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Â UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, DC 20549 Â FORM 10-Q Â (Mark One) â˜’ QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934 For the quarterly period ended September 30, 2024 OR â˜ TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934 For the transition period from _____ to _____ Commission File Number: 001-39897 Â Palladyne AI Corp. (Exact Name of Registrant as Specified in its Charter) Â Â Delaware 85-2838301 (State or other jurisdiction ofincorporation or organization) (I.R.S. EmployerIdentification No.) 650 South 500 West, Suite 150Salt Lake City, Utah 84101 (Address of principal executive offices) (Zip Code) Registrantâ€™s telephone number, including area code: (888) 927-7296 Â Securities registered pursuant to Section 12(b) of the Act: Â Title of each class Â TradingSymbol(s) Â Name of each exchange on which registered Common Stock, $0.0001 par value per shareWarrants to purchase Common Stock Â PDYNPDYNW Â The Nasdaq Global MarketThe Nasdaq Global Market Indicate 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, smaller reporting company, or an emerging growth company. See the definitions of â€œlarge accelerated filer,â€ â€œaccelerated filer,â€ â€œsmaller reporting company,â€ and â€œemerging growth companyâ€ in Rule 12b-2 of the Exchange Act. Â Large accelerated filer â˜ Accelerated filer â˜ Â Â Â Â Non-accelerated filer â˜’ Smaller reporting company â˜’ Â Â Â Â Â Â Emerging growth company Â â˜’ Â Â Â Â If 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˜’ As of November 6, 2024, the registrant had 30,112,399 shares of Common Stock, $0.0001 par value per share, outstanding. Â Â Â Â Table of Contents Â Page PART I. FINANCIAL INFORMATION Item 1. Financial Statements (Unaudited) 5 Condensed Consolidated Balance Sheets 5 Condensed Consolidated Statements of Operations 6 Â Condensed Consolidated Statements of Comprehensive Loss 7 Condensed Consolidated Statements of Stockholders' Equity 8 Condensed Consolidated Statements of Cash Flows 10 Notes to Unaudited Condensed Consolidated Financial Statements 11 Item 2. Managementâ€™s Discussion and Analysis of Financial Condition and Results of Operations 22 Item 3. Quantitative and Qualitative Disclosures About Market Risk 32 Item 4. Controls and Procedures 32 PART II. OTHER INFORMATION Item 1. Legal Proceedings 33 Item 1A. Risk Factors 33 Item 2. Unregistered Sales of Equity Securities and Use of Proceeds 60 Item 3. Defaults Upon Senior Securities 60 Item 4. Mine Safety Disclosures 60 Item 5. Other Information 60 Item 6. Exhibits 61 Signatures 62 Â 2 Â Summary Risk Factors Our business is subject to numerous risks and uncertainties, including those highlighted in Part II, Item 1A Risk Factors of this Report. The following is a summary of the principal risks we face: â€¢We are an early stage company with a history of losses and are likely to incur losses, which could be significant, for the foreseeable future. â€¢Due to our limited resources and access to capital, and our failure to properly estimate the time and expense required to commercialize our prior hardware-centric industrial robotics solutions, we made the decision in late 2023 to focus on our AI/ML Software Platform and related products and to suspend the development and commercialization of our hardware products. These and future decisions about how to use our limited resources may prove to be wrong and may adversely affect our business. â€¢Our operating and financial projections rely on management assumptions and analyses. If these assumptions or analyses prove to be incorrect, as they often have in the past, our actual operating results may be materially different from our expected or forecasted results. â€¢We have yet to achieve positive operating cash flow, and our ability to generate positive cash flow is uncertain. â€¢We have no previous history or experience with commercializing software products and may not be able to do so efficiently, effectively or at all. We were unsuccessful in our efforts to commercialize the hardware technologies that we and our predecessor companies developed over the past several decades. â€¢Successful commercialization of our AI/ML Software Platform and related products may be delayed beyond our current expectations and therefore product availability to customers, customer acquisition and receipt of software licensing revenue could be delayed. â€¢Our anticipated revenues are expected to be primarily derived from the licensing of our AI/ML Software Platform-related products for the foreseeable future. â€¢Any issues in the development and use of our AI/ML Software Platform

or related products, or issues in products developed by others, may result in reputational harm or liability. â€¢Our AI/ML Software Platform and related products are new technologies, and the timing and magnitude of revenues from customers is uncertain. If we cannot successfully commercialize our AI/ML Software Platform and related products on our expected schedule, if the platform does not offer our potential customers the features, functionality and return on investment that they expect, and/or if potential customers are not willing to pay for our software products at the license rates that we currently expect, our ability to generate material revenues will be materially impaired. â€¢If we are not able to generate material revenues from our software products before we exhaust our financial resources, we may need to cease business operations. â€¢We may fail to attract or retain customers at sufficient rates or in sufficient numbers or at all. â€¢We have no previous history with our licensing sales model. â€¢Important assumptions about market demand, pricing, adoption rates and sales cycles for our software products may be inaccurate. â€¢Our Palladyne IQ product requires certain limited hardware components, and we are dependent on our suppliers, some of which are currently single, sole or limited source suppliers. Any inability of these suppliers to deliver necessary components of our products at prices, volumes, performance, timing and specifications acceptable to us, could have a material adverse effect on our business, prospects, financial condition and operating results. â€¢We operate in a competitive industry that is subject to rapid technological change, and we expect competition to increase. Our products may not be competitive with other alternatives. â€¢We may not be able to complete or enhance our product offerings through our research and development efforts. 3 Â â€¢Real or perceived design flaws, errors, defects, glitches, bugs or malfunctions (collectively, â€œDefectsâ€) in our AI/ML Software Platform and related products, failure of our AI/ML Software Platform and related products to perform as expected, connectivity issues or user errors can result in lower than expected return on investment for customers, personal injury or property damage and significant security or safety concerns, each of which could materially and adversely affect our results of operations, financial condition or reputation. â€¢We use â€œopen sourceâ€ software, which could negatively affect our ability to offer our AI/ML Software Platform and related products and subject us to possible litigation. â€¢We believe our business and prospects depend significantly on our ability to build an effective brand. We may not succeed in establishing, maintaining and strengthening an effective brand, and our brand and reputation could be harmed by negative publicity regarding us or our AI/ML Software Platform and related products. We believe that our previous inability to successfully commercialize our hardware products, and our resulting financial performance, damaged our prior brand. As a result, in March 2024 we changed our name to Palladyne AI Corp. and have branded our AI/ML software products accordingly. â€¢Our management team has broad discretion in making strategic decisions to execute our growth plans, and our managementâ€™s decisions have not always led to the desired result. Current and future decisions may not be successful in achieving our business objectives or may have unintended consequences that negatively impact our growth prospects. â€¢If we fail to effectively manage our business, we may not be able to design, develop, market and commercialize our software products successfully. â€¢We may be unable to adequately control the costs associated with our operations in order to achieve profitability. â€¢We expect to incur substantial research and development costs and devote significant resources to developing and commercializing our AI/ML Software Platform and related products, and we may never reach profitability and/or achieve significant or any revenues. â€¢Our business plans require a significant amount of capital. Our future capital needs may require us to sell additional equity or debt securities that may dilute our stockholders or introduce covenants that may restrict our operations or our ability to pay dividends. If we require additional capital and are not able to secure new funding, we may not be able to continue our business operations. â€¢Our recent initiatives to improve our cost structure, including significant workforce reductions, may not result in all anticipated savings, could result in total costs and expenses that are greater than expected and could disrupt our business. â€¢Our financial results may vary significantly from period to period due to fluctuations in our operating costs, revenues (including from development contracts), product demand and other factors. â€¢We are highly dependent on the services of our senior management and other key employees and, if we are unable to attract, integrate and retain a sufficient number of qualified employees, our ability to design and commercialize our AI/ML Software Platform and related products, operate our business and compete could be harmed. â€¢If we fail to maintain and strengthen effective systems of disclosure controls and procedures and internal control over financial reporting, our ability to produce timely and accurate financial statements or comply with applicable regulations could be adversely affected. â€¢We have been and may in the future be subject to risks associated with strategic relationships or transactions and may not identify or form desired strategic relationships in the future. â€¢We may become subject to new or changing governmental regulations relating to the development, marketing, licensing, distribution or use of our AI/ML Software Platform and related products or to the providing of customer service, and a failure to comply with such regulations could lead to delays in launching our platform and/or withdrawal of our platform from the market, delay our projected revenues, increase costs and/or make our business unviable if we are unable to modify our software products to comply. â€¢Our Common Stock and Warrants are subject to potential delisting from The Nasdaq Global Market in the event we do not meet Nasdaqâ€™s continued listing requirements, which would likely impair the liquidity of the trading market for our Common Stock and Warrants. 4 Â PART Iâ€”FINANCIAL INFORMATION Item 1. Financial Statements. Â PALLADYNE AI CORP. CONDENSED CONSOLIDATED BALANCE SHEETS (Unaudited) (in thousands, except share data) Â Â As of Â Â September 30, 2024 Â Â December 31, 2023 Â Â Â Â Â Â Â Â Â Assets Â Â Â Â Â Â Current assets: Â Â Â Â Â Â Cash and cash equivalents Â $ 21,328 Â Â $ 23,139 Â Marketable securities Â Â â€” Â Â Â 15,947 Â Accounts receivable Â Â 618 Â Â Â 555 Â Unbilled receivables Â Â 1,579 Â Â Â 2,034 Â Inventories Â Â â€” Â Â Â 1,065 Â Prepaid expenses and other current assets Â Â 1,173 Â Â Â 2,323 Â Total current assets Â Â 24,698 Â Â Â 45,063 Â Property and equipment, net Â Â 4,410 Â Â Â 4,842 Â Operating lease assets Â Â 9,160 Â Â Â 10,092 Â Other non-current assets Â Â 470 Â Â Â 429 Â Total assets Â $ 38,738 Â Â $ 60,426 Â Liabilities and stockholdersâ€™ equity Â Â Â Â Â Â Current liabilities: Â Â Â Â Â Â Accounts payable Â $ 178 Â Â $ 1,291 Â Accrued liabilities Â Â 3,546 Â Â Â 5,805 Â Current operating lease liabilities Â Â 1,196 Â Â Â 1,360 Â Total current liabilities Â Â 4,920 Â Â Â 8,456 Â Operating lease liabilities Â Â 10,193 Â Â Â 11,036 Â Other non-current liabilities Â Â 204 Â Â Â 29 Â Total liabilities Â Â 15,317 Â Â Â 19,521 Â Commitments and contingencies (Note 9) Â Â Â Â Â Â Stockholdersâ€™ equity: Â Â Â Â Â Â Common stock, $0.0001Â par value, 165,000,000Â shares authorized as of September 30, 2024, and December 31, 2023; 26,863,965Â and 25,877,865Â shares issued and outstanding as of September 30, 2024, and December 31, 2023, respectively Â Â 3 Â Â Â 3 Â Additional paid-in capital Â Â 461,280 Â Â Â 459,113 Â Accumulated other comprehensive income Â Â â€” Â Â Â 3 Â Accumulated deficit Â Â (437,862) Â Â (418,214) Total stockholdersâ€™ equity Â Â 23,421 Â Â Â 40,905 Â Total liabilities and stockholdersâ€™ equity Â $ 38,738 Â Â $ 60,426 Â Â See accompanying notes to the condensed consolidated financial statements. 5 Â PALLADYNE AI CORP. CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS (Unaudited) (in thousands, except share and per share data) â€‹ï»¿Â Three Months Ended September 30, Â Â Nine Months Ended September 30, Â â€‹ 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Revenue, net Â $ 871 Â Â $ 1,827 Â Â $ 7,025 Â Â $ 5,400 Â Operating expenses:â€‹ Â Â Â Â Â Â Â Â Â Â Cost of revenue (exclusive of items shown separately below) Â Â 479 Â Â Â 1,222 Â Â Â 2,934 Â Â Â 3,951 Â Research and development Â Â 2,582 Â Â Â 10,011 Â Â Â 7,825 Â Â Â 31,120 Â General and administrative Â Â 3,965 Â Â Â 7,557 Â Â Â 13,381 Â Â Â 25,544 Â Sales and marketing Â Â 1,331 Â Â Â 1,750 Â Â Â 3,516 Â Â Â 9,901 Â Intangible amortization expense Â Â â€” Â Â Â 819 Â Â Â â€” Â Â Â 2,457 Â Asset write-down and restructuring Â Â (187) Â Â 11,222 Â Â Â (192) Â Â 16,328 Â Total operating expenses Â Â 8,170 Â Â Â 32,581 Â Â Â 27,464 Â Â Â 89,301 Â Loss from operations Â Â (7,299) Â Â (30,754) Â Â (20,439) Â Â (83,901) Interest income, net Â Â 249 Â Â Â 806 Â Â Â 967 Â Â Â 2,779 Â (Loss) gain on warrant liability Â Â (43) Â Â 96 Â Â Â (175) Â Â 99 Â Other income, net Â Â â€” Â Â Â 871 Â Â Â 2 Â Â Â 1,909 Â Loss before income tax expense Â Â (7,093) Â Â (28,981) Â Â (19,645) Â Â (79,114) Income tax expense Â Â (3) Â Â â€” Â Â Â (3) Â Â (3) Net loss Â $ (7,096) Â $ (28,981) Â $ (19,648) Â $ (79,117) Net loss per share Â Â Â Â Â Â Â Â Â Â Basic and diluted Â $ (0.27) Â $ (1.13) Â $ (0.76) Â $ (3.09) Weighted-average shares used in computing net loss per share Â Â Â Â Â Â Â Â Â Â Basic and diluted Â Â 26,177,413 Â Â Â 25,706,023 Â Â Â 26,018,708 Â Â Â 25,563,895 Â Â See accompanying notes to the condensed consolidated financial statements. Â 6 Â PALLADYNE AI CORP. CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE LOSS (Unaudited) (in thousands) Â ï»¿ï»¿ Three Months Ended September 30, Â Â Nine Months Ended September 30, Â â€‹ â€‹ 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Net loss â€‹ $ (7,096) Â $ (28,981) Â $ (19,648) Â $ (79,117) Other comprehensive income (loss): â€‹ Â Â Â Â Â Â Â Â Â Â Change in unrealized gain (loss) on available-for-sale investments â€‹ Â â€” Â Â Â 14 Â Â Â (3) Â Â 19 Â Total other comprehensive income (loss) Â Â â€” Â Â Â 14 Â Â Â (3) Â Â 19 Â Comprehensive loss Â $ (7,096) Â $ (28,967) Â $ (19,651) Â $ (79,098) Â See accompanying notes to the condensed consolidated financial statements. 7 Â PALLADYNE AI CORP. CONDENSED CONSOLIDATED STATEMENTS OF STOCKHOLDERSâ€™ EQUITY (Unaudited) (in thousands, except share data) Â Â Â Â Â Â Â Â Â Â Â Â Common Stock Â Additional Â Accumulated Other Â Â Â Total Â Class A Â Paid-In Â Comprehensive Â Accumulated Â Stockholdersâ€™ Â Shares Â Amount Â Capital Â (Loss) Income Â Deficit Â Equity Â Balance at December 31, 2022 Â 25,708,519 Â $ 3 Â $ 447,085 Â $ (17) $ (302,621) $ 144,450 Â Stock-based compensation Â â€” Â Â â€” Â Â 2,664 Â Â â€” Â Â â€” Â Â 2,664 Â Common stock issued under equity award plans Â 7,204 Â Â â€” Â Â â€” Â Â â€” Â Â â€” Â Shares repurchased for payment of tax withholdings and other Â (2,170) Â â€” Â Â 35 Â Â â€” Â Â â€” Â Â 35 Â Other comprehensive gain Â â€” Â Â â€” Â Â â€” Â Â 59 Â Â â€” Â Â 59 Â Net loss Â â€” Â Â â€” Â Â â€” Â Â (21,476) Â (21,476) Balance at March 31, 2023 Â 25,713,553 Â $ 3 Â $ 449,784 Â $ 42 Â $ (324,097) $ 125,732 Â Stock-based compensation Â â€” Â Â â€” Â Â 2,070 Â Â â€” Â Â â€” Â Â 2,070 Â Common stock issued under equity award plans Â 151,327 Â Â â€” Â Â â€” Â Â â€” Â Â â€” Â Shares repurchased for payment of tax withholdings and other Â (22,991) Â â€” Â Â (39) Â â€” Â Â (39) Other comprehensive loss Â â€” Â Â â€” Â Â â€” Â Â (54) Â â€” Â Â (54) Net loss Â â€” Â Â â€” Â Â â€” Â Â (28,660) Â (28,660) Balance at June 30, 2023 Â 25,841,889 Â $ 3 Â $ 451,815 Â $ (12) $ (352,757) $ 99,049 Â Stock-based compensation Â â€” Â Â â€” Â Â 6,074 Â Â â€” Â Â â€” Â Â 6,074 Â Common stock issued under equity award plans Â 19,751 Â Â â€” Â Â â€” Â Â â€” Â Â â€” Â Shares repurchased for payment of tax withholdings and other Â (10,808) Â â€” Â Â (1) Â â€” Â Â (1) Other comprehensive gain Â â€” Â Â â€” Â Â â€” Â Â 14 Â Â â€” Â Â 14 Â Net loss Â â€” Â Â â€” Â Â â€” Â Â (28,981) Â (28,981) Balance at September 30, 2023 Â 25,850,832 Â $ 3 Â $ 457,888 Â $ 2 Â $ (381,738) $ 76,155 Â Â 8 Â Â Â Â Â Â Â Â Â Â Â Â Common Stock Â Additional Â Accumulated Other Â Â Â Total Â Class A Â Paid-In Â Comprehensive Â Accumulated Â Stockholdersâ€™ Â Shares Â Amount Â Capital Â Income (Loss) Â Deficit Â Equity Â Balance at December 31, 2023 Â 25,877,865 Â $ 3 Â $ 459,113 Â $ 3 Â $ (418,214) $ 40,905 Â Stock-based compensation Â â€” Â Â â€” Â Â 571 Â Â â€” Â Â â€” Â Â 571 Â Common stock issued under equity award plans Â 697,967 Â Â â€” Â Â â€” Â Â â€” Â Â â€” Â Shares repurchased for payment of tax withholdings Â (23,260) Â â€” Â Â (42) Â â€” Â Â â€” Â Â (42) Other comprehensive loss Â â€” Â Â â€” Â Â â€” Â Â (4) Â â€” Â Â (4) Net loss Â â€” Â Â â€” Â Â â€” Â Â (7,229) Â (7,229) Balance at March 31, 2024 Â 26,552,572 Â $ 3 Â $ 459,642 Â $ (1) $ (425,443) $ 34,201 Â Stock-based compensation Â â€” Â Â â€” Â Â 958 Â Â â€” Â Â â€” Â Â 958 Â Common stock issued under equity award plans Â 198,127 Â Â â€” Â Â â€” Â Â â€” Â Â â€” Â Shares repurchased for payment of tax withholdings Â (15,200) Â â€” Â Â (30) Â â€” Â Â (30) Exercise of stock options Â 34,195 Â Â â€” Â Â 4 Â Â â€” Â Â 4 Â Other comprehensive gain Â â€” Â Â â€” Â Â 1 Â Â â€” Â Â 1 Â Net loss Â â€” Â Â â€” Â Â â€” Â Â (5,323) Â (5,323) Balance at June 30, 2024 Â 26,769,694 Â $ 3 Â $ 460,574 Â $ â€” Â $ (430,766) $ 29,811 Â Stock-based compensation Â â€” Â Â â€” Â Â 698 Â Â â€” Â Â â€” Â Â 698 Â Common stock issued under equity award plans Â 26,851 Â Â â€” Â Â â€” Â Â â€” Â Â â€” Â Shares repurchased for payment of tax withholdings Â (8,107) Â â€” Â Â (12) Â â€” Â Â â€” Â Â (12) Exercise of stock options Â 75,527 Â Â â€” Â Â 20 Â Â â€” Â Â â€” Â Â 20 Â Net loss Â â€” Â Â â€” Â Â â€” Â Â (7,096) Â (7,096) Balance at September 30, 2024 Â 26,863,965 Â $ 3 Â $ 461,280 Â $ â€” Â $ (437,862) $ 23,421 Â See accompanying notes to the condensed consolidated financial statements. 9 Â PALLADYNE AI CORP. CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (Unaudited) (in thousands) Â Â Nine Months Ended September 30, Â Â 2024 Â Â 2023 Â Cash flows from operating activities: Â Â Â Â Â Â Net loss Â $ (19,648) Â $ (79,117) Adjustments to reconcile net loss to net cash used in operating activities: Â Â Â Â Â Â Stock-based compensation Â Â 2,227 Â Â Â 10,808 Â Depreciation of property and equipment Â Â 612 Â Â Â 1,261 Â Amortization of intangible assets Â Â â€” Â Â Â 2,457 Â Change in fair value of warrant liability Â Â 175 Â Â Â (99) Amortization of investment discount Â Â (56) Â Â (1,833) Asset write-down Â Â â€” Â Â Â 10,827 Â Changes in operating assets and liabilities: Â Â Â Â Â Â Accounts receivable Â Â (63) Â Â 465 Â Unbilled receivable Â Â 455 Â Â Â 2,547 Â Inventories Â Â 1,065 Â Â Â (7,169) Prepaid expenses and other current assets Â Â 1,150 Â Â Â 2,343 Â Other non-current assets Â Â 891 Â Â Â 930 Â Accounts payable Â Â (1,076) Â Â (1,525) Accrued liabilities and other current liabilities Â Â (2,420) Â Â (1,021) Other liabilities Â Â (843) Â Â (997) Net cash used in operating activities Â Â (17,531) Â Â (60,123) Cash flows from investing activities: Â Â Â Â Â Â Purchases of property and equipment Â Â (217) Â Â (1,033) Purchases of marketable securities Â Â â€” Â Â Â (58,622) Maturities of marketable securities Â Â 16,000 Â Â Â 120,000 Â Net cash provided by investing activities Â Â 15,783 Â Â Â 60,345 Â Cash flows from financing activities: Â Â Â Â Â Â Proceeds from exercise of stock options Â Â 24 Â Â Â Â â€” Â Shares repurchased for payment of tax withholdings Â Â (84) Â Â (68) Payment of obligations under capital leases Â Â (3) Â Â (3) Net cash used in financing activities Â Â (63) Â Â (71) Net (decrease) increase in cash, cash equivalents Â Â (1,811) Â Â 151 Â Cash and cash equivalents at beginning of period Â Â 23,139 Â Â Â 35,159 Â Cash and cash equivalents at end of period Â $ 21,328 Â Â $ 35,310 Â Supplemental disclosure of cash flow information: Â Â Â Â Â Â Cash paid for income taxes Â $ 10 Â Â $ 3 Â Â See accompanying notes to the condensed consolidated financial statements. 10 PALLADYNE AI CORP.NOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS(Unaudited) 1. Basis of Presentation and Summary of Significant Accounting Policiesâ€‹Description of the BusinessÂ Palladyne AI Corp. (the â€œCompanyâ€ or â€œPalladyne AIâ€) is a pioneer in the robotic systems industry. The Companyâ€™s mission is to deliver software to its customers that enhances the utility and functionality of third-party stationary and mobile robotic systems by enabling these systems to quickly observe, learn, reason and act in structured and unstructured environments. The Companyâ€™s full-stack, closed-loop autonomy software platform (â€œAI/ML Software Platformâ€) is being designed with artificial intelligence (â€œAIâ€) and machine learning (â€œMLâ€) technologies to enable robotic systems to perceive their environment and quickly adapt to changing circumstances by generalizing (i.e., learning) from their past experience using dynamic real-time operations â€œon the edgeâ€ (i.e., on the robotic system) without extensive programming and with minimal robot training. To reflect the Companyâ€™s transition from a hardware-focused company, in March 2024 the Company changed its name from Sarcos Technology and Robotics Corporation to Palladyne AI Corp. Â Basis of Presentation and Consolidationâ€‹The accompanying interim unaudited condensed consolidated financial statements have been prepared in accordance with accounting principles generally accepted in the United States (â€œGAAPâ€). The condensed consolidated financial statements as of September 30, 2024, are unaudited. The condensed consolidated balance sheet as of December 31, 2023, included herein was derived from the audited consolidated financial statements as of that date. Certain information and note disclosures normally included in annual financial statements prepared in accordance with GAAP have been condensed or omitted. As such, the information included herein should be read in conjunction with the consolidated financial statements and accompanying notes as of and for the year ended December 31, 2023, included in the Companyâ€™s Annual Report on Form 10-K, filed with the SEC on February 28, 2024. The condensed consolidated financial statements include the accounts of the Company and its wholly owned subsidiaries. All intercompany accounts and transactions have been eliminated in consolidation. The Companyâ€™s fiscal year begins on January 1 and ends on December 31. In the opinion of the Companyâ€™s management, the unaudited condensed consolidated financial statements include all adjustments necessary for fair financial statement presentation. All adjustments are of a normal recurring nature. Interim results are not necessarily indicative of the results to be expected for any subsequent quarter or for the fiscal year ending December 31, 2024. Â Reverse Stock SplitÂ On July 5, 2023, the Company effected a 1-for-6 reverse stock split ("Reverse Stock Split") of the Company's outstanding shares of Common Stock, as approved by the Company's stockholders at the Companyâ€™s Annual Meeting of Stockholders held on June 14, 2023. All share and per share amounts of Common Stock, options, warrants, restricted stock and restricted stock units in the accompanying condensed consolidated financial statements and notes thereto have been retroactively adjusted for all periods presented to reflect the reverse stock split.Â Summary of Significant Accounting Policies and Use of EstimatesÂ There have been no changes to the Companyâ€™s significant accounting policies, and use of estimates and assumptions described in the annual consolidated financial statements for the year ended December 31, 2023, that have had a material impact on the Companyâ€™s condensed consolidated financial statements and related notes. Liquidity and Capital ResourcesÂ Cash, cash equivalents and marketable securities were $21.3 million as of September 30, 2024, compared to $39.1 million as of December 31, 2023. The Company has incurred losses and negative cash flows from operations since inception and is likely to continue to incur losses and negative cash flows from operations in the near term. As of September 30, 2024, the Company had an accumulated deficit of approximately $437.9 million and working capital of $19.8 million. Â These financial statements have been prepared in accordance with GAAP and on the basis that the Company will continue as a going concern, which contemplates the realization of assets and the satisfaction of liabilities and commitments in the normal course of business. 11 Â The Companyâ€™s main source of liquidity has been cash generated by equity offerings. The Companyâ€™s primary use of

cash is for operations and administrative activities including employee-related expenses, and general, operating and overhead expenses. Future capital requirements will depend on many factors, including the Companyâ€™s timing and extent of development efforts, the expansion and success of sales and marketing activities, customer growth rate, customer retention, the introduction of new and enhanced product offerings and market acceptance of the Companyâ€™s products. The Company believes it has sufficient financial resources for at least the next 12 months from the date of this Report. Â Revenue RecognitionÂ The Company recognizes revenue from the sale of its products and from the delivery of goods and services arising out of its contractual arrangements to provide product development contract services that are funded by the customer. The Company recognizes revenue when promised goods or services are transferred to customers in an amount that reflects the consideration to which the Company expects to be entitled in exchange for those goods or services by following a five-step process: (1)Identify the contract with a customer: A contract with a customer exists when (i) the Company enters into an enforceable contract with a customer that defines each partyâ€™s rights and obligations regarding the products and services to be transferred and identifies the payment terms related to these products and services, (ii) the contract has commercial substance and (iii) the Company determines that collection of substantially all consideration for products and services that are transferred is probable based on the customerâ€™s intent and ability to pay the promised consideration. Contract modifications may include changes in scope of work, and/or the period of completion of the project. The Company analyzes contract modifications to determine if they should be accounted for as a modification to an existing contract or a new stand-alone contract.Â (2)Identify the performance obligations in the contract: The Company enters into contracts that can include combinations of products and services, which are either capable of being distinct and accounted for as separate performance obligations or as one performance obligation if the majority of tasks and services form a single project or capability. Determining whether products or services are considered distinct performance obligations that should be accounted for separately may require significant judgment.Â (3)Determine the transaction price: The transaction price is determined based on the consideration to which the Company will be entitled in exchange for transferring goods or services to the customer. Such amounts are typically stated in the customer contract. However, to the extent that the Company identifies variable consideration, the Company will estimate the variable consideration at the onset of the arrangement as long as it is probable that a significant reversal in the amount of cumulative revenue recognized will not occur when the uncertainty associated with the variable consideration is subsequently resolved. The Companyâ€™s current contracts do not include any significant financing components because the timing of the transfer of the underlying products and services under contract are at the customer's discretion. Additionally, the Company does not adjust the promised amount of consideration for the effects of a significant financing component if the Company expects, at contract inception, that the period between when the Company transfers a promised good or service to a customer and when the customer pays for that good or service will be one year or less. Taxes collected from customers and remitted to governmental authorities are not included in revenue. Â (4)Allocate the transaction price to performance obligations in the contract: Once the Company has determined the transaction price, the total transaction price is allocated to each performance obligation in a manner depicting the amount of consideration to which the Company expects to be entitled in exchange for transferring the good(s) or service(s) to the customer. If applicable, the Company allocates the transaction price to each performance obligation identified in the contract on a relative standalone selling price basis. The standalone selling price represents the amount the Company would sell the good(s) or service(s) to a customer on a standalone basis. For government contracts, the Company uses expected cost plus a margin as the standalone selling price. Because the Company's contract pricing with government customers is generally based on expected cost plus a margin, the standalone selling price of the good(s) or service(s) in the Company's contracts with government customers are typically equal to the selling price stated in the contract. When we sell standard good(s) or service(s) with observable standalone sale transactions, the observable standalone sales transactions are used to determine the standalone selling price.Â (5)Recognize revenue when or as the Company satisfies a performance obligation: For each performance obligation identified, the Company determines at contract inception whether it satisfies the performance obligation over time or at a point in time. For performance obligations satisfied over time, revenue is recognized as work progresses when the Company is entitled to the reimbursement of costs plus a reasonable profit for work performed for which the Company has no alternate use. For these performance obligations, the Company generally recognizes revenue using an input method with revenue amounts being recognized proportionately as costs are incurred relative to the total expected costs to satisfy the performance obligation. The Company believes that costs incurred as a portion of total estimated costs is an appropriate measure of progress towards satisfaction of the performance obligation since this measure reasonably depicts the progress of the work 12 Â effort. Revenue for performance obligations that are not recognized over time are recognized at the point in time when control transfers to the customer (which is generally upon delivery). For performance obligations that are satisfied at a point in time, the Company evaluates the point in time when the customer can direct the use of, and obtain the benefits from, the products and services. Shipping and handling costs are recorded at the time of product shipment to the customer and are included within revenue.Â Revenue from Contracts with CustomersÂ The Company derives its revenue from two sources. First, the Company enters into research and development agreements primarily relating to the commercialization of the Companyâ€™s products. Second, the Company sells its products and related parts and repair services. Product development contract revenue includes revenue arising from different types of contractual arrangements, including cost-type contracts and fixed-price contracts. Product revenue primarily consists of sales of the Companyâ€™s products. Product Development Contract Revenue Cost-type contracts â€“ Research, development and/or testing service contracts, including cost-plus-fixed-fee and time and material contracts, relate primarily to the development of the Company's products and related technology. Cost-type contracts are generally entered into with the U.S. government. These contracts are billed at cost plus a margin as defined by the contract and the Federal Acquisition Regulation (â€œFARâ€). The FAR establishes regulations around procurement by the government and provides guidance on the types of costs that are allowable in establishing prices for goods and services delivered under government contracts. Revenue on cost-type contracts is recognized over time as goods and services are provided. Fixed-price contracts â€“ Fixed-price development contracts relate primarily to the development of technology in the area of robotic platforms. Fixed-price development contracts generally require a significant service of integrating a complex set of tasks and components into a single deliverable. Revenue on fixed-price contracts is generally recognized over time as goods and services are provided. To the extent the Companyâ€™s actual costs vary from the fixed fee, we will generate more or less profit or could incur a loss. The Company will recognize losses at the contract level in earnings in the period in which they are incurred.