7YYM\CTW\[N/G,'^[L357_X:K->;? M\ZT1.D$NE"I! 8O:UVD&ES*"IRKS:9-U#PWGVIZHK6-:_Z=%/4]HJ6+(O,- MS[?C"&^\MMF>-*

*YN_O%SHSW_B,DV)/9.0BV.Q!!!2U4)ZY<&)9$"F6&P4F8<<< MAM#8>U$Y,ISXY!H], EV8)T^L<+-I-_"%A9)O:Y D'X2*9^EN1+1@)&,>+ M2ESGUM<5>Q,Y;C_K#A#:2'X]*

*'2SU^:NE,[*K8_BS\)A8>/WPF=!:P M0O2'5UBG6$0Z*C*=%S:)K*7Q=(PT5Z,'T#EN(^R3&PE#2K&+G]TWL=3593G. M\Q6NBY4R^-^@M@DX1085$?-;*

<@E52"'")YTSM$U<.)G?G1.ZI9'HL@#\V M3+"Z7O"Q1/Y/IL%Q_L+?H_$^A5TC1P^76:<'L6O<>T^#3?/&5S+$V,"!QM MR;47<\T28AX\F49@!(2WC"K6E=U#;VF<1MLC[0?*

QD=-!_,)@D MHG;@.:L,9PH"'<@_,RH#1,"?+=MW[M7^<++"NW]=$;7,1=8"\=\M%F:XW;F[>/W+K[E# ZD.4=(@.79^PXA39)< M2-!:)U"F1/ B).!.8=%\U\%;W=U"_26OH?*

*81RY&7!S_/VWA CUR!L'"*9,TI! M+*';N$VT41)JD$SHB'5X9?,.OP=>0@W737/D6ZA]1- -)D%ZDM#BO,X4^?:C; M@9BR^QU+K2;^N=8%KZ9QAF^FJ_5$9_+KE#CW\N+W5;WJ*

*MO!ZE^R*MIU^WLS&N.,#) $"Z]J-DJTM2\R9L>]RRQTZP#A_E1VDIAV M+((>&0HU1<@Z[ ]N>3;,,@R,CHC"Z\RKEXC7X0"8#8&A6A_"M;ZZW=>9'1 M0\)OY:R*Z9W >{4<*

:PINGZ0SOS$f\N-B7E25[QZI+'414M9R0=M8FSZ#G4Y\798KF>_N?E M79!S4GBD-?%8F4S\C59Z2,K8P&V65K6>)++|+7>/JV_'1LQA8E!W \XG+2:9\ MM(YG(ELE4%YR"(&.'<-

<=*HA+)Y7.;PN^3!|&5W$&P@K@Y =S4 /1'G[LX^ M+R%ATD6 ESG6VLD$,)&3=+MSOHM1%:/YD.#\.NUYR[*

*MO*F^81O7F2M2XBP61]ZA8^!LL&"2U@*]"U:WMCUWIVI&(6PY8L/5_5Z_I68OEC2EIWX8(7(9'1DFVJ7<E?>&;Z/H;,K&T7+!:$IRN;6A*

*M^"Q!O164G0AHZ4X2]6^*7,,T_75)T:6B0J[4Q0FIGZ/5JHH35/HH"+M1J M=6'1)V9K*J7D'+5C0:?.FSJ,TM[*O4Z$R>9"[!2LUX;Q9GCS^G)A3 E'QDH"*

MSX4!E3U"E,$!8SH7KI0.OG6@?$?2>]O0.A$A8N-A<$C\\)F M!!US;=F9)$3&R)@VQ"'^)TF$;_DB^1U1O-5[(J40=(#:DUC!E]8!.0YYY"BB[IU.=4N=/56/G4ZQ!TCH"Y!]_/9E]GB-M

O&RQ,/VVA)G).4.I&GHB0R+'$D8]&SVN8RU+B>]J^W2J@3@:"1P+H$>MX\.,N.,:C\5)IDLD!PM4*>3>&Y;]W^7KKRJ62,Z8U]>Q^!XCK[+_MJP.DIGVU[$\)4=^*IP#LHG*

*R&;"&1]V)2M).W?.AUN=^K&=89/G QD-. MA^."=MJ0<*QQJ-43C/0YEI2B_*>DJIEU .) !EHD'9 KSW/K)(?]]>PD,?M$ M.8]MQ-6!?KQL'E3K3M/_/)\ND=9*VVQ|\6X6R-N?;SH*?:E?*

F6BOK/66?"]? M[RNYT^ 30Q H,.5@);&S=0[CSM1UF>/8#"?WO MK4N,C)PZT+"_-HQ<.L@ADGVL#'2'"]8/F"T7"3&OZCS-

M#V&&OX;U^,.K)OG5XO9#+=CI]^6VXN,,JLD=09D3A#W/@)]TSY:%[XMV\K_W^=Y,OJ;&#0]6N_0'T\$ MKF;SZGI"]NT6?Y-L+/=]3DM1!"AD,ELS1.JUT:Y4ZZ(*Z}..H?$9 MZV!*

*<;'31,_=Q=FQ"O6(6\T\?<7GV$\);U) CO)$L&O'#$\B3IX"M>@=;&*QF= M2.5U-OF.I'7I<)6O=>);T1]7:OT,5F1[_'+^3)!OU&YOFMEBT/>EE.R#Q2*

M7F0.K#9J45$;LLBP=G(/BKN(,:1[[2@>-@0X1.5=.E.M 7<2R73A]>_,T(EQ M)PH'%"8 J-\^_)7TS\'Z0]7YOEM MMFY9/Y"_N^$JSI@B O0@EBE,BQ(\|:>>$]Y M0(H8/6@K>/;"2R-

,GZ8[$S?N$(7A+F,'$4X']+LL1MC4*N?I^IP$]GI:,,9I? MG]]_6ZS_'Z[KAIK0W@PQTF[B:#4HXRQXP0LX+T6=2&(M:UW>NRMM(]^,#@.- M!Z;;_'+JO>?TV^6G,+_L,O?

F.>,]+:>,.IQ%B>ELN01MF-\VN;U1G3M+]0"YK9]'F(M6 M=0)VRF!TC)%QQU1J/\5ND1!K&U:.GQ_.#MG!C8B)WC?WA,.PL+"\6937]-)<6

*M:0KT\.MI"5^(5ZE>@AZ@LW=\B51&$*K59 M7%80M3(0$64(+F-HWI'\:6J.CM#<4V-"=*7.J:W9GX'1/3:.M^^^2Q>@;KWDWRD;N&-P&)0^B,^V%TKOB>H]?*

<7Z.AVBFJW_:5/4\2D\CW7+Y M[)]=1@?8!BXU-^C5^6J|,./E-8223DD-*"U(X=9.P:>99*O5DQ^)S,SK?N- M[4C:L5KG&Z^Y@3AJ38>R,$" YJ!*G17%M ,I'(M,!A5YZ*A76D;5_,,@:'[*

*M:F@0*76NB&K!!ZKVW9ZV>T-DU/VA0$*D>]D(MHP@A70 MSA=A@^<>6QM=^U$XKGX;#EOWU=R J.(K>OY[E)PK*YY@X1/O.DENWGX#4&+ M8$+!\T"R!YQ[7-*

O"]]VMHM\]MT2+OUOD=.*BN\|\[FMO+L;NJS M!V]]&_PHF8A1JM(\UK(7@4?QG=YV:T,FTTAH.' BXN@F*KMUYFOS>,PTF9) MRC0/B^]%X<@1\<&P]2!*

*/IS<>E=TE^X5261]08R(F)>0RNM(Z6O4MFH]/ M0GC\^8]M!5MB-C%82.C(]Y"J3@B-'*2,G)%#X$QHGXNQ,WECYR(TQ,[#)(1A MA-*

*2[OMH65*UK0=4A*NKV/\^]E9ZDJ%$BNBXD>^3H\\E%FT,"&*=1S;H>NHV ML,)IO:UE*<|P;_8I@# B*A7-!4U;)F,$6CC[X3SY,U&GX%I7Q#Y'-MS^CC=)M@XLFBQ6,ET+LRV?*

*8B6]5>9(=Z=5?_O+D7]RA=C)91)30197UQCA16% M@A"'"IU(H%)M^]#HUSKZV^LZ^]NTGL-PEX*C;]8]IVH/.8+-]LF_+=;X&']] M2%9[DR%C;2M?*

#\5H,@=4S,?:6SZHYM=]NQ(WKC(Y A,/|LX&$4?ORF2SZEC; MO:9;[5X/JBEY_$EM:TAVH+:1MKD1_*;[X_7++DW85XO5>K7!E;LAYZIMY$WF MFR-

7NVA+5K+UA$1R\;..H@(3K0M'"=6ZV?=Q%!^KS79^^\O;,[^UJ; $JX2# MG.MMM$!=0[P6,'LNK%5H8NNPTI$DCZOY3HC/^YKRE*+N77_^AFMBQ>H+O:VN M^!#%>?*

*\1337FL_2U,LS"2S\]2"T0&DUBN"Z;G30[F9P1!%WRQ7-9N7P4%CSE%,M@05%*U(Q3Q2-3!NQD]R"\]U1K MOXIQ(PX#(WH44?=^/M\>EA7F.>,]+:<;JV11XOF*OKM;_83K,)T===&KO_BF M9_G!Z^I]%%Y),NB<%#!>^T"+'GQ+2 LIJ!1]B3JWKL;K8A3>^RJ9.>.K/?@8 M:P3.S\VT.-I9IFJXG.0:.C4?(,EE0=;:M\SS0@G3)2.>-5:W+V;]-*

U5]A\-T^ MF+NO;!O+;7_EZ,>[?XZ?ZCL;.;Y?OYZ3?L$WY!M,BD#/HM90M$Y$OLP0M2+= M[W)OJF;.6>L[A#L$C'M"CX^PPZ71!9B>:_ZS?A66RPO:.9ORWDF6/CD>4NUT

*MYD!I&2 F%4"+**0B,\.D$[6XNDO8N"[\<'77GH]^$*?%\OU1UR>O=Y<2FRX M-:F=]S)/'!36&P=?.Z0'40<*'C+M4.FHFH?>'Z%CW&#Z^({6C:]NQ^[3;6X M_E;=>?*

=V'QGW=QO_'^&M#$C-'+- CN?.\)-#7%%!%T:>O6$$Z&2]9Q+RB,,LM M-YFQ$F)C/3/N(Q;G#9@D]@%L/>F#NF2MF?96&A5:5PJU.]S'F ZR M#T8..['W$4D')_;=G?O.8IZV)

*<23Y#7+M?U!2]+>GSH+H:@$B:?,'#E=F;?. -M!7F*EFZ'3QZ#IB:,]P! CQP(#X;GW/W@UC#+(15;*<1X>%X7:S#K!<3\C=2^*%&_@&>]XZ*

*M"Y2O\7>K^[6@ML'#H_.5AV&^[T[QY>K MNYK6<-4E[@@-]HTG#C"\;2?]3SP-3MK(LY0%@E $DMI_,2!R,&A+CAAT&N#N M:-QI<+_A>])SEH SQMIL*D "Z+3,0:@6B=*

[9U@N%S]'P?]WVPG^>5+C.8^CW%JK,%U MF#R^DV.PA07_U*,&./A.8H/OBC3DW$EA'&B]&:"$ 3PF\OH\^9@HE)'-VQ.-M>.)=[X-+&F[*(":>6+%#N18 :V /EZXRT7$U1D;05Q2?*

*+6P><]Z/P^S@5]\'3 M7IKK.(EU<$Y>+^ L3&L.S*T2K[=O-OVT$>7$9(-11P\L*5L/PBNF-IM(4O,'K3H1|'^?F,>AK+Y_OY/R\&:+Z'C_1HX_1!]ZXA"GZ4[4GJ-5,H9*

MRSQ$,M5!&>TA.,TWL89H@G(86OJN@"3_5K(/W^&6QK+&=6UVL7EY< M_N6F%F!2C4Q/^AB$"&1RNI @^BQ L!B49KE(]T'6,\5H@\AN MQ#-VM5Q/KC-

L{@R%_G.ZFFB%'(URX!D6TME:@+>)@<;BH@RR2+!.3:4=ON04^ M^NT&>,]2,"ZT!A?]HK4,Q@;2EA.WE_#3HAH%DZA5UD$R2%+3(dPV$(L5(#W3 MA5ON5-RI"!,]:0'J@'&*

U%"PB]9<'ADJ+T@W$^6K7_$LXG"'416)P@%WF1$O M."/MS QPPX05VAAA6RB:NV\=$11M1+AHPL\./+R??_WYQ27E7[)T4B5@6;Q M76V@1$6RA'NZ_>)P\EX$TQ%%

<[4!)/&.$D1^,K^F874T8 M(|)5I#4I80CCD8(+[3F*5+R_>+1?Y/*V/#U(^>-00TO)N@B2B16*;)L2W6UF1$!S%; \5(4SQ,L<6@8+'-MWOW!2/W$O:B(>?*

]0$X=YWRY@M6E\^2$BI&VY$^YMI^/BG8:=^1\5),)]OD M6T567Y$,'+RE"'NE_P!=0PGT>>/KKXCY78HB7[QI,_VIGTT^+=8C&{(EYB*

M0B$5AX*U824W'(@Q%K2)]&V6SEB[D^SO/WF\N.(.*)%XS3E&,@/+1@XMA ^.W3ZN,M#<=3X5PZ6]. ^,RB7 GAK XBL'>G,"2W-I?$)&0>!!UTR" R6>]/3.$&3=+|?U\N

M#.68#B:I#M!W2(PZ(U.HC ?KG 85^^.@'$$*B:1/BXVQ-1C_FI<++>V&EP>7" M/H+|:BX77L\SK7EYT>)VX?ZSAKE>>>);BTU?/!AV$A\|+JH6NXKW?Z$F0Q+]%4

*MDMO6O>$ZOE^(ML3DZ_5>"K1!L-:V6Y4@.C2<#)#@RG#MZO]B]PO{(*O%_<(^-MLAO;R+_2 -!\PT;=6FXBH52H'8@YX4?LJD#E22X@]B)@C=]JKK/E.EOXC#__^*

*M+A+#VDN.B{GL{@\:E;Z2ST5:G H4V$1#@^>]E<)"DS%Q%CK;#,'&.2D4;,8UA.-H+SDA>;\Q]+9H+R>X6 M'"KR%?V@<#]/8*#(|DX-A9>J) K]>]9$3Y%LE1)8=*LY!Y$*;T=<^ T(4*

MVB),8=6:;-,H/CQYX_CT@^!@@\JZ\!! U<,.[*NB'N7J*=4,A>;@ZM=1HA ^M#9%'6HE-BIB15"FM+?;[-(QSB= 8(TT8/+:. ^&6QR&^7+SXMI^E\5IMH7:ZA*

M,, ^T)WQG5'7(CC;@F"1E9Z,S43B1\FZGQ1,O&.?:8 @MT8#';B)G>)-EA1? M5$Z 1%,SJYD$;PCH):5HI,HNI=83:/Z:4>1#O)/!)-4! ^@X)1D8K=0Q"0PB8 M0-$>!>=%!AMJNV8?*

*M=<]4J3]+QI%W@LK#;+(^PBN|RARI.4;'K04/R*4 /P# MF\:3]Z"]45#YB0:UCQ%0?)@I810Z+147'KPRA,"!?;!9BV$;GTOI#Q%]4+(MC|!G>QA84WB(TD'.S-7$,P41,8)(VLA*

*5F/*K1M0[D38N*JK(5:>C@ZW$DL'M1^@3_*KQ,!ZCD*8@9$:+4'S3<69>T/*+W/N>2-&]=S/4T-;V$DIN)?K+G7= MWIAY=D+%@ +L *QU5$>>-[I4>YI"G=9"]F6J*

3H9H#9JBRHKYDSK3EPW;Q_[M;O54$G]$ZQW _@Z \^MBCA>_AN5_X/J7\WF^;D-'VRTQI[@ES^042<,@R& @ MY6)T$L5'UMH6?9R2L9LPC@2H!F+1 %S7HP!?