Â Product Revenue Product revenue relates to sales of the Companyâ€™s legacy commercially available products, and certain miscellaneous parts, accessories and repair services. The Company provides a limited one-year warranty on certain product sales. Product warranties are considered assurance-type warranties and are not considered to be separate performance obligations. Product revenue is recognized at the point in time when ownership of the goods is transferred, generally at the time of shipment to the customer. At the time product revenue is recognized, an accrual is established for estimated warranty expenses based on historical experience as well as anticipated product performance. Revenue recognized for Product Development Contract Revenue and Product Revenue for the three and nine months ended September 30, 2024 and 2023, were as follows:Â Â For the three months ended September 30, Â Â For the nine months ended September 30, Â (In thousands) Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Product Development Contract Revenue Â $ 764 Â Â $ 1,044 Â Â $ 4,359 Â Â $ 4,614 Â Product Revenue Â Â 107 Â Â Â 783 Â Â Â 2,666 Â Â Â 786 Â Revenue, net Â $ 871 Â Â $ 1,827 Â Â $ 7,025 Â Â $ 5,400 Â Â Contract Balances Â The timing of revenue recognition, billing and cash collection results in the recognition of accounts receivable, unbilled receivables, contract assets and deferred revenue in the Companyâ€™s condensed consolidated balance sheets.Â Cash funds received in excess of revenue recognized that is contingent upon the satisfaction of performance obligations is accounted for as deferred revenue. Contract assets include unbilled receivables which are amounts resulting from timing differences between revenue recognition and billing in accordance with agreed-upon contractual terms, which typically occur subsequent to revenue being recognized. The opening and closing balances of our accounts receivable, unbilled receivables, contract assets and deferred revenue as of September 30, 2024 and December 31, 2023, are as follows: 13 Â Â (In thousands) Â Accounts receivable Â Â Unbilled receivable Â Â Contract assets(current) Â Â Contract assets(long-term) Â Â Deferred revenue(current) Â Ending Balance as of December 31, 2023 Â $ 555 Â Â $ 2,034 Â Â $ 50 Â Â $ 1 Â Â $ 75 Â Increase/(decrease), net Â Â 63 Â Â Â (455) Â Â (24) Â Â (1) Â Â (75) Ending Balance as of September 30, 2024 Â $ 618 Â Â $ 1,579 Â Â $ 26 Â Â $ â€“ Â Â $ â€“ Â Â The Company recorded its current contract assets, long-term contract assets and current deferred revenue within prepaid expenses and other current assets, other non-current assets and accrued liabilities, respectively. During the three and nine months ended September 30, 2024, the Company recognized all of the deferred revenue which existed at December 31, 2023. There was no deferred revenue as of December 31, 2022.Â Remaining Performance ObligationsÂ As of September 30, 2024, the Company had backlog, or revenue related to remaining performance obligations, of $3.7 million. The Company expects most of this backlog to be recognized over the next 12 months. The Companyâ€™s backlog represents the expected value of exercised contracts, both funded and unfunded, less revenue recognized to date.Recently Issued Accounting Standard Pronouncements Â As an emerging growth company (â€œEGCâ€), the Jumpstart Our Business Startups Act (â€œJOBS Actâ€) allows the Company to delay adoption of new or revised accounting pronouncements applicable to public companies until such pronouncements are applicable to private companies. The Company has elected to use this extended transition period under the JOBS Act until such time as the Company is no longer considered to be an EGC. The adoption dates discussed below reflect this election. In November 2023, the Financial Accounting Standards Board (â€œFASBâ€) issued ASU No. 2023-07 (â€œASU 2023-07â€), Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures, which requires enhanced disclosure of significant segment expenses on an annual and interim basis. ASU 2023-07 is effective for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 31, 2024, on a retrospective basis. Early adoption is permitted. The Company is currently evaluating the impact of this accounting standard update on its consolidated financial statements and related disclosures.Â In December 2023, the FASB issued ASU No. 2023-09 (â€œASU 2023-09â€), Income Taxes (Topic 740): Improvements to Income Tax Disclosures. ASU 2023-09 requires companies to disclose, on an annual basis, specific categories in the effective tax rate reconciliation and provide additional information for reconciling items that meet a quantitative threshold. In addition, ASU 2023-09 requires companies to disclose additional information about income taxes paid. ASU 2023-09 will be effective for annual periods beginning January 1, 2026 and will be applied on a prospective basis with the option to apply the standard retrospectively. The Company does not expect a material impact on its consolidated financial statements related to ASU 2023-09. Â 2. Fair Value MeasurementsÂ ASC Topic 820, Fair Value Measurement, defines fair value as the exchange price that would be received for an asset, or an exit price paid to transfer a liability in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants on the measurement date. Valuation techniques used to measure fair value must maximize the use of observable inputs and minimize the use of unobservable inputs. The fair value hierarchy defines a three-level valuation hierarchy for disclosure of fair value measurements as follows:Â Level 1â€”Fair value is based on observable inputs such as quoted prices for identical assets or liabilities in active markets.Â Level 2â€”Fair value is determined using quoted prices for similar assets or liabilities in active markets or quoted prices for identical or similar assets or liabilities in markets that are not active or are directly or indirectly observable.Â Level 3â€”Fair value is determined using one or more significant inputs that are unobservable in active markets at the measurement date, such as an option pricing model, discounted cash flow or similar technique.Â 14 Â Financial Assets and Liabilities Measured at Fair Value on a Recurring BasisÂ On a recurring basis, the Company measures certain of its financial assets and liabilities at fair value. The fair value of the Companyâ€™s financial assets and liabilities measured at fair value on a recurring basis was determined using the following inputs as of September 30, 2024 and December 31, 2023:Â Â As of September 30, 2024 Â (In thousands) Â Level 1 Â Â Level 2 Â Â Level 3 Â Â Total Â Assets: Â Â Â Â Â Â Â Â Â Â Â Â Cash equivalents: Â Â Â Â Â Â Â Â Â Â Â Â U.S. Treasury securities Â $ 3,000 Â Â $ â€” Â Â $ â€” Â Â $ 3,000 Â Total assets Â $ 3,000 Â Â $ â€” Â Â $ â€” Â Â $ 3,000 Â Â Â Â Â Â Â Â Â Â Â Â Liabilities: Â Â Â Â Â Â Â Â Â Â Â Â Warrant liability Â $ â€” Â Â $ 204 Â Â $ â€” Â Â $ 204 Â Total liabilities Â $ â€” Â Â $ 204 Â Â $ â€” Â Â $ 204 Â Â ï»¿ Â As of December 31, 2023 Â (In thousands) Â Level 1 Â Â Level 2 Â Â Level 3 Â Â Total Â Assets: Â Â Â Â Â Â Â Â Â Â Â Â Cash equivalents: Â Â Â Â Â Â Â Â Â Â Â Â U.S. Treasury securities Â $ 4,973 Â Â $ â€” Â Â $ â€” Â Â $ 4,973 Â Marketable securities: Â Â Â Â Â Â Â Â Â Â Â Â U.S. treasury securities Â Â 15,947 Â Â Â â€” Â Â Â â€” Â Â 15,947 Â Total assets Â $ 20,920 Â Â $ â€” Â Â $ â€” Â Â $ 20,920 Â Â Â Â Â Â Â Â Â Â Â Â Liabilities: Â Â Â Â Â Â Â Â Â Â Â Â Warrant liability Â $ â€” Â Â $ 29 Â Â $ â€” Â Â $ 29 Â Total liabilities Â $ â€” Â Â $ 29 Â Â $ â€” Â Â $ 29 Â As of September 30, 2024, the Company held $3.0 million of available-for-sale debt securities with maturity dates within one year. The fair value of the Company's available-for-sale debt securities approximates their amortized cost basis. The Company considers all highly liquid investments purchased with an original maturity of three months or less to be cash equivalents. The carrying amounts of accounts receivable, unbilled receivables, accounts payable and accrued expenses approximate their fair values because of the relatively short periods until they are required to be settled. Â 3. Balance Sheet ComponentsÂ Inventories, NetÂ As of September 30, 2024 and December 31, 2023, inventories, net consisted of the following:Â (In thousands) Â September 30, 2024 Â Â December 31, 2023 Â Finished goods, net Â $ â€” Â Â $ 1,065 Â Total inventories Â $ â€” Â Â $ 1,065 Â Â Prepaid Expenses and Other Current AssetsÂ As of September 30, 2024 and December 31, 2023, prepaid expenses and other current assets consist of the following:Â (In thousands) Â September 30, 2024 Â Â December 31, 2023 Â Prepaid insurance Â $ 110 Â Â $ 873 Â Software Â Â 740 Â Â Â 1,028 Â Other prepaid expenses and assets Â Â 323 Â Â Â 422 Â Total prepaid expenses and other current assets Â $ 1,173 Â Â $ 2,323 Â Â 15 Â Property and Equipment, NetÂ As of September 30, 2024 and December 31, 2023, property and equipment, net consist of the following:Â (In thousands) Â September 30, 2024 Â Â December 31, 2023 Â Robotics and manufacturing equipment Â $ 1,097 Â Â $ 1,841 Â Leasehold improvements Â Â 3,927 Â Â Â 4,458 Â Computer equipment Â Â 1,269 Â Â Â 1,729 Â Financed leased computer equipment Â Â 19 Â Â Â 19 Â Software Â Â 36 Â Â Â 44 Â Furniture and fixtures, and other fixed assets Â Â 1,003 Â Â Â 1,018 Â Property and equipment, gross Â Â 7,351 Â Â Â 9,109 Â Accumulated depreciation Â Â (2,941) Â Â (4,267) Property and equipment, net Â $ 4,410 Â Â $ 4,842 Â Â Depreciation expenses were $0.2 million and $0.5 million, for the three months ended September 30, 2024 and 2023, respectively. Depreciation expenses were $0.6 million and $1.3 million, for the nine months ended September 30, 2024 and 2023, respectively.Â Accrued LiabilitiesÂ As of September 30, 2024 and December 31, 2023, accrued liabilities consist of the following:Â (In thousands) Â September 30, 2024 Â Â December 31, 2023 Â Payroll and related costs Â $ 2,733 Â Â $ 3,913 Â Contract restructuring accrual Â Â â€” Â Â Â 506 Â Legal services accrual Â Â 149 Â Â Â 547 Â Other accrued expenses and current liabilities Â Â 664 Â Â Â 839 Â Total accrued liabilities Â $ 3,546 Â Â $ 5,805 Â Â 4. Earn-Out SharesOn September 24, 2021 (the â€œClosing Dateâ€), Rotor Acquisition Corp. (â€œRotorâ€), a Delaware corporation, consummated the previously announced business combination (the â€œBusiness Combinationâ€) pursuant to the terms of the Agreement and Plan of Merger, dated as of April 5, 2021 (the â€œOriginal Merger Agreementâ€), by and among Rotor, Rotor Merger Sub Corp., a Delaware corporation and a direct, wholly-owned subsidiary of Rotor (â€œMerger Subâ€), and Sarcos Corp., a Utah corporation (â€œOld Sarcosâ€), and Amendment No. 1 to the Agreement and Plan of Merger, dated as of August 28, 2021 (the â€œAmendmentâ€ and the Original Merger Agreement, as amended, the â€œMerger Agreementâ€), by and among Rotor, Merger Sub and Old Sarcos. Pursuant to the terms of the Merger Agreement, the Business Combination between Rotor and Old Sarcos was effected through the merger of Merger Sub with and into Old Sarcos, with Old Sarcos continuing as the surviving corporation (the â€œMergerâ€) and a wholly-owned subsidiary of Rotor. On the Closing Date, Rotor changed its name to Sarcos Technology and Robotics Corporation. To reflect the Companyâ€™s transition from a hardware-focused company to an AI software-focused company, in March 2024 the Company changed its name from Sarcos Technology and Robotics Corporation to Palladyne AI Corp.As a result of the Business Combination, each holder of Old Sarcos capital stock is entitled to Contingent Merger Consideration following the closing of the Business Combination in the form of earn-outs, up to an aggregate of 4,687,500 shares of Common Stock (the â€œEarn-Out Sharesâ€). The Earn-Out Shares will become payable as follows:â€¢ ¢2,343,750 shares of Common Stock of the Company in the aggregate if the closing share price of a share of Common Stock of the Company is equal to or exceeds $90.00 for 20 trading days in any 30 consecutive trading day period at any time during the period beginning on the first anniversary of the Closing Date and ending on the fourth anniversary of the Closing Date.â€¢ ¢2,343,750 shares of Common Stock of the Company if the closing share price of a share of Common Stock of the Company is equal to or exceeds $120.00 for 20 trading days in any 30 consecutive trading day period at any time during the period beginning on the first anniversary of the Closing Date and ending on the fifth anniversary of the Closing Date.Â The Earn-Out Shares are treated as equity-linked instruments as opposed to shares outstanding, and as such are not included in shares outstanding on the Companyâ€™s condensed consolidated balance sheets. As of September 30, 2024, there remained 4,687,500 Earn-Out Shares potentially issuable. Â 16 Â 5. WarrantsÂ On January 20, 2021, Rotor consummated the initial public offering (â€œIPOâ€) of 27,600,000 units (the â€œUnitsâ€), including the full exercise by the underwriters of their over-allotment option. Each Unit included one sixth of a share of Class A Common Stock and one half of one warrant (the â€œPublic Warrantsâ€). Simultaneously with the closing of the IPO, Rotor consummated the sale of 7,270,000 warrants (the â€œPrivate Placement

Warrantsâ€) in a private placement to Rotor Sponsor LLC (the â€œSponsorâ€), an affiliate of Rotorâ€™s officers and directors, and certain funds and accounts managed by two qualified institutional buyers. At the Closing Date, Old Sarcos acquired the net liabilities from Rotor, including the Public Warrants, that were recorded as equity instruments, and the Private Placement Warrants, that were recorded as warrant liabilities (together the â€œWarrantsâ€). Each whole Warrant entitles the registered holder to purchase one sixth of a share of the Companyâ€™s Common Stock at a price of $11.50 per warrant, subject to adjustment as discussed below, at any time commencing on January 20, 2022, provided that the Company has an effective registration statement under the Securities Act of 1933, as amended (the â€œSecurities Actâ€) covering the shares of the Common Stock issuable upon exercise of the Warrants and a current prospectus relating to them is available (or the Company permits holders to exercise their Warrants on a cashless basis under the circumstances specified in the warrant agreement (the â€œWarrant Agreementâ€) entered into between Continental Stock Transfer & Trust Company and Rotor and such shares are registered, qualified or exempt from registration under the securities laws of the state of residence of the holder. Pursuant to the Warrant Agreement, a Warrant holder may exercise its Warrants only for a whole number of shares of the Companyâ€™s Common Stock. The Warrants will expire five years after the completion of the Business Combination, or September 24, 2026, at 5:00 p.m., New York City time, or earlier upon redemption or liquidation. As of September 30, 2024, there were 20,549,453 Warrants outstanding. The Company will not be obligated to deliver any Common Stock pursuant to the exercise of a Warrant and will have no obligation to settle such Warrant exercise unless a registration statement under the Securities Act with respect to the shares of Common Stock underlying the Warrants is then effective and a prospectus relating thereto is current, subject to the Company satisfying its obligations described below with respect to registration, or a valid exemption from registration is available. No Warrant will be exercisable, and the Company will not be obligated to issue a share of Common Stock upon exercise of a Warrant unless the share of the Companyâ€™s Common Stock issuable upon such Warrant exercise has been registered, qualified or deemed to be exempt under the securities laws of the state of residence of the registered holder of the Warrants. If the conditions in the two immediately preceding sentences are not satisfied with respect to a Warrant, the holder of such Warrant will not be entitled to exercise such Warrant and such Warrant may have no value and expire worthless. In no event will the Company be required to net cash settle any Warrant. In the event a registration statement is not effective for the exercised Warrants, the purchaser in the Rotor IPO of a Unit containing such Warrant will have paid the full purchase price for the Unit solely for the share of the Companyâ€™s Common Stock underlying such Unit. Except as described herein, the Private Placement Warrants have terms and provisions that are identical to those of the Public Warrants. If the Private Placement Warrants are held by holders other than the initial purchasers or their permitted transferees, the Private Placement Warrants will be redeemable by the Company in all redemption scenarios and exercisable by the holders on the same basis as the Public Warrants. The Private Placement Warrants will not be redeemable by the Company so long as they are held by the initial purchasers or their permitted transferees, subject to certain exceptions. The initial purchasers or their permitted transferees, have the option to exercise the Private Placement Warrants on a cashless basis. Redemption of Warrants When the Price per Share of the Companyâ€™s Common Stock Equals or Exceeds $108.00. Once the Warrants become exercisable, the Company may call the Warrants for redemption:â€¢in whole and not in part;â€¢at a price ofâ€‰$0.01 per Warrant;â€¢upon not less than 30 daysâ€™ prior written notice of redemption (the â€œ30-day redemption periodâ€) to each Warrant holder; andâ€¢if, and only if, the last reported sale price of the shares of the Companyâ€™s Common Stock for any 20 trading days within a 30-trading day period commencing after the Warrants become exercisable and ending three business days before the Company sends the notice of redemption to the Warrant holders (which is referred to as the â€œReference Valueâ€) equals or exceeds $108.00 per share (as adjusted for stock splits, stock dividends, reorganizations, recapitalizations and the like). If and when the Warrants become redeemable by the Company, the Company may exercise its redemption right even if it is unable to register or qualify the underlying securities for sale under all applicable state securities laws. However, the Company will not redeem the Warrants unless an effective registration statement under the Securities Act covering the shares of the Companyâ€™s Common Stock issuable upon exercise of the Warrants is effective and a current prospectus relating to those shares of the Companyâ€™s Common Stock is available throughout the 30-day redemption period. 17 Â Redemption of Warrants When the Price per Share of Our Common Stock Equals or Exceeds $60.00. Once the Warrants become exercisable, the Company may redeem the outstanding Warrants (except as described herein with respect to the Private Placement Warrants if the Company does not utilize this redemption provision):â€¢in whole and not in part;â€¢at $0.10 per Warrant upon a minimum of 30 daysâ€™ prior written notice of redemption; provided that holders will be able to exercise their Warrants on a cashless basis prior to redemption and receive that number of shares determined by reference to an agreed table based on the redemption date and the â€œfair market valueâ€ of the Companyâ€™s Common Stock;â€¢if, and only if, the Reference Value (as defined above) equals or exceeds $60.00 per share (as adjusted for stock splits, stock dividends, reorganizations, recapitalizations and the like); andâ€¢if the Reference Value is less than $108.00 per share (as adjusted for stock splits, stock dividends, reorganizations, recapitalizations and the like) the Private Placement Warrants must also be concurrently called for redemption on the same terms (except as described above with respect to a holderâ€™s ability to cashless exercise its Warrants) as the outstanding Public Warrants, as described above. Â 6. Stock-based CompensationÂ 2021 Stock PlanÂ The 2021 Equity Incentive Plan (the â€œ2021 Planâ€) provides stock options, restricted stock units (â€œRSUsâ€), restricted stock awards (â€œRSAsâ€), stock appreciation rights (â€œSARSâ€) and performance awards for issuance to Company employees, officers, directors, non-employee agents and consultants. In general, outstanding awards granted under the 2021 Plan vest over one to four years and, in the case of options, are exercisable up to 10 years from the date of grant. The maximum number of shares of Common Stock that may be issued pursuant to the 2021 Plan is (i) 5.0 million shares of Common Stock of the Company plus (ii) any shares of Common Stock subject to stock options and other awards that were assumed in the Business Combination and expire or otherwise terminate without having been exercised in full, are tendered to or withheld by the Company for payment of an exercise price or for tax withholding obligations, or are forfeited to or repurchased by the Company due to failure to vest, with the maximum number of shares to be added to the 2021 Plan pursuant to clause (ii) equal to 2.1 million shares of Common Stock. As of September 30, 2024, 2.0 million shares were available to grant under the 2021 Plan. Â 2015 Stock Plan The 2015 Equity Incentive Plan (the â€œ2015 Planâ€) provided stock options, RSUs, RSAs, SARS and performance awards for issuance to Company employees, officers, directors, non-employee agents and consultants. Outstanding awards under the 2015 Plan generally vest over three to five years and are exercisable up to 10 years from the date of grant. Unvested options are forfeited upon termination. No further awards may be made under the 2015 Plan. Any forfeited awards will be added to the 2021 Plan as described above. Â 2024 Inducement Plan We have adopted the 2024 Inducement Equity Incentive Plan (the â€œInducement Planâ€) with an effective date of December 15, 2024, to reserve 500,000 shares of Common Stock to be used exclusively for grants of nonstatutory stock options, RSUs, RSAs, SARS and performance awards to individuals who were not previously employees or directors of the Company (or who are returning to employment following a bona fide period of non-employment), as an inducement material to the individualâ€™s entry into employment with the Company, pursuant to Nasdaq Listing Rule 5635(c)(4). The Inducement Plan was adopted and approved without stockholder approval pursuant to Nasdaq Listing Rule 5635(c)(4). As of December 15, 2024, 500,000 shares of Common Stock will be available to grant under the Inducement Plan. As of September 30, 2024, no stock-based compensation expense has been incurred in respect of the Inducement Plan. 2021 Employee Stock Purchase Plan The 2021 Employee Stock Purchase Plan (the â€œESPPâ€) provides for the issuance of shares of Common Stock pursuant to purchase rights granted to employees over designated offering periods, by funds accumulated primarily through elective payroll deductions. As of September 30, 2024, no offering periods have commenced and no shares have been issued under the ESPP. 18 Â We will commence offerings under the ESPP beginning with the first offering to begin in December 2024. Offering periods are generally to be six months long and begin on June 1 and December 1 of each year. The purchase price for shares of Common Stock purchased under the ESPP is to be 85% of the lesser of the fair market value of the Common Stock on (i) the first trading day of the applicable offering period and (ii) the last trading day of the offering period. As of September 30, 2024, no stock-based compensation expense has been incurred in respect of the ESPP.Â Stock Option ActivityÂ The following summarizes the Companyâ€™s stock option activity for the nine months ended September 30, 2024: Â Â Options Outstanding Â Â Â Â Â Â Â Â Â Â Number of Shares Â Â Weighted Average Exercise Price Â Â Weighted-Average Remaining Contractual Term (in years) Â Â Aggregate Intrinsic Value (in thousands) Â Outstanding â€“ December 31, 2023 Â Â 2,845,084 Â Â $ 9.82 Â Â Â 7.2 Â Â $ 91 Â Granted Â Â 555,000 Â Â 1.77 Â Â Â Â Â ï»¿ Â Exercised Â Â (109,722) Â 0.22 Â Â Â Â Â Â 164 Â Cancelled Â Â (1,746,065) Â 11.22 Â Â Â Â Â ï»¿ Â Outstanding â€“ September 30, 2024 Â Â 1,544,297 Â Â $ 1.82 Â Â Â 7.5 Â Â $ 307 Â Exercisable â€“ December 31, 2023 Â Â 1,250,104 Â Â $ 11.62 Â Â Â 5.0 Â Â $ 91 Â Exercisable â€“ September 30, 2024 Â Â 511,120 Â Â $ 1.89 Â Â Â 4.8 Â Â $ 146 Â Option RepricingÂ On April 17, 2024, the Company amended certain options to purchase 773,551 shares of the Companyâ€™s Common Stock. All of the options subject to the amendments had exercise prices that exceeded the value of the Companyâ€™s Common Stock on the amendment date. Â One set of amendments, which were entered into with seven senior employees of the Company, applied to options to purchase an aggregate of 225,670 shares held by those seven senior employees. These amendments (1) re-started the vesting schedule of the amended options, including for options that had already vested and (2) reduced the per share exercise price of the options to $1.59 (the â€œNew Exercise Priceâ€), which is equal to the closing price of the Companyâ€™s Common Stock on April 17, 2024, the effective date of the amendments. No other terms of these options were modified. Â The other set of amendments applied to options to purchase an aggregate of 547,881 shares held by other eligible current employees and service providers of the Company with an exercise price per share greater than the New Exercise Price. These amendments reduced the per share exercise price of affected options to the New Exercise Price, which is equal to the closing price of the Companyâ€™s Common Stock on April 17, 2024, the effective date of the amendments. No other terms of such options were modified. Â The total incremental fair value to be recognized as a result of the amendments was $0.2 million. The incremental fair value attributable to the vested options of $0.1 million was recognized as stock-based compensation expense during the nine months ended September 30, 2024. The remaining incremental fair value attributable to the unvested option shares will be amortized over the remaining requisite service periods.Â Restricted Stock Units ActivityÂ The following summarizes the Companyâ€™s RSU activity for the nine months ended September 30, 2024:Â Â Restricted Stock Units Outstanding Â Â Number of Shares Â Â Weighted-Average Grant-Date Fair Value Â Outstanding â€“ December 31, 2023 Â Â 1,180,115 Â Â $ 4.49 Â Granted Â Â 1,544,319 Â Â Â 1.00 Â Released Â Â (297,945) Â Â 3.79 Â Cancelled Â Â (700,797) Â 3.95 Â Outstanding â€“ September 30, 2024 Â Â 1,725,692 Â Â $ 1.71 Â Â 19 Â Â Restricted Stock Awards ActivityÂ The following summarizes the Companyâ€™s employee RSA activity for the nine months ended September 30, 2024:Â Â Restricted Stock Awards Outstanding Â Â Number of Shares Â Â Weighted-Average Grant-Date Fair Value Â Outstanding â€“ December 31, 2023 ï»¿ Â â€“ Â Â $ â€“ Â Granted Â Â 625,000 Â Â $ 0.59 Â Outstanding â€“ September 30, 2024 Â Â 625,000 Â Â $ 0.59 Â Â Stock-Based Compensation ExpenseÂ The Company recognized stock-based compensation expense in the condensed consolidated statement of operations and comprehensive loss as follows: Â Â For the three months ended September 30, Â Â For the nine months ended September 30, Â (In thousands) Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Cost of revenue Â $ 11 Â Â $ 32 Â Â $ 18 Â Â $ 70 Â Research and development Â Â 40 Â Â Â 323 Â Â Â 72 Â Â Â 910 Â Sales and marketing Â Â 209 Â Â Â 149 Â Â Â 493 Â Â Â 662 Â General and administrative Â Â 438 Â Â Â 1,175 Â Â Â 1,644 Â Â Â 4,771 Â Asset write-down and restructuring Â Â â€” Â Â Â 4,395 Â Â Â â€” Â Â Â 4,395 Â Total stock-based compensation expense Â $ 698 Â Â $ 6,074 Â Â $ 2,227 Â Â $ 10,808 Â Â As of September 30, 2024, there was approximately $4.8 million of unrecognized stock-based compensation cost, which is expected to be recognized over a weighted average period of 2.6 years. Â 7. Net Loss Per ShareÂ The following table sets forth the computation of the basic and diluted net loss per share attributable to common stockholders for the three and nine months ended September 30, 2024 and 2023: Â ï»¿ Â For the three months ended September 30, Â Â For the nine months ended September 30, Â (In thousands, except share and per share data) Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Numerator: Â ï»¿ Â Â ï»¿ Â Â ï»¿ Â Â ï»¿ Â Net loss Â $ (7,096) Â $ (28,981) Â $ (19,648) Â $ (79,117) Denominator: Â ï»¿ Â Â ï»¿ Â Â ï»¿ Â Â ï»¿ Â Weighted average shares outstanding, basic and diluted Â Â 26,177,413 Â Â Â 25,706,023 Â Â Â 26,018,708 Â Â Â 25,563,895 Â Basic and diluted net loss per share Â $ (0.27) Â $ (1.13) Â $ (0.76) Â $ (3.09) Anti-dilutive securities, excluded Â Â 12,007,398 Â Â Â 12,473,978 Â Â Â 12,007,398 Â Â Â 12,473,978 Â Â Basic and diluted net loss per share attributable to common stockholders is the same for the three and nine months ended September 30, 2024 and 2023, as the inclusion of potential shares of Common Stock would have been antiâ€‘dilutive for the periods presented. Â 8. Income TaxesÂ To determine the Companyâ€™s quarterly provision for income taxes, the Company used an estimated annual effective tax rate that is based on expected annual income and statutory tax rates in the various jurisdictions in which the Company operates. Certain significant unusual or infrequently occurring items that are separately reported are separately recognized in the quarter during which they occur and can be a source of variability in the effective tax rate from quarter to quarter.Â The Company had no significant income tax expense for the three and nine months ended September 30, 2024 and 2023. The provision for income taxes for the three months ended September 30, 2024 and 2023 is based on the Companyâ€™s estimated annualized effective tax rate for the fiscal years ending December 31, 2024 and 2023, respectively. For the three and nine months ended September 30, 2024, the Companyâ€™s recognized effective tax rate differs from the U.S. federal statutory rate as the Company recorded net losses during the period with a corresponding full valuation allowance on the net deferred tax assets created from the losses. 20 Â Â 9. Commitments and ContingenciesÂ Legal ProceedingsÂ The Company has been and may in the future be involved in various claims, lawsuits, investigations and other proceedings in the normal course of business. The Company accrues a liability when management believes information available prior to the issuance of its financial statements indicates it is probable a loss has been incurred as of the date of the financial statements and the amount of loss can be reasonably estimated. The Company adjusts its accruals to reflect the impact of negotiation, settlements, rulings, advice of legal counsel and other information and events pertaining to a particular case. Legal costs are expensed as incurred. The Company has not recorded any material loss contingency related to legal proceedings in the balance sheets as of September 30, 2024 and December 31, 2023, respectively.Â IndemnificationsÂ In the ordinary course of business, the Company provides or may provide indemnifications of varying scope and terms to investors, directors, officers, employees, customers or vendors with respect to certain matters, including losses arising out of the Companyâ€™s breach of such agreements, services to be provided by the Company or from intellectual property infringement claims made by third parties. These indemnifications may survive termination of the underlying agreement and the maximum potential amount of future payments the Company could be required to make under these indemnification provisions may not be subject to maximum loss clauses. The maximum potential amount of future payments the Company could be required to make under these indemnification provisions is indeterminable. As of September 30, 2024 and December 31, 2023, the Company has not accrued a liability for these indemnification obligations as the likelihood of incurring a material payment obligation in connection with these indemnification obligations is either not probable or not reasonably estimable. Â 10. Segment InformationÂ The Companyâ€™s Chief Executive Officer (â€œCEOâ€) is the Chief Operating Decision Maker (â€œCODMâ€). The CODM allocates resources and makes operating decisions based on financial information presented on a consolidated basis. The CODM does not evaluate profitability below the level of the consolidated company. Accordingly, the Company has determined that it has a single reportable segment and operating segment structure. The Companyâ€™s revenue is derived primarily from U.S. customers. The Company had $1.1 million and $2.0 million of revenue earned from customers located outside the United States during the three and nine months ended September 30, 2023, respectively. All long-lived assets are maintained in the United States. All losses are attributable to operations within the United States. Â 11. Subsequent EventsÂ On October 31, 2024, the Company entered into a Securities Purchase Agreement with an accredited investor pursuant to which the Company agreed to (a) issue and sell 2,790,700 shares of Common Stock in a registered offering and (b) issue and sell warrants to purchase up to 2,790,700 shares of Common Stock in a private placement. Each share was sold with one common warrant at a combined purchase price of $2.15. Also on October 31, 2024, the Company entered into a separate Securities Purchase Agreement with the Companyâ€™s Chief Executive Officer and certain other members of the Board of Directors in which it agreed to issue and sell in a private placement (a) 430,105 shares of Common Stock at a price of $2.20 per share and (b) warrants to purchase up to 430,105 shares of Common stock at a price of $0.125 per warrant. The Company will receive approximately $7 million in gross proceeds from the Registered Offering and private placements combined. All warrants issued in conjunction with these offerings have an exercise price of $2.30 per share, will become exercisable six months from issuance and will expire five and one-half years from the date of issuance. The transactions closed on November 1, 2024. A.G.P. / Alliance Global Partners acted as the placement agent in connection with the Registered Offering and the private placements. A.G.P. was paid a commission of 7% on the gross proceeds received by the Company in the offerings for sales they arranged. The Company reimbursed A.G.P. $50,000 for certain fees and expenses, including legal fees, and paid a non-accountable expense allowance of $10,000. 21 Â Item 2. Managementâ€™s Discussion and Analysis of Financial Condition and Results of Operations. Â Throughout this section, unless otherwise noted, the â€œCompany,â€ â€œPalladyne AI Corp.,â€ â€œPalladyne,â€ â€œwe,â€ â€œus,â€ and â€œourâ€ refers to Palladyne AI Corp., and its subsidiaries, collectively. You should read the following discussion and analysis of our financial condition and results of operations in conjunction with our unaudited interim condensed consolidated financial

statements and related notes thereto included elsewhere in this Quarterly Report (this â€œReportâ€) as well as our Annual Report on Form 10-K for the fiscal year ended December 31, 2023 (the â€œ2023 Form 10-Kâ€) and our other filings, including Current Reports on Form 8-K, that we have filed with the SEC through the date of this Report. As discussed in the Special Note Regarding Forward-Looking Statements below, in addition to historical information, the following discussion and analysis contains forward-looking statements that involve risks, uncertainties and assumptions. Our actual results may differ materially from those anticipated in these forward-looking statements as a result of certain factors, including those set forth in Part II Item 1A Risk Factors and elsewhere in this Report. Â Special Note Regarding Forward-Looking Statements Certain statements in this Report constitute â€œforward-looking statementsâ€ within the meaning of Section 27A of the Securities Act of 1933, as amended (the â€œSecurities Actâ€) and Section 21E of the Securities Exchange Act of 1934, as amended (the â€œExchange Actâ€). These forward-looking statements relate to expectations for future financial performance, business strategies or expectations for our business. Specifically, forward-looking statements may include statements relating to: â€¢our ability to successfully pivot our business pursuant to our strategy to focus on the development of our full-stack, closed-loop autonomy software platform (â€œAI/ML Software Platformâ€) and related products; â€¢our ability to develop and sell our AI/ML Software Platform and related products and the capabilities and functionality of our AI/ML Software Platform and related products â€¢our expected timeline for commercial release of our products and receipt of corresponding revenues; â€¢nature and size of the markets that we are targeting; â€¢our software product roadmaps, including expected timing of new product releases and target markets; â€¢our ability to respond to rapid technological changes; â€¢competition from existing or future businesses and technologies and the potential advantages of our products as compared to competitors; â€¢our ability to manage our growth and expenses; â€¢our ability to comply with evolving laws and regulations applicable to our business; â€¢our ability to attract and retain qualified personnel with the necessary experience, including employees who are instrumental to our new business strategy; â€¢our projected financial and operating information and estimates of market size and opportunities; â€¢our future financial performance; â€¢the impacts of our reductions in force on our cash usage and savings, cost structure and restructuring costs; â€¢our ability to implement contingency plans to further limit operations and reduce costs and/or seek additional financing should licensing revenues not materialize in time or sufficient amount to support our operations; â€¢the impact of natural disasters, health epidemics and global economic and geopolitical conditions and international conflicts on our business and the business of our customers; â€¢changes in the markets for our software products; â€¢expansion plans and opportunities; â€¢future capital requirements and sources and uses of cash; â€¢our ability to defend and the outcome of any known and unknown litigation and regulatory proceedings; 22 Â â€¢our ability to maintain, protect and enhance our intellectual property; â€¢our ability to maintain and protect our brand; â€¢our ongoing de minimis hardware development efforts; and â€¢other statements preceded by, followed by or that include the words â€œmay,â€ â€œcan,â€ â€œshould,â€ â€œwill,â€ â€œestimate,â€ â€œplan,â€ â€œproject,â€ â€œforecast,â€ â€œintend,â€ â€œexpect,â€ â€œanticipate,â€ â€œbelieve,â€ â€œseek,â€ â€œaim,â€ â€œtargetâ€ or similar expressions. These forward-looking statements are based on information available as of the date of this Report and our managementâ€™s current expectations, forecasts and assumptions, and involve a number of judgments, risks and uncertainties. Accordingly, forward-looking statements should not be relied upon as representing our views as of any subsequent date, and, in any event, you should not place undue reliance on these forward-looking statements. We do not undertake any obligation to update forward-looking statements to reflect events or circumstances after the date they were made, whether as a result of new information, future events or otherwise, except as may be required under applicable securities laws. These forward-looking statements involve a number of risks, uncertainties (some of which are beyond our control) or other assumptions that may cause actual results or performance to be materially different from those expressed or implied by these forward-looking statements. These risks and uncertainties include those factors described in Part II Item 1A Risk Factors of this Report. Should one or more of these risks or uncertainties materialize, or should any of the assumptions prove incorrect, actual results may vary in material respects from those projected in these forward-looking statements. Our Risk Factors are not guarantees that no such conditions exist as of the date of this Report and should not be interpreted as an affirmative statement that such risks or conditions have not materialized, in whole or in part. In addition, statements that â€œwe believeâ€ and similar statements reflect our beliefs and opinions on the relevant subject. These statements are based upon information known to us as of the date of this Report, and while we believe such information forms a reasonable basis for such statements, such information may be limited or incomplete, and our statements should not be read to indicate that we have conducted an exhaustive inquiry into, or review of, all potentially available relevant information. These statements are inherently uncertain and investors are cautioned not to unduly rely upon these statements. Overview Â Our mission is to deliver software to our customers that enhances the utility and functionality of third-party stationary and mobile robotic systems by enabling these systems to quickly observe, learn, reason and act in structured and unstructured environments. Our AI/ML Software Platform is designed with artificial intelligence, or AI, and machine learning, or ML, technologies to enable robotic systems to perceive their environment and quickly adapt to changing circumstances by generalizing (i.e., learning) from their past experience using dynamic real-time operations â€œon the edgeâ€ (i.e., on the robotic system) without extensive programming and with minimal robot training. We believe this â€œhuman-likeâ€ ability to learn and adapt will be a key differentiator in helping our customers maintain optimal productivity in dynamic or unstructured environments, where new situations and unexpected challenges are more likely to cause delays and costly downtime. Our value proposition is further enhanced relative to other competitive solutions because robotic systems using our AI/ML Software Platform are not required to be continuously connected to the cloud for our software to function, thereby reducing the performance issues associated with poor connectivity and latency typically associated with processing in the cloud. Our approach also reduces the expense typically associated with transmitting large amounts of data to and from the cloud. As a pioneer in the robotic systems industry, we benefit from lessons learned over 30-plus years, as well as significant investment in our internal research and development efforts. Software has been an integral part of our development efforts over the years. Our vision for our AI/ML Software Platform began in 2017 as a foundational technology to enhance training for the autonomous operation of our own internally developed hardware solutions and progressed to our first contract with the U.S. Department of Defense to develop our CYTAR (Cybernetic Training for Autonomous Robots) AI/ML platform in 2019. We have since continued to develop our AI/ML software both for the U.S. Department of Defense and in connection with our development of commercial robotic systems. We designed our AI/ML Software Platform to be hardware agnostic in order to be compatible with most industrial robots being sold today and to support specific types of commercially available robots with additional development and the necessary application programming interface (API). The AI/ML Software Platform is designed to enable robotic systems to perform tasks that involve variations in the environment and the objects being manipulated by the robot. Specifically, our AI/ML Software Platform incorporates internal and external environmental inputs that allow robots to comprehend their environment, determine reasonable behavior given these inputs and to act in real time to achieve the expected task. Each newly learned task will then be incorporated and used to perform future tasks. We believe this closed-loop autonomy approach is the key to how our software can expedite robot training, expand the tasks that a robot can perform, reduce costly workflow stoppages, mitigate downtimes and reduce human labor requirements. 23 Â Our AI/ML Software Platform is the foundation for our first two software products. The first, Palladyne IQ, has been developed for use with both stationary industrial robots and cobots, and the second, Palladyne Pilot, is being developed for use with mobile robotic platforms such as drones and unmanned ground vehicles. Â We released the initial commercial version of our Palladyne IQ product on October 1, 2024 on schedule, and expect to release the initial commercial version of Palladyne Pilot by the end of the first quarter of 2025. The initial commercial version of our Palladyne IQ product continues to undergo reliability testing, debugging and other stabilizing improvements as we continue internal testing and learn from customer trials. We have conducted and continue to conduct customer trials of Palladyne IQ, and we expect more trials to begin throughout the remainder of 2024. We expect to begin generating revenues from commercial customers of Palladyne IQ in 2025. We expect to have the MVP version (i.e., a version of the product that is capable of performing the minimal functions necessary but that does not have all the features of and has not been fully tested, debugged or refined into our planned product for general commercial release) of Palladyne Pilot ready for customer trials by the end of 2024 and a commercial product ready for release by the end of the first quarter of 2025. We recently completed a customer trial of an early version of Palladyne Pilot on stationary devices. Â We have U.S. government revenue-generating contracts related to various aspects of our AI/ML Software Platform and our Palladyne IQ and Palladyne Pilot products. As scheduled to date, we have timely met all the development milestones associated with these contracts and recognized revenue based on work completed. Although to date we have met our key AI/ML Software Platform and related products' product development timelines and government contract milestones on schedule, we may not be able to do so in the future and our current expectations regarding the timing or success of customer trials, product release, revenues, features and related matters may be delayed or may not occur. Please see Part II Item 1A Risk Factors for a discussion of the risks related to these activities, in particular those discussed under â€œRisks Related to our Businessâ€. As a result of our business evaluation and refined product strategy announced in 2023, we reorganized our operations to focus on this AI/ML Software Platform opportunity and are taking or have taken actions to reduce costs, including our 2023 RIFs (as defined below) and winding down substantially all of our operations in Pittsburgh, Pennsylvania. For additional information around the risks associated with our strategic decision-making see Part II Item 1A Risk Factors â€œDue to our limited resources and access to capital, and our failure to properly estimate the time and expense required to commercialize our hardware-centric industrial robotics solutions, we made the decision to focus on our AI/ML Software Platform and related products and to suspend the development and commercialization of our hardware products. These and future decisions about how to use our limited resources may prove to be wrong and may adversely affect our business.â€ Â Key Factors Affecting Operating Results We believe that our performance and future success depend on several factors that present significant opportunities for us but also pose risks and challenges, including those discussed below and in Part II Item 1A Risk Factors. Development, Testing and Commercial Launch of our AI/ML Software Products We currently expect to derive commercial licensing revenues from Palladyne IQ and Palladyne Pilot beginning in 2025. We expect to continue commercialization efforts, internal testing and customer trials for both products for the remainder of 2024. Whether we are successful in these efforts depends on many factors, including those discussed under Part II Item 1A Risk Factors. Such risks may result in delay in achieving product revenues, which would adversely affect our financial condition and operating results. Â Financing of Operations We intend to use our cash on hand to continue to enhance our software platform and products, conduct product development activities, pursue marketing and sales opportunities and fund operations as we seek to commercialize and achieve revenue from our products. The amount and timing of our future funding requirements will depend on many factors, including the pace and results of our product development efforts, our ability to sell our software products and thereby recognize associated revenue, capital and human capital requirements to develop and sell products prior to receiving payments sufficient to cover our costs and our ability to lower product costs as volumes increase. Â We have taken and continue to take numerous steps to manage our use of cash. For example, on July 12, 2023 (the â€œJuly 2023 RIFâ€), and on November 14, 2023 (the â€œNovember 2023 RIF,â€ and together with the July 2023 RIF, the â€œ2023 RIFsâ€), we announced reductions in force intended to further conserve our cash resources and manage operating expenses. The majority of the cash payments related to the expenses from the July 2023 RIF were paid out during the third quarter of 2023. The majority of the cash payments related to the November 2023 RIF were paid out during the fourth quarter of 2023 and the first quarter of 2024. On October 31, 2024 we announced 24 Â that we raised approximately $7 million in gross proceeds from the sale of Common Stock and warrants through a registered offering and two separate private placements. Â We believe we have sufficient liquidity to operate for at least the next 12 months without the need to raise additional capital. However, we may need to seek additional financing during that time to bolster our cash reserves and increase our ability to continue to pursue our business objectives. As a result, we intend to continue monitoring our liquidity, financial and business results and outlook and market conditions, and may be opportunistic and raise capital when we consider market conditions are good or a favorable opportunity exists. Any delays in the successful commercialization and sales of our AI/ML Software Platform will negatively impact our ability to generate revenue, our profitability, our cash flows, our overall operating performance and our ability to continue operations and result in the need to raise additional capital sooner than expected. We will continue to carefully evaluate our use of cash as we pursue our AI/ML Software Platform opportunity. Â Any delays in the successful commercialization and sales of our products will negatively impact our ability to generate revenue, our profitability, our cash flows, our overall operating performance and our ability to continue operations and result in the need to raise additional capital sooner than expected. We will continue to carefully evaluate our use of cash as we pursue our AI/ML Software Platform opportunity. Â Customer Demand Although demand for AI/ML platforms and applications has grown in recent years, the market for these platforms and applications continues to evolve. The market demand for our software products is unproven, and important assumptions about the characteristics of targeted markets, pricing and sales cycles may be inaccurate. While we believe that our AI/ML Software Platform and related products will provide significant benefits and return on investment to customers, we are dependent on customers who are willing to adopt, purchase, and implement new technologies and products. If customer demand does not develop as expected or we do not accurately forecast pricing, adoption rates and sales cycles for our products, our business, results of operations and financial condition will be adversely affected. Continued Investment and Innovation We are a pioneer in the robotic systems industry and benefit from lessons learned over 30-plus years and significant investment in research and development in our proprietary technologies. Through our previous hardware development efforts, we developed a significant amount of advanced technology that we are leveraging to develop our AI/ML Software Platform and related products. We believe our financial performance is dependent on our ability to successfully develop and commercialize our advanced AI/ML technologies and related products. It is important that we continually identify and respond to rapidly evolving customer requirements and competitive threats, develop and introduce innovative products, enhance our products and generate active market demand for and sell our products. If we fail to do this, our market and financial position and revenue may be adversely affected, and our investments in these technologies will not be recovered. Â Geopolitical and Macro-economic Environment Geopolitical and macro-economic factors, such as inflation, interest rates, oil prices, unemployment rates, international conflicts, such as the current wars between Russia and Ukraine and in the middle east, volatility in the stock market and political or social unrest, can have significant impacts on economic activity, which in turn could affect demand for our products or our ability to cost-effectively develop and sell our products. Among other things, these and similar factors can affect our ability to hire or retain qualified personnel, our labor and materials costs, the prices we charge for our software products and the budgets of our customers and their expected return-on-investment from the purchase of a license for our software product. Many of these factors are outside of our control but can have a significant impact on our business success and operating results. If we are unable to manage our business successfully in response to any such factors, our business and results of operations would be adversely affected. Â 25 Â Results of Operations Â Comparison of the Three Months Ended September 30, 2024, and 2023 Â Revenue, Net Â The following table presents our revenue for the three months ended September 30, 2024, and 2023, respectively: Â Â Three Months Ended September 30, Â Â 2024 vs. 2023 Change Â (In thousands) Â 2024 Â Â 2023 Â Â Change Â Â % Change Â Product Development Contract Revenue Â $ 764 Â Â $ 1,044 Â Â $ (280) Â Â (27)% Product Revenue Â Â 107 Â Â Â 783 Â Â Â (676) Â Â (86)% Revenue, net Â $ 871 Â Â $ 1,827 Â Â $ (956) Â Â (52)% Â Revenue decreased by $1.0 million, or 52%, from $1.8 million for the three months ended September 30, 2023, to $0.9 million for the three months ended September 30, 2024, as explained below. Product Development Contract Revenue Product development contract revenue decreased by $0.3 million, or 27%, from $1.0 million for the three months ended September 30, 2023, to $0.8 million for the three months ended September 30, 2024. The decrease was primarily due to the completion of certain product development contracts during 2023 that have not yet been replaced with new contracts. We expect future revenue from product development contracts to fluctuate due to the timing of additional development contracts signed and the completion of existing contracts. For the time being, we intend to take on only those development contracts that we believe support and contribute to our AI/ML Software Platform development efforts. As a result, there may be fewer opportunities to replace completed contracts. Product Revenue Â Revenue derived from product sales decreased by $0.7 million, or 86%, from $0.8 million for the three months ended September 30, 2023, to $0.1 million for the three months ended September 30, 2024. The decrease was due to fluctuations in legacy hardware product sales. Â Operating Expenses Â The following table presents our operating expenses for the three months ended September 30, 2024 and 2023: Â Â Three Months Ended September 30, Â Â 2024 vs. 2023 Change Â (In thousands) Â 2024 Â Â 2023 Â Â Change Â Â % Change Â Operating expenses: Â Â Â

26 Â Research and Development Research and development expense decreased by $7.4 million, or 74% from $10.0 million for the three months ended September 30, 2023, to $2.6 million for the three months ended September 30, 2024. The decrease was driven primarily by reduced labor and labor related expenses due to the 2023 RIFs. Â General and Administrative General and administrative expense decreased by $3.6 million, or 48%, from $7.6 million for the three months ended September 30, 2023, to $4.0 million for the three months ended September 30, 2024. General and administrative expense decreased primarily due to reduced labor and labor related expenses, including stock-based compensation, due to the 2023 RIFs. Â Sales and Marketing Â Sales and marketing expense decreased by $0.4 million, or 24%, from $1.8 million for the three months ended September 30, 2023, to $1.3 million for the three months ended September 30, 2024. This decrease was driven by a decrease in professional service fees related to third-party platform expense utilized in data management of our products and services and decreased events and public relations expenses. Â Intangible Amortization Expense Â As a result of our product development reprioritization announced in November 2023, our intangible assets were fully amortized as of December 31, 2023. Â Asset Write-down and Restructuring Â Asset write-down and restructuring expenses were $11.2 million for the three months ended September 30, 2023, as a result of the prior year product development reprioritization and the 2023 RIFs. There were no significant asset write-down and restructuring costs for the three months ended September 30, 2024. Â Other Income Â The following table presents other income for the three months ended September 30, 2024 and 2023, respectively: Â Â Three Months Ended September 30, Â Â 2024 vs. 2023 Change Â (In thousands) Â 2024 Â Â 2023 Â Â Change Â Â % Change Â Other income Â Â Â Â Â Â Â Â Â Â Â Â Interest income, net Â $ 249 Â Â $ 806 Â Â $ (557) Â Â (69)% (Loss) gain on warrant liability Â Â (43) Â Â 96 Â Â Â (139) Â Â (145)% Other income, net Â Â â€” Â Â Â 871 Â Â Â (871) Â Â (100)% Total other income Â $ 206 Â Â $ 1,773 Â Â $ (1,567) Â Â (88)% Â Other income decreased by $1.6 million for the three months ended September 30, 2024 as compared to the prior year period, primarily as a result of decreased other income related to the employee retention credit refund received during the prior year period and decreased interest income from our investments in marketable securities due to the reduction in invested funds during the current year period. Â Provision for Income Taxes Â We had no significant income tax expense for the three months ended September 30, 2024 and 2023. The provision for income taxes for the three months ended September 30, 2024 and 2023 is based on the Companyâ€™s estimated annualized effective tax rate for the fiscal years ending December 31, 2024 and 2023, respectively. For the three months ended September 30, 2024 and 2023, the Companyâ€™s recognized effective tax rate differs from the U.S. federal statutory rate as the Company recorded net losses during the period with a corresponding full valuation allowance on the net deferred tax assets created from the losses. Â 27 Â Comparison of the Nine Months Ended September 30, 2024, and 2023 Â Revenue, Net Â The following table presents our revenue for the nine months ended September 30, 2024 and 2023, respectively: Â Â Nine Months Ended September 30, Â Â 2024 vs. 2023 Change Â (In thousands) Â 2024 Â Â 2023 Â Â Change Â Â % Change Â Product Development Contract Revenue Â $ 4,359 Â Â $ 4,614 Â Â $ (255) Â Â (6)% Product Revenue Â Â 2,666 Â Â Â 786 Â Â Â 1,880 Â Â Â 239 % Revenue, net Â $ 7,025 Â Â $ 5,400 Â Â $ 1,625 Â Â Â 30 % Â Revenue increased by $1.6 million, or 30%, from $5.4 million for the nine months ended September 30, 2023, to $7.0 million for the nine months ended September 30, 2024, as explained below. Product Development Contract Revenue Product development contract revenue decreased by $0.3 million, or 6%, from $4.6 million for the nine months ended September 30, 2023, to $4.4 million for the nine months ended September 30, 2024. The decrease was primarily due to the completion of certain product development contracts during 2023 that have not yet been replaced with new contracts. We expect future revenue from product development contracts to fluctuate due to the timing of additional development contracts signed and the completion of existing contracts. For the time being, we intend to take on only those development contracts that we believe support and contribute to our AI/ML Software Platform development efforts. As a result, there may be fewer opportunities to replace completed contracts. Product Revenue Revenue derived from product sales increased by $1.9 million, from the nine months ended September 30, 2023. The increase was primarily due to fluctuations in legacy hardware product sales. Â Operating Expenses Â The following table presents our operating expenses for the nine months ended September 30, 2024 and 2023: Â Â Nine Months Ended September 30, Â Â 2024 vs. 2023 Change Â (In thousands) Â 2024 Â Â 2023 Â Â Change Â Â % Change Â Operating expenses: Â Â Â Â Â Â Â Â Â Â Â Â Cost of revenue Â $ 2,934 Â Â $ 3,951 Â Â $ (1,017) Â Â (26)% Research and development Â Â 7,825 Â Â Â 31,120 Â Â Â (23,295) Â Â (75)% General and administrative Â Â 13,381 Â Â Â 25,544 Â Â Â (12,163) Â Â (48)% Sales and marketing Â Â 3,516 Â Â Â 9,901 Â Â Â (6,385) Â Â (64)% Intangible amortization expense Â Â â€” Â Â Â 2,457 Â Â Â (2,457) Â Â (100)% Asset write-down and restructuring Â Â (192) Â Â 16,328 Â Â Â (16,520) Â Â (101)% Total operating expenses Â $ 27,464 Â Â $ 89,301 Â Â $ (61,837) Â Â (69)% Â Cost of Revenue Cost of revenue decreased by $1.0 million, or 26%, from $4.0 million for the nine months ended September 30, 2023, to $2.9 million for the nine months ended September 30, 2024. Cost of revenue decreased mainly due to decreased labor and material expenses charged to product development contracts due to contract mix, partially offset by increased product costs associated with our product revenue during the nine months ended September 30, 2024. Research and Development Research and development expense decreased by $23.3 million, or 75% from $31.1 million for the nine months ended September 30, 2023, to $7.8 million for the nine months ended September 30, 2024. The decrease was driven primarily by reduced labor and labor related expenses due to the 2023 RIFs. Â 28 Â General and Administrative General and administrative expense decreased by $12.2 million, or 48%, from $25.5 million for the nine months ended September 30, 2023, to $13.4 million for the nine months ended September 30, 2024. General and administrative expense decreased primarily due to reduced labor and labor related expenses, including stock-based compensation, due to the 2023 RIFs. Â Sales and Marketing Â Sales and marketing expense decreased by $6.4 million, or 64%, from $9.9 million for the nine months ended September 30, 2023, to $3.5 million for the nine months ended September 30, 2024. This decrease was driven by a decrease in professional service fees related to third-party platform expense utilized in data management of our products and services, labor and labor related expenses due to the 2023 RIFs and decreased events and public relations expenses. Â Intangible Amortization Expense Â As a result of our product development reprioritization announced in November 2023, our intangible assets were fully amortized as of December 31, 2023. Â Asset Write-down and Restructuring Â Asset write-down and restructuring expenses were $16.3 million for the nine months ended September 30, 2023, as a result of the prior year product development reprioritization. There were no significant asset write-down and restructuring costs for the nine months ended September 30, 2024. Â Other Income Â The following table presents other income for the nine months ended September 30, 2024 and 2023, respectively: Â Â Nine Months Ended September 30, Â Â 2024 vs. 2023 Change Â (In thousands) Â 2024 Â Â 2023 Â Â Change Â Â % Change Â Other income Â Â Â Â Â Â Â Â Â Â Â Â Interest income, net Â $ 967 Â Â $ 2,779 Â Â $ (1,812) Â Â (65)% (Loss) gain on warrant liability Â Â (175) Â Â 99 Â Â Â (274) Â Â (277)% Other income, net Â Â 2 Â Â Â 1,909 Â Â Â (1,907) Â Â (100)% Total other income Â $ 794 Â Â $ 4,787 Â Â $ (3,993) Â Â (83)% Â Other income decreased by $4.0 million for the nine months ended September 30, 2024 as compared to the prior year period, primarily as a result of employee retention credit refunds received in the prior year period and decreased interest income from our investments in marketable securities due to the reduction in invested funds during the current year period. Â Provision for Income Taxes Â We had no significant income tax expense for the nine months ended September 30, 2024 and 2023. The provision for income taxes for the nine months ended September 30, 2024 and 2023 is based on the Companyâ€™s estimated annualized effective tax rate for the fiscal years ending December 31, 2024 and 2023, respectively. For the nine months ended September 30, 2024 and 2023, the Companyâ€™s recognized effective tax rate differs from the U.S. federal statutory rate as the Company recorded net losses during the period with a corresponding full valuation allowance on the net deferred tax assets created from the losses. Â Backlog and Total Estimated Contract Value Â Our backlog, as of September 30, 2024, was $3.7 million, $2.7 million of which was funded and $1.0 million of which was unfunded. Our backlog is equal to our remaining performance obligations under contracts