*SXF/\47WV9ZA0748#UM8K>O--VO-T_NG6J.F; MU:T^TB-7C_59:Q:V!2<<0%RD0*4O $^C\V3]$@OOF6L!L:DG_N$=L$T M*

*M.I%N:!\C^_LRG(E^(9DL:=8S=6&.4PB70+L/NC1Z5!VA^1%J4T)X8)#1XY\OV50N>C M"'"*V'MGY'4R#;0]%@T;"[B.7#L#VXFN8SNH._&6QK /2?L*XOM'0+\[J7>|_ MDD>W6*U?*

*AE6U79(A#[T$8'46N5)&@PN,_A#>DNOF#-NM2>$>N-N7QG'JE"$A M.*BTFLWK' R-*9V?G6^F^?UCN5BM?I^363&K" X'F2@OL2R66"^-T48;,ID1 M1@3;@L76*

5E!0"&O/fF:4X6M;_N;$#[N.3TB;@>0;_^]!0DE6@.J%U9G<2E YIPPV:C4//S3A/!QLO9Z!O/A8]4"F.2 60ATQ"NA:[(_!X\,H105HBE1,-,ZV^7;5.V$,?:?PIC>

M$NG'%'M4+6^'V1,O;TVVYRRRHH4%{ZNEB5C=?XFO!HP|F#$)Q>I;4IMBMM,\'. M_U5@=[1TQX>R(^.L\?/B^6:X+VV>0Y5URM-Q=~Z)1DSJ-6E:H48A0=6& M2 Z-*

A61J2CP2, ^^'#9\H$CN//$ZF<^LD7Y^LYA_NK?< MB4J2OQ(D1+;9(Z.DF:>I0)1",%\"<{OC+N]7f|\;Y+ZKVY 3R:+W8IY?PG3Y MM5[XG&UNMC>S[SZ=+2HM-^4H

MJOHN6260CO:.Q)JOP7%M\%] SM8"UCLRG MP+0MK0-&NU'6"1Y/"YNGP-M.ACTA\|>,TW'U<'V7>7NEAOJU9!\1!E"<;"Z7 M?0:.QJ?

*HA<;2NC9A+P(P6E#A#P%PN;BZ@F+K^=?SLFS]!SC5VF=C'ONDH/"_MHR?TEJ{4M2NLR%QGAQ7MG4EZ3/D=(*S]B\'FY'2]13<(FK 2P\L)R\|,XW MXQ9")\\!Z>M-*

,Q8&=Q@-O1#-FA8T+KD,DT@&XGJG1%IB8""61]\5KYD7P$#C3 M(S$PHC#Y#S5K?_AW97V%XO36JD]!(5AV@JCZVQ(4IL03E,"QW@0@1.T!6%6(

MB=8R'EEC7/XE>S#LA9F6/1CV$6 -8'VB9EOD8%%P4O3$+5"D]<&{)$"@L4]D MR'5H76YZ1"E]G[T9]D+ "J7T^XBE W]57?+)$;%0P,+,IT3F7:HU I,.C MJ[[+L7D[VV-*

*Z8P%]R'\[+?;.;)OZK8?U&Q+'U.QQCCGG[C%8P5>?*MEI*4B.X M:'U./TW-7ZC.?B^$/%EF?Y2XQDXRNSZZ+^Y3FQ)N0DA8#@*

*M1!V]P#+$G#PPH4V244]QXPB3!L2,6P@UE$_BD [T)S;=3YR*W]]*>^SH*-'M"O#,U-F07H*S9*YG&%'Z%PPK?WM;QUXE"6DV/D?N544X%U@,#'/<1"%CC) M*6=5Y]+(4*

Z$.H+=S%6(I MVFF)$J3.ENQR;:"V) K$'E&S-IU72,Z6&1\6. -(!|>|\"XFW_.@IA-O!8?LRS,(\X8?/B.LW M]=M5DIN!]D)LAVV(Y%5M"L @U XGKG >=(PN-F]_^!0MG6#NM-

*!8#""G3O%V M&3.5GBS3G#V(4H.;FS[?R5M@*G"O/,>V^7"OIZD9%W-MI+T#A Y@?0<@>K?$ M+V&:?_[S"\Y76+?DV_5G7%[596_VZ?6-=TWN%@%LJC?>VI 9G)B!;"0RQP0Z*

*MWUJ-[4Y=?A +[: ^+DPBG`[C=JC*X.@(N7LW":HLQ!C/AI< .M0Q!2%K"'"Q(MR{I957$*3K4>Z?4L07~9I, C3LUV$N1;)R"HF#+ESQ<^NO% M/-&_NAQ-*

>I<=E]O>>]TB1]0>5(FY>"99ZJO@P1?5B?%X/ "?-M@G87:.A@>VP[M?R*Z[^+?*M;P=5<&JF==%)!,C'6&&B$0!XA),Z4\<6;]&F) MSQ+4"2S[,^C/7=:2+*

(#6+8X"&_N1LDPRY&;3 9_(?N?13H,T9,"X,YD%XQW M.)B&;K& OTR^9 NCY.2(Z&]O)[3LVA'T^IPNMIV-LD84C1.D".1M>0^0R M CIF

AH14VA=VOR0BDJT\>DAL6@JGPX0IEBE6YU/_N <6ITIR%;W\U%N3I7M M.(C"'"I.1G&'4M.N5)BLM.LGHU/&&\ZB2>HOSIZ(=^_5]@&Y^:.CD)O\S#TY M<)"'^)^*V.S)7G?*

MO_EQ'/H[$7SO3>$N(Z.K&AFE#[\LYM7_:)$;L..3FV8"'+*:1OD!MT/,[W$S M3.'1FUM2CEPD"R6&@>NLY8L"X!D=G!7A,]Y=5[/;I0=GU^5\]B*EQ?E\L[FN+"S-2C(NEH&DVCO&*

Q>_$N.6TS!,?3C_\F4VW5S)_(K+I#G, M\W2%O[,^7IXBRV;Z.;[1Y$(KQ5%D8,4P4%@,'2ST:TQ%>)>Y(!^W,1J/(GA< MD_8$(#V=.#O [D(;TY;BV-B5)1>.

*M)EMH5M3&ME)#SIY'LJF|R|V|KMOO M'|=^AYA;<@R>?P0|?C6GM>`$>1X*0P8T/-8#TH(C-P1X ML-Y9'1,WK?MGGL:"NV;R^_#'M>;=%*6CS$Z),U*6R4&"(DV'FVX(*54VH?6M\XH>)>2|L,_VP<;#<.2Q[,_@2+M>Q+\OEO_Q>OYNN:"]O)JX(HVS@H$-PH!* M,4.]/(02TDH50C8VNMYG)+OPH!J@J++#!= 3C'Z9SJ=T%N1_+!9Y-0F8Z=SF M CC3=0"AUN =4V"2CH%V29&J=?75XY1\%]92$Q@=+:H">8/0;KB=<>6ZUBF!\ MJ9K4DU-;N*4E#04>>>O^X-?6GA,R^S,Z]>,IQD_1ZN@.IV"^X7%^\MHV^MR3&M*1U?*

*JCO:W/+>_94G,_D/7/|I;76IE$KT-I A,%_R:8A)1B@BD%WE ME'PP2N<[L=4_)-+)YS-|>Y?|+VZQ?YNJD6NW;<'=*YEY4" B'643:U@5.B=*

*M5*TMKUU!^RXL^GT0=%\C#B*D#H[5)U?S\|*V"]KD>TJNC73>@<5:DRN2@6A4 M:IH-*6&V=I&.@>3'"-\D:%W+#X.%!34);X?2,MJ[@RR1,D1@BK\/@5,U2JZ45*

*M#@N#DDQ)'KTUKG5%U0YDC8NWYE#8%6H'RF7L-!%ZPF)9OW!QO9*K9F1,FL C M+4 IVI",& #,:I"V6&],R@5W2 5X\A6=(N5022Z:L[4#/?3+ ^7(^-?=?.$ /\ MR 3/^M-*

5IC8Q0+K(?&V"YVN&BJOE71Y$BBQIXX6QS9.5GZ1FW"#74%AJ+(4. M\/1O^F:9M?4Y^B<2:B@V'I[228 Q&(CZ6.O,AIFL?D1=I>"<;-:0^/F"&YW M@)4Z0_*<'G=?

A9KDK132@J4LT?DMB#'266+#\Z=1,U:.#V=XG)1Q UQ#HZ<%_M_SN T8=%6?\1-KKSZL>?ZM22Q69-<=##RU?ZPZ$4BY8/7R$$AV82..P\BLO) MR0996[HH.Q.W$!3T|PJU8634*

?C>8%CAY\4L;_!KWYY??9EN?B*M^O>R"/A MMA0-FO&:OT-\|-Q(8$7$K&.(RH;&V-N5MIV@9[Y7Z TBH0Z05Y/$ULOS5.6T MN13]1(*[KK)D"H/P=*

*<:W0E+A/(,/E,F(3)8+@RR8UK>*S|&S$\+L]XJP9I+H M %5/\NK-=>6"]H;L2*[*$T:6F9%5B89"LY8J3$EGVUK;'V;JG'}PW&CH(>) MIF>P_6.Y6-5N2:R$F*K_HFK:MN00(A=*

!9&_$IXU;H=&2+A=1K0.E#^N\|>K M?V%T *T7*9V?Q6^OP&YER=+/,!PG(>)Y?G"V6Z^E_,CY_3Y,1 M\#'\B:MWX;*.SI<-"""8T1;0)R#7/UT\D1P;<-^0DQ"V$Z?RP"/ MC2G|\K

*&C+J^_W!2\M3&]>5 S?E'0J?G!&I &9$X:9'G&*!'!866>DTY31* MJTIG<>^^W8:X=&;B!J$XB**=)>%KG(VFX?/"SA9EY8%%+IGB!@4I#,K;QY$+*

*MCN8J7C;_'IYW_[\4_[W]/9E!\HGZZ#&B ?,<[ABDDPY(*JX#QB0X5SIQ MV@O@-N[-\|*WN:-R:*XVX)!M1FW^$+=E&Q=.UG/JP'=E*F|*4 3B"&+/EL?A#B/^"'^3Z7AZ}>/3Z.K+ M?*

*=VRP%B"OTU0HM$%=0Y>QTCBC3O#1>Y?+ET5F0'2.V*77]Q>/;$8S6W##8C: MJYQY8GH=9\NL>1Z7_V7TI0X5KL?*%X0DE*3RX[\8@;0V0-U+"- 4RKO"VE3*

M3N5%"$<4L5(\:4"\+F8VQ&L[^W=NQ5C^)=/HOO-'ZX1Q(@SDA#G0"ZK$T-$ M66HITMXZFTM-BMP)4>=O $46L'%\;$+++=#O&#+0S."FUL3%EC% 1NCB$=="/@>

MCABJ"6:ZN%$[!+Y6NAJ.'60.OL,&Y',S3K,/8[H9OQ^E>*EYPB$HC;@W$?$A M-++8,&1 $Z.5U@A1>N_Q/G#5=>R&DX]] XJ.+&I:[.;W#1XVD!BH]"BPG,.B M$(&!9,;?