or the expected value of exercised contracts, both funded and unfunded, less revenue recognized to date. Our total estimated contract value, which combines backlog with estimated potential contract value, including unexercised options from existing firm contracts, was $10.6 million as of September 30, 2024. Â Liquidity and Capital Resources Â Cash, cash equivalents and marketable securities were $21.3 million as of September 30, 2024, compared to $39.1 million as of December 31, 2023. We have incurred losses and negative cash flows from operations since inception and are likely to continue to incur losses and negative cash flows from operations in the near term. As of September 30, 2024, we had an accumulated deficit of 29 Â approximately $437.9 million and working capital of $19.8 million. On October 31, 2024, we announced that we raised approximately $7 million in gross proceeds from the sale of Common Stock and warrants through a registered offering and two separate private placements. We believe that our cash, cash equivalents and marketable securities on hand will be sufficient to support operations, working capital and capital expenditure requirements for at least the next 12 months from the date of this Report. Â We released the initial commercial version of our Palladyne IQ product on October 1, 2024, on schedule, and expect to release the initial commercial version of Palladyne Pilot at the end of the first quarter of 2025. The initial commercial version of our Palladyne IQ product continues to undergo reliability testing, debugging and other stabilizing improvements as we continue internal testing and learn from customer trials. Customer trials of Palladyne IQ are ongoing, and we do not yet have sufficient feedback from customers to be able to predict the duration of the sales cycle or the timing, amount and growth rate of revenues associated with the Palladyne IQ product. Our primary use of cash is for operations and administrative activities including employee-related expenses and general, operating and overhead expenses. While we do not have any debt, we do have a long-term lease for our facilities in Salt Lake City, Utah. Future capital requirements will depend on many factors, including the timing and extent of development efforts, the expansion and results of sales and marketing activities, the sales cycle for our products, customer acquisition and revenue growth rate, customer retention, the introduction of new and enhanced product offerings and market acceptance of our products. We have taken many steps to reduce our use of cash, including suspending our hardware product development efforts and focusing those efforts on our AI/ML Software Platform and products derived from our AI/ML Software Platform, two reductions in force announced in 2023 and the closure of our operations in Pittsburgh, Pennsylvania. We plan to use our existing capital to complete the development of the initial commercial version of our Palladyne Pilot product and conduct sales and marketing efforts for both Palladyne IQ and Palladyne Pilot, as well as continue product development efforts for the next versions of our products. However, we are developing contingency plans to further limit operations and reduce costs and/or seek additional financing should product revenues not materialize or not materialize in time or sufficient amount to support our operations. The amount and timing of our future funding requirements will depend on many factors, including the pace and results of our product development efforts, our ability to release and license our commercial products and thereby recognize associated revenue and capital requirements to conduct marketing and sales activities prior to receiving payments sufficient to cover our costs. Any delays in the successful commercialization of our software products will negatively impact our ability to generate revenue, profitability, overall operating performance, financial condition and ability to continue operations. If we are unable to raise additional capital when desired or needed, our business, results of operations and financial condition would be materially and adversely affected. Â We may enter into arrangements to acquire or invest in complementary businesses, services and technologies, which may require acquisition capital as well as operational capital for these acquisitions or arrangements. We may be required to seek additional equity or debt financing to facilitate these arrangements. In the event that additional financing is required from outside sources in connection with these arrangements, we may not be able to raise it on terms acceptable to us, or at all. Â We currently primarily use cash from equity financings to fund operations and capital expenditures and meet working capital requirements. If additional funds are required to support our working capital requirements, for acquisitions or for other purposes, we may seek to raise funds through additional debt or equity financings or from other sources. We have taken numerous steps to manage our use of cash, including conducting the 2023 RIFs, and other related actions. However, we may need to seek additional financing, and we intend to continue monitoring our liquidity, financial and business results and outlook and market conditions, and may be opportunistic and raise capital when market conditions are good or a favorable opportunity exists including in â€œat-the-marketâ€ equity offering programs. . Any delays in the successful commercialization and sales of our software products will negatively impact our ability to generate revenue, our profitability and our overall operating performance and result in the need to raise additional capital sooner than expected. If we raise additional funds through the issuance of equity or convertible debt securities, the percentage ownership of our equity holders could be significantly diluted and these newly issued securities may have rights, preferences or privileges senior to those of existing equity holders. If we raise additional funds by obtaining loans from third parties, the terms of those financing arrangements may include negative covenants or other restrictions on our business that could impair our operating flexibility and would also require us to incur additional interest expense. Additional financing may not be available at all or, if available, may not be available on terms favorable to us or that we find acceptable. For additional information around the risks associated with our capital needs see Part II Item 1A Risk Factors â€œOur business plans require a significant amount of capital. Our future capital needs may require us to sell additional equity or debt securities that may dilute our stockholders or introduce covenants that may restrict our operations or our ability to pay dividends. If we require additional capital and are not able to secure new funding, we may not be able to continue our business operations.â€ Â 30 Â Cash Flows Â The following table summarizes our cash flow data for the periods presented: Â Â Nine Months Ended September 30, Â Â 2024 vs. 2023 Change Â (In thousands) Â 2024 Â Â 2023 Â Â Change Â Â % Change Â Net cash provided by (used in): Â Â Â Â Â Â Â Â Â Â Â Â Net cash used in operating activities Â $ (17,531) Â $ (60,123) Â $ 42,592 Â Â Â (71)% Net cash provided by investing activities Â Â 15,783 Â Â Â 60,345 Â Â Â (44,562) Â Â (74)% Net cash used in financing activities Â Â (63) Â Â (71) Â Â 8 Â Â Â (11)% Net (decrease) increase in cash, cash equivalents Â $ (1,811) Â $ 151 Â Â $ (1,962) Â Â (1,299)% Â Net Cash Used in Operating Activities Â Cash flows used in operating activities during the nine months ended September 30, 2024 decreased by $42.6 million to $17.5 million from $60.1 million during the same period in 2023. The decrease to net cash used in operating activities was primarily attributable to a $59.5 million decrease to net loss, which was driven by the 2023 RIFs, partially offset by a net decrease of $20.5 million in non-cash expenses driven mainly by decreased asset write-downs, stock-based compensation and amortization of intangible assets. Additionally, net cash used in operating activities related to changes in operating assets and liabilities decreased by $3.6 million, driven mainly by increases in inventories during the nine months ended September 30, 2023. Â Net Cash Provided by Investing Activities Â Our net cash provided by investing activities during the nine months ended September 30, 2024 decreased by $44.6 million. The decrease in cash provided by investing activities is predominantly due to the $61.4 million of maturities of marketable securities, net of purchases during the nine months ended September 30, 2023, as compared to the $16.0 million of maturities of marketable securities and no purchases of marketable securities, during the nine months ended September 30, 2024. Â Net Cash Used In Financing Activities Â Our net cash used in financing activities during the nine months ended September 30, 2024, decreased 11% as compared to the nine months ended September 30, 2023. Â Emerging Growth Company Status Â Section 102(b)(1) of the Jumpstart our Business Startups Act of 2012 (the â€œJOBS Actâ€) exempts emerging growth companies from being required to comply with new or revised financial accounting standards until private companies are required to comply with the new or revised financial accounting standards. The JOBS Act provides that a company can choose not to take advantage of the extended transition period and comply with the requirements that apply to non-emerging growth companies, and any such election to not take advantage of the extended transition period is irrevocable. Â We are an â€œemerging growth companyâ€ as defined in Section 2(a) of the Securities Act, and have elected to take advantage of the benefits of the extended transition period for new or revised financial accounting standards. We will remain an emerging growth company until the earliest of (i) the last day of the fiscal year in which the market value of Common Stock that is held by non-affiliates exceeds $700 million as of the end of that yearâ€™s second fiscal quarter, (ii) the last day of the fiscal year in which we have total annual gross revenue of $1.235 billion or more during such fiscal year (as indexed for inflation), (iii) the date on which we have issued more than $1 billion in non-convertible debt in the prior three-year period or (iv) December 31, 2026, and we expect to continue to take advantage of the benefits of the extended transition period, although we may decide to early adopt such new or revised accounting standards to the extent permitted by such standards. This may make it difficult or impossible to compare our financial results with the financial results of another public company that is either not an emerging growth company or is an emerging growth company that has chosen not to take advantage of the extended transition period exemptions because of the potential differences in accounting standards used. Â 31 Â Critical Accounting Policies and Estimates Â Our discussion and analysis of our financial condition and results of operations are based upon our financial statements, which have been prepared in accordance with GAAP. The preparation of these financial statements requires us to make estimates and judgments that affect the reported amounts of assets and liabilities and related disclosure of contingent assets and liabilities, revenue and expenses at the date of the financial statements. Generally, we base our estimates on historical experience and on various other assumptions in accordance with GAAP that we believe to be reasonable under the circumstances. Actual results may differ from these estimates. Critical accounting policies and estimates are those that we consider the most important to the portrayal of our financial condition and results of operations because they require our most difficult, subjective or complex judgments, often as a result of the need to make estimates about the effect of matters that are inherently uncertain. There have been no material changes to our critical accounting policies or estimates as disclosed in our Annual Report on Form 10-K for the year ended December 31, 2023. Â Recent Accounting Pronouncements Â See Note 1, Basis of Presentation and Summary of Significant Accounting Policies, to our unaudited interim condensed

consolidated financial statements included elsewhere in this Report for recently adopted accounting pronouncements and recently issued accounting pronouncements not yet adopted as of the date of this Report. Item 3. Quantitative and Qualitative Disclosures About Market Risk. Â We are a smaller reporting company as defined by Rule 12b-2 of the Exchange Act and are not required to provide the information otherwise required under this item. Item 4. Controls and Procedures. Evaluation of Disclosure Controls and Procedures Â Disclosure controls are procedures that are designed with the objective of ensuring that information required to be disclosed in our reports filed under the Exchange Act, such as this Report, is recorded, processed, summarized and reported within the time period specified in the SEC rules and forms. Disclosure controls and procedures are also designed with the objective of ensuring that such information is accumulated and communicated to our management, including the principal executive officer and principal financial officer, as appropriate to allow timely decisions regarding required disclosure. Our management evaluated, with the participation of our chief executive officer and chief financial officer (our â€œCertifying Officersâ€), the effectiveness of our disclosure controls and procedures as of the end of the fiscal quarter ended September 30, 2024, pursuant to Rule 13a-15(b) under the Exchange Act. Based upon that evaluation, our Certifying Officers concluded that our disclosure controls and procedures were effective as of September 30, 2024. Â We do not expect that our disclosure controls and procedures will prevent all errors and all instances of fraud. Disclosure controls and procedures, no matter how well designed and operated, can provide only reasonable, not absolute, assurance that the objectives of the disclosure controls and procedures are met. Further, the design of disclosure controls and procedures must reflect the fact that there are resource constraints, and the benefits must be considered relative to their costs. Because of the inherent limitations in all disclosure controls and procedures, no evaluation of disclosure controls and procedures can provide absolute assurance that we have detected all our control deficiencies and instances of fraud, if any. The design of disclosure controls and procedures also is based partly on certain assumptions about the likelihood of future events, and there can be no assurance that any design will succeed in achieving its stated goals under all potential future conditions. Â Changes in Internal Control over Financial Reporting Â There was no change in our internal control over financial reporting that occurred during the fiscal quarter ended September 30, 2024 covered by this Report that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting. Â 32 Â Â PART IIâ€”OTHER INFORMATION Item 1. Legal Proceedings. From time to time, we may be subject to legal proceedings. We are not currently a party to or aware of any proceedings that we believe will have, individually or in the aggregate, a material adverse effect on our business, financial condition or results of operations. Regardless of outcome, litigation can have an adverse impact on us because of defense and settlement costs, diversion of management resources and other factors. Â Item 1A. Risk Factors. You should carefully consider the following risk factors, in addition to the other information contained in this Report, including â€œManagementâ€™s Discussion and Analysis of Financial Condition and Results of Operationsâ€ and our unaudited condensed consolidated financial statements and related notes. If any of the events described in the following risk factors and the risks described elsewhere in this Report occurs, our business, operating results and financial condition could be materially harmed. This Report also contains forward-looking statements that involve risks and uncertainties. Our actual results could differ materially from those anticipated in the forward-looking statements as a result of factors that are described below and elsewhere in this Report or other risks that we currently deem immaterial or that may be unknown to us. Risks Related to Our Business We are an early stage company with a history of losses and are likely to incur losses, which could be significant, for the foreseeable future. We have incurred losses and negative cash flows from operations since inception and are likely to continue to incur losses and negative cash flows from operations in the near term. We incurred a net loss of $19.6 million for the nine months ended September 30, 2024, and a net loss of $115.6 million for the year ended December 31, 2023. As of September 30, 2024, we had an accumulated deficit of $437.9 million and working capital of $19.8 million. We believe that we are likely to continue to incur operating and net losses, which could be significant, for the foreseeable future. Our shift in product development and commercialization strategy to focus on our AI/ML Software Platform and related products has affected the timing of expected revenue and has made forecasting our quarterly and annual results more challenging. Even if we are able to successfully develop our AI/ML Software Platform and related products and attract customers for commercial sales, we may not become profitable. Our potential profitability is dependent upon the successful development, commercial introduction and adoption on a large scale of our AI/ML Software Platform and related products and our ability to lower costs, none of which may occur. We may not be successful in achieving meaningful revenues from these products. Further, the timing, amount and growth rate of any such revenues are unknown. We are likely to continue to incur losses in future periods as we: â€¢continue to design, develop and commercialize our AI/ML Software Platform and related products; â€¢conduct our sales and marketing activities and develop our sales and customer service capabilities; â€¢develop and expand our AI/ML Software Platform's technology infrastructure and cybersecurity measures, policies and controls; and â€¢maintain our general and administrative functions and systems to support our operations and to operate as a publicly-traded company. Because we will incur costs and expenses from these and other efforts before we receive significant licensing revenue, we expect to incur losses in future periods, which could be significant. In addition, we may find that these efforts are more expensive than we currently anticipate or that these efforts may result in less than expected or no additional revenue, which would further increase our losses and affect our ability to continue operations. We may have to obtain additional capital from external sources, and additional financing may not be available when needed or, if available, may not be available on terms favorable to us or to our stockholders. See â€œOur business plans require a significant amount of capital. Our future capital needs may require us to sell additional equity or debt securities that may dilute our stockholders or introduce covenants that may restrict our operations or our ability to pay dividends. If we require additional capital and are not able to secure new funding, we may not be able to continue our business operations.â€ Â 33 Â Due to our limited resources and access to capital, and our failure to properly estimate the time and expense required to commercialize our prior hardware-centric industrial robotics solutions, we made the decision in late 2023 to focus on our AI/ML Software Platform and related products and to suspend the development and commercialization of our hardware products. These and future decisions about how to use our limited resources may prove to be wrong and may adversely affect our business. We have limited financial and human resources and, as a result, we have in the past and may in the future forgo or delay pursuit of opportunities with product candidates that might have had greater commercial potential or a greater likelihood of success. For example, on November 14, 2023, we announced a pivot in strategy to suspend our efforts to bring our hardware products to market and instead focus our resources and efforts on the development of our commercial AI/ML Software Platform and related products and a related significant reduction in force. After continued analysis of our business and careful consideration of our hardware productâ€™s development costs and market opportunity, and of our available resources, we concluded that focusing on our AI/ML Software Platform and related products met our goal of pursuing significant near-term revenue tied to acute customer needs and would reduce our capital requirements and related risks in line with available resources. However, this strategy may not prove to be effective. Moreover, we may not be able to monetize all of the assets unrelated to our current business strategy. The development of our software products is a complex and evolving process that involves the development of new and emerging technologies, continued investment, including in privacy, safety and security efforts, and potential collaborations with other companies, developers, partners and other participants. Market acceptance of our software products is uncertain and we may need to change product features to meet customer needs. We regularly evaluate our product roadmaps and make significant changes as our understanding of the technological challenges and market landscape and our product ideas and designs evolve. In addition, we have no experience with commercializing a software platform or software products, which may enable other companies to compete more effectively than us, and we may not be successful. We also may be unsuccessful in our research and product development efforts. As we develop and commercialize our AI/ML Software Platform and related products, we may become subject to a variety of existing or new laws and regulations in the United States and international jurisdictions, such as the European Union's Artificial Intelligence Act (the "AI Act"), including in the areas of privacy, security, safety, competition and consumer protection, which may delay or impede the development and commercialization of our AI/ML Software Platform and related products, increase our operating costs, require significant management time and attention or otherwise harm our business. As a result of these or other factors, our product strategy may not be successful in the foreseeable future, or at all, which would adversely affect our business, reputation, or financial results. Our operating and financial projections rely on management assumptions and analyses. If these assumptions or analyses prove to be incorrect, as they often have in the past, our actual operating results may be materially different from our expected or forecasted results. We are an early stage company, with no experience commercializing software products. Our projected financial and operating information reflect estimates of future performance and are based on multiple business, financial, technical and operational assumptions, including product strategy, timely hiring or retention of needed personnel, timing and success of commercial launch of our software products, the level of demand for our software products, the size of our target markets, the performance of our software platform and products, the utilization of the platform, product pricing and the nature and length of the sales cycle. However, given our limited commercial experience, many of these assumptions may prove to be incorrect. Projections and other statements about future expectations are forward-looking statements that are inherently subject to significant risks, uncertainties and contingencies, many of which are beyond our control (in addition to the information contained in these Risk Factors, see â€œSpecial Note Regarding Forward-Looking Statementsâ€ and â€œManagementâ€™s Discussion and Analysis of Financial Condition and Results of Operationsâ€). We have yet to achieve positive operating cash flow, and our ability to generate positive cash flow is uncertain. Â We had negative cash flow from operating activities of $76.6 million and $65.4 million for the years ended December 31, 2023 and 2022, respectively, and negative cash flow from operating activities of $17.5 million for the nine months ended September 30, 2024. We expect to continue to have negative cash flow from operating and investing activities for the foreseeable future as we expect to incur research and development, sales and marketing, and general and administrative expenses and make capital expenditures in our efforts to commercialize our software products, increase sales and engage in continuous development work. We may not achieve positive cash flow in the near future or at all. Our business also may at times require significant amounts of working capital to support the growth of additional products. An inability to generate positive cash flow for the near term may adversely affect our ability to raise capital for our business on reasonable terms, adversely affect our ability to pursue our business objectives, diminish customer willingness to enter into transactions with us and have other adverse effects, all of which would affect our ability to continue operations. See "We are an early stage company with a history of losses and are likely to incur losses, which could be significant, for the foreseeable future." We have no previous history or experience with commercializing software products and may not be able to do so efficiently, effectively or at all. We were unsuccessful in our efforts to commercialize the hardware technologies that we and our predecessor companies developed over the past several decades. 34 Â We have no previous history or experience commercializing AI/ML software products or platforms and may not be able to do so efficiently or effectively or at all. Further, we have historically been unsuccessful in our efforts to commercialize our hardware products. Moreover, commercialization may be delayed due to the challenges discussed under "Successful commercialization of our AI/ML Software Platform and related products may be delayed beyond our current expectations and therefore product availability to customers, customer acquisition and receipt of software licensing revenue could be delayed." A key element of our long-term business strategy involves sales, marketing, training and customer service operations, including hiring personnel with the necessary experience. Managing and maintaining these operations is expensive and time consuming, and an inability to leverage such an organization effectively or at all could inhibit potential sales and the penetration and adoption of our software products. In addition, certain decisions we make regarding priorities and staffing in these areas in our efforts to responsibly manage our financial resources could have unintended negative effects on our revenue, such as by weakening the sales and marketing infrastructures or lowering the quality of customer service. Successful commercialization of our AI/ML Software Platform and related products may be delayed beyond our current expectations and therefore product availability to customers, customer acquisition and receipt of software licensing revenue could be delayed. We are focused on the development and commercialization of our AI/ML Software Platform and related products. If product testing or customer use demonstrate that our software products do not deliver the performance, reliability, functionality and/or safety that we or our potential customers expect, commercial success may be delayed as we work to address the deficiencies. As a result of such delays, we may receive revenue later than expected or not at all if our potential customers decide to seek alternative solutions to our products, adversely affecting our results of operations and financial condition. Moreover, our current estimates for completion of our Palladyne Pilot development efforts and the achievement of software product sales to potential customers are dependent in part on our ability to hire and retain qualified employees. We have seen a significant increase in personnel costs in recent years due to shortages of qualified personnel in the labor market and general inflationary pressures. If we are unable to recruit and retain employees as needed to complete the development of and commercialize our software products, we may be unable to do so in a timely manner or at all. In addition, geopolitical events and macro-economic conditions, such as the current wars between Russia and Ukraine and in the middle east, inflation and high interest rates, and responses thereto have contributed to price increases. If we are unable to develop and commercialize our software products in a cost efficient manner, our financial results, financial condition and prospects would be materially and adversely affected. Although to date we have met our primary software development milestones as scheduled, over recent years we experienced, and we continue to experience, these challenges, which have at times negatively impacted our product development schedules and progress. We expect these challenges to continue and, if they do and if we are unable to effectively mitigate their impact, it is likely that we will be unable to meet our currently expected timelines. Our anticipated revenues are expected to be primarily derived from the licensing of our AI/ML Software Platform-related products for the foreseeable future. If we are successful in commercializing our AI/ML Software Platform and related products, our revenue will be concentrated in licensing those software products for the foreseeable future. We will need to continue to enhance our platform, develop new capabilities and establish and grow our customer base to diversify our revenue and customers. To the extent our AI/ML Software Platform and related products do not meet customer expectations, or cannot be completed or released on their projected timelines and in line with cost targets, our future revenue, operating results and financial condition will be adversely affected. Any issues in the development and use of our AI/ML Software Platform or related products, or issues in products developed by others, may result in reputational harm or liability. Any issues in the development or use of our AI/ML Software Platform or related products, or issues in products developed by others, may result in reputational harm or liability. As with many innovations, AI presents risks, challenges, and unintended consequences that could affect its adoption, and therefore our business. AI algorithms and training methodologies may be flawed, ineffective or inadequate. AI development or deployment practices by us or others could result in incidents that impair the acceptance of AI solutions or cause harm to individuals or society. These deficiencies and other failures of AI systems could subject us to competitive harm, regulatory action, legal liability, and brand or reputational harm. If we enable or offer AI solutions that are controversial because of their impact on human rights, privacy, employment, or other social, economic, or political issues, we may experience competitive, brand, or reputational harm or legal and/or regulatory action. Further, incorporating AI gives rise to litigation risk and risk of non-compliance and unknown costs of compliance, as AI is an emerging technology for which the legal and regulatory landscape is not fully developed. See 35 Â "Issues in the development and use of AI/ML, combined with an uncertain regulatory environment, may result in reputational harm, liability or other adverse consequences to our business operations." Â Our AI/ML Software Platform and related products are new technologies, and customer trials and discussions may not result in purchases. Our AI/ML Software Platform and related products are new technologies. At present, we have revenue generating contracts with U.S. government customers related to various aspects of our AI/ML Software Platform and related products, but no commercial customers. Our software products contain advanced software and control technologies that we have developed over many years. The design of our software products are significantly influenced by feedback from potential customers and reflects the needs they express. Even if we are able to successfully incorporate that feedback into our software platform and products, customers who initially expressed an interest in our software platform and products during the design or testing phase may not ever purchase the software. If we cannot commercialize our AI/ML Software Platform and related products on our expected schedule, if our products do not offer our potential customers the features, functionality and return on investment that they expect, if potential customers are unwilling or hesitant to adopt new technologies and products such as ours and/or if potential customers are not willing to pay for our software products at the rates that we currently expect, our ability to generate material revenues will be materially impaired. Although we began initial customer testing in June 2024, we continue to have limited knowledge of the customer testing that will be required for customers to ultimately license our software products. As a result, customer testing may take longer than we anticipate, and we may not be able to provide such testing to the satisfaction of prospective customers, which could result in longer sales cycles and fewer purchases than anticipated. We may not be able to adapt our products to reflect customer feedback successfully or at all. If customers who initially express an interest in our software products and influenced their designs ultimately do not license our products, or if they adopt a competitorsâ€™ technology, our business, prospects, financial condition and operating results would be adversely affected. In addition, to build and maintain our business, we must maintain confidence among customers and potential customers in our AI/ML Software Platform and related products, long-term financial viability and business prospects. Maintaining such confidence may be particularly complicated by certain factors including those that are largely outside of our control, such as our limited commercial

software experience, customer unfamiliarity with our software, any delays in development, product performance, competition and uncertainty regarding the future of AI and robotics. If we do not generate sufficient license revenue, our business, prospects, financial condition and operating results would be materially and adversely affected. Further, if investors, analysts, rating agencies and other third parties are not confident in our AI/ML Software Platform and related products, our ability to commercialize the platform and related products, our financial viability, or our business prospects, we may not be able to raise any needed funding which would materially and adversely affect our financial condition and prospects and ability to continue operations. Â If our target markets and the robotics industry do not continue to develop as we anticipate or if potential customers do not adopt our AI/ML Software Platform and related products and license our products, our sales will not grow as quickly as expected, or at all, and our business, operating results and financial condition would be harmed. The market for our AI/ML Software Platform and related products and applications similar to the ones we are developing is relatively new and evolving. We are developing our software products to respond to an increasingly global and complex business environment with rigorous regulatory standards. If organizations do not allocate their budgets as we expect or if we do not succeed in convincing potential customers to license our software products, our sales will not grow as quickly as anticipated, or at all. Economic uncertainty or future deterioration in general economic conditions might also cause our customers to cut or delay their spending, and such cuts might disproportionately affect businesses like ours to the extent customers view our software products as too costly or discretionary. Moreover, market acceptance of our AI/ML Software Platform and related products is critical to our continued success. Even if the market grows as expected, if potential customers do not adopt our software products, our business, operating results, financial condition and growth prospects will be materially and adversely affected. If we are not able to generate material revenues from our software products before we exhaust our financial resources, we may need to cease business operations. See â€œWe are an early stage company with a history of losses and are likely to incur losses, which could be significant, for the foreseeable future.â€ and â€œOur business plans require a significant amount of capital. Our future capital needs may require us to sell additional equity or debt securities that may dilute our stockholders or introduce covenants that may restrict our operations or our ability to pay dividends. If we require additional capital and are not able to secure new funding, we may not be able to continue our business operations.â€ Â If we are unable to successfully introduce and implement enhancements, new features or modifications to our AI/ML Software Platform and related products, our business would be harmed. Â If we are unable to successfully introduce and implement new applications, enhancements or features, or fail to develop new applications that achieve market acceptance or that keep pace with rapid technological developments, our business, operating results, financial condition and growth prospects would be adversely affected. The success of enhancements and new applications depend on several factors, including timely completion, introduction and market acceptance. 36 Â We must continue to meet changing expectations and requirements of our customers. Any failure of our platform to operate effectively with future software, such as third-party robotic operating systems and technologies or to evolve and scale to address the changing needs of our customers could reduce the demand for our products or result in customer dissatisfaction. Further, uncertainties about the timing and nature of new software or technologies, or modifications to our platform or products or existing software or technologies, could increase our research and development expenses. If we are not successful in developing modifications and enhancements to our platform or products or if we fail to introduce new applications to market in a timely fashion, our products might become less marketable, less competitive or obsolete, our revenue growth might be significantly impaired and our business, operating results and financial condition could be harmed. We may fail to attract or retain customers at sufficient rates or in sufficient numbers or at all. We have no previous history or experience commercializing software products and may not be able to do so efficiently or effectively or at all. To create and grow our customer base, we must license our software to new customers, which we may not be able to do in sufficient numbers or at all. Even if we are able to attract customers, these customers may not maintain a high level of commitment to our software products. In addition, we will incur marketing, sales and other expenses, including referral fees, to attract new customers, which will offset revenue from such customers. For these and other reasons, we could fail to achieve revenue growth, which would adversely affect our results of operations, prospects and financial condition. We expect our AI/ML Software Platform and related products to be used with robots operating in a wide variety of environments and for a broad range of complex uses. Our success depends on our ability, and the ability of our customers, to implement our products successfully in these environments. Customer retention will also be largely dependent on the quality and effectiveness of our customer service operations, which may be handled internally by our personnel and also by third-party service providers. We expect that we will need to often assist our customers in implementing our software products. If we or our customers are unable to implement our products successfully, or are unable to do so in a timely manner, inadequate performance might result and customer perceptions of our platform, products and company might be impaired, our reputation and brand might suffer, we may face legal claims, customers might choose not to renew or expand the use of our platform and we might lose opportunities for additional sales. We have no previous history with our licensing sales model. We have no experience with licensing software as a business model. The success of our strategy to build recurring revenue streams through software licenses depends on our ability to successfully market our software platform and products and the benefits of our product to customers and to successfully develop a network of ongoing customers that maintain or renew their licenses, pay for upgrades, license additional functionality, or expand the use of the software within their robotic systems. The likelihood of our success must be considered in light of these risks, and our license model may not prove successful. In addition, our competitors may offer different pricing models that may be more attractive to potential customers. We may be required to adjust our sales model in response to these changes, which could adversely affect our financial performance. Important assumptions about market demand, pricing, adoption rates and sales cycles for our software products may be inaccurate. Our decision to pivot our business strategy to focus on the development of our commercial AI/ML Software Platform was based in part on our estimates of the potential addressable market, pricing, adoption rates and sales cycles for our platform and related products. However, the market demand for our software platform and products is unproven, and important assumptions about the characteristics of targeted markets, pricing and sales cycles may be inaccurate. Given the evolving nature of the markets in which we operate, it is difficult to predict customer demand or adoption rates for our software products or the future growth of the markets we target. If one or more of the targeted markets experience a shift in customer demand, whether due to new solutions that better address customer needs or otherwise, our software products may not compete as effectively, if at all. If customer demand does not develop as expected, or if we do not accurately forecast pricing, adoption rates and sales cycles for our software products, our business, results of operations and financial condition will be adversely affected, perhaps materially. The benefits of our AI/ML Software Platform and related products to customers and projected return on investment have not been substantiated through customer use. Although we are conducting customer trials for certain of our software products, our AI/ML Software Platform and related products have not been commercially used by customers. Our software platform and related products may not perform consistent with customersâ€™ expectations or consistent with other products that may be or may become available. Any failure of our software platform and products to perform as expected could harm our reputation and result in adverse publicity, lost revenue, license cancellation, harm to our brand, 37 Â delays in availability, product liability claims and significant warranty and other expenses and could have a material adverse impact on our business, prospects, financial condition and operating results. Â We currently intend to target many customers that are large businesses with substantial negotiating power, exacting product standards and potentially competitive internal solutions. If we are unable to sell our software products to these customers, our prospects and results of operations will be adversely affected. We expect that many of our potential customers will be large businesses with substantial negotiating power relative to us and, in some instances, may have internal solutions that are competitive to our platform. These large businesses also have significant development resources, which may allow them to acquire or develop independently, or in partnership with others, competitive technologies. Meeting the technical requirements and securing binding commitments from any of these businesses will require a substantial investment of our time and resources. We may be unable to secure customers from these or other businesses or we may be unable to generate meaningful revenue from these key potential customers. If our software products are not selected by these large businesses or if these businesses develop or acquire competitive technology, it may have a material adverse effect on our business, prospects, financial condition and operating results. A portion of our revenue is currently and will continue to be generated by contracts with government entities, which make us subject to a number of uncertainties, challenges and risks. Contracts with government entities are subject to a number of risks. Such relationships can be highly competitive, expensive and time-consuming, often requiring significant upfront time and expense without any assurance that these efforts will generate revenue. In the event that we are successful in being awarded a government contract, such award may be subject to appeals, disputes or litigation, including bid protests by unsuccessful bidders. Government demand and payment for our solutions may be impacted by public sector budgetary cycles and funding authorizations, with funding reductions or delays adversely affecting public sector demand for our solutions. Government entities may have statutory, contractual or other legal rights to terminate our contracts for convenience or default. Also, see â€œWe are subject to laws, regulations and contractual provisions as a government contractor or subcontractor, which may pose increased risk of potential liability and expenses related thereto, which could have a material adverse effect on our business, operating results and financial condition.â€ We operate in a competitive industry that is subject to rapid technological change, and we expect competition to increase. Our products may not be competitive with other alternatives. The AI/ML and robotics industries are subject to rapid technological change, and we expect competition to increase in the future. Our research and development efforts may be unable to keep up with changes in technology or its alternatives and, as a result, our competitiveness may suffer. Developments in alternative technologies or solutions may materially and adversely affect our competitiveness in ways we do not currently anticipate. While we plan to upgrade and adapt our software platform and products as we or others develop new technology, any failure by us to develop new or enhanced technologies or processes, or successfully react to changes or advances in existing technologies, could delay our development and introduction of new and enhanced products, which could result in the loss of competitiveness, decreased revenue and a loss of market share to competitors. We believe our AI/ML Software Platform and related products will compete (both directly and indirectly) with companies such as Covariant, Dexterity, Formic, GrayMatter Robotics, Intrinsic, Liquid AI, Mujin and Rapid Robotics. We believe that our competitors are seeking to solve the same or similar industry challenges as we are, but that most are focused on a particular aspect of the functionality of our AI Software Platform rather than a fully competitive solution. While we view industrial robotics and cobot manufacturers such as ABB, Fanuc, Kawasaki, Kuka and Universal Robots, large system integrators such as Honeywell, Reply, and Rockwell Automation, and technology companies such as NVIDIA as potential target customers and/or channel and ecosystem partners for our software platform and products, we also recognize that these companies may emerge as formidable competitors through their own internal development efforts or future technology partnerships with and acquisitions of our competitors. They may bring their robust customer relationships, channels and significant financial resources to help accelerate the market viability of one of our direct or indirect competitors. Many of our competitors and potential competitors have products that are commercially available and/or in development. We expect some products currently in development to become commercially available in the next few years. Further, our products may not be competitive with other alternatives. Our competitor base may change or expand as we continue to develop and commercialize software products in the future. Competitors may develop products that utilize advanced technology similar to ours (such as computer vision, AI and ML) in a more effective way, or new technologies or products that provide superior results to customers or are less expensive than our software products. Our technologies and products could be rendered obsolete by such developments. 38 Â Our competitors may respond more quickly to new or emerging technologies, undertake more extensive marketing campaigns, have greater financial, marketing, manufacturing and other resources than we do, or may be more successful in attracting potential customers, employees and strategic partners. In addition, potential customers could have long-standing or contractual relationships with competitors. Potential customers may be reluctant to adopt our software products, particularly if they compete with or have the potential to compete with, or diminish the need/utilization of software products or technologies provided by any of our competitors with whom they may have an existing relationship. If we are not able to compete effectively, our business, prospects, financial condition and operating results will be adversely affected. In addition, because we operate in new and evolving markets, the actions of our competitors could adversely affect our business. Adverse events such as product defects or legal claims with respect to competing or similar products could cause reputational harm to the AI/ML software or robotics markets as a whole and, accordingly, our business. Â We may not be able to complete or enhance our product offerings through our research and development efforts. Even after introduction of a commercial version of a product, we will also likely need to continue to advance and evolve the product in response to the evolving demands of our customers in the various industries we expect to serve. Our Palladyne IQ product is in the early stages of commercialization and our Palladyne Pilot product remains under development. We will incur significant additional product development efforts and expenses, and we may not be successful in commercializing or marketing our products at all or within our currently expected timelines or available resources. We released the initial commercial version of our Palladyne IQ product on October 1, 2024 on schedule, and expect to release the initial commercial version of Palladyne Pilot at the end of the first quarter of 2025. We also make iterative improvements throughout the development process and after commercial release. If we fail to adequately communicate to customers product improvements, or if customer feedback is not adequately reflected in our product improvements, customers may not be persuaded of the value of our software platform and products. If we fail to generate demand by developing products that incorporate features desired by customers, we may fail to generate revenue sufficient to achieve or maintain profitability. We have in the past experienced and may in the future experience delays in various phases of product development, including during research and development, release testing and marketing and customer education efforts. Further, delays in product development would postpone demonstrations and customer testing, which are important opportunities for customer engagement, and cause us to miss expected timelines. Such delays could cause customers to delay or forgo purchases of our products, or to purchase competitorsâ€™ products. Even if we are able to successfully develop our products when and as anticipated, we may not produce sales in excess of the costs of development, and our software platform and products may be quickly rendered obsolete by changing customer preferences or the introduction by competitors of products embodying new technologies or features. If we are unable to successfully manage our product development and communications with customers, customers may choose to not adopt or purchase our products, which would adversely affect our business, prospects, financial condition and operating results. Risks Related to Our Operations & Growth Â Real or perceived design flaws, errors, defects, glitches, bugs or malfunctions (collectively, "Defects") in our AI/ML Software Platform and related products, failure of our AI/ML Software Platform-related products to perform as expected, connectivity issues or user errors can result in lower than expected return on investment for customers, personal injury or property damage and significant security or safety concerns, each of which could materially and adversely affect our results of operations, financial condition or reputation. The design, development and marketing of our AI/ML Software Platform and related products involve certain inherent risks. Real or perceived Defects, connectivity issues, unanticipated or unintended use of our software platform and products, user errors or inadequate disclosure of risks relating to the use of our products, among others, can lead to injury, property damage or other adverse events. We have conducted, are conducting and plan to continue to conduct extensive testing of our software platform and products, in some instances in collaboration with our customers, to ensure that any such issues can be identified and addressed. However, we may not be able to identify all such issues or, if identified, efforts to address them may not be effective in all cases, and our product testing may not be adequate. We plan to conduct investigations, where applicable, to identify the cause or causes of incidents and, when appropriate, implement changes to testing protocols or to the products to prevent such incidents from reoccurring. However, any implemented improvements may not fully prevent similar or other incidents in the future. Moreover, because of the size and weight of the third-party systems that may in the future use our AI/ML Software Platform and related products, and the nature and variability of the environments in which we expect this software to be used, adverse events relating to the use of our products could include significant injuries or even death. To the extent that Defects or connectivity issues are discovered during or after product development, we may experience delays in the development and/or sale of our products while the issues are resolved. If the issues cannot be adequately resolved, product sales may not occur and/or resume. 39 Â In addition, we may not be aware of design Defects until injury to person or property has occurred. Such adverse events could lead to safety alerts relating to our software platform and products (either voluntary or required by governmental authorities), and could result, in certain cases, in the removal of our products from the market. Defects could also result in negative publicity, damage to our reputation or, in the event of regulatory developments, delays in new product approvals. Complex software may frequently experience errors, especially when first introduced. Our products are complex and may experience errors or performance problems in the future. A failure of any part of our AI/ML Software Platform or related products could result in property damage, serious injury or even death. We plan to implement bug fixes and upgrades as part of our regular software maintenance, which may lead to downtime. Even if we are able to implement bug fixes and upgrades in a timely manner, customers and operators also may fail to install updates and fixes to the software for several reasons, including poor connectivity or inattention. Any such occurrence could cause delay in market acceptance of our software products, damage to our reputation, increased service and warranty costs, product liability claims and loss of revenue. We anticipate that in the ordinary course of business we may be subject to product

liability claims alleging defects in the design of our software platform and products. A product liability claim, regardless of its merit or eventual outcome, could result in significant legal defense costs and high punitive damage payments, damage our reputation or require significant costs to redesign or fix our software platform or products. Although we maintain product liability insurance, the coverage is subject to deductibles and limitations, and may not be adequate to cover future claims. Even if our AI/ML Software Platform performs properly and our products are used as intended, if personal injuries occur while operating third-party products that use our AI/ML software, we could be exposed to liability and our results of operations, financial condition and reputation may be adversely affected. Third-party systems that may in the future use our AI/ML Software Platform contain complex technology and must be used as designed and intended in order to operate safely and effectively. Even if our software platform and products are used as designed and intended, customers may not operate complex third-party systems that use our platform safely and effectively. In addition, we cannot predict all the ways in which the use or misuse of our platform and products can lead to injury or damage to property, and our training resources and safety systems may not be successful at preventing all incidents. If personal injury or damage to property were to occur while operating our platform and products in a manner consistent with our training and instructions or otherwise, we could be exposed to liability and our results of operations, financial condition and reputation may be adversely affected. Â We use â€œopen sourceâ€ software, which could negatively affect our ability to offer our AI/ML Software Platform and related products and subject us to possible litigation. Our AI/ML Software Platform incorporates â€œopen sourceâ€ software provided by third parties. Open source software is generally freely accessible, usable and modifiable, and is made available to the general public on an â€œas-isâ€ basis under the terms of a non-negotiable license. Use and distribution of open source software may entail greater risks than use of third-party commercial software or internally developed software. Open source licensors generally do not provide warranties or other contractual protections regarding infringement claims or other claims relating to violation of intellectual property rights or the quality of the software. In addition, certain open source licenses, like the GNU Affero General Public License, may require us to offer for no cost the components of our platform that incorporate the open source software, to make available source code for modifications or derivative works we create by incorporating or using the open source software or to license our modifications or derivative works under the terms of the particular open source license. If we are required under the terms of an open source license to release our proprietary source code to the public, competitors could create similar products with lower development effort and time, which ultimately could result in a loss of sales for us. We may also face claims alleging noncompliance with open source license terms or infringement, misappropriation or other violation of open source technology. These claims could result in litigation or require us to purchase a costly license, devote additional research and development resources to re-engineer our platform, discontinue the sale of our software products if re-engineering could not be accomplished on a timely or cost-effective basis, or make generally available our proprietary code in source code form, any of which would have a negative effect on our business and operating results, including being enjoined from the offering of the components of our platform that contained the open source software. We could also be subject to lawsuits by parties claiming ownership of what we believe to be open source software. Litigation could be costly for us to defend, have a negative effect on our operating results and financial condition and require us to devote additional research and development resources to re-engineer our platform. Although we monitor use of open source software and try to ensure that none is used in a manner that would subject our platform to unintended conditions, few courts have interpreted open source licenses, and there is a risk that these licenses could be construed in a way that could impose unanticipated conditions or restrictions on our ability to commercialize our AI/ML Software Platform and related products. We cannot guarantee that we will incorporate open source software in our platform in a manner that will not subject us to liability, or in a manner that is consistent with our current policies and procedures. 40 Â Our business and prospects depend significantly on our ability to build our brand. We may not succeed in establishing, maintaining and strengthening an effective brand, and our brand and reputation could be harmed by negative publicity regarding us or our AI/ML Software Platform and related products. Our business and prospects are dependent on our ability to develop, maintain and strengthen our brand. If we do not continue to establish, maintain and strengthen our brand, we may lose the opportunity to build a critical mass of customers. We believe that our inability to successfully commercialize our hardware products, and our resulting financial performance, damaged our prior brand. As a result and to reflect our focus on our AI/ML Software Platform, in March 2024 we changed our name to Palladyne AI Corp. and have branded our AI/ML software products accordingly. Promoting and positioning our brand will likely depend significantly on our ability to provide high quality software and engage with our customers as intended. To promote our brand, we may be required to change or expand our customer development and branding practices, including increased marketing activities, which could result in substantially increased expenses. If we do not develop and maintain a strong brand, our business, prospects, financial condition and operating results will be materially and adversely impacted. In addition, if safety incidents occur or are perceived to have occurred, whether or not such incidents are our fault, we could be subject to adverse publicity or resistance by our customers. In particular, given the popularity of social media, any negative publicity, whether true or not, could quickly proliferate and harm perceptions and confidence in our brands. Furthermore, there is the risk of potential adverse publicity related to our partners whether or not such publicity is related to their collaboration with us. Our ability to successfully position our brand could also be adversely affected by perceptions about the quality of our competitorsâ€™ products. Our management team has broad discretion in making strategic decisions to execute our growth plans, and our managementâ€™s decisions have not always led to the desired result. Current and future decisions may not be successful in achieving our business objectives or may have unintended consequences that negatively impact our growth prospects. Our management has broad discretion in making strategic decisions to execute our growth plans and may devote time and company resources to new or expanded product offerings, potential acquisitions or strategic alliances, prospective customers or other initiatives that do not necessarily improve our operating results or contribute to our growth. For example, in November 2023, we pivoted our business to focus on the development of our commercial AI/ML Software Platform and related products in lieu of hardware products. We concluded this strategy met our goal of pursuing significant near-term revenue tied to acute customer needs and would reduce our capital requirements and related risks in line with available resources. However, this strategy may not prove to be effective. Any failure by management to make strategic decisions that are ultimately accretive to our growth may result in unfavorable returns and uncertainty about our prospects, each of which could cause the price of our Common Stock to decline and have a material adverse effect on our business, prospects, financial condition and results and ability to continue operations. If we fail to effectively manage our business, we may not be able to design, develop, market and commercialize our software products successfully. Â Any failure to manage our business effectively could materially and adversely affect our prospects, financial condition and operating results. As we work to grow our business, we may need to manage the following activities, among others: â€¢maintaining effective management, engineering and other teams; â€¢retaining and recruiting individuals with the appropriate relevant experience; â€¢hiring and training new personnel; â€¢commercializing our AI/ML Software Platform and related products; â€¢forecasting revenue and implementing enterprise resource planning (ERP) systems; â€¢entering into relationships with one or more third-party service providers or partners, including in relation to the development and commercialization of our AI/ML Software Platform and related products; â€¢potentially carrying out acquisitions and entering into collaborations, in-licensing arrangements, joint ventures, strategic alliances or partnerships; â€¢expanding and enhancing internal information technology, safety and security systems; â€¢establishing or expanding sales and customer service organizations; â€¢conducting demonstrations and customer trials of our software products; and â€¢implementing and enhancing administrative infrastructure, systems, controls and processes. 