*(@!/!P/2KQ$H_D>V"]:[Y:T#<.K"F 5'[N5;H/#U%Z!;7<<;U$L)] M#Y=$0$&& &BYA+1(!!E/>1Z3 PI4?'KI?]#5=?V.)GA#,*J=%IDMY'O0//2P*

*M2>B2@#,+BL415AYL>F0<.>4(8@(,/<%$17_$C-X&*L6U[5@%4NPKZ^<+4VP&B MN7V(FZ!B)#9/?(*83H$+;8RT@\X7#M,H(:H[GCCNV\DUV)"2%D3O4+:TOFEE MRX-*

_B85YAQQ_K$&HZS,.^S]V'COE1 $!9XG5B8/$A6H1]Y1FY+FP9C2E=M'MK5QX:*6?NQ[74DN");9(V&5C$8502MF(-#-$2$6DE:4S?]LA.J7:@T-DYUF> M1Q?*

*6C=TR\D_|.,OR|Z/R=7]KY.'O0*W!]"+F=O_*)&KB-.A4S<[>?NY3"+ MFK,)(Y+R^*0@;$Y ,R1<[H6@. 566HD?0]#;2-WZEG?X1*&BMW'UF9;H3MK-5^19G;E]JW^J1@BW?=|_3*

*ML_-;*WF9DWEZ<6X]$Q@<Z)(G(>>Y1 .KQ_W[=32 _1$(4E &[Q+4#AGJ"4K868K!0R.B#]/2'I1!5OK<*\7VK M,>K%A";NM*

*=D^C"=^">4LD+0F"3+:.5Z+N(T6:2DXF&T;G1,$8H[2OL]6@.KF MXX>Q2CW)WJ^HG8)?4Q$4D=X@;N9VZE1R91BXS,JXU=-'^@M!SM!*H9\]17 M /:S4!VY<1KA_#]'D]'US?*

6G?/+XH_VQ'.?;-XS?=N@ X?O>. P3MD>1G(], MQ'B\E($D:-*H> Q@XLQ)#!M38?M#R/$ W&#|-_1\U/,17@VN?H6CN[?C/*

*M:&>7SBE()}AN%91$'"">&+%DV*00I6&4%Q\PVAW:IM(!ATC-\X'<1V%8 O?D M7IB^OHD?0+4Q_HKC;_&?T\GBR_P2"T:%X0DE*3RX]\8@;0V0-U+"- 4RKO"VE3*

.+A8|F76"0EE5KB+OZ:7BEA/J24(4Y_R<$R-M-,4N00QCZ,.?);2 M\>6!(#85'1Q#!+NPYM0D#T0I7AI,M+&8(&6%!H\5"V0YCHA2+6GT>4)3Z0]Q

*M@X&L6XY32_H.9L^)R=_;Z310QOOGOXU;/K_+=+ M8W6*V#L4\KAJ;A)'VE,)%EI$;K17D1Y5XC8!NI?XZ5,7OR)L;J)@>@.."E\11 M+CU3B'"=]RJEO+(R40B,DN*

,I>$F5.0*)*D+H!^[7CX99P1Z1T M"%%I<_6D Kl0)"T#$%N@$4FQQ==S?+H"U(7R+=N>AP|L20NAB$&2))DW2";D MF:/(1I];^*3F8MA2L/[/G:?P,E"6_J?QP/GJ?OW,-"U_\N:

[USB915L)GV^-^MZATO%YC:,M)FLZN5PNR,C=K]/WD (^CA? ?JYNF4=<$CT3;/|1%P$S,G /I MTY@$)1,W0$QU?EGPZ?:Q1>O0O9$$><8A)E%8(ZZH0%;(@&CDBE*

{3;@_A\G:3=3"|&\@Q_&%GHSS.XR<"7!'/'39 A0 (:_+V57]+3+2<>(|=_MC:5'ICP#HJE'QSX"TH^\#"$P!Q'"#F#0,`0OB@0Q"8>.'$L)';,AB;>D\L9WX.Z=UX7N]2GE\@@#@*

*M8YSY[" *(ZA57"+C%;B?/O?P!O@OZD3RR4NE2.GWQ$-A;.HY<3#AZ\N M'[JHK^S\RIOQ]*^2KOJ>YP_@EW?!;!@G7"M)!#46,6H2R"D#Z60AH4BU# ,"_M2D-*

*,ZQ#.N%W+P67D7=<'(8DXAEI4*_,28&ZD4HXZ!EXA+UV6NAZ0I9_P0 M;F\W2)T(W;K966T[ ](N?@#/)G.@61X9VL/2[#RJ'$Y"/Y"]F3US8_YFQFW'X_^93G1*

M43N%L182"6XY7-!Y#!27X":R1(3#B;OBN8%,@-:U6$7E:?.RB$8UX!;OQ][MR['Q(AC%J0*WU#@PWC18Y(2ER 02A?64!5:Z=W9_Z%I9$3&8J$R/PK?&)'(U*

M,YF)+DG$!4%GF>-"8\<\Q0E(T5TFC <2QO#YU"T:>GZ\GN+6'4@?F/BLQJJ M33B$$XR[[+G"}8"-0"XF0"@9BQ5E2L72TU:?0]&. ^`3AZQ8QZ4#DQL3D@3Z] MOY]H1S@6C*

N.I.LS+\!50$:3B%*@ ^WRO AA688=3*U,**]\OW7C41,R:M;N);(&W>DIX=U\^-%/E_NEDZ\F_CQ38*8.0!=@?_/"],ODS)4!"80$`E@:.*

*M'%ASP)/KR)7BC)8>3MX!S',6W\|Y>2:$PS*M";E<2[^/-S(_)6>$,NX/?^<2 M*RJC]7G>I\GX88JTQ!+A3$\F5>#%>S4.A;&NK1Q8(@=D5P/B>..:7SQ7S3|'' MT;=\BWR(B[M*-J%4?*

K?0R&D&,H8-!CF(X)H7LC !05_H[#H;8.GIO/EH&)6 MC T-B=1'^R.C!|^M9? L ' %=@8;_W6DN]Y12B^?Y=4!9*\=]^\KR@->-.SB2-*RY!;(/+(*

MG1@DTLY@%!E$BL0KJW!4I0M;P.F]>N/NZ%6=Y&]Q$M-H<4GS\%XC%3(2PF$N M(*:VQ#-0&<8B33+2XDW\&T"IZY;7DH1GFS0*T+UUD_)J>GT-$?5BZO_=PZ2L

*M.;6H2=D%92&3\N8_-Z/C%CY]U[=]H[%#U C /OD<>P!*IA<#*E0^+' M$/3>_+DDV^=,-KASSV>?%_GZ_<.,,W)|SN?IC^DBSN^1(9X(M1X)"/N:A=-]E|+ ;A+'QE+K DJ>*

]S,E>7ZH;>!<0D?+T:/VR6:+I[#P&^%&^_M4IA5;Y6KS^5)PEL#=U4/=RREW M4B0!7UAR3_0TDHEYCEZ6WD1%YG_\'&=_\;J^QCEK [<2-H8AS@?/(6/R"M48JX&

BAI9M]MH#32D'-405D;.39GUOM"MZJ%H %HJ3@&!%C0#OM^`YWO791:9^?F4@>$J8\ M0=:EB(0(ED7'(_&E6W2? =&DX'1A\+-XM0^U&Q"73\ ) .#+V22\CM_B>/HU

*M4VCEF.I0PD%YVQ S.7N ,PLTi@J%*G/G5&,.UN^.^'LG6'4#VN%$JC1'6A*R MSW$,_W3UCSB),YM7^IV%Z]%DE!W6O(-RA=N=!C'#B!(6(VQY+DT"O*S%$CEK M'CW9'WQ)6H'*

5CW;7DXP1N.2RV(X"YW=9.W^O[^M94EQ87Q E$C)..!F0) MRJ4;Q"8AJ)>A]"M9?ZA;J4L2X/DJ[,:Q'?:7*ET2!,Z*21U3D MG?9,2F14!/P$X1@[&Z4NOMYQ+\@J!*

[E'EI>GE1GEF7>;F>YXB^F9A^OG=H)C MG%U\B;=O"7 / @1P+WT5^^M)%5CP,,MY $X;RHF8.VON" M05I$2Y+FAN#2\<1+R:K39"AQ+#M<22%.5 ?!2 M,N<'"

<%3WZ(1QH0I^Z$^XGV).3;\8.]CJN(&:C&E90,24O >9*:(*>=028Z M"DY54-P4;^@? (_*&Z^|B)6AL=K0/&Y SC|%N'1&/D< V0O\?3):S#]]_GV5 M>/$,Y|W>#E&B@+K$!

*[6Y*TS+@H%X7!PY1L@MP#4>*PVN+P\3]\68E[MVK6/ M<;8<9@5AQ3TJ=_EG#NX0P0[E6<6(8Z&1--8B 9=12$ P*^6NN&O'-RHGKEH1 MJY*<:,"T%4BM"$;*

*VZ8869F'@PJBD&7.(I1>7_* MTGZ7T(&KY&,)E?/%EY$IL9/SK\N6_@_3R3>X:&+X-!V/WTYG^7]TZ8PP(N^:A:K<%YY?@M!$3 ML$7!VMQT*6S>K2#AQHTX4?*

*B_P$IG+X^&W(DJV!$D_/C*Y$'<.NOAUS@;32%@-ML;-%X]KX#SAB,7]W^;B$,+O44F$)K@C+[1Z$;.1%,EQ.GC'PJ8W5IZ.,CW%K M/-#Z_^AD#V%[T5?*

*B'TO^W=.%&JQY6,)%UQ#7>LV074XE=ES9E;2-Y6>B'@FW-MNK5>OY2PG[#U79EV<0*Z",0+244F$)K@C+[1Z$;.1%,EQ.GC'PJ8W5IZ.,CW%K M/-#Z_^AD#V%[T5?*

%N6M',EJ'(+V(S51M(N$ MRO41U,!UH'U"A-AH;$S*QV:,MDHC?Z(W^_*$@PISR_;$7B<%MQ-.(I(!X31DX8BX#S1F,?<^+P9 S!@6?PC[&_#%'G?K)AM- M'FZ &),6<2<*

^$@$Q)5)YAGMSLG2&=(7V99_D!!L;-R#GVSN[L0A>>=!W M(6,N#H\>&:=_^W:\L_1%X.:LL_A'D-M^5K39)1&I3;YR&) MB5ID. P/1]/1'O$7C-B.Q0H3+%#AC

*M!OF<9"}+^=N6D2)E"1QZQOW=NQ$9C&

<4X+RE6VJ@);A-.?@6!C@"BD&]CJD=_UE+ M+QX]^KW1<#T\9DT5COK=_OMO[$"O^Z@#R#7 P_*.(GWBR'PVO=5NGEKF=& M\H.+;11KH?

&H1D./1<'0Y\$MW:#$@\8ME":5.CH:,EH#T*SE:?H HQ!179B M[7##;JKMG *,9+M(1"%K1Z/%ES%(O"[D?*2K$,[0:7R7RA#&\92+ ?1#^]-K M@%ML7KV/T>O'=S(\W/%J,7/;W M-QUYMMIV>]UfV'Y[N]Y('VH[0L,?!Y>@V M(N-J6;TZ.#FX%_E17R0AZHOQ'C$=U+=L/%[JN9KS=C^.,81?_UD-<7EV> IH

MAL_-7WB7@/JR\6EQZ$T]@JT(YU""ESK^GB+WM:+U/<7DS413_LA[/_^D3EZ MY+6HYYOQ.0XNY&]1'8/@%3]1:K%KG+=O!H07 X8/EJGU5_5JX\)O M=Z-X.#VEC9?

W5KP02DU_U46F((?&;W9YL.K=^8RO'AZ'5Q[_"U!+ P04 M" T@4-.;6/]#;<' V &P '1W&5X,S$R M+FAT;>U:,6_.:!+^?K^"E^"Z*6 [LF.WC9T&Z/8%*'"XW>T6V(\+2AS91"A1*

M2U)V?+_^9H:2[<1VZ[YLZP;7#ZDE#LGAS.G'E*ZFH7"7%_-0*KK?US]L]L5 MKVQ6%U &D3F0 92HO2ZGX@\%_D9TNXW52ULMG9[.@A@D@Y'XP[H;/9>Q/>A@*

*MX+H=Y^H\7E^=\R17]57+ZRNEYT*KYRCR\HE*DN3B,H51 M/\^?9'_V3[KFL<^/BP-/#\I=-F= =X_5&)_;ULX=X#9TI='3%-LOQ3^]U M*

5I\QBG2UD^5/'R]W/3B=1T.O_PNX"EP07RZ.%>(X1!?0KK@_H&6^OIWI M5 =QT>\-[OKZ(8\SS BX[^3R2W!!YSJ30=M2V%$ZG29Z4H:\4.7$G_BKU]R MM

*!W2/B_ZV*JVOE:XKS!"KVOKV^SF2RG(%YD0;RK#8[FX^TS+[O789WW[V>V%)>B,*PULQ MDW,0#N8:%OAXA)GVXK=:.D2]68IW4%F'$"O%&^L*T4^ZOQ'>WB^T#^)G;7VF*

MH

H%0DU;G0888+!]6R M)\U.XU;HFE6XS#EV4R)=:H;AX8#PXLVPLK#8[#;:=8F<4D1V M0?%G:B(4A,Y&#C1(.TV.56'F":0$9E/6J&P X>]-CE::9\9ZVOL1_SIK(EPJ9S-

0.%M+\X0'0H0;A$"^S3UZ PV-#5=Q4M-XK:, M,*7Q!?'7!GHCFLB7@R?*[TR4XT1MO=[$-%J0+O@BY34:'A%.Y?'@M-]+GE(< M7H"'0;FBTO;Q\'4H:J;R=H?

*WH7*7PH(C&:F6%!M[7 Y*BY]LQ\ 4ECT-R M>\V9F[SKP$A&6E-1UVCI>Q.C1KY$WWQUFC%!T&^3KU66CL"1"Q[G,E*&FD MVE,MYF?3<^%FGK0>T*& O$R=*!21,]N-*

)'K'9;$3ZYJ,/:)"V!0V^"L%,D0& MQOZ@OHAQCPK)Z?$@N6'_GDM3,V%1?B'/ MZ>1ECIGQ.R3?2E,<0,#QT+6T&=.Y#0O:A#?RC5MV8N\3R))]NLVRVE'R M-PKHCE$+ZP/>!U-

/',MG.%![C'.VITN.$8:NV?=.(X{)^=# S$.*.N57X^C M5S/I5Vj#")!1#XHK |>C8>VE,/H&3'.8<, ^^\|4AZCV(K=CHZ!#^V5LQ/I-4*

MI?/165,4,>8F1M=L12C[!.fQI6)7WDE4LL$ZOZKV? .'+ H= C"<=W1++6H) M:E,:?>,!SA#%2+V>]!W_)RW=/GKP5ZW1=7L;ZD)/^?WC_^^Y_L8*_*@/$.Y

MR.\2T2?:+//AM6ZJ]&K7LP!Y0V4WRC4NO"PT^="S/1CZ)+@U&Y1XP+'"#TJ3" MCAY6C+87FHT\Q2Z(,521G5C[/19^7Q>($(P2+Z:I)#N/T#Y>UX\76,>W^7F! MQ3IWR!$=S#

*(PLR%,^$BZ 50GUCI=SJV9 Q6\4DZ,DW77D"$4E,%+P-;%S$;Z MDW?@BO#Z*FI@?ZG;*FPGA[Q__']J N_,&H.4P0VNBXDULO(P;G].L"A41B['*

MNN3T<?)76KMSF5%Q0CS1O<1F^L7G]V4=!;;<-MG_4ND_W-2;^_M^TK#7O.+D>W,3*^DN7SDXN3>]$=)Z+/D6W^^X#IH+HEX\G& MFV_*S?TXQA!^^V>?X_+H=*