41 Â Â We conducted two RIFs during 2023, the July 2023 RIF, affecting approximately 24% of our workforce at the time, and the November 2023 RIF, affecting approximately 70% of our workforce at the time, as we evaluated our business, organization, prospects and resources and ultimately decided to focus on our AI/ML Software Platform. However, these RIFs, in particular the November 2023 RIF, has placed and will continue to place additional strain on our existing resources, and we could experience systemic operating difficulties in managing our business and implementing controls and other business processes, resource constraints in our product development and commercialization efforts, or other limitations or difficulties that are difficult to predict at this time. Â We may be unable to adequately control the costs associated with our operations in order to achieve profitability. We will require significant capital to develop and grow our business, including successfully developing and commercializing our AI/ML Software Platform and related products, establishing or expanding our design, research and development, sales and maintenance and service capabilities and building our brands. We have incurred and expect to continue incurring significant expenses which will impact our profitability, including research and development expenses, sales and marketing expenses as we build our brand and market our software platform and products and general and administrative expenses. Although the RIFs and other cost-saving measures have significantly reduced expenses, it may be difficult to reduce expenses further or maintain current levels while pursuing our business objectives. Some of the factors that may lead to cost increases or difficulty further reducing cost are outside of our control, such as national or global geopolitical and economic conditions, including inflation and interest rates. In addition, we may incur significant costs upgrading or fixing Defects in our software platform and products. Our ability to continue our operations in the long term and potentially become profitable in the future will not only depend on our ability to commercialize our software platform and products to meet customer needs and identify and investigate new areas of demand, but also on our ability to license our products at prices needed to achieve sufficient revenues and margins to cover our cash outlay, including the risks and costs associated with any warranty obligations. If we are unable to efficiently design, develop, market, deploy, distribute and service our software products in a cost-effective manner, our operating results, financial condition and prospects would be materially and adversely affected and we may not achieve profitability. We expect to incur substantial research and development costs and devote significant resources to developing and commercializing our AI/ML Software Platform and related products, and we may never reach profitability and/or achieve significant or any product revenues. Our future growth depends on penetrating new markets, adapting our AI/ML Software Platform and products to new applications and customer requirements and introducing new features and functionality that achieve market acceptance. We expect to incur substantial, and potentially increasing, research, development, sales and marketing costs as part of our efforts to design, develop, enhance, and commercialize our AI/ML Software Platform and related products. Our research and development program may not produce successful results or, be sufficient to adapt to new or changing technologies (such as AI), and our products may not achieve market acceptance, create meaningful or any revenue or become profitable. Our Palladyne IQ product requires certain limited hardware components, and we are dependent on our suppliers, some of which are currently single, sole or limited source suppliers. Any inability of these suppliers to deliver necessary components of our products at prices, volumes, performance, timing and specifications acceptable to us could have a material adverse effect on our business, prospects, financial condition and operating results. We maintain a limited set of suppliers for the minimal hardware components that are required for use of our Palladyne IQ product. We expect most of our suppliers to be based in the United States. In some cases, we have sole source (where the component is only available from a single vendor, often as a result of customization for our use) or single source (where we purchase from a single vendor but there are alternative sources of the component) suppliers. We seek to minimize our dependence on sole or single source suppliers in order to reduce risk in our supply chain, including the risk of losing a sole or single source supplier due to bankruptcy, discontinuing production of the particular component or some other reason. However, some of the components used in our products may have to be purchased by us from a single source and some may only be available from a sole source. If our third-party suppliers are unable to supply key components and materials in the required volumes, at the needed times or at acceptable prices, our sales, revenue and profitability will likely be adversely affected and we may not be able to meet our obligations to customers. Our third-party suppliers may also not be able to meet the specifications and performance characteristics required by us, which would impact our ability to achieve our product specifications and performance characteristics as well. Additionally, our third-party suppliers may be unable to obtain required certifications or provide warranties for their products that are necessary for our products. If we are unable to obtain components and materials used in our products from our suppliers, our business would be adversely affected. Â We have less negotiating leverage with suppliers than larger and more established companies and may not be able to obtain favorable pricing and other terms. For example, agreements with suppliers may include terms that are unfavorable to us, such as requirements that we order components and manufacture systems and solutions in excess of our demand due to minimum order quantity requirements or minimum price thresholds. While we believe that we may be able to establish alternate supply relationships and can obtain or engineer replacement components for our single source components, we may be unable to do so in time to support our production needs, or at 42 Â all, or at prices or quality levels that are favorable to us. Further, we may not be able to develop satisfactory alternatives to sole-sourced components. Any inability to find satisfactory alternatives to our single- and sole-sourced component suppliers, whether due to bankruptcy of the supplier, a decision to discontinue manufacturing the component or for any other reason, could affect our costs and component availability and have a material adverse effect on our business, prospects, financial condition and operating results. Â Furthermore, fluctuations or shortages in raw materials or components and other economic conditions may cause us to experience significant increases in freight charges and material costs. Substantial increases in the prices for our materials would increase our operating costs and could reduce our margins if the increased costs cannot be recouped through increased sales prices. Â We face risks related to wars, natural disasters, health epidemics and other calamities, and supply chain disruption, any of which could significantly disrupt our operations. Our facilities or operations, or any potential third-party suppliers, partners, or service providers could be adversely affected by events outside of our or their control, such as natural disasters, wars, health epidemics, and other calamities and force majeure events. Our backup system does not capture data on a real-time basis and we may be unable to recover certain data in the event of a server failure. Our backup system may not be adequate to protect us from the effects of fire, floods, typhoons, earthquakes, power loss, telecommunications failures, break-ins, war, riots, terrorist attacks, cybersecurity incidents or similar events. Any of the foregoing events may give rise to interruptions, breakdowns, system failures, technology platform failures or internet failures, which could cause the loss or corruption of data or the malfunction of software or hardware, which could significantly disrupt our operations. Additionally, depending upon any potential health pandemics, epidemics or outbreaks that may emerge, our potential customers and partners may suspend or delay their engagement with us or take other actions or experience their own negative impacts, any of which could result in a material adverse effect on our financial condition and ability to meet current timelines. The COVID-19 pandemic adversely affected our ability to recruit skilled employees to join our team, conduct research and development activities and engage with development customers, and it or other similar events could do so again and may impede our product development timelines. Events impacting our supply chain could be caused by factors beyond the control of our suppliers or us, including labor actions, increased demand, problems in production or distribution and/or disruptions in third-party logistics, information technology or transportation systems. Some of our key suppliers are relatively small companies that could be especially susceptible to these risks. In addition, global events in recent years have resulted in widespread global supply chain disruptions to vendors including critical supply chain shortages, labor shortages, significant material cost inflation and extended lead times for items that are required for our operations. Any such interruptions to our supply chain could increase our costs and could limit the availability of products critical to our operations. Risks Related to Our Finances Our business plans require a significant amount of capital. Our future capital needs may require us to sell additional equity or debt securities that may dilute our stockholders or introduce covenants that may restrict our operations or our ability to pay dividends. If we require additional capital and are not able to secure new funding, we may not be able to continue our business operations. Although we believe we have sufficient capital to fund our business for at least the next 12 months, we may seek additional financing during that time to bolster our cash reserves and ensure our ability to continue to pursue our business objectives. Our current business plans may require us to secure additional financing prior to achieving positive operating cash flows, and we do not anticipate achieving positive operating cash flows in the near term. As a result, we intend to continue monitoring our liquidity, financial and business results and outlook and market conditions, and may be opportunistic and raise capital when we consider market conditions are good or a favorable opportunity exists to bolster our cash reserves, reduce our financial risk, help finance research and development costs and pursue business objectives. Any delays in the successful commercialization and sales of our software products will negatively impact our ability to generate revenue, our profitability and our overall operating performance and result in the need to raise additional capital sooner than expected. Even if we generate positive operating cash flows, we may need to raise significant amounts of additional capital to fund our business thereafter, including to finance ongoing research and development costs, any significant unplanned or accelerated expenses and new strategic alliances or acquisitions. The fact that we have limited experience commercializing our software products, coupled with our belief that our AI/ML Software Platform represents a significant technology advancement, means we have limited to no historical data on the demand for our software platform and products. In addition, we expect our expenses to continue to be significant in the foreseeable future as we continue development activities and bring our products to market, and that our level of cash usage will be significantly affected by customer demand for our platform. As a result, our future capital requirements are uncertain and actual capital requirements may be different from those we currently anticipate. We may need to seek equity or debt financing to finance our expenses and capital expenditures, and such financing might not be available to us in a timely manner or on terms that are acceptable, or at all. Even if available, the sale of additional equity or equity-linked securities could dilute our

stockholders, and the incurrence of indebtedness would result in debt service obligations and could result in operating and financing covenants that would restrict our operations. 43 Â Additional financing may not be available to us when we need it or it may not be available on favorable terms. Our ability to obtain any necessary financing to carry out our business plan is subject to a number of factors, including general market conditions and investor acceptance of our business model. Current capital market conditions, including the impact of inflation, have increased borrowing rates and can be expected to significantly increase our cost of capital as compared to prior periods should we seek additional funding. Moreover, global capital markets have undergone periods of significant volatility and uncertainty in the past, and there can be no assurance that such financing alternatives will be available to us on favorable terms or at all, should we determine it necessary or advisable to seek additional capital. If we raise additional capital through public or private equity offerings, the ownership interest of our existing stockholders will be diluted, and the terms of these securities may include liquidation or other preferences that adversely affect our stockholdersâ€™ rights. If we raise additional capital through debt financing, we may be subject to covenants limiting or restricting our ability to take specific actions, such as incurring additional debt, buying or selling assets, making capital expenditures or declaring dividends. Â These factors may make the timing, amount, terms and conditions of such financing unattractive or unavailable to us. If we are unable to raise sufficient funds if and when needed, we will have to significantly reduce our spending, delay or cancel our planned activities or substantially change our corporate structure or potentially cease operations and liquidate. We might not be able to obtain any funding, and might not have sufficient resources to conduct our business as projected or at all, either of which could mean that we would be forced to curtail or discontinue our operations. If we cannot raise additional funds when we need or want them, our operations, prospects and financial condition would be materially and adversely affected. Our recent initiatives to improve our cost structure, including significant workforce reductions, may not result in all anticipated savings, could result in total costs and expenses that are greater than expected and could disrupt our business. We conducted two RIFs in 2023, one in July 2023, affecting approximately 24% of our workforce at the time, and another in November 2023, affecting approximately 70% of our workforce at the time. These and other efforts resulted in significant annualized cost savings. However, we may incur additional expenses not currently contemplated due to events associated with the RIFs or otherwise. The annualized cost savings are estimates and subject to a number of assumptions, and actual results may differ materially. We may not realize, in full or in part, the anticipated benefits and savings from the RIFs due to unforeseen difficulties, delays or unexpected costs, the cost savings we have achieved may not be sufficient and some cost savings may not be long-term, especially if our business grows. If we are unable to realize or sustain the expected operational efficiencies and cost savings from the RIFs and our other cost saving measures, our operating results and financial condition would be adversely affected. In addition, we may need to undertake additional workforce reductions, restructuring activities or other measures to reduce costs in the future. Furthermore, our initiatives to improve our cost structure, including the RIFs, may be disruptive to our operations. For example, our workforce reductions have resulted in and may continue to result in some attrition beyond planned staff reductions, and may lead to the loss of institutional knowledge and expertise, increased difficulties in our day-to-day operations, pressure on our controls and processes and reduced employee morale. We may need to seek contractor support due to unwanted attrition at unplanned additional expense or harm our productivity. In addition, we may be unsuccessful in distributing the duties and obligations of departed employees that are necessary to our operations among our remaining employees or to contractors, which could result in disruptions to our operations. Our workforce reductions could also harm our ability to attract and retain qualified personnel who are critical to our business, and make it difficult for us to pursue new opportunities and initiatives and require us to hire qualified replacement personnel. Any failure to attract or retain qualified personnel could prevent us from successfully developing or selling our software platform and products, which would adversely affect our business, financial condition, and results of operations. Our financial results may vary significantly from period to period due to fluctuations in our operating costs, revenues (including from development contracts), product demand and other factors. We expect our period-to-period financial results to vary based on our operating costs and product demand, which we anticipate will fluctuate as the pace at which we continue to design, develop and release software products. Additionally, as we commercialize our AI/ML Software Platform and related products and/or enter into or complete government or development contracts, we expect our revenue from period to period to fluctuate, including as we introduce new products, features or functionality or introduce our AI/ML Software Platform and related products to new markets for the first time. As a result of these factors, we believe that quarter-to-quarter comparisons of our operating results, especially in the near term, are not necessarily meaningful and that these comparisons cannot be relied upon as indicators of future performance. Moreover, our operating results may not meet expectations of equity research analysts, ratings agencies or investors, who may be particularly focused on quarterly financial results. If any of this occurs, the trading price of our securities could fall substantially, either suddenly or over time, and/or experience significant volatility. Â 44 Â We are highly dependent on the services of our senior management and other key employees and, if we are unable to attract, integrate and retain a sufficient number of qualified employees, our ability to develop and commercialize our AI/ML Software Platform and related products, operate our business and compete could be harmed. Our success depends, in part, on our ability to retain our key personnel. The unexpected loss of or failure to retain one or more of our senior managers or other key employees could delay product development and require outsourcing to third parties, each of which in turn could adversely affect our business. For example, we are highly dependent on the services of our AI/ML Software Platform leadership team, in particular our Chief Technology Officer, Dr. Denis Garagic. Dr. Garagic has a significant influence on our AI/ML Software Platform development efforts and our business plan. If he were to discontinue service due to death, disability or any other reason, we may be significantly disadvantaged and his departure or the departure of other key contributors to our software and technology development efforts could result in delays in product development, or potentially an inability to successfully complete development of our AI/ML Software Platform and related products at all, which would materially and adversely harm our business, results of operations and financial condition. Further, we may have difficulty finding, or be unable to find, qualified successors to any such persons should they depart the Company. If we are unable to successfully continue development and commercialization of our AI/ML Software Platform and related products in a timely manner, whether due to the departure of any such persons or otherwise, we may not have sufficient time or resources to pursue alternative plans or opportunities and may need to cease operations. We do not maintain key-person insurance for any of our senior management. Â We have experienced and may continue to experience changes in our senior management team. For example, Benjamin G. Wolff rejoined the Companyâ€™s executive team as President and Chief Executive Officer in February 2024. In connection with this change in management, there have been changes to the Companyâ€™s operations and there may be additional changes in the future. If we do not successfully implement and adapt to these changes they may not lead to the desired improvement in our business and results of operation. This in turn, could have a material adverse effect on our business. Any inability to successfully manage these changes could be viewed negatively by our customers, employees, investors and other third-party partners, and could have an adverse impact on our business and results of operations. Â Our success also depends, in part, on our ability to identify, hire, attract, train and develop other highly qualified personnel as needed, specifically AI/ML software engineers. Because of the innovative and advanced nature of our technology, individuals with the necessary experience have not been, and likely will continue not to be, readily available to hire, and as a result, we may need to expend significant time and expense to recruit and retain experienced employees and appropriately train any newly hired employees. Integrating new employees can also cause disruptions to processes, projects, culture, priorities and the Company as a whole. We face intense competition for experienced and highly skilled employees, specifically AI/ML software engineers, from numerous other companies, including other software and technology companies, many of whom have greater financial and other resources than we do, and our ability to hire, attract and retain them depends on our ability to provide competitive compensation. We may not be able to attract, assimilate, develop or retain qualified personnel in the future, and our failure to do so could adversely affect our business, including the execution of our strategy. Our recent RIFs and concerns about our financial condition may also cause us to experience increased difficulty attracting and retaining highly qualified personnel. We may incur significant costs to attract and retain qualified personnel, including significant expenditures related to salaries and benefits and compensation expenses related to equity awards, and we may lose new employees to competitors or other companies before we realize the benefit of our investment in recruiting and training them. Moreover, new employees may not be or become as productive as we expect, or may not fit culturally, and long-term employees may not embrace new leaders, priorities, methods, processes or other changes and may decide to leave or not perform as well as they did in the past, as we may face challenges in adequately or appropriately integrating them into our workforce and culture. Our headquarters are in Salt Lake City, Utah, which has fewer highly skilled employees in the AI/ML software and robotics fields than some other major metropolitan areas. In addition, as part of the pivot in strategy announced in November 2023 to focus on our AI/ML Software Platform, we closed our facility in Pittsburgh, Pennsylvania and may no longer be able to attract highly skilled employees in that location. To attract and retain key personnel, we may need to open offices in other areas of the country, which could increase costs and reduce productivity. Any failure by our management team and our employees to perform as expected may have a material adverse effect on our ability to design and launch our software products or to operate our business and compete, as well as on our business, prospects, financial condition and operating results. Â We incur significant expenses and administrative burdens as a publicly-traded company, which could have a material adverse effect on our business, prospects, financial condition and operating results. As a publicly-traded company, we are incurring legal, accounting and other expenses that we previously did not have, and these expenses may increase as we continue to implement and strengthen controls, processes and systems and employ related personnel and after we are no longer an emerging growth company, as defined in Section 2(a) of the Securities Act. We are subject to reporting and other requirements of the Exchange Act, the Sarbanes-Oxley Act and the Dodd-Frank Wall Street Reform and Consumer Protection Act, as well as rules adopted by the SEC and the Nasdaq Stock Market LLC ("Nasdaq"). Our management and other personnel devote a substantial amount of time to these compliance initiatives. We may need to hire additional employees to support our operations as a 45 Â public company, which will increase our operating costs in future periods. Moreover, these rules and regulations have substantially increased our legal and financial compliance costs and make some activities more time-consuming and costly. These increased costs have increased our net loss. For example, it has been more expensive for us to obtain appropriate director and officer liability insurance coverage than we incurred as a private company. We cannot accurately predict or estimate the amount or timing of all the additional costs we may incur. Being a public company could also make it more difficult for us to attract and retain qualified persons to serve on our board of directors, our board committees or as executive officers. Such increased expenses and administrative burdens involved in operating as a public company consume significant financial resources and any increases could have a material adverse effect on our business, financial condition and operating results. If we fail to maintain and strengthen effective systems of disclosure controls and procedures and internal control over financial reporting, our ability to produce timely and accurate financial statements or comply with applicable regulations could be adversely affected. We expect that the requirements of the Exchange Act, the Sarbanes-Oxley Act and the rules and regulations of Nasdaq will continue to result in significant legal, accounting and financial compliance costs, make some activities more difficult, time-consuming and costly, and place significant strain on personnel, systems and resources. The Sarbanes-Oxley Act requires, among other things, that we maintain effective disclosure controls and procedures and internal control over financial reporting. We are continuing to develop and refine our disclosure controls, internal control over financial reporting and other procedures that are designed to ensure that information required to be disclosed by us in the reports that we will file with the SEC is recorded, processed, summarized and reported within the time periods specified in SEC rules and forms, and that information required to be disclosed in reports under the Exchange Act is accumulated and communicated to our principal executive and financial officers in a timely manner. The development and implementation of the processes and controls necessary for us to achieve the level of accounting standards required of a public company have increased and may continue to increase our legal and compliance costs, and such costs may be greater than expected. We have previously identified material weaknesses in our internal control over financial reporting, and undertook remediation efforts to address the identified deficiencies and concluded that each material weakness was remediated as of December 31, 2021 and June 30, 2022, respectively. Our current controls and any new controls that we develop may be inadequate because of changes in conditions of our business or otherwise. Any failure to develop or maintain effective controls, or any difficulties encountered in their implementation or improvement, could adversely affect our operating results or cause us to fail to meet our reporting obligations and may result in a restatement of our financial statements for prior periods. Any failure to implement and maintain effective internal controls also could adversely affect the results of periodic management evaluations and annual independent registered public accounting firm attestation reports regarding the effectiveness of our internal control over financial reporting to the extent we are required to include such evaluations and reports in our periodic reports that we file with the SEC under Section 404 of the Sarbanes-Oxley Act. Ineffective disclosure controls and procedures and internal control over financial reporting could also cause investors to lose confidence in our reported financial and other information. In order to maintain and improve the effectiveness of our disclosure controls and procedures and internal control over financial reporting, we expect to continue to expend significant resources, including accounting-related costs, and provide significant management oversight. Any failure to maintain the adequacy of our internal controls, or consequent inability to produce accurate financial statements on a timely basis, could increase operating costs and could materially and adversely affect our ability to operate our business. If our internal controls are or are perceived to be inadequate or if we are or are perceived to be unable to produce timely or accurate financial statements, investors may lose confidence in our operating results and the trading price of our securities could decline. In addition, if our financial statements are not filed on a timely basis, we could be subject to sanctions, enforcement actions or investigations by Nasdaq, the SEC or other regulatory authorities or to private litigation. As a result, any failure to maintain effective internal control over financial reporting could result in a material adverse effect on our business and the price of our Common Stock. Our independent registered public accounting firm is not required to formally attest to the effectiveness of our internal control over financial reporting until after we are no longer an emerging growth company. At such time, our independent registered public accounting firm may issue a report that is adverse in the event it is not satisfied with the level at which our controls are documented, designed or operating. Any failure to maintain effective disclosure controls and procedures and internal control over financial reporting could have a material and adverse effect on our business, prospects, financial condition and operating results. Our ability to use net operating loss carryforwards and other tax attributes may be limited in connection with ownership changes. We have incurred losses during our history and do not expect to become profitable in the near future, and we may never achieve profitability. To the extent that we continue to generate tax losses, unused losses will carry forward to offset future taxable income, if any, until such unused losses expire. 46 Â Under the Tax Cuts and Jobs Act of 2017 (the Tax Act), as modified by the Coronavirus Aid, Relief and Economic Security Act of 2020 (the CARES Act), U.S. federal net operating loss carryforwards generated in taxable periods beginning after December 31, 2017, may be carried forward indefinitely, but the deductibility of such net operating loss carryforwards in taxable years beginning after December 31, 2020, is limited to 80% of taxable income. States may not conform to the Tax Act or the CARES Act in their entirety, if at all. Suspensions or other restrictions on the use of net operating losses or tax credits, possibly with retroactive effect, may result in our existing net operating losses or tax credits expiring or otherwise being unavailable to offset future income tax liabilities. In addition, our net operating loss carryforwards are subject to review and possible adjustment by the Internal Revenue Service and state tax authorities. Under Sections 382 and 383 of the Internal Revenue Code of 1986, as amended (the â€œCodeâ€), these U.S. federal net operating loss carryforwards and other tax attributes may become subject to an annual limitation in the event of certain cumulative changes in the ownership of our company. An â€œownership changeâ€ pursuant to Section 382 of the Code generally occurs if one or more stockholders or groups of stockholders who own at least 5% of a companyâ€™s stock increase their ownership by more than 50 percentage points over their lowest ownership percentage within a rolling three-year period. Our ability to utilize net operating loss carryforwards and other tax attributes to offset future taxable income or tax liabilities may be limited as a result of ownership changes. Similar rules may apply under state tax laws. If we earn taxable income, such limitations could result in increased future income tax liability to us and our future cash flows could be adversely affected. We have recorded a full valuation allowance related to our net operating loss carryforwards and other deferred tax assets due to the uncertainty of the ultimate realization of the future benefits of those assets. Â We have been and may in the future be subject to risks associated with strategic relationships or transactions and may not identify or form desired strategic relationships in the future. We may seek to enter into strategic alliances, joint ventures, minority equity investments, acquisitions, collaborations and in-license arrangements. There is no guarantee that any of these partnerships or acquisitions would lead to any binding agreements or lasting or successful business relationships with third parties or that any of the other anticipated benefits will be achieved. If any of these relationships are established, they may subject us to a number of risks, including risks associated with sharing proprietary information, non-performance by the third-party and increased expenses in establishing new relationships, any of which could materially and adversely affect our business. We may have limited ability to monitor or control the actions of these third parties and, to the extent any of these strategic partners suffers negative publicity or harm to their reputation from events relating to their business, we may also suffer negative publicity or harm to our reputation by virtue of our association with any such third-party. We expect that strategic business relationships