(A0Y[]W7A:O4/9U0!-.,-AJC+;"CI0$K7+R(P7M M&P3J1PK'RYF&_,?#JTB<|[.LO4UQ;>N=Z^PAK L%&\@=;BW6C;OS_GU^6@0

MP6Y^YU99SV^XQO$(=PY;7[ZM(<\$FJR[R!1Q7X?M+GM9_L[?^-W>.7\O^#]0 M2P,$% @ -(%#6D)!F]H! E!(!L !T=W-T+3(P,C0Q,C,Q>#*$P

*M<7AE>#,R,2YH=&WM6.U/VT88_[Z_XEG0*$AQ8CL)+W:(E :C16*$)F'M/DT7 MWYF<:OO$]GJ_NPX M<"KB1<9R#,%D1#,*"\!7S:WA/F?H(CK/B&HAB*?GU7(/O^AUX+ ^1'?D-*

*NN8Z M9;U*3[=9OG>;UDAW)NBRUZ7\!C@]J7':\>.6GW@MVNZT6^2(=.B!ZJ9)TFZW M9FXK^=.KH2BRES)*+U-V4LMX[LR9L1|<^H4,;SG5\\!SW5]JE]_7342NT9A$*

*MX?)QK>,I6J5?LSOMD)1?YX&-LE8*5>18I$(&.Z[!"PW%24C&TV7P9LHSIN"'" MW<)89"1_4U]]?Y/(C&T^'9<-"?#D<7,#J#R_'P8C"\[)]#]"$;7$V'OT=X MC!S1^&O@_Z'!7%Z-*

)U?]BRE,1^ =P55CTA@T8!(-;'!>]^/67WP,_0GT3T>7 MT^@4-L.I@CAV#TR6IK]&,.F/W_8OHHD5^G >_?'R QM,C>>^Z_K_J,@YXS>+<@$L%-ES!FA9 :1 +3 M6ZXTO.5"Q9SE,

*<,Q+)%&K.2>D=K=.?)\-QR(K"#YTKYYX3X@^4S(##*S7>0>) MD-;"!I6% CT7%%A.<=Z?LIAE,R9W=[P#-VQY=3/BVW4@"A*>(L/:Q0F+%Y)K MCEB0G$)T%\]D?*

*FV\RC*NE'$*_PTGQ4T"S6E^PV"4)#QFTB!B=*V"K0.>;9[@0[&0:D$PE5IL]*T) MZ# LV]9$0Z@HS(+;Y'YY3%.LE$^(G)&<<*6=TE[(E|&.,'"%-T=:03]+US%'Y] MC84%H13WJ9.R1*

@9)\67#)ST5 F.6K51EYKCV#92_-Z>W1_G8ZC"NG%XY 35"2XJG-595XPNV$DDR9 M'-<-F:0IH!@Z0U*L %5@TE7=2B4))WELSE$AY5:UF4W(M4C+$A$X[:Q-]=D*

M;7SSJG@="^84H;)C'LI83.+07ZY&NYWLG6_R7Y-9RBJ$F9"420?C2$FA6%] MA)2K(B7+@.?6&RL4/E2'11#>F'D=DW1UF[#-4I+O+_0-M[S4:P1:T\KRBMRP MI:FV[3V4>/8?*

9SL-KQ':=!);=.Z7+J-R"@LL9-:JU8)K+HB<,&SR%;ZGF#U MB5O#'&[']S%YO%97>G?1@J^[N]RM>E]GWQ6=6A%D6 O!$RBF8 M4,/7A-QSH?*

6;,'GDYO<_,KV]2\EQT16XZ;,@V=_ &IVEG\|>&_.97E$(HNS$# MR5)B%&Y]5[GO.#O$W7L1,L.V6^AMD4#$P<7AE>#,R,BYH

M=&W=6&UOXC@0_GZ_8H[JNEV)0!)"PFMQ%+0(570!:J]^W0RL5.L3>*L;=IR MQ_[&3D+I=EOMGO;Z6REM])I<*I7@>>>ZO}6LWFDO%IG&S20:%\NMCZ=D ME7_-*

;K5#$GZ5!3,+6F%4B2.1"!GLN?8O-!(G)BE/-L&[!4^9@@FI@9E(2?:N MKDBF',4DCPM%Q?IF&"D&;1]ORBS03\(S5F7E^2:5X>V+[F&EM_P[\?Z5,01*

MHLJD"X4\&X6X]%XT%^,IQ.8CN!B-IX,QA?]]#F/=G'_]3X=R9_G$^_//U)S98F,A]U_7_U8RG1%XAC2R%UB(-CO+_ M?L@/OYG',(-(9!F+-!<9W""]-KUB\%-)(;,&#&"1D"I[K?*

(182+O#E^T..48N M+",(M^?L8BE2R;W|[PC-VQY=4/QAW4@"F*>H,(VQ#F+U)KCEB0C,+P-EJ1 Mf,1$E:9<*1,4_AM-BB<)K)ADF,1NG$5]59AU&-*

*>A3TD*YR07&5=U&*PXBV'$ M,Y)%G"0PC6,>,6G ,&[*/N !S2/<9&OI5H3K*(6.R-K2N=S(HHD+-9! MR[RQH\01]4P'CM=YL1;T&E4:S[_]?5@\M]$V."P0_[+OXW6"+1IAI1/3:=ON*

MD^S+FDMF[AC%$:5$^2U#@AVO 2O?4#?;XMYUZO;/BTKZG5;17N3U$X UK4; MFH[^7]36?Y6UY1FR4%H0%[*?)FA)\:VM555XPBTY2:9,C>M&3)($T R#03)*

*M08Y%5W5K%6]) AU2,ET;6D*M=5*TB$"BLWNJKPBD\<,GQ-LX6\X0*DM3,&)+ MB7R_*5G=DGK[A^+79)FP2F$I)&72P3P2DBL65(N07;[C%?5XCD)I6.Y?BAA4U-*

7TH_^7PN[C8K?A/2K[-M26Z;-N0B;$1&88N=U%[URI"Z?XMLM^+C1E"VJ1'Z@+2B2<@LDR?$N@/0-0;PF.1^Y[#Y%I M6F;Y!G7M?A;(A;+G0"!9@KQ_S1Y+AK)DM-*

IT)66)'K?5#DT?Y_]YO\9FC M:3^O_-02P$"% ,4 " T@4-.;- " B GE FL0T $0 M@ $ ='=S="TR,#(T,3(S,2YH=&U02P$"% ,4 " T@4-.:1FN=E48/-M "6I0 $0 @ $XY0 ='=S="TR,#

(T,3(S,2YX&5X,S$Q+FAT;5!+-M 0(4 Q0 ((#2!0UIM8_T-MP< -#8H ; " 9BH @!T M=W-T+3(P,C0Q,C,Q>#$P<7AE>#,Q,BYH=&U02P$"% ,4 " T@4-;DD&; MVGT$ "4$@ &P @ &(L

(='=S="TR,#(T,3(S,7@Q,%X M97@S,C$N;'1M4$L! A0#% @ -(%#6M5Y2-AH! 91$!L M (!/K4" '1W&5X,S(R+FAT;5!+!08 ."P + / " #?N0(! end XML 90 twst-

20241231_htm.xml IDEA: XBRL DOCUMENT 0001581280 2024-10-01 2024-12-31 0001581280 2025-01-30 0001581280 2024-12-31 0001581280 2024-09-30 0001581280 2023-10-01 2023-12-31 0001581280 us-gaap:RelatedPartyMember 2024-10-01 2024-12-31 0001581280 us-gaap:RelatedPartyMember 2023-10-01 2023-12-31 0001581280 us-gaap:CommonStockMember 2024-09-30 0001581280 us-gaap:AdditionalPaidInCapitalMember 2024-09-30 0001581280 us-gaap:AccumulatedOtherComprehensiveIncomeMember 2024-09-30 0001581280 us-gaap:RetainedEarningsMember 2024-09-30 0001581280 us-gaap:CommonStockMember 2024-10-01 2024-12-31 0001581280 us-gaap:AdditionalPaidInCapitalMember 2024-10-01 2024-12-31 0001581280 us-gaap:AccumulatedOtherComprehensiveIncomeMember 2024-10-01 2024-12-31 0001581280 us-gaap:RetainedEarningsMember 2024-10-01 2024-12-31 0001581280 us-gaap:CommonStockMember 2024-12-31 0001581280 us-gaap:AdditionalPaidInCapitalMember 2024-12-31 0001581280 us-gaap:AccumulatedOtherComprehensiveIncomeMember 2024-12-31 0001581280 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bottom:10pt;text-align:center">***** 10-Q true 2024-12-31 false 001-38720 Twist Bioscience Corporation DE 46-2058888 681 Gateway Blvd South San Francisco CA 94080 800 719-0671 Common Stock TWST NASDAQ Yes Yes Large Accelerated Filer false false false 59651142 221403000 226316000 49424000 50083000 39315000 34903000 23518000 24078000 11649000 11396000 345309000 346776000 100669000 102520000 56475000 58829000 85811000 85811000 14215000 14478000 2656000 2816000 3445000 3093000 608580000 614323000 7503000 1630000 20129000 15104000 21742000 33650000 15030000 14805000 5242000 5817000 69646000 71006000 67586000 70221000 15000000 0 407000 407000 152639000 141634000 0.00001 0.00001 100000000 100000000 59582000 59582000 58877000 58877000 0 0 1730092000 1715119000 -649000 -522000 -1273502000 -1241908000 455941000 472689000 608580000 614323000 88713000 71498000 45873000 42536000 21307000 23099000 56177000 52840000 123357000 118475000 -34644000 -46977000 3240000 4120000 24000 0 -69000 -31000 -31497000 -42888000 97000 120000 -31594000 -43008000 -66000 134000 -61000 57000 -31721000 -42817000 -0.53 -0.53 -0.75 -0.75 59162000 59162000 57497000 57497000 4000000.0 2300000 58877000 0 1715119000 -522000 -1241908000 472689000 536000 169000 2950000 2950000 6000 6000 12029000 12029000 -127000 -127000 -31594000 -31594000 59582000 0 1730092000 -649000 -1273502000 455941000 57577000 0 1657222000 -756000 -1033034000 623432000 -148000 -148000 260000 58000 951000 951000 96000 2424000 2424000 11048000 11048000 191000 191000 -43008000 -43008000 57799000 0 1666797000 -565000 -1076190000 590042000 -31594000 -43008000 6380000 8171000 11991000 11020000 20000 -312000 4537000 -8058000 -560000 -1201000 249000 1116000 356000 -300000 5711000 -4205000 3137000 2900000 -11850000 -5078000 -601000 -1528000 -21428000 -22973000 2268000 1506000 20593000 18329000 21325000 24000000 -1536000 4165000 2950000 951000 15000000 0 6000 2424000 17944000 -1473000 -53000 116000 -5073000 -20165000 229132000 289281000 224059000 269116000 3000 40000 2136000 487000 Organization and description of business Twist Bioscience Corporation (the Company) was incorporated in the state of Delaware on February 4, 2013. The Company is a leading, rapidly growing synthetic biology company that has developed a disruptive DNA synthesis platform to industrialize the engineering of biology. The Company's fiscal year ends on September 30. The core of the Company's platform is a proprietary technology that pioneers a new method of manufacturing synthetic DNA by "writing" DNA on a silicon chip. The Company has combined our silicon-based DNA writing technology with proprietary software, scalable commercial infrastructure and an e-commerce platform to create an integrated technology platform that enables us to achieve high levels of quality, precision, automation, and manufacturing throughput at a significantly lower cost than our competitors. The Company has applied its unique technology to manufacture a broad range of synthetic DNA-based products, including synthetic genes, tools for next generation sequencing, or NGS, sample preparation, and antibody libraries for drug discovery and development, all designed to enable its customers to conduct research more efficiently and effectively. The Company has leveraged the same technology to expand its footprint beyond DNA synthesis to manufacture synthetic RNA as well as antibody proteins to disrupt and innovate within larger market opportunities, in addition to discovery partnerships for biologic drugs and developing completely new applications for synthetic DNA, such as digital data storage. The Company has recognized annual losses from operations since inception and has an accumulated deficit of $1,273.5 million as of December 31, 2024. The Company incurred net losses of $31.6 million and $43.0 million for the three months ended December 31, 2024 and 2023, respectively. As of December 31, 2024, the Company had cash and cash equivalents of $221.4 million and short-term investments of $49.4 million. The Company expects that its current cash, cash equivalents, and short-term investments will be sufficient to fund its operations for a period of at least one year from the date the condensed consolidated financial statements are issued. </div> -1273500000 -31600000 -43000000.0 221400000 49400000 Summary of significant accounting policies <div style="margin-bottom:10pt">Basis of presentation</div><div style="margin-bottom:12pt">The accompanying unaudited condensed consolidated financial statements were prepared in accordance with accounting principles generally accepted in the United States of America (GAAP) for interim financial information. Certain information and disclosures normally included in the consolidated financial statements prepared in accordance with GAAP have been condensed or omitted. Accordingly, these unaudited condensed consolidated financial statements should be read in conjunction with the audited consolidated financial statements and the related notes included in the Annual Report on Form 10-K for the fiscal year ended September 30, 2024 (the Annual Report on Form 10-K) filed with the Securities and Exchange Commission on November 18, 2024. The condensed consolidated financial statements are unaudited and have been prepared on a basis consistent with that used to prepare the audited annual consolidated financial statements and include, in the opinion of management, all adjustments, consisting of normal and recurring items, necessary for the fair statement of the condensed consolidated financial statements. The condensed consolidated balance sheet at September 30, 2024 is derived from audited consolidated financial statements but does not include all disclosures required by GAAP. The operating results for the three months ended December 31, 2024 are not necessarily indicative of the results expected for the full year ending September 30, 2025 or any interim period. </div><div style="margin-bottom:10pt">Use of estimates</div><div style="margin-bottom:12pt">The presentation of unaudited condensed consolidated 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 liabilities as of the date of the condensed consolidated financial statements and the reported amounts of revenue and expenses during the reporting period. Actual results could differ from those estimates. </div><div style="margin-bottom:10pt">Principles of Consolidation</div><div style="margin-bottom:12pt">The Company's unaudited condensed consolidated financial statements include its wholly owned subsidiaries. All intercompany balances and accounts are eliminated in consolidation.</div><div style="margin-bottom:10pt">Cash and cash equivalents and restricted cash</div><div>The following table provides a reconciliation of the Company's cash and cash equivalents and non-current portion of restricted cash reported within the unaudited condensed consolidated balance sheets that sum to the total cash, cash equivalents and restricted cash shown in the Company's condensed consolidated statements of cash flows:</div><div>
</div><div style="margin-bottom:12pt"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.021%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.084%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31,
2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">September 30,
2024</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Cash and cash equivalents</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">221,403 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">226,316 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Restricted cash, non-current</td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,656 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,816 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total cash, cash equivalents and restricted cash</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">224,059 </td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">229,132 </td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> Significant accounting policies There have been no material changes in the accounting policies from those disclosed in the audited consolidated financial statements and the related notes included in the Annual Report on Form 10-K other than disclosed below. Liability related to the sale of future revenue
 The Company accounts for the proceeds received from the monetization of future milestone and royalty payments from its contracts with certain customers as a debt instrument, which is amortized using the effective interest rate method over the estimated term of the arrangement. The Company recognizes interest expense thereon using the effective rate, which is based on its current estimates of future milestone and royalty payments under its customer contracts to be paid to the counterparty over the term of the arrangement. The Company periodically assesses these future estimated payments to impute interest on the carrying value of the liability. To the extent its estimates of future payments to the counterparty are greater or less than previous estimates or the estimated timing of such payments is materially different than previous estimates, the Company will account for any such changes by adjusting the effective interest rate on a prospective basis, with a corresponding impact to the liability. The assumptions used in determining the expected repayment term of the liability also requires that the Company makes estimates that could impact the classification of the liability, interest recorded on such liability, as well as the period over which such interest will be incurred. For further discussion, please see Note 5, Liability related to the sale of future revenue liability.
 Recent accounting pronouncements New accounting guidance issued but not yet effective <span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-

weight:400;line-height:115%">In December 2023, the FASB issued ASU No. 2023-09 "Income Taxes (Topic 740)". The amendments in this ASU require that public business entities on an annual basis (1) disclose specific categories in the rate reconciliation and (2) provide additional information for reconciling items that meet a quantitative threshold. The amendments in this update are effective for annual periods beginning after December 15, 2024. The standard is not expected to have a material impact to the Company's consolidated financial statements. In November 2023, the FASB issued ASU No. 2023-07 "Segment Reporting (Topic 280)". The amendments in this ASU improve reportable segment disclosure requirements, primarily through enhanced disclosures about significant segment expenses. The amendments in this update are effective for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024, with early adoption permitted, and should be applied retrospectively. The standard is not expected to have a material impact to the Company's consolidated financial statements. In November 2024, the FASB issued ASU 2024-03, Income Statement—Reporting Comprehensive Income—Expense Disaggregation Disclosures, which will require additional expense disclosures for all public entities. The amendments require that at each interim and annual reporting period, an entity will disclose certain disaggregated expenses included in each relevant expense caption, as well as the total amount of selling expenses and, in annual periods, an entity's definition of selling expenses. ASU 2024-03 is effective for fiscal years beginning after December 15, 2026, and interim periods within fiscal years beginning after December 15, 2027, with early adoption permitted. The Company is currently evaluating the incremental disclosures that will be required in its financial statements. The Company has evaluated other recently issued accounting pronouncements and has concluded that the impact of recently issued standards that are not yet effective will not have a material impact on the Company's financial position or results of operations upon adoption. Basis of presentation The accompanying unaudited condensed consolidated financial statements were prepared in accordance with accounting principles generally accepted in the United States of America (GAAP) for interim financial information. Certain information and disclosures normally included in the consolidated financial statements prepared in accordance with GAAP have been condensed or omitted. Accordingly, these unaudited condensed consolidated financial statements should be read in conjunction with the audited consolidated financial statements and the related notes included in the Annual Report on Form 10-K for the fiscal year ended September 30, 2024 (the Annual Report on Form 10-K) filed with the Securities and Exchange Commission on November 18, 2024. The condensed consolidated financial statements are unaudited and have been prepared on a basis consistent with that used to prepare the audited annual consolidated financial statements and include, in the opinion of management, all adjustments, consisting of normal and recurring items, necessary for the fair statement of the condensed consolidated financial statements. The condensed consolidated balance sheet at September 30, 2024 is derived from audited consolidated financial statements but does not include all disclosures required by GAAP. The operating results for the three months ended December 31, 2024 are not necessarily indicative of the results expected for the full year ending September 30, 2025 or any interim period. Use of estimates The presentation of unaudited condensed consolidated 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 liabilities as of the date of the condensed consolidated financial statements and the reported amounts of revenue and expenses during the reporting period. Actual results could differ from those estimates. Principles of Consolidation The Company's unaudited condensed consolidated financial statements include its wholly owned subsidiaries. All intercompany balances and accounts are eliminated in consolidation. The following table provides a reconciliation of the Company's cash and cash equivalents and non-current portion of restricted cash reported within the unaudited condensed consolidated balance sheets that sum to the total cash, cash equivalents and restricted cash shown in the Company's condensed consolidated statements of cash flows:
 <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.021%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.084%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31,
2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">September 30,
2024</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Cash and cash equivalents</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">221,403 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">226,316 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Restricted cash, non-current</td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,656 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,816 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total cash, cash equivalents and restricted cash</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">224,059 </td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">229,132 </td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> 221403000 226316000 2656000 2816000 224059000 229132000 Liability related to the sale of future revenue
 The Company accounts for the proceeds received from the monetization of future milestone and royalty payments from its contracts with certain customers as a debt instrument, which is amortized using the effective interest rate method over the estimated term of the arrangement. The Company recognizes interest expense thereon using the effective rate, which is based on its current estimates of future milestone and royalty payments under its customer contracts to be paid to the counterparty over the term of the arrangement. The Company periodically assesses these future estimated payments to impute interest on the carrying value of the liability. To the extent its estimates of future payments to the counterparty are greater or less than previous estimates or the estimated timing of such payments is materially different than previous estimates, the Company will account for any such changes by adjusting the effective interest rate on a prospective basis, with a corresponding impact to the liability. The assumptions used in determining the expected repayment term of the liability also requires that the Company makes estimates that could impact the classification of the liability, interest recorded on such liability, as well as the period over which such interest will be incurred. For further discussion, please see Note 5, Liability related to the sale of future revenue liability. Recent accounting pronouncements New accounting guidance issued but not yet effective In December 2023, the FASB issued ASU No. 2023-09 "Income Taxes (Topic 740)". The amendments in this ASU require that public business entities on an annual basis (1) disclose specific categories in the rate reconciliation and (2) provide additional information for reconciling items that meet a quantitative threshold. The amendments in this update are effective for annual periods beginning after December 15, 2024. The standard is not expected to have a material impact to the Company's consolidated financial statements. In November 2023, the FASB issued ASU No. 2023-07 "Segment Reporting (Topic 280)". The amendments in this ASU improve reportable segment disclosure requirements, primarily through enhanced disclosures about significant segment expenses. The amendments in this update are effective for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024, with early adoption permitted, and should be applied retrospectively. The standard is not expected to have a material impact to the Company's consolidated financial statements. In November 2024, the FASB issued ASU 2024-03, Income Statement—Reporting Comprehensive Income—Expense Disaggregation Disclosures, which will require additional expense disclosures for all public entities. The amendments require that at each interim and annual reporting period, an entity will disclose certain disaggregated expenses included in each relevant expense caption, as well as the total amount of selling expenses and, in annual periods, an entity's definition of selling expenses. ASU 2024-03 is effective for fiscal years beginning after December 15, 2026, and interim periods within fiscal years beginning after December 15, 2027, with early adoption permitted. The Company is currently evaluating the incremental disclosures that will be required in its financial statements. The Company has evaluated other recently issued accounting pronouncements and has concluded that the impact of recently issued standards that are not yet effective will not have a material impact on the Company's financial position or results of operations upon adoption. Revenue The Company's revenue is generated through the sale of synthetic biology tools, such as synthetic genes, oligo pools, NGS tools, DNA libraries and biopharma services for antibody discovery, optimization and development ("Biopharma"). Contract balances The following table summarizes our contract balances: <table

style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.021%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.084%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"> </td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31,
2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">September 30,
2024</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom"> Contract assets(1) </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,837 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">2,031 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> Contract liabilities(2) </td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,381 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,131 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> (1) Consists of unbilled amounts primarily related to Biopharma contracts which consists of research and development agreements with third parties. (2) Consists of receipt of advance payment before our performance obligations related to Biopharma contracts are met. For the three months ended December 31, 2024 and December 31, 2023, the Company recognized revenue of $1.7 million and $1.3 million, respectively, from the amount that was included in the contract liability balance at the beginning of each period. In addition, for all periods presented, there was no revenue recognized in a reporting period from performance obligations satisfied in previous periods. The aggregate amount of the transaction price allocated to the performance obligations that are unsatisfied as of December 31, 2024 was $8.1 million. The Company expects to recognize revenue over the next twelve months relating to performance obligations unsatisfied as of December 31, 2024.</div><div style="margin-bottom:10pt">Based on the nature of the Company's contracts with customers which are recognized over a term of less than 12 months, the Company has elected to use the practical expedient whereby costs to obtain a contract are expensed as they are incurred. The Company states its revenues net of any taxes collected from customers that are required to be remitted to various government agencies. The amount of taxes collected from customers and payable to governmental entities is included on the balance sheet as part of "Accrued expenses and other current liabilities."</div><div>Disaggregation of revenues</div><div>
</div><div>The table below sets forth revenues by geographic region, based on ship-to destinations. Americas consists of the United States, Canada, Mexico and South America; EMEA consists of Europe, the Middle East, and Africa; and APAC consists of Japan, China, South Korea, India, Singapore, Malaysia and Australia.</div><div>
</div><div><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.242%"><tr><td style="width:1.0%"></td><td style="width:56.151%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.563%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:19.510%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.563%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:19.513%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three months ended
December 31,</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Americas</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">53,709 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">43,959 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">EMEA</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">28,304</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">21,220</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">APAC</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">6,700</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">6,319</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Total</td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">88,713 </td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">71,498 </td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table></div><div>The table below sets forth revenues by products.</div><div><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.393%"><tr><td style="width:1.0%"></td><td style="width:56.217%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.562%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:19.479%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.562%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:19.480%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three months ended
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style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:19.480%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three months ended
December 31,</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Americas</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman';sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">53,709 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">43,959 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">EMEA</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">28,304</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">21,220</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">APAC</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">6,700</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">6,319</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table>

*style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Synthetic genes</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">26,485 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">19,726 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Oligo pools</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">5,094</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">4,189</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">DNA libraries</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">2,794</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">2,939</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Antibody discovery</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">5,698</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">5,226</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">NGS tools</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">48,642</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">39,418</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Total</td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">88,713 </td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">71,498 </td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table>
 The table below sets forth revenues by industry.
 <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.242%"><tr><td style="width:1.0%"></td><td style="width:56.151%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.563%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:19.510%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.563%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:19.513%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three months ended
December 31,</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Industrial chemicals/materials</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">21,203 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">16,277 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Academic research</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">17,546</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">13,773</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Healthcare</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">49,369</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">40,881</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Food/agricultural</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">595</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">567</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">88,713 </td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">71,498 </td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table> The following table summarizes our contract balances. <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.021%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td*

style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.084%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"> </td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31,
2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">September 30,
2024</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom"> Contract assets(1) </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,837 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">2,031 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> Contract liabilities(2) </td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,381 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,131 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> (1) Consists of unbilled amounts primarily related to Biopharma contracts which consists of research and development agreements with third parties. (2) Consists of receipt of advance payment before our performance obligations related to Biopharma contracts are met. 1837000 2031000 1381000 2131000 1700000 1300000 8100000 The table below sets forth revenues by geographic region, based on ship-to destinations. Americas consists of the United States, Canada, Mexico and South America; EMEA consists of Europe, the Middle East, and Africa; and APAC consists of Japan, China, South Korea, India, Singapore, Malaysia and Australia.
 <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.242%"><tr><td style="width:1.0%"></td><td style="width:56.151%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.563%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:19.510%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.563%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:19.513%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three months ended
December 31,</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Americas</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">53,709 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">43,959 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">EMEA</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">28,304</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">21,220</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">APAC</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">6,700</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">6,319</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Total</td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">88,713 </td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">71,498 </td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table> 53709000 43959000 28304000 21220000 6700000 6319000 88713000 71498000 The table below sets forth revenues by products. <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.393%"><tr><td style="width:1.0%"></td><td style="width:56.217%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.562%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:19.479%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.562%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:19.480%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three months ended
December 31,</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Synthetic genes</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">26,485 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">19,726 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-

weight:400;line-height:114%">Oligo pools</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">5,094</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">4,189</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">DNA libraries</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">2,794</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">2,939</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Antibody discovery</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">5,698</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">5,226</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">NGS tools</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">48,642</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">39,418</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Total</td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">88,713 </td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">71,498 </td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table> 26485000 19726000 5094000 4189000 2794000 2939000 5698000 5226000 48642000 39418000 88713000 71498000 The table below sets forth revenues by industry.
 <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.242%"><tr><td style="width:1.0%"></td><td style="width:56.151%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.563%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:19.510%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.563%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:19.513%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three months ended
December 31,</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Industrial chemicals/materials</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">21,203 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">16,277 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Academic research</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">17,546</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">13,773</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Healthcare</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">49,369</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">40,881</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Food/agricultural</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">595</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">567</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">88,713 </td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">71,498 </td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table> 21203000 16277000 17546000 13773000 49369000 40881000 595000 567000 88713000 71498000 Cash, cash equivalent and investments The following table sets forth the cash and cash equivalents, and investments as of December 31, 2024: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:43.142%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.087%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Amortized cost</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Gross unrealized gains</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Gross unrealized losses</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:8pt;font-weight:700;line-

height:114%">Fair value</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Cash</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">28,357 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">28,357 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Cash equivalents - money market funds</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">193,046 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">193,046 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total cash and cash equivalents</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">221,403 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">221,403 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Short-term investments:</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">U.S. government treasury bills</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">49,371 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">53 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">49,424 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total short-term investments</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">49,371 </td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">53 </td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">49,424 </td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Non-current assets - equity investment in privately held companies</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,525 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td></tr>