will be an important factor in the growth and success of our business. However, we may not be able to identify or secure suitable business relationship opportunities in the future or our competitors may capitalize on such opportunities before we do. Moreover, identifying such opportunities could require substantial management time and resources, and negotiating and financing relationships involves significant costs and uncertainties. If we are unable to successfully source and execute on strategic relationship opportunities in the future, our overall growth could be impaired, and our business, prospects, financial condition and operating results could be materially adversely affected. When appropriate opportunities arise, we have in the past, and may in the future acquire additional assets, products, technologies or businesses that are complementary to our existing business. From time to time, the sellers of these assets, products and technologies or businesses may retain certain rights to the technology that they sell to us, which in some circumstances could allow the sellers to compete with us. In addition to possible stockholder approval, we may need approvals and licenses from relevant government authorities for acquisitions and to comply with any applicable laws and regulations, which could result in delays and costs, and may disrupt our business strategy if we fail to do so. Furthermore, acquisitions and the subsequent integration of new assets and businesses into our own require significant attention from our management and could result in a diversion of resources from our existing business, which in turn could have an adverse effect on our operations and financial results. Acquired assets or businesses may not generate the financial results we expect. Acquisitions could result in the use of substantial amounts of cash, potentially dilutive issuances of equity securities, the occurrence of significant goodwill impairment charges, amortization expenses for other intangible assets and exposure to potential unknown liabilities of the acquired business. For example, we have previously experienced an impairment of all of the goodwill associated with our acquisition of RE2. Moreover, the costs of identifying and consummating acquisitions may be significant. Risks Related to Legal Claims and Regulatory Compliance Issues in the development and use of AI/ML, combined with an uncertain regulatory environment, may result in reputational harm, liability or other adverse consequences to our business operations. AI/ML technologies are complex and rapidly evolving, and we face significant competition from other companies as well as an evolving regulatory landscape. The introduction of AI/ML technologies into new or existing products may result in new or enhanced governmental or regulatory scrutiny, litigation, confidentiality or security risks, ethical concerns or other complications that could adversely affect our business, reputation or financial results or limit the functionality of our software platform or our ability to sell our software products. Governmental bodies have implemented laws and are considering further regulation of AI/ML technologies that could negatively impact 47 Â our ability to use and develop platforms and products incorporating these technologies. For example, on October 30, 2023 the Biden administration issued an Executive Order to, among other things, establish extensive new standards for AI safety and security. Â Additionally, on March 13, 2024, the European Parliament adopted the AI Act. The AI Act proposes a framework of prohibitions and disclosure, transparency and other regulatory obligations based on various levels of risk for businesses introducing AI systems in the EU. Once the AI Act becomes effective, certain provisions could require us to alter or restrict our use of AI, depending on respective levels of risk-categorization, types of systems, and manner of use, under the AI Act. The AI Act also may require us to comply with monitoring and reporting requirements. Noncompliance with the AI Act could result in fines of up to â‚¬35 million or 7% of annual global turnover for the previous year, whichever is higher. Other jurisdictions may adopt similar or more restrictive legislation that may render the use of such technologies challenging. Numerous other laws and bills proposed at the U.S. federal and state level, as well as internationally, aimed at regulating the deployment or provision of AI systems and services. This includes the Colorado AI Act, which was passed and will become effective February 1, 2026, and, like the AI Act, provides for a regulatory risk-based framework, and numerous laws enacted in California in September 2024. Our efforts to comply with the AI Act and other legislation or regulations, whether now in effect or as may be proposed or enacted in the future, relating to AI/ML technologies may be difficult, onerous, and costly, and could adversely affect our business, reputation, financial condition, results of operations, and growth prospects. We may need to devote substantial time and resources to evaluate our obligations under the AI Act and other legislation and regulations and to develop and execute a plan designed to ensure compliance. Further, the intellectual property ownership and license rights, including copyright, surrounding AI/ML technologies have not been fully addressed by U.S. courts or other federal or state laws or regulations, and the use or adoption by our customers of third-party AI/ML technologies into robotic products and services may result in exposure to claims of copyright infringement or other intellectual property misappropriation or infringement. Uncertainty around new and emerging AI/ML technologies, may require additional investment in the development and maintenance of proprietary datasets and ML models, development of new approaches and processes to provide attribution or remuneration to creators of training data, and development of appropriate protections and safeguards for handling the use of data with AI technologies, which may be costly and could impact our expenses as we utilize AI/ML technologies within our products. The use of AI/ML technologies presents emerging ethical and social issues, and if we enable or offer solutions that draw scrutiny or controversy due to their perceived or actual impact on customers or on society as a whole, we may experience brand or reputational harm, competitive harm and/or legal liability. These challenges may make it harder for us to conduct our business using AI, and may lead to regulatory fines or penalties, require us to change our product offerings or business practices, or prevent or limit our use of AI. If we cannot use AI, or that use is restricted, our business may be less efficient, or we may be at a competitive disadvantage. Any of these factors could adversely affect our business, financial condition, and results of operations. Changes in tax laws could have a material adverse effect on our business, cash flows, results of operations or financial condition. We are subject to the tax laws, regulations, and policies of several taxing jurisdictions. Changes in tax laws, as well as other factors, could cause us to experience fluctuations in our tax obligations and effective tax rates or otherwise adversely affect our tax positions and/or our tax liabilities. For example, many countries and local jurisdictions and organizations such as the Organization for Economic Cooperation and Development have proposed or implemented new tax laws or changes to existing tax laws. The Tax Act has eliminated the option to deduct research and development expenditures currently and instead requires taxpayers to capitalize and amortize them over five or fifteen years. The Inflation Reduction Act of 2022 imposed a 1% excise tax on certain repurchases of stock. Any new tax laws or changes to existing tax laws could adversely affect our effective tax rate, operating results, tax credits or incentives or tax payments, or require our potential customers to pay additional taxes, which could have a material adverse effect on our business, cash flows, results of operations or financial condition. We may become subject to new or changing governmental regulations relating to the development, marketing, licensing, distribution or use of our AI/ML Software Platform and related products or to the providing of customer service, and a failure to comply with such regulations could lead to delays in launching our platform and/or withdrawal of our platform from the market, delay our projected revenues, increase costs and/or make our business unviable if we are unable to modify our software platform to comply. We may become subject to new or changing international, national, state and local regulations, including laws relating to the development, marketing, licensing, distribution or use of AI/ML software products such as ours, or to the providing of customer service. Such laws and regulations may also cover employment, taxation, privacy, data security, data protection, pricing, content, copyrights and other intellectual property, mobile communications, electronic contracts and other communications, consumer protection, unencumbered internet access to our services, the design and operation of websites, and the characteristics and quality of software and services, and may require us to pause sales and modify our software products, which would likely result in a material adverse effect on our revenue and financial condition, especially if implemented on a large scale or in a key market. Such laws and regulations can also give rise to liability, such as fines and penalties or for property damage, bodily injury and cleanup costs. Capital and operating expenses needed to comply with laws and regulations can be significant, and violations may result in substantial fines and penalties, third-party 48 Â damages, suspension of production or a cessation of our operations. Any failure to comply with such laws or regulations could lead to withdrawal of our software products from the market. We may be subject to claims, lawsuits, arbitration proceedings, government investigations and other legal, regulatory and administrative proceedings and face potential liability and expenses related thereto, which could have a material adverse effect on our business, operating results and financial condition. We may be subject to claims, lawsuits, arbitration proceedings, government investigations and other legal, regulatory and administrative proceedings. In addition, we may be subject to the heightened scrutiny that is sometimes directed toward companies taken public via a business combination with a special purpose acquisition company. The outcome of any such claims, investigations or proceedings cannot be predicted with any degree of certainty. In the ordinary course of business we have been and may in the future be the subject of various legal claims. Any such claims, investigations or proceedings against us, whether meritorious or not, could be time-consuming, result in costly litigation, be harmful to our reputation, require significant management attention and divert significant resources, and the resolution of any such claims, investigations or proceedings could result in substantial damages, settlement costs, fines or penalties that could adversely affect our business, financial condition or operating results or result in harm to our reputation and brand, sanctions, consent decrees, injunctions or other remedies requiring a change in our business practices. Further, under certain circumstances we have or may take on contractual or other legal obligations to indemnify and to incur legal expenses on behalf of investors, directors, officers, employees, customers, vendors or other third-parties. For example, our Amended and Restated Bylaws (the "Bylaws") provide that we will indemnify our directors and officers, and may indemnify our employees, agents and other persons, to the fullest extent permitted by the Delaware General Corporation Law. We have also entered into indemnification agreements with directors and officers that require us, among other things, to indemnify them against claims that may arise due to their service in those capacities. These indemnification agreements also require us to advance expenses reasonably and actually incurred by them in investigating or defending any such claims, and it may be difficult or impossible to recover any advanced expenses if it turns out the person was not entitled to indemnification. If we are required or agree to defend or indemnify, or advance expenses to, any of our investors, directors, officers, employees, customers, vendors or other third-parties, we could incur material costs and expenses that could adversely affect our business, results of operations or financial condition. We are subject to evolving laws, regulations, standards, policies and contractual obligations related to data privacy and security, and our actual or perceived failure to comply with such obligations could harm our reputation, subject us to significant fines and liability or otherwise adversely affect our business, prospects, financial condition and operating results. We are subject to or affected by a number of national, state and local laws and regulations, as well as contractual obligations and industry standards, that impose certain obligations and restrictions with respect to data privacy and security, and govern our collection, storage, retention, protection, use, processing, transmission, sharing and disclosure of personal information, including that of our employees, customers and others. Many jurisdictions have enacted laws requiring companies to notify individuals, regulatory authorities and others of security breaches involving certain types of data. Such laws may be inconsistent or may change or additional laws may be adopted. In addition, our agreements with certain customers may require us to notify them in the event of a security breach or incident. Such mandatory disclosures are costly and could lead to negative publicity, penalties, fines, litigation and other proceedings or cause our customers to lose confidence in the effectiveness of our security measures and require us to expend significant capital and other resources to respond to and/or alleviate problems caused by the actual or perceived security breach or incident. Â As a government contractor or subcontractor, we are subject to the Department of Defense's ("DoD") cybersecurity requirements, including compliance with the newly formalized Cybersecurity Maturity Model Certification ("CMMC") Program's requirements. Depending on certain factors, including the awarding DoD agency and type of contract, we may be required to obtain and affirm specific third-party cybersecurity certifications to be deemed eligible for award. Failure to comply with these requirements could restrict our ability to compete for, be awarded and/or perform on DoD contracts. The DoD expects that all new contracts will be required to comply with the CMMC program by 2026, and initial requests for information and for proposal have already begun. To the extent we, or our subcontractors or other third parties on whom we rely, are unable to achieve certification in advance of contract awards that specify the requirement, we may be deemed ineligible for awards or follow-on awards for existing work with the DoD, which could materially and adversely affect our results of operations, financial condition, business and prospects. We will also be required to go through a recertification process periodically, which may increase our costs of compliance relating to such certification, may increase risk exposure based on frequency of recertification affirmations and may cause operational delays. In addition, obligations that may be imposed on us under the CMMC program may be different from or in addition to those otherwise required by applicable laws and regulations, which may cause additional expense for compliance. The global data protection landscape is rapidly evolving, and implementation standards and enforcement practices are likely to remain uncertain for the foreseeable future. We may not be able to monitor and react to all developments in a timely manner. For example, California adopted the California Consumer Privacy Act ("CCPA"), which became effective in January 2020. The CCPA establishes a privacy framework for covered businesses, including an expansive definition of personal information and data privacy rights for 49 Â California residents. The CCPA includes a framework with potentially severe statutory damages and private rights of action. The CCPA was modified and supplement by, the California Privacy Rights Act ("CPRA"), which went into effect on January 1, 2023. Numerous other states have proposed, and in many cases have enacted, laws addressing data privacy and security, which in many cases are similar to the CCPA and CPRA. The U.S. federal government also is contemplating federal privacy legislation. As we expand our operations, the CCPA, CPRA, and other laws and regulations relating to privacy and data security may increase our compliance costs and potential liability. Compliance with any applicable privacy and data security laws and regulations is a rigorous and time-intensive process, and we may be required to put in place additional mechanisms to comply with such laws and regulations. Additionally, as our international presence expands, we may become subject to or face increasing obligations under laws and regulations in countries outside the United States, many of which, such as the European Unionâ€™s General Data Protection Regulation ("GDPR") and national laws supplementing the GDPR, as well as legislation substantially implementing the GDPR in the United Kingdom, which generally are more stringent than those currently enforced in the United States. The GDPR requires companies to meet stringent requirements regarding the handling of personal data of individuals located in the European Economic Area. The GDPR also includes significant penalties for noncompliance, which may result in monetary penalties of up to the higher of â‚¬20 million or 4% of a groupâ€™s worldwide turnover for the preceding financial year for the most serious violations. The United Kingdomâ€™s version of the GDPR, which it maintains along with its Data Protection Act, also provides for substantial penalties that, for the most serious violations, can go up to the greater of Â£17.5 million or 4% of a groupâ€™s worldwide turnover for the preceding financial year. Many other jurisdictions globally are considering or have enacted legislation providing for local storage of data or otherwise imposing privacy, data protection and data security obligations in connection with the collection, use and other processing of personal data. As a general matter, compliance with laws, regulations, contractual obligations, industry standards, and any rules or guidance from self-regulatory organizations relating to privacy, data protection, and data security that apply, or are asserted to apply, to our operations may result in substantial costs and may necessitate changes to our business practices, which may compromise our growth strategy, adversely affect our ability to acquire customers, and otherwise adversely affect our business, prospects, results of operations, and financial condition. We publish privacy policies and other documentation regarding our collection, processing, use and disclosure of personal information and/or other confidential information. Although we endeavor to comply with our published policies and other documentation, we may at times fail to do so or may be perceived to have failed to comply with such policies and other actual or asserted legal or contractual obligations relating to privacy, data protection or data security. Moreover, despite our efforts, we may not be successful in achieving compliance, including if our employees, contractors, service providers or vendors fail to comply with our published policies and documentation. Such failures can subject us to potential action by governmental or regulatory authorities if they are found to be deceptive, unfair, or misrepresentative of our actual practices. Any actual or perceived inability to adequately address privacy and security concerns or comply with applicable laws, rules and regulations relating to privacy, data protection or data security, or applicable privacy notices, could lead to investigations, claims and proceedings by governmental entities and private parties, damages for contract breach and other significant costs, penalties or liabilities. Any such claims or other proceedings could be expensive and time-consuming to defend and could result in adverse publicity. Any of the foregoing may have an adverse effect on our business, prospects, results of operations, and financial condition. We are subject to cybersecurity risks to our operational systems, security systems, infrastructure and data processed by us or third-party vendors. Our business and operations may involve the collection, storage, processing and transmission of personal data and certain other sensitive and proprietary data of collaborators, customers and others. Additionally, we maintain sensitive and proprietary information relating to our business, such as our own proprietary information and personal data relating to our employees. An increasing number of organizations have disclosed breaches of their information security systems and other information security incidents, some of which have involved sophisticated and highly targeted attacks. We have been and may in the future be a target for cybersecurity attacks designed to disrupt our operations or to attempt to gain access to our systems, data processed or maintained in our business, trade secrets or other proprietary information or financial resources. Some of our employees work remotely which has increased security risks. In addition, the risk of state-supported and geopolitical-related cybersecurity attacks is believed to be heightened in connection with international conflicts and any related political or economic responses and counter-responses. We are at risk for interruptions, outages and breaches of (a) operational systems, including business, financial, accounting, product development, data processing or production processes, owned by us or our third-party vendors or suppliers; (b) facility security systems, owned by us or our third-party vendors or suppliers; (c) in-product technology, owned by us or our third-party vendors; (d) our

software, including third-party software we license; and (e) customer data that we process or our third-party vendors process on our behalf. Because techniques used to obtain unauthorized access to or to sabotage information systems change frequently and may not be known until launched against a target, we may be unable to anticipate or prevent these attacks, react in a timely manner or implement adequate preventive measures, and we may face delays in our detection or remediation of, or other responses to, security breaches and other privacy-and security-related incidents. Such incidents could: materially disrupt our operational systems; result in loss of intellectual property, trade secrets or other proprietary or competitively sensitive information; compromise certain information of customers, employees, or others; jeopardize the security of our facilities; or affect the performance of in-product technology and the integrated 50 Â software in our systems. Certain efforts may be state-sponsored or supported by significant financial and technological resources, making them even more difficult to detect, remediate and otherwise respond to. We plan to include product services and functionality that utilize data connectivity to monitor performance and timely capture opportunities to enhance performance and for safety and cost-saving preventative maintenance. The availability and effectiveness of our services depend on the continued operation of information technology and communications systems. Our systems will be vulnerable to damage or interruption from, among others, physical theft, fire, terrorist attacks, natural disasters, power loss, war, telecommunications failures, viruses, denial or degradation of service attacks, ransomware and other malicious code, social engineering schemes, insider theft or misuse or other attempts to harm our systems. We may face objections to our intended collection or use of data, which may require us to implement new or modified data handling policies and mechanisms, increase our maintenance costs and costs associated with data processing and handling, and harm our business prospects. The use of AI/ML technologies may result in security incidents and our use of AI/ML technologies may create additional cybersecurity risks or increase cybersecurity risks, including risks of security breaches and incidents. Further, AI/ML technologies may be used in connection with certain cybersecurity attacks, including to launch more automated, targeted and coordinated attacks, resulting in heightened risks of security breaches and incidents. Although we have implemented and are in the process of implementing additional systems and processes that are designed to protect our data and systems within our control, prevent data loss and prevent other security breaches and security incidents, these security measures cannot guarantee security. The IT infrastructure used in our business may be vulnerable to cyber attacks or security breaches or incidents, and third parties may be able to access data, including personal data and other sensitive and proprietary data of ours and our customers, collaborators and partners, our employeesâ€™ personal data or other sensitive and proprietary data accessible through those systems, or such data otherwise may be subject to unauthorized use, disclosure, unavailability, modification or other processing. Employee error, malfeasance or other errors in the storage, use or transmission of any of these types of data could result in an actual or perceived privacy or security breach or other security incident. Moreover, there are inherent risks associated with developing, improving, expanding and updating our current systems, such as the disruption of our data management, procurement, product development, finance and sales and service processes. These risks may affect our ability to manage our data or deploy and service our products and solutions, adequately protect our intellectual property or achieve and maintain compliance with, or realize available benefits under, applicable laws, regulations and contracts. We cannot be sure that these systems upon which we rely, including those of our third-party vendors or suppliers, will be effectively implemented, maintained or expanded as planned. If we do not successfully implement, maintain or expand these systems as planned, our operations may be disrupted, our ability to accurately and timely report our financial results could be impaired and deficiencies may arise in our internal control over financial reporting, which may impact our ability to certify our financial results. Moreover, our proprietary information or intellectual property could be compromised or misappropriated and our reputation may be adversely affected. If these systems do not operate as we expect them to, we may be required to expend significant resources to make corrections or find alternative sources for performing these functions. Any actual or perceived security breach or security incident, or any systems outages or other disruption to systems used in our business, could interrupt our operations, result in loss or improper access to, or acquisition, unavailability, modification, disclosure or other processing of, data or a loss of intellectual property protection, harm our reputation and competitive position, reduce demand for our software products, damage our relationships with customers, partners, collaborators or others or result in claims, regulatory investigations and proceedings and significant legal, regulatory and financial exposure, and any such incidents or any perception that our security measures are inadequate could lead to loss of confidence in us and harm to our reputation, any of which could adversely affect our business, financial condition and results of operations. Any actual or perceived breach of privacy or security, or other security incident, impacting any entities with which we share or disclose data (including, for example, our third-party technology providers) could have similar effects. We expect to incur significant costs in an effort to detect and prevent privacy and security breaches and other privacy- and security-related incidents, and may face increased costs and requirements to expend substantial resources in the event of an actual or perceived privacy or security breach or other incident. We are subject to laws, regulations and contractual provisions as a government contractor or subcontractor, which may pose increased risk of potential liability and expenses related thereto, which could have a material adverse effect on our business, operating results and financial condition. As a government contractor or subcontractor, we must comply with laws, regulations and contractual provisions relating to the formation, administration and performance of government contracts and inclusion on government contract vehicles, which affect how we and our partners do business with government agencies. U.S. governmental agencies, such as the Defense Contract Audit Agency and the Defense Contract Management Agency, routinely audit and investigate government contractors. In addition, as a result of actual or perceived noncompliance with government contracting laws, regulations or contractual provisions, we may be subject to non-ordinary course audits and internal investigations which may prove costly to our business financially, divert management time or limit our ability to continue selling our software products to our government customers. These laws and regulations may impose other added costs on our business, and failure to comply with these or other applicable regulations and requirements, including non-compliance in the past, 51 Â could lead to claims for damages, downward contract price adjustments or refund obligations, civil or criminal penalties, termination of contracts and suspension or debarment from government contracting for a period of time with government agencies. Any such damages, penalties, disruption or limitation in our ability to do business with a government would adversely impact, and could have a material adverse effect on, our business, prospects, financial condition and operating results. We are subject to U.S. and foreign anti-corruption and anti-money laundering laws and regulations. We can face criminal liability and other serious consequences for violations of these laws, which can harm our business, prospects, financial condition and operating results. We are subject to the U.S. Foreign Corrupt Practices Act of 1977, as amended (FCPA), the U.S. domestic bribery statute contained in 18 U.S.C. Â§ 201, the U.S. Travel Act, and other anti-corruption, anti-bribery and anti-money laundering laws, including those of other countries in which we conduct activities. Anti-corruption laws are interpreted broadly and prohibit companies and their employees, business partners, third-party intermediaries, representatives and agents from authorizing, promising, offering or providing, directly or indirectly, improper payments or anything else of value to government officials, political candidates, political