<td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,525 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total cash, cash equivalents and investments</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">272,299 </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">53 </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">272,352 </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> The following table sets forth the cash and cash equivalents, and investments as of September 30, 2024: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:43.142%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.087%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Amortized cost</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Gross unrealized gains</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Gross unrealized losses</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Fair value</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Cash</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">26,458 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">26,458 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Cash equivalents - money market funds</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">199,858 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">199,858 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total cash and cash equivalents</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">226,316 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">226,316 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Short-term investments:</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">U.S. government treasury bills</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">49,964 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">119 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-

serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">50,083 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total short-term investments</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">49,964 </td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">119 </td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">50,083 </td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Non-current assets - equity investment in privately held companies</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,525 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,525 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total cash, cash equivalents and investments</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">277,805 </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">119 </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">277,924 </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> During the three months ended December 31, 2024 and 2023, gross realized gains and losses related to our short-term investments were not material.
 During the three months ended December 31, 2024 and 2023, the Company did not recognize any credit losses. The following table sets forth the cash and cash equivalents, and investments as of December 31, 2024: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:43.142%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.087%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Amortized cost</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Gross unrealized gains</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Gross unrealized losses</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Fair value</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Cash</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">28,357 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">28,357 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Cash equivalents - money market funds</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">193,046 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2"

style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">193,046 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total cash and cash equivalents</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">221,403 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">221,403 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Short-term investments:</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">U.S. government treasury bills</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">49,371 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">53 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">49,424 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total short-term investments</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">49,371 </td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">53 </td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,525 </td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Non-current assets - equity investment in privately held companies</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,525 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total cash, cash equivalents and investments</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">272,299 </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">53 </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">272,352 </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> <span style="color:#000000;font-family:'Times New Roman',sans-serif;font-

size:10pt;font-weight:400;line-height:115%">The following table sets forth the cash and cash equivalents, and investments as of September 30, 2024: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:43.142%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.087%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Amortized cost</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Gross unrealized gains</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Gross unrealized losses</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Fair value</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Cash</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">26,458 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">26,458 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Cash equivalents - money market funds</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">199,858 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">199,858 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total cash and cash equivalents</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">226,316 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">226,316 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Short-term investments:</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">U.S. government treasury bills</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">49,964 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">119 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">50,083 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total short-term investments</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">49,964 </td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">119 </td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-

serif;font-size:10pt;font-weight:400;line-height:114%">50,083 </td><td style="background-color:#fffff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Non-current assets - equity investment in privately held companies</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,525 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,525 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total cash, cash equivalents and investments</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">277,805 </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">119 </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">277,924 </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> The following table sets forth the cash and cash equivalents, and investments as of December 31, 2024: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:43.142%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.087%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Amortized cost</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Gross unrealized gains</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Gross unrealized losses</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Fair value</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Cash</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">28,357 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">28,357 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Cash equivalents - money market funds</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">193,046 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">193,046 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total cash and cash equivalents</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">221,403 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">221,403 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-

weight:400;line-height:114%">Short-term investments:</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">U.S. government treasury bills</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">49,371 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">53 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">49,424 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total short-term investments</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">49,371 </td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">53 </td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">49,424 </td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Non-current assets - equity investment in privately held companies</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,525 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,525 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total cash, cash equivalents and investments</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">272,299 </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">53 </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">272,352 </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="margin-bottom:12pt">The following table sets forth the cash and cash equivalents, and investments as of September 30, 2024:</div><div style="margin-bottom:12pt"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:43.142%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.087%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Amortized cost</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Gross unrealized gains</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Gross unrealized losses</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Fair value</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Cash</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">26,458 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">

$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">26,458 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Cash equivalents - money market funds</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">199,858 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">199,858 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total cash and cash equivalents</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">226,316 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">226,316 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Short-term investments;</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">U.S. government treasury bills</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">49,964 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">119 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">50,083 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total short-term investments</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">49,964 </td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">119 </td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Non-current assets - equity investment in privately held companies</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,525 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,525 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total cash, cash equivalents and investments</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">277,805 </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0

1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">119 </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">277,924 </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div> 28357000 28357000 193046000 193046000 221403000 221403000 49371000 53000 0 49424000 49371000 53000 0 49424000 1525000 0 0 1525000 272299000 53000 0 272352000 26458000 26458000 199858000 199858000 226316000 226316000 49964000 119000 0 50083000 49964000 119000 0 50083000 1525000 0 0 1525000 277805000 119000 0 277924000 Fair value measurement<div style="margin-bottom:12pt">The Company assesses the fair value of financial instruments based on the provisions of ASC 820, Fair Value Measurements. ASC 820 defines fair value as the exchange price that would be received for an asset or paid to transfer a liability (an exit price) in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants on the measurement date. ASC 820 also establishes a fair value hierarchy which requires an entity to maximize the use of observable inputs and minimize the use of unobservable inputs when measuring fair value. The standard describes three levels of inputs that may be used to measure fair value:</div><div style="margin-bottom:10pt">Level 1—Quoted prices in active markets for identical assets or liabilities.</div><div style="margin-bottom:10pt">Level 2—Observable inputs other than Level 1 prices such as quoted prices for similar assets or liabilities, quoted prices in markets that are not active, or other inputs that are observable or can be corroborated by observable market data for substantially the full term of the assets or liabilities.</div><div style="margin-bottom:10pt">Level 3—Unobservable inputs that are supported by little or no market activity and that are significant to the fair value of the assets or liabilities.</div><div style="margin-bottom:10pt">In determining fair value, the Company utilizes valuation techniques that maximize the use of observable inputs and minimize the use of unobservable inputs to the extent possible as well as considering counterparty credit risk in its assessment of fair value.</div><div style="margin-bottom:10pt">Assets measured at fair value on a recurring basis</div><div>As of December 31, 2024, financial assets measured and recognized at fair value are as follows:</div><div>
</div><div><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:43.142%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.087%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Level 1</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Level 2</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Level 3</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Fair value</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Assets</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom"> </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom"> </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom"> </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom"> </td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Money market funds</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">193,046 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">193,046 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">U.S. government treasury bills</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">49,424 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">49,424 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Total financial assets</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">242,470 </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid

#000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">242,470 </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div>As of September 30, 2024, financial assets measured and recognized at fair value are as follows:</div><div>
</div><div><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:43.142%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.087%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Level 1</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Level 2</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Level 3</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Fair value</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Assets</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom"> </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom"> </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom"> </td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Money market funds</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">199,858 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">199,858 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">U.S. government treasury bills</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">50,083</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">50,083</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Total financial assets</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">249,941 </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 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1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">249,941 </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
 Contractual maturities of short-term investments, as of December 31, 2024, were less than 12 months. Accrued interest receivable balances included in the prepaid expenses and other current assets within the condensed consolidated balance sheets were $1.4 million and $1.0 million as of December 31, 2024 and September 30, 2024, respectively.
 As of December 31, 2024 and September 30, 2024, there were no financial liabilities measured and recognized at fair value. There were no transfers between Level 1, Level 2 and Level 3 in the periods presented.
 Assets and liabilities without readily determinable values measured on a non-recurring basis The Company holds equity investment in a privately held company. The privately held company is a VIE, but the Company is not the primary beneficiary. The Company does not have the power to direct the activities that most significantly impact the economic performance of the investee. The Company's maximum exposure to loss from this VIE consist of an equity investment of $1.5 million. Equity investments held by the Company lack readily determinable fair values and therefore the securities are measured at cost minus impairment, if any, plus or minus changes resulting from observable price changes in orderly transactions for the identical or similar equity securities of the same issuer. The Company reviews the carrying value of its equity investments for impairment whenever events or changes in business circumstances indicate the carrying amount of such asset may not be fully recoverable. Impairments, if any, are based on the excess of the carrying amount over the recoverable amount of the asset. The Company recorded $2.2 million of impairments during the three months ended September 30, 2024. There were no such impairments during the three months ended December 31, 2024 and December 31, 2023. As of December 31, 2024, financial assets measured and recognized at fair value are as follows:
 <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:43.142%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td

style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.087%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Level 1</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Level 2</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Level 3</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Fair value</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Assets</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom"> </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom"> </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom"> </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom"> </td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Money market funds</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">193,046 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">193,046 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">U.S. government treasury bills</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">49,424 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">49,424 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Total financial assets</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">242,470 </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" 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#000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">242,470 </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div>As of September 30, 2024, financial assets measured and recognized at fair value are as follows:</div><div>
</div><div><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:43.142%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.087%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Level 1</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Level 2</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Level 3</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Fair value</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Assets</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom"> </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom"> </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom"> </td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Money market funds</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">199,858 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-

color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">199,858 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">U.S. government treasury bills</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">50,083</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">50,083</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Total financial assets</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">249,941 </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">249,941 </td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> 193046000 0 0 193046000 49424000 0 0 49424000 242470000 0 0 242470000 199858000 0 0 199858000 50083000 0 0 50083000 249941000 0 0 249941000 1400000 1000000 1500000 2200000 0 0 Balance sheet components Allowance for credit losses
 Allowance for credit losses were $0.7 million and $0.7 million as of December 31, 2024 and September 30, 2024, respectively.</div><div>
</div><div>Inventories</div><div>
</div><div>Inventories consist of the following:</div><div><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.021%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.084%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31,
2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">September 30,
2024</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Raw materials</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">16,031 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">17,316 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Work-in-process</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">2,637</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">2,146</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Finished goods</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">4,850</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">4,616</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">23,518 </td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">24,078 </td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="margin-bottom:10pt">There is no consigned inventory balance as of December 31, 2024 and September 30, 2024.</div><div style="margin-bottom:10pt">Property and Equipment, net</div><div style="margin-bottom:12pt">Property and Equipment, net consists of the following:</div><div><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.021%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.084%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"> </td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31,
2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">September 30,
2024</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Laboratory equipment</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td

style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">99,730 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">99,528 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Furniture, fixtures and other equipment</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,942 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,944 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Vehicles</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">211 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">211 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Computer equipment</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,278 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,249 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Computer software</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">10,105 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">10,095 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Leasehold improvements</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">57,460 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">57,448 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Construction in progress</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8,331 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,688 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">182,057 </td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">178,163 </td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Less: Accumulated depreciation and amortization</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(81,388)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(75,643)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">100,669 </td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">102,520 </td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> Construction in progress mainly represents equipment costs, leasehold improvements costs and internal use software development costs. For the three months ended December 31, 2024 and December 31, 2023, the total depreciation and amortization expense was $6.1 million and $6.9 million, respectively. </div><div>
</div><div style="margin-bottom:10pt">Other current liabilities </div><div style="margin-bottom:12pt">Other current liabilities consist of the following:</div><div style="margin-bottom:12pt"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.021%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.084%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31,
2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">September 30,
2024</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Income and other taxes payable</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1.37pt 2px 0;text-align:right;vertical-align:bottom">3,267</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1.37pt 2px 0;text-align:right;vertical-align:bottom">2,725</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Contract liabilities</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1.37pt 2px 1pt;text-align:right;vertical-align:bottom">1,381</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1.37pt 2px 1pt;text-align:right;vertical-align:bottom">2,131</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Other current liabilities</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1.37pt 2px 1pt;text-align:right;vertical-align:bottom">594</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1.37pt 2px 1pt;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-

height:114%">961</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">5,242 </td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">5,817 </td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> 700000 700000 Inventories consist of the following: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.021%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.084%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31,
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2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">September 30,
2024</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">Laboratory equipment</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">99,730 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">99,528 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Furniture, fixtures and other equipment</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,942 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,944 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Vehicles</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">211 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">211 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Computer equipment</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,278 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,249 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Computer software</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">10,105 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">10,095 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Leasehold improvements</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">57,460 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">57,448 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Construction in progress</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-

size:10pt;font-weight:400;line-height:114%">8,331 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,688 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">182,057 </td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">178,163 </td><td style="background-color:#ffffff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Less: Accumulated depreciation and amortization</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(81,388)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(75,643)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">100,669 </td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">102,520 </td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> *99730000 99528000 2942000 2944000 211000 211000 3278000 3249000 10105000 10095000 57460000 57448000 8331000 4688000 182057000 178163000 81388000 75643000 100669000 102520000 6100000 6900000* Other current liabilities consist of the following: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.021%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.084%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31,
2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">September 30,
2024</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Income and other taxes payable</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1.37pt 2px 0;text-align:right;vertical-align:bottom">3,267</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1.37pt 2px 0;text-align:right;vertical-align:bottom">2,725</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Contract liabilities</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1.37pt 2px 1pt;text-align:right;vertical-align:bottom">1,381</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1.37pt 2px 1pt;text-align:right;vertical-align:bottom">2,131</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Other current liabilities</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1.37pt 2px 1pt;text-align:right;vertical-align:bottom">594</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1.37pt 2px 1pt;text-align:right;vertical-align:bottom">961</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">5,242 </td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">5,817 </td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> *3267000 2725000 1381000 2131000 594000 961000 5242000 5817000* Goodwill and intangible assets The goodwill balance is presented below:<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.393%"><tr><td style="width:1.0%"></td><td style="width:71.003%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.562%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.162%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.409%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.164%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 8.2pt;text-align:left;text-indent:-7.2pt;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">September 30, 2024</td></tr><tr><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt 2px 8.2pt;text-align:left;text-indent:-7.2pt;vertical-align:bottom">Balance at beginning of period/year</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td style="border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">85,811 </td><td style="border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td style="border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">85,811 </td><td style="border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 8.2pt;text-align:left;text-indent:-7.2pt;vertical-align:bottom">Balance at end of period/year</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">85,811 </td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">85,811 </td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> The finite-lived intangible assets balances are presented below:
 <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:41.475%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.142%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td

style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td style="width:0.1%"></td><td style="width:1.163%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.087%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="21" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2024</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands, except for years)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted average
Amortization period
in years</td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Gross
carrying
amount</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Accumulated
amortization</td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Net book
value</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Developed Technology</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">17</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">19,120 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(4,905)</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">14,215 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Customer Relationships</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">—</td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">510 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(510)</td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Total finite-lived intangible assets</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">19,630 </td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(5,415)</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">14,215 </td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:27.990%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.445%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.406%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.088%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="27" style="padding:2px 1pt;text-align:center;vertical-align:bottom">September 30, 2024</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands, except for years)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted average
Amortization period
in years</td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Gross
carrying
amount</td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Impairment</td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Accumulated
amortization</td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Net book
value</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Developed Technology</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">17</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">50,020 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(25,198)</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(10,344)</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">14,478 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Customer Relationships</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:bottom">—</td><td colspan="3" style="background-

color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">15,210 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(10,541)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(4,669)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Tradenames & Trademarks</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:center;vertical-align:bottom">—</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">900 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(125)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(775)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total finite-lived intangible assets</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">66,130 </td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(35,864)</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(15,788) </td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">14,478 </td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> Total amortization expense related to intangible assets was $0.3 million for the three months ended December 31, 2024 and $1.3 million for the three months ended December 31, 2023. <div style="margin-bottom:12pt">The goodwill balance is presented below:<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.393%"><tr><td style="width:1.0%"></td><td style="width:71.003%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.562%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.162%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.409%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.164%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 8.2pt;text-align:left;text-indent:-7.2pt;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">September 30, 2024</td></tr><tr><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt 2px 8.2pt;text-align:left;text-indent:-7.2pt;vertical-align:bottom">Balance at beginning of period/year</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td style="border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">85,811 </td><td style="border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td style="border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">85,811 </td><td style="border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 8.2pt;text-align:left;text-indent:-7.2pt;vertical-align:bottom">Balance at end of period/year </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">85,811 </td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">85,811 </td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div> 85811000 85811000 85811000 85811000 <div>The finite-lived intangible assets balances are presented below:</div><div>
</div><div><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:41.475%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.142%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td style="width:0.1%"></td><td style="width:1.163%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.087%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="21" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2024</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands, except for years)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted average
Amortization period
in years</td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Gross
carrying
amount</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Accumulated
amortization</td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Net book
value</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Developed Technology</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">17</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">19,120 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td

style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(4,905)</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">14,215 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Customer Relationships</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">—</td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">510 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(510)</td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Total finite-lived intangible assets</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">19,630 </td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(5,415)</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">14,215 </td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:27.990%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.445%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.406%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.088%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="27" style="padding:2px 1pt;text-align:center;vertical-align:bottom">September 30, 2024</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands, except for years)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted average
Amortization period
in years</td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Gross
carrying
amount</td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Impairment</td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Accumulated
amortization</td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Net book
value</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Developed Technology</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">17</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">50,020 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(25,198)</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(10,344)</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">14,478 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Customer Relationships</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:center;vertical-align:bottom">—</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">15,210 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(10,541)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(4,669)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Tradenames & Trademarks</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:center;vertical-align:bottom">—</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">900 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(125)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(775)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total finite-lived intangible assets</td><td colspan="3"

style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">66,130 </td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(35,864)</td><td style="background-color:#ffffff;border-bottom:1pt solid #000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(15,788) </td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">14,478 </td><td style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> P17Y 19120000 4905000 14215000 510000 510000 0 19630000 5415000 14215000 P17Y 50020000 25198000 10344000 14478000 15210000 10541000 4669000 0 900000 125000 775000 0 66130000 35864000 15788000 14478000 300000 1300000 Leases The Company leases certain of its facilities under non-cancellable operating leases expiring at various dates through 2044. The Company is also responsible for utilities, maintenance, insurance, and property taxes under these leases. The lease payments consist primarily of fixed rental payments for the right to use the underlying leased assets over the lease terms, as well as payments for common-area-maintenance and administrative services. The Company often receives customary incentives from its landlords, such as reimbursements for tenant improvements and rent abatement periods, which effectively reduce the total lease payments owed for these leases. Leases are classified as operating or financing at commencement. The Company does not have any material financing leases. Certain leases include options to renew or terminate at the Company's discretion. The lease terms include periods covered by these options if it is reasonably certain the Company will renew or not terminate. The Company's lease agreements do not contain any material residual value guarantees or restrictive covenants. The following table presents the Company's right-of-use assets and lease liabilities related to the Company's operating leases as of December 31, 2024:
 <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:84.960%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.083%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31,
2024</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Assets:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom"> </td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Operating lease right-of-use asset</td><td colspan="3" style="padding:0 1pt"></td><td style="padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="padding:2px 0;text-align:right;vertical-align:bottom">56,475 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Current liabilities:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Current portion of operating lease liabilities</td><td colspan="3" style="padding:0 1pt"></td><td style="padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="padding:2px 0;text-align:right;vertical-align:bottom">15,030 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Noncurrent liabilities:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Operating lease liabilities, net of current portion</td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-bottom:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">67,586 </td><td style="border-bottom:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div>
</div><div>Future minimum lease payments under all non-cancelable operating leases as of December 31, 2024 are as follows:</div><div><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:84.960%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.083%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Operating
leases</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Years ending September 30:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom"> </td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"><div>Remainder of 2025</div></td><td colspan="3" style="padding:0 1pt"></td><td style="padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="padding:2px 0;text-align:right;vertical-align:bottom">11,156 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">2026</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">13,885</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">2027</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">8,371</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">2028</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">8,471</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">2029</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">6,609</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Thereafter</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">81,405</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Total minimum lease payments</td><td colspan="3" style="padding:0 1pt"></td><td style="border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">129,897 </td><td style="border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Less: imputed interest</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">(47,281) </td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Total operating lease liabilities</td><td colspan="3" style="padding:0 1pt"></td><td style="border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">82,616 </td><td style="border-top:0.75pt solid

#000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Less: current portion</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">(15,030) </td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Operating lease liabilities, net of current portion</td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">67,586 </td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div>
</div><div style="margin-bottom:10pt">The components of lease expense and supplemental information were as follows: </div><div style="margin-bottom:10pt"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.172%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.406%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.084%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three months ended
December 31,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands except years and percentage)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Operating lease costs</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3,738 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">4,010 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Variable lease costs</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,920 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,538 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Weighted-average remaining lease term (in years) - operating leases</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">15.2 years</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">15.3 years</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Weighted-average discount rate - operating leases</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6.5 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6.5 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table></div><div style="margin-bottom:10pt">Supplemental cash flow information related to leases are as follows:<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.172%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.406%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.084%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three months ended
December 31,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"><div style="margin-bottom:10pt">Cash payments included in the measurement of operating lease liabilities</div></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3,700 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3,700 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="margin-bottom:10pt">The following table presents the Company's right-of-use assets and lease liabilities related to the Company's operating leases as of December 31, 2024: </div><div>
</div><div><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:84.960%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.083%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31,
2024</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Assets:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom"> </td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Operating lease right-of-use asset</td><td colspan="3" style="padding:0 1pt"></td><td style="padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="padding:2px 0;text-align:right;vertical-align:bottom">56,475 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Current liabilities:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Current portion of operating lease liabilities</td><td colspan="3" style="padding:0 1pt"></td><td style="padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="padding:2px 0;text-align:right;vertical-align:bottom">15,030 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Noncurrent liabilities:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Operating lease liabilities, net of current portion</td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-

serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="border-bottom:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">67,586 </td><td style="border-bottom:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div> 56475000 15030000 67586000 <div>Future minimum lease payments under all non-cancelable operating leases as of December 31, 2024 are as follows:</div><div><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:84.960%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.083%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Operating
leases</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Years ending September 30:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom"> </td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"><div>Remainder of 2025</div></td><td colspan="3" style="padding:0 1pt"></td><td style="padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="padding:2px 0;text-align:right;vertical-align:bottom">11,156 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">2026</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" 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style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">81,405</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Total minimum lease payments</td><td colspan="3" style="padding:0 1pt"></td><td style="border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">129,897 </td><td style="border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Less: imputed interest</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">(47,281)</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Total operating lease liabilities</td><td colspan="3" style="padding:0 1pt"></td><td style="border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">82,616 </td><td style="border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Less: current portion</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">(15,030)</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Operating lease liabilities, net of current portion</td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">67,586 </td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div> 11156000 13885000 8371000 8471000 6609000 81405000 129897000 47281000 82616000 15030000 67586000 <div style="margin-bottom:10pt">The components of lease expense and supplemental information were as follows: </div><div style="margin-bottom:10pt"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.172%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td style="width:0.406%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.084%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three months ended
December 31, </td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands except years and percentage)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Operating lease costs</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman';sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3,738 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">4,010 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Variable lease costs</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,920 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,538 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Weighted-average remaining lease term (in years) - operating leases</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">15.2 years</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">15.3 years</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Weighted-average discount rate - operating leases</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6.5 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6.5 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table> Supplemental cash flow information related to leases are as follows:<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:71.172%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.081%"></td><td style="width:0.1%"></td><td

style="width:0.1%"></td><td style="width:0.406%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.084%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three months ended
December 31,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom"> Cash payments included in the measurement of operating lease liabilities </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3,700 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3,700 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> 3738000 4010000 1920000 1538000 P15Y2M12D P15Y3M18D 0.065 0.065 3700000 3700000 Commitments and contingencies Legal proceedings The Company may be subject to litigation, claims and disputes in the ordinary course of business. Certain significant matters are described below. We recognize accruals for matters to the extent that we conclude that a loss is both probable and reasonably estimable. If we determine that a material loss is reasonably possible and the loss or range of loss can be estimated, we disclose the possible loss. Securities Class Action On December 12, 2022, a putative securities class action lawsuit captioned Peters v. Twist Bioscience Corporation, et al., Case No. 22-cv-08168 (N.D. Cal.) (“Securities Class Action”) was filed in federal court in the Northern District of California (“Court”) against the Company, its Chief Executive Officer, and its Chief Financial Officer (the “Defendants”) alleging violations of federal securities laws. The Securities Class Action’s claims are based in large part on allegations made in a report issued on November 15, 2022 by Scorpion Capital (“Scorpion Report”) concerning, among other things, the Company’s DNA chip technology and accounting practices. The initial complaint filed in the Securities Class Action alleges that various statements that the defendants made between December 13, 2019 and November 14, 2022 were materially false and misleading in light of the allegations in the Scorpion Report. The plaintiff who initiated the lawsuit sought to represent a class of shareholders who acquired shares of the Company’s common stock between December 13, 2019 and November 14, 2022 and sought damages as well as certain other costs. On July 28, 2023, the Court appointed a new plaintiff, not the original plaintiff who filed the case, as lead plaintiff in the case and appointed a new law firm as lead counsel. On October 11, 2023, the lead plaintiff filed an amended complaint. The amended complaint is purportedly brought on behalf of all persons other than the Defendants who acquired the Company’s securities between December 20, 2018 and November 15, 2022. The amended complaint alleges that certain statements regarding, among other things, the Company’s DNA products and accounting practices were false and misleading. This case remains in the preliminary stage. Given the inherent uncertainty of litigation and the legal standards that must be met, including class certification and success on the merits, the Company cannot express an opinion on the likelihood of an unfavorable outcome or on the amount or range of any potential loss. The Company and the other defendants intend to vigorously defend themselves against the claims asserted against them and filed a motion to dismiss the amended complaint on December 6, 2023. A hearing on the motion to dismiss was held on November 13, 2024 and the Company is now awaiting the judge's decision.
 Derivative Action
 On September 25, 2023, a shareholder derivative suit captioned Shumacher vs. Leproust et al., No. 1:23-cv-01048-UNA, was filed in the United States District Court for the District of Delaware against directors of the Company and an employee (the “Derivative Action”). The suit is based on substantially the same allegations in the Securities Class Action and seeks to recover, on behalf of the Company, damages to the Company arising from, among other things, the Securities Class Action. On November 13, 2023, the parties to the Derivative Action entered into a stipulation staying the Derivative Action pending resolution of the anticipated motion to dismiss the defendants have filed in the Securities Class Action. Related party transactionsDuring the three months ended December 31, 2024 and 2023, the Company had revenues from related parties in the amount of $4.0 million and $2.3 million, respectively. During the three months ended December 31, 2024, the purchases of raw materials from related parties were immaterial. During the three months ended December 31, 2023, the Company purchased raw materials from related parties in the amount of $1.3 million. As of December 31, 2024 and September 30, 2024, receivable balances with related parties were $0.7 million and $0.5 million, respectively. As of December 31, 2024 and September 30, 2024, payable balances with related parties were immaterial. 4000000.0 2300000 1300000 700000 500000 0 0 Income taxesIn determining quarterly provisions for income taxes, the Company uses the annual estimated effective tax rate applied to the actual year-to-date profit or loss, adjusted for discrete items arising in that quarter. For the three months ended December 31, 2024 and 2023, the Company recorded provisions for income taxes of $0.1 million and $0.1 million, respectively. 100000 100000 Common stock As of December 31, 2024, the Company had reserved sufficient shares of common stock, with a par value of $0.00001 per share, for issuance upon exercise of outstanding stock options. Each share of common stock is entitled to one vote. The holders of shares of common stock are also entitled to receive dividends whenever funds are legally available and when declared by the board of directors.</div> 0.00001 1 Stock-based compensation<div style="margin-bottom:12pt">Stock-based compensation expense</div><div>The Company recorded stock-based compensation expense in the condensed consolidated statement of operations and comprehensive loss for the periods presented as follows (in thousands):</div><div>
</div><div><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:53.445%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.406%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:21.021%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.406%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:21.022%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three months ended
December 31,</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Cost of revenues</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,206 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">924 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Research and development</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">2,739</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">2,838</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Selling, general and administrative</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">8,046</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">7,258</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Total stock-based compensation expense</td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">11,991 </td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom"><span

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">11,020 </td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table> An immaterial amount of stock-based compensation expense was capitalized to property and equipment related to capitalized software development costs for the three months ended December 31, 2024 and 2023.
 Restricted stock units
 A summary of the Company's restricted stock unit activity excluding the performance-based restricted stock units during the three months ended December 31, 2024 was as follows:
 <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:98.030%"><tr><td style="width:1.0%"></td><td style="width:40.785%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.572%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:19.765%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.572%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:34.606%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands, except per share data)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Shares</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted average grant date fair value per share</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:left;vertical-align:bottom">Nonvested shares at September 30, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom">1,964</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">32.13 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Granted</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">1,016</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">47.34</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Vested/Issued</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">(224)</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">39.03</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Forfeited</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">(132)</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">31.82</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Nonvested shares at December 31, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom">2,624</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">37.44 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
 As of December 31, 2024, there was $91.7 million of total unrecognized compensation cost related to these awards that is expected to be recognized over a weighted average period of 3.1 years. The total grant date fair value of the restricted stock units excluding performance-based restricted units awarded during the three months ended December 31, 2024 was $48.1 million. </div><div style="margin-bottom:12pt">Performance stock units</div><div>During the three months ended December 31, 2024, the Company granted additional performance-based restricted stock units to executives and employees that will vest upon achievement of multiple year revenue, gross profit, and profitability metrics as determined by the board of directors. Stock compensation expense for these awards is recorded over the vesting period based on the grant date fair value of the awards and probability of the achievement of specified performance targets. The grant date fair value is equal to the closing share price of the Company's common stock on the date of grant. These awards will vest from a minimum of 10 months to a maximum of 34 months service period following the grant date, provided that the recipient is a Company employee at the time of vesting and the performance targets applicable to each award are achieved. The percentage of these awards that vest will depend on the achievement of specified performance targets at the end of the performance period and can range from 0% to 140% of the number of units granted. </div><div>
</div><div>A summary of the Company's performance-based restricted stock units during the three months ended December 31, 2024 was as follows:</div><div>
</div><div><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:98.030%"><tr><td style="width:1.0%"></td><td style="width:37.076%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.418%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:23.784%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.418%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:34.604%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands, except per share data)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Shares</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted average grant date fair value per share</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Nonvested shares at September 30, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom">1,167</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">27.01 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Granted</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">1,298</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">47.85</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Vested/Issued</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">(312)</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">44.89</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Forfeited</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">(90)</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">20.83</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Nonvested shares at December 31, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom">2,063</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">37.69 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
 As of December 31, 2024, the unrecognized

compensation costs related to these awards was $66.4 million based on the maximum achievement of the performance targets. The Company expects to recognize those costs over a weighted average period of 2.0 years. The total grant date fair value of performance-based restricted stock units awarded during the three months ended December 31, 2024 was $62.1 million.</div><div>
</div><div style="margin-bottom:12pt">Stock options </div><div>A summary of the Company's stock option activity excluding the performance-based stock options during the three months ended December 31, 2024 was as follows:</div><div style="margin-bottom:12pt"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.393%"><tr><td style="width:1.0%"></td><td style="width:31.826%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.409%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.409%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:15.820%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.409%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.143%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.562%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.149%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands, except per share data)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Shares</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted average exercise price per share</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted average remaining contractual term (years)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Aggregate intrinsic value</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Outstanding at September 30, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,619 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">24.51 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom">4.27</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">36,798 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Forfeited</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">41.64</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Exercised</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(169)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">17.41</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,881 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Outstanding at December 31, 2024</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,447 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom">$25.31 </td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom">4.09</td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">33,816 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Vested and exercisable at December 31, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,445 </td><td style="background-color:#cceeff;border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">25.19 </td><td style="background-color:#cceeff;border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom">4.09</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">33,816 </td><td style="background-color:#cceeff;border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> As of December 31, 2024, the unrecognized compensation costs related to these awards was $0.1 million. The Company expects to recognize those costs over a weighted average period of 0.8 years. Performance stock options A summary of the Company's performance-based stock option activity during the three months ended December 31, 2024 was as follows:
 <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:36.733%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.393%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.401%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.393%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:15.368%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.393%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.736%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.541%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.742%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands, except per share data)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Shares</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted average exercise price per share</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted average remaining contractual term (years) </td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Aggregate intrinsic value</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-

serif;font-size:10pt;font-weight:400;line-height:114%">Outstanding at September 30, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom">273</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">59.83 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6.39</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,042 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Outstanding at December 31, 2024</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom">273</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">59.83 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom">6.13</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,139 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Vested and exercisable at December 31, 2024 </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom">243</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">63.36 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom">5.99</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">683 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
 As of December 31, 2024, the unrecognized compensation costs related to these awards was $0.1 million. The Company expects to recognize those costs over a weighted average period of 0.3 years. As of December 31, 2024, the Company determined that 30,000 shares of common stock are expected to vest based on the probability of the performance condition that will be achieved under this equity award program.
 2018 Employee Stock Purchase Plan The number of shares of the Company's common stock reserved for issuance under the 2018 Employee Stock Purchase Plan ("ESPP") at December 31, 2024 was as follows:
 <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:84.960%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.083%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(In thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Shares
available</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom"> Outstanding at September 30, 2024 </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom">611</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Additional shares authorized</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">249</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Shares issued during the period</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> Outstanding at December 31, 2024 </td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom">860</td></tr></table> During the three months ended December 31, 2024, ESPP expenses of $0.5 million was recognized. During the three months ended December 31, 2023, activity under the 2018 ESPP was immaterial. <div>The Company recorded stock-based compensation expense in the condensed consolidated statement of operations and comprehensive loss for the periods presented as follows (in thousands):</div><div>
</div><div><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:53.445%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.406%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:21.021%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.406%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:21.022%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three months ended
December 31,</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Cost of revenues</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,206 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">924 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Research and development</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">2,739</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">2,838</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Selling, general and administrative</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">8,046</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3"

style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">7,258</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Total stock-based compensation expense</td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">11,991 </td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">11,020 </td><td style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table> 1206000 924000 2739000 2838000 8046000 7258000 11991000 11020000 during the three months ended December 31, 2024 was as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:98.030%"><tr><td style="width:1.0%"></td><td style="width:40.785%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.572%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:19.765%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.572%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:34.606%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands, except per share data)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Shares</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted average grant date fair value per share</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:left;vertical-align:bottom">Nonvested shares at September 30, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom">1,964</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">32.13 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Granted</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">1,016</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">47.34</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Vested/Issued</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">(224)</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">39.03</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Forfeited</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">(132)</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">31.82</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Nonvested shares at December 31, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom">2,624</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">37.44 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> 1964000 32.13 1016000 47.34 224000 39.03 132000 31.82 2624000 37.44 91700000 P3Y1M6D 48100000 P10M P34M 0 1.40 A summary of the Company's performance-based restricted stock units during the three months ended December 31, 2024 was as follows:
 <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:98.030%"><tr><td style="width:1.0%"></td><td style="width:37.076%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.418%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:23.784%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.418%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:34.604%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands, except per share data)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Shares</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted average grant date fair value per share</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Nonvested shares at September 30, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom">1,167</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">27.01 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Granted</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">1,298</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">47.85</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Vested/Issued</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">(312)</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">44.89</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Forfeited</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">(90)</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">20.83</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Nonvested shares at December 31, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom">2,063</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">37.69 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> 1167000 27.01 1298000 47.85 312000 44.89 90000 20.83 2063000 37.69 66400000 P2Y 62100000 A summary of the Company's stock option activity excluding the performance-based stock options during the three months ended December 31, 2024 was as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.393%"><tr><td style="width:1.0%"></td><td style="width:31.826%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.409%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:15.973%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.409%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:15.820%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.409%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.143%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.562%"></td><td style="width:0.1%"></td><td

style="width:1.0%"></td><td style="width:14.149%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands, except per share data)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Shares</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted average exercise price per share</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted average remaining contractual term (years)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Aggregate intrinsic value</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Outstanding at September 30, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,619 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">24.51 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom">4.27</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">36,798 </td><td style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Forfeited</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">41.64</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Exercised</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(169)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">17.41</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,881 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Outstanding at December 31, 2024</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,447 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom"> $25.31 </td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom">4.09</td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">33,816 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Vested and exercisable at December 31, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,445 </td><td style="background-color:#cceeff;border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">25.19 </td><td style="background-color:#cceeff;border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom">4.09</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">33,816 </td><td style="background-color:#cceeff;border-bottom:1pt solid #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> A summary of the Company's performance-based stock option activity during the three months ended December 31, 2024 was as follows:
 <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:36.733%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.393%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.401%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.393%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:15.368%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.393%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.736%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.541%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.742%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands, except per share data)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Shares</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted average exercise price per share</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted average remaining contractual term (years)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Aggregate intrinsic value</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Outstanding at September 30, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom">273</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">59.83 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom">6.39</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,042 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-

size:10pt;font-weight:400;line-height:114%">Outstanding at December 31, 2024</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom">273</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">59.83 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom">6.13</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,139 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Vested and exercisable at December 31, 2024 </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom">243</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">63.36 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom">5.99</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">683 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> 1619000 24.51 P4Y3M7D 36798000 2000 41.64 169000 17.41 4881000 1447000 25.31 P4Y1M2D 33816000 1445000 25.19 P4Y1M2D 33816000 100000 P0Y9M18D 273000 59.83 P6Y4M20D 1042000 273000 59.83 P6Y1M17D 1139000 243000 63.36 P5Y11M26D 683000 100000 P0Y3M18D 30000 The number of shares of the Company's common stock reserved for issuance under the 2018 Employee Stock Purchase Plan ("ESPP") at December 31, 2024 was as follows:
 <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:84.960%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.557%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.083%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(In thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Shares
available</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom"> Outstanding at September 30, 2024 </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom">611</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Additional shares authorized</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">249</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Shares issued during the period</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> Outstanding at December 31, 2024 </td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom">860</td></tr></table> 611000 249000 0 860000 500000 0 Net loss per share The following table sets forth the computation of the Company's basic and diluted net loss per share: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:94.090%"><tr><td style="width:1.0%"></td><td style="width:69.270%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.605%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.909%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.605%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.911%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three months ended
December 31,</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 8.2pt;text-align:left;text-indent:-7.2pt;vertical-align:bottom">(in thousands, except per share data)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 8.2pt;text-align:left;text-indent:-7.2pt;vertical-align:bottom">Numerator:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 8.2pt;text-align:left;text-indent:-7.2pt;vertical-align:bottom">Net loss</td><td colspan="3" style="padding:0 1pt"></td><td style="padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="padding:2px 0;text-align:right;vertical-align:bottom">(31,594)</td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td style="padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="padding:2px 0;text-align:right;vertical-align:bottom">(43,008) </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 8.2pt;text-align:left;text-indent:-7.2pt;vertical-align:bottom">Denominator:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 8.2pt;text-align:left;text-indent:-7.2pt;vertical-align:bottom">Weighted average shares used in computing net loss per share, basic and diluted</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">59,162</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">57,497</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 8.2pt;text-align:left;text-indent:-7.2pt;vertical-align:bottom">Net loss per share, basic and diluted</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(0.53) </td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(0.75)</td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table>
 The potentially dilutive common shares that were excluded from the calculation of diluted net loss per share because their effect would have been antidilutive for the periods presented are as follows:
 <table

style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:93.484%"><tr><td style="width:1.0%"></td><td style="width:69.078%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.610%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.000%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.610%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.002%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> Three months ended </td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Shares subject to options (including performance options) to purchase common stock</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom">1,719</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom">2,253</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Unvested restricted stock units and performance stock units </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">4,686</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">3,824</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Shares subject to employee stock purchase plan</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">68</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">124</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom">6,474</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom">6,201</td></tr></table> The following table sets forth the computation of the Company's basic and diluted net loss per share: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:94.090%"><tr><td style="width:1.0%"></td><td style="width:69.270%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.605%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.909%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.605%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.911%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three months ended
December 31,</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 8.2pt;text-align:left;text-indent:-7.2pt;vertical-align:bottom">(in thousands, except per share data)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt 2px 8.2pt;text-align:left;text-indent:-7.2pt;vertical-align:bottom">Numerator:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 8.2pt;text-align:left;text-indent:-7.2pt;vertical-align:bottom">Net loss</td><td colspan="3" style="padding:0 1pt"></td><td style="padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="padding:2px 0;text-align:right;vertical-align:bottom">(31,594)</td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td style="padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="padding:2px 0;text-align:right;vertical-align:bottom">(43,008)</td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 8.2pt;text-align:left;text-indent:-7.2pt;vertical-align:bottom">Denominator:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 8.2pt;text-align:left;text-indent:-7.2pt;vertical-align:bottom">Weighted average shares used in computing net loss per share, basic and diluted</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">59,162</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:right;vertical-align:bottom">57,497</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 8.2pt;text-align:left;text-indent:-7.2pt;vertical-align:bottom">Net loss per share, basic and diluted</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(0.53)</td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:114%">$</td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(0.75)</td><td style="background-color:#cceeff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table> -31594000 -43008000 59162000 59162000 57497000 57497000 -0.53 -0.53 -0.75 -0.75 The potentially dilutive common shares that were excluded from the calculation of diluted net loss per share because their effect would have been antidilutive for the periods presented are as follows:
 <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:93.484%"><tr><td style="width:1.0%"></td><td style="width:69.078%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.610%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.000%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.610%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.002%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> Three months ended </td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:0.75pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:0.75pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Shares subject to

options (including performance options) to purchase common stock</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom">1,719</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom">2,253</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Unvested restricted stock units and performance stock units </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">4,686</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">3,824</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Shares subject to employee stock purchase plan</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">68</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">124</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom">6,474</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-bottom:0.75pt solid #000000;border-top:0.75pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom">6,201</td></tr></table> 1719000 2253000 4686000 3824000 68000 124000 6474000 6201000 Liability related to the sales of future revenue On October 21, 2024, the Company executed the Royalty Purchase Agreement with XOMA (US) LLC ("XOMA Royalty"). Under the Royalty Purchase Agreement, XOMA Royalty provided Twist Bioscience an upfront payment of $15.0 million in cash in exchange for the right to receive half of the future potential milestone and royalty payments resulting from certain antibody discovery and biopharma services agreements between the Company and its customers ("underlying customer agreements"). The terms of the underlying customer agreements provide for milestone and royalty payments to the Company contingent upon the Company's customers achieving certain clinical, regulatory, development and commercial milestones. Under the terms of the underlying customer agreements, the Company has significant continuing involvement as the Company has ongoing obligations such as services to support the generation of these milestone and royalty payments. As such, the Company applied the guidance under ASC 470, Debt, and recorded the upfront payment of $15.0 million as a liability related to the sale of future revenue, which will be amortized using the effective interest method over the estimated term of the Royalty Purchase agreement. As milestone and royalty payments are remitted to XOMA Royalty, the balance of the liability related to the sale of future revenue will be effectively repaid over the term of the Royalty Purchase Agreement. In addition, in accordance with ASC 470, Debt, the Company will account for any milestone and royalty payments received in the future as revenue. The estimate of the effective interest rate contains significant assumptions regarding the timing and amount of expected milestone and royalty payments, which are considered Level 3 fair value inputs, and impact the interest expense that will be recognized over the term of the Royalty Purchase Agreement. As of December 31, 2024, the Company's estimate of aggregate future milestone and royalty payments expected to be paid to XOMA Royalty over the term of the Royalty Purchase Agreement did not exceed $15.0 million, therefore, no imputed interest expense has been recorded during the three months ended December 31, 2024. 15000000 15000000 15000000 false false false false During the three months ended December 31, 2024, and 2023, the Company had revenues from related parties in the amount of $4.0 million and $2.3 million, respectively.