parties or commercial partners for the purpose of obtaining or retaining business or securing an improper business advantage. We have direct and indirect interactions with foreign officials, including in furtherance of sales to governmental entities in non-U.S. countries. We sometimes leverage third parties to conduct our business abroad, and our third-party business partners, intermediaries, representatives and agents may have direct or indirect interactions with officials and employees of government agencies or state-owned or affiliated entities. We can be held liable for the corrupt or other illegal activities of our employees or these third-parties, even if we do not explicitly authorize or have actual knowledge of such activities. The FCPA and other applicable laws and regulations also require that we keep accurate books and records and maintain internal controls and compliance procedures designed to prevent any such actions. While we have policies and procedures to address compliance with such laws, our employees, business partners, third-party intermediaries, representatives and agents may take actions in violation of our policies and applicable law, for which we may be ultimately held responsible. Our exposure for violating these laws increases as our international presence expands and as we increase sales and operations in foreign jurisdictions. Any allegations or violations of the laws and regulations described above may result in whistleblower complaints, adverse media coverage, investigations, substantial civil and criminal fines and penalties, damages, settlements, prosecution, enforcement actions, imprisonment, the loss of export or import privileges, suspension or debarment from government contracts, tax reassessments, breach of contract and fraud litigation, reputational harm and other consequences, any of which could adversely affect our business, prospects, financial condition and operating results. In addition, responding to any investigation or action will likely result in a significant diversion of managementâ€™s attention and resources and significant defense costs and other professional fees. We are subject to governmental export and import controls and laws that could subject us to liability if we are not in compliance with such laws. Our AI/ML Software Platform and related products and technology are subject to compliance with applicable export control, import and economic sanctions laws and regulations, including the U.S. Export Administration Regulations, U.S. International Traffic in Arms Regulations, U.S. Customs regulations and various economic and trade sanctions regulations administered by the U.S. Treasury Departmentâ€™s Office of Foreign Assets Control. Exports of our software products and technology must be made in compliance with these laws and regulations. If we fail to comply with these laws and regulations, we and certain of our employees could be subject to substantial civil or criminal penalties, including the possible loss of export or import privileges; debarment from U.S. government contracting; fines, which may be imposed on us and responsible employees or managers; and, in extreme cases, the incarceration of responsible employees or managers. Moreover, international sales of our software may be subject to first obtaining licenses, clearances or authorizations from various regulatory entities. If we are not allowed to export our software or the clearance process is burdensome and costly, our ability to generate revenue would be adversely affected. In addition, changes to our software, or changes in applicable export control, import or economic sanctions laws and regulations may create delays in the introduction and sale of our software products, constrain collaboration with suppliers or other business partners or, in some cases, prevent the export or import of our software to certain countries, governments or persons altogether. Compliance with such laws and regulations may also be costly and require time and attention from our management. Any change in export, import or economic sanctions laws and regulations, shift in the enforcement or scope of existing laws and regulations or change in the countries, governments, persons or technologies targeted by such laws and regulations could also result in decreased use of our software platform systems, as well as our decreased ability to export or market our software to potential customers. Any decreased use of our software products or limitation on our ability to export or market our software would likely adversely affect our business, prospects, financial condition and operating results. Â 52 Â Increased scrutiny and changing expectations from regulators, investors, customers, employees, and others regarding our environmental, social and governance practices and reporting could cause us to incur additional costs, devote additional resources and expose us to additional risks, which could adversely impact our reputation, customer acquisition and retention, access to capital and employee retention. Â Companies across all industries are facing increasing scrutiny related to their environmental, social and governance, or ESG, practices and reporting. Regulators, investors, customers, employees and other stakeholders have focused increasingly on ESG practices and placed increasing importance on the implications and social cost of their investments, purchases and other interactions with companies. If our ESG practices and reporting do not meet investor, customer, or employee expectations, which continue to evolve, our brand, reputation and customer retention may be negatively impacted. We could also incur additional costs and need to devote additional resources to monitor, report and implement various ESG practices, including as a result of regulatory developments. Â Risks Related to Our Intellectual Property Our success depends in part on our ability to obtain and maintain protection for the intellectual property relating to our software and other technologies. Our success depends in part on our ability to obtain and maintain protection for the intellectual property relating to our software and other technologies. We seek to protect our intellectual property through a combination of patents, trademarks and other intellectual property rights, as well as confidentiality and/or intellectual property assignment agreements with our employees and certain of our contractors, consultants, scientific advisors and other vendors and third-parties. In addition, we rely on copyright and trade secret law to protect our proprietary software and product candidates/products in development. Patent positions covering robotics software and solutions can be highly uncertain and involve many new and evolving complex legal, factual and technical issues. Patent laws and interpretations of those laws are subject to change and any such changes may diminish the value of our patents or narrow the scope of our right to exclude others. In addition, we may fail to apply for or be unable to obtain patents necessary to protect our technology or software platform or related products from competition or fail to enforce our patents due to lack of information about the exact use of technology or processes by third parties or for a variety of other reasons. Also, we cannot be sure that any patents will be granted in a timely manner or at all with respect to any of our pending patent applications or that any patents that are granted will be adequate to exclude others for any significant period of time or at all. Given the foregoing, and in order to continue reducing operational expenses, we are investing fewer resources in filing and prosecuting new patents and on maintaining and enforcing various patents, especially in regions where we currently do not focus our market growth strategy or with respect to patents with less relevance to our current business. Litigation to establish or challenge the validity of patents, or to defend against or assert against othersâ€™ infringement, unauthorized use, enforceability or invalidity, can be lengthy and expensive and may result in our patents being invalidated or interpreted narrowly and may restrict our ability to be granted new patents related to our pending patent applications. Even if we prevail, litigation may be time consuming, force us to incur significant costs and divert managementâ€™s attention from managing our business while any damages or other remedies awarded to us may not be valuable or adequate. In addition, U.S. patents and patent applications may be subject to interference or derivation proceedings, and U.S. patents may be subject to re-examination and inter partes or post grant review proceedings in the U.S. Patent and Trademark Office. Furthermore, our issued patents may be subject to claims of invalidity based on earlier filed patents or published applications not discovered in any patent searches or by the patent offices that carried out examination of the issued patents. Foreign patents may also be subject to opposition or comparable proceedings in corresponding foreign patent offices. Any of these proceedings may be expensive and could result in the loss of a patent or denial of a patent application, or the loss or reduction in the scope of one or more of the claims of a patent or patent application. In addition, we seek to protect our trade secrets, know-how, and confidential information that is not patentable or for which we decide not to seek a patent by entering into confidentiality and intellectual property assignment agreements with our employees and certain of our contractors and confidentiality agreements with certain of our consultants, scientific advisors and other vendors and contractors. However, we may fail to enter into the necessary agreements, and even if entered into, these agreements may be breached or otherwise fail to prevent disclosure, third-party infringement or misappropriation of our proprietary information, may be limited as to their term and may not provide an adequate remedy in the event of unauthorized disclosure or use of proprietary information. Enforcing a claim that a third party illegally obtained or is using our trade secrets without authorization may be expensive and time consuming, and the outcome is unpredictable. Some of our employees or consultants or service providers may own certain technology which they license to us for a set term. If these technologies are material to our business after the term of the license and we are unable to use them, it could adversely affect our business and profitability. We have taken and continue to take precautions to initiate safeguards to protect our information technology systems. However, these measures may not be adequate to safeguard our proprietary information, which could lead to the loss or impairment thereof or to expensive litigation to defend our rights against competitors who may be better funded and have superior resources. In addition, 53 Â unauthorized parties may attempt to copy or reverse engineer certain aspects of our software or other technologies that we consider proprietary or our proprietary information may otherwise become known or may be independently developed by our competitors or other third parties. If other parties are able to use our proprietary technology or information, our ability to compete could be harmed. Further, unauthorized use of our intellectual property may have occurred, or may occur in the future, without our knowledge. We also have made efforts to register and enforce our trademark rights. However, trademark law and the associated infringement analysis is complex, and, notwithstanding our efforts to develop and enforce our trademark portfolio, both outgoing and incoming claims of trademark infringement could lead to limitations, loss or impairment of those trademark rights or to expensive litigation to prosecute or defend our trademark rights against third-party infringers who may be better funded and have superior resources. Â If we are unable to obtain or maintain adequate protection for our intellectual property, or if any protection is reduced or eliminated, competitors may be able to use our technologies, resulting in harm to our competitive position and our business. We may not be able to effectively protect our intellectual property rights in our target markets or at all. Filing, prosecuting, maintaining and defending patents and trademarks and seeking to enforce copyrights on our intellectual property in all target markets would be prohibitively expensive and time consuming, and thus our intellectual property rights outside the United States are limited. In addition, the laws of some of our target markets, especially developing countries, such as China, do not protect intellectual property rights to the same extent as federal and state laws in the United States. Also, it may not be possible to effectively enforce intellectual property rights in some countries at all or to the same extent as in the United States and other countries. Consequently, we are unable to prevent third parties from using our inventions in all of our target markets, or from selling or importing products made using our inventions, technologies or software in the jurisdictions in which we do not have (or are unable to effectively enforce) patent or other intellectual property protection. Competitors may use our technologies in jurisdictions where they have not obtained patent protection to develop, market or otherwise commercialize their own

products, and we may be unable to prevent those competitors from importing those infringing products into territories where we have patent protection, but enforcement may not be as strong as in the United States. These products may compete with our software products and our patents and other intellectual property rights may not be effective or sufficient to prevent them from competing in those jurisdictions. Moreover, strategic partners, competitors or others may raise legal challenges against our intellectual property rights or may infringe upon our intellectual property rights, including through means that may be difficult to detect or prevent. Many companies have encountered significant problems in protecting and defending intellectual property rights in foreign jurisdictions. Proceedings to enforce our patent rights in the United States or foreign jurisdictions could result in substantial costs and divert our efforts and attention from other aspects of our business, could put our patents at risk of being invalidated or interpreted narrowly and our patent applications at risk of not issuing and could provoke third parties to assert patent infringement or other claims against us. We may not prevail in any lawsuits that we initiate and the damages or other remedies awarded, if any, may not be commercially meaningful. Accordingly, our efforts to enforce our intellectual property rights in the United States and around the world may be inadequate to obtain a significant commercial advantage from the intellectual property that we develop or license from third parties. We may be subject to intellectual property infringement claims or misappropriation claims, which may be time consuming and expensive and, if adversely determined, could limit our ability to commercialize our software products. Companies operating in the robotics software industry may face difficulty enforcing their patent and other intellectual property rights and may become subject to a substantial amount of litigation over these rights. In particular, our competitors in both the United States and abroad, many of which have substantially greater resources than we have and have made substantial investments in competing technologies, have been issued patents and filed patent applications with respect to their products and processes and may apply for other patents in the future. The large number of patents, the rapid rate of new patent issuances and the complexities of the technology involved increase the risk of patent litigation. Determining whether a product infringes a patent involves complex legal and factual issues and the outcome of patent litigation is often uncertain. No assurance can be given that patents containing claims covering our software products, technology or methods do not exist, have not been filed or could not be filed or issued. In addition, because patent applications can take years to issue and because publication schedules for pending applications vary by jurisdiction, there may be applications now pending of which we are unaware and which may result in issued patents that our current or future products infringe. Also, because the claims of published patent applications can change between publication and patent grant, published applications that initially do not appear to be problematic may issue with claims that potentially cover our software, technology or methods. Moreover, there may be pending, published or allowed applications that may disclose, but not claim, subject matter covering our software, technology or methods, where such pending or published applications may be amended, or one or more continuation or divisional applications may be filed, in an attempt to capture, to the extent possible, such software, technology or methods that are in the public domain, and which may result in issued patents that our current or future products infringe. 54 Â Infringement actions and other intellectual property claims brought against us, whether with or without merit, may cause us to incur substantial costs and could place a significant strain on our financial resources, divert the attention of management, and harm our reputation. We cannot be certain that we will successfully defend against any allegations of infringement. If we are found to infringe another partyâ€™s patents, we could be required to pay damages. We could also be prevented from selling our infringing software products, unless we can obtain a license to use the technology covered by such patents or can redesign our software products so that they do not infringe. A license may not be available on commercially reasonable terms or at all, and we may not be able to redesign our software products to avoid infringement. In these circumstances, we may not be able to sell our software products at competitive prices or at all, and our business, prospects, financial condition and operating results would be harmed. Â Intellectual property discovered through government funded programs may be subject to federal regulations such as â€œmarch-inâ€ rights, certain reporting requirements and a preference for U.S.-based companies. Compliance with such regulations may limit our exclusive rights and limit our ability to contract with non-U.S. manufacturers. We may develop, acquire, or license intellectual property rights that have been generated through the use of U.S. government funding or grants. Pursuant to the Bayh-Dole Act of 1980, the U.S. government has certain rights in inventions developed with government funding. These U.S. government rights may include a non-exclusive, non-transferable, irrevocable worldwide license to use inventions for any governmental purpose. In addition, the U.S. government may have the right, under certain limited circumstances, to require us to grant exclusive, partially exclusive, or non-exclusive licenses to any of these inventions to a third party if the U.S. government determines that: (1) adequate steps have not been taken to commercialize the invention; (2) government action is necessary to meet public health or safety needs; or (3) government action is necessary to meet requirements for public use under federal regulations (also referred to as â€œmarch-in rightsâ€). Such â€œmarch-inâ€ rights would apply to new subject matter arising from the use of such government funding or grants and would not extend to pre-existing subject matter or subject matter arising from funds unrelated to the government funding or grants. If the U.S. government exercised its march-in rights in our intellectual property rights generated through the use of U.S. government funding or grants, we could be forced to license or sublicense intellectual property we developed or that we license on terms unfavorable to us, and there can be no assurance that we would receive compensation from the U.S. government for the exercise of such rights. The U.S. government may also have the right to take title to these inventions if the grant recipient fails to disclose the invention to the government or fails to file an application to register the intellectual property within specified time limits. Intellectual property generated under a government funded program is also subject to certain reporting requirements, compliance with which may require us to expend substantial resources. In addition, the U.S. government requires that any products embodying any of these inventions or produced through the use of any of these inventions be manufactured substantially in the United States. This preference for U.S. industry may be waived by the federal agency that provided the funding if the owner or assignee of the intellectual property can show that reasonable but unsuccessful efforts have been made to grant licenses on similar terms to potential licensees that would be likely to manufacture substantially in the United States or that under the circumstances domestic manufacture is not commercially feasible. This preference for U.S. industry may limit our ability to contract with non-U.S. product manufacturers for products covered by such intellectual property. We may be subject to damages resulting from claims that we or our employees have wrongfully used or disclosed alleged trade secrets of our employeesâ€™ former employers. We may be subject to claims that we or our employees have inadvertently or otherwise used or disclosed trade secrets or other proprietary information of an employeeâ€™s former employers. Litigation may be necessary to defend against these claims. If we fail to defend against such claims, in addition to paying monetary damages, we may lose valuable intellectual property rights or personnel or be forced to seek a license, which may not be available on commercially acceptable terms or at all. A loss of key personnel or their work product could hamper or prevent our ability to commercialize our software products, which could severely harm our business. Even if we are successful in defending against these claims, litigation could result in substantial costs and demand on management resources. Risks Related to Ownership of our Securities The price of our Common Stock could decline due to the large number of shares of our Common Stock being subject to employee equity awards. We have granted and expect to continue to grant equity awards to our directors and employees as additional compensation in an effort to align their interests with those of our stockholders. Because these awards may be scheduled to vest during specified points in time, such as expected open trading windows under our insider trading policy, there is a potential that sales of large amounts of our Common Stock may take place during concentrated periods, leading to a decline in the price of our Common Stock. â€œSell-to-coverâ€ transactions can be used in connection with the vesting and settlement of equity awards that are granted to our employees so that shares of our Common Stock are sold on behalf of our employees in an amount sufficient to cover the tax withholding obligations and, if applicable, exercise price associated with these awards. As a result of these transactions, a significant number of shares of our Common Stock may be sold over a limited time period in connection with significant vesting events. We may also settle tax withholding 55 Â obligations in connection with vesting of awards through â€œnet settlement,â€ in which we remit cash to satisfy the tax withholding obligation and withhold a number of the vested shares on each vesting date. Depending on the fair value of our Common Stock and the number of awards vesting on any applicable vesting date, such net settlement could require us to expend substantial funds to satisfy tax withholding. The markets for our Common Stock and Warrants have been volatile and may not continue at all. Since the Business Combination and the commencement of the trading of our Common Stock and Warrants on the Nasdaq Global Market, the prices of our Common Stock and Warrants have been volatile and may continue to fluctuate significantly due to various factors, some of which are beyond our control. Any of the factors listed below could have a material adverse effect on your investment in our securities and our securities may trade at prices significantly below the price you paid for them. In such circumstances, the trading price of our securities may not recover and may experience a further decline. Factors affecting the trading price of our securities may include: â€¢actual or anticipated fluctuations in our quarterly financial results or the quarterly financial results of companies perceived to be similar to us; â€¢changes in the marketâ€™s expectations about our operating results; â€¢the publicâ€™s reaction to our press releases, our other public announcements and our filings with the SEC; â€¢changes in strategy or financial condition; â€¢speculation in the press or investment community; â€¢success of competitors; â€¢our operating results failing to meet the expectation of securities analysts or investors in a particular period; â€¢changes in operating performance and stock market valuations of robotics software or other technology companies, or those in our industry in particular; â€¢changes in financial estimates and recommendations by securities analysts concerning our company or the market in general; â€¢operating and stock price performance of other companies that investors deem comparable to us; â€¢our ability to market, sell and deliver our software products; â€¢changes in laws and regulations affecting our business; â€¢commencement of, or involvement in, litigation; â€¢changes in our capital structure, such as future issuances of securities or the incurrence of additional debt; â€¢the volume of shares of the Common Stock and Public Warrants available for public sale, including as a result of the exercise of any of our Warrants or the exercise or vesting of employee equity awards; â€¢any major change in our board of directors or management; â€¢sales of substantial amounts of Common Stock by our directors, officers or significant stockholders or the perception that such sales could occur; â€¢the realization of any of the risk factors discussed herein; â€¢additions or departures of key personnel; â€¢failure to comply with Nasdaq listing requirements (see â€œOur Common Stock and Warrants are subject to potential delisting from The Nasdaq Global Market in the event we do not meet Nasdaqâ€™s continued listing requirements, which would likely impair the liquidity of the trading market for our Common Stock and Warrantsâ€); â€¢failure to comply with the Sarbanes-Oxley Act of 2002 or other laws or regulations; â€¢actual, potential or perceived control, accounting or reporting problems; â€¢changes in accounting principles, policies and guidelines; and â€¢general economic and political conditions such as recessions, interest rates, fuel prices, international currency fluctuations and acts of war or terrorism. 56 Â Broad market and industry factors may materially harm the market price of our securities irrespective of our operating performance or any of the factors listed above. The securities markets in general have experienced price and volume fluctuations that have often been unrelated or disproportionate to the operating performance of the particular companies affected. The trading prices and valuations of these securities, including our securities, are not predictable. A loss of investor confidence in the market for the stocks of other companies which investors perceive to be similar to us could depress our stock price regardless of our business, prospects, financial conditions or results of operations. A decline in the market price of our securities also could adversely affect our ability to issue additional securities and our ability to obtain additional financing in the future. In the past, securities class action litigation has often been initiated against companies following periods of volatility in their stock price. This type of litigation could result in substantial costs and divert our managementâ€™s attention and resources, and could also require us to make substantial payments to satisfy judgments or to settle litigation. Our Common Stock and Warrants are subject to potential delisting from The Nasdaq Global Market in the event we do not meet Nasdaq's continued listing requirements, which would likely impair the liquidity of the trading market for our Common Stock and Warrants. Our listing on the Nasdaq Global Market is contingent upon meeting all the continued listing requirements of the Nasdaq Global Market, including a minimum market value of $15 million, a minimum bid price of $1.00 per share for our Common Stock and timely filing requirements of all required periodic reports with the SEC. Â On January 23, 2023, we received written notice from the Listing Qualifications Department of Nasdaq notifying us that, based on the closing bid price of our Common Stock for the previous 30 consecutive business days, we did not comply with the minimum bid price requirement for continued listing on The Nasdaq Global Market, and that we had until July 22, 2023 to regain such compliance. To do so, our Board of Directors and stockholders approved a 1-for-6 reverse stock split after which we regained compliance with Nasdaqâ€™s continued listing requirements. Â On October 24, 2023, we again received written notice from the Listing Qualifications Department of Nasdaq notifying us that, based on the closing bid price of our Common Stock for the previous 30 consecutive business days, we no longer complied with the minimum bid price requirement for continued listing on The Nasdaq Global Market. We regained compliance on March 8, 2024 when the closing bid price of our Common Stock had been at least $1.00 per share for a minimum of 10 consecutive business days. Â Although we were able to regain compliance with the minimum bid price requirement within Nasdaq's automatic compliance period each time we received notice of non-compliance, if our stock price declines we could again fail to comply with this requirement and may not be able to regain compliance. In the event we again become out of compliance with the minimum bid price requirement or if we were to become out of compliance with the other listing requirements and we were not able to regain compliance with requirements for continued listing on Nasdaq, we may transfer to and commence trading on the OTC Markets. Shares traded on the OTC Markets generally have lower trading volumes, fewer market makers, higher trading volatility and wider spreads between bid and ask quotations than shares traded on major national exchanges such as Nasdaq. The OTC Markets are also less regulated than a major exchange like Nasdaq, and typically require less stringent corporate governance requirements. If our Common Stock or Warrants become delisted from Nasdaq for any reason and are quoted on the OTC Markets such as OTCQX, OTCQB or OTC Pink, an inter-dealer automated quotation system for equity securities that is not a national securities exchange, stockholders would likely find it more difficult to trade or obtain accurate price quotations for our shares. Delisting would likely also reduce the visibility, liquidity, and value of our Common Stock, reduce institutional investor interest in us, and may increase the volatility of our Common Stock. Delisting could also cause a loss of confidence of potential industry partners, lenders, and employees, which may harm our ability to raise capital through alternative financing sources on terms acceptable to us, which could further harm our business and our future prospects. Some or all of these material adverse consequences may contribute to a further decline in our stock price. If an active trading market for our securities is not sustained with sufficient trading volume, you may have limited or no ability to sell your securities. If securities or industry analysts cease publishing research or reports about us, our business or our market, or if they change their recommendations regarding our Common Stock, then the price and trading volume of our Common Stock could decline. The trading markets for our Common Stock and Warrants will be influenced by the research and reports that industry or securities analysts may publish about us, our business, our market or our competitors. Analysts who previously covered us in the past have since ceased publishing research or reports about us. If any analysts who cover us in the future change their recommendation regarding our stock adversely, or provide more favorable relative recommendations about our competitors, the price of our Common Stock and Public Warrants would likely decline. If any analyst covering our company in the future were to cease coverage of us or fail to regularly publish reports on us, we could lose visibility in the financial markets, which could cause the prices and trading volumes of the Common Stock and Public Warrants to decline. 57 Â There is no guarantee that the Public Warrants or Private Placement Warrants will ever be in the money, and they may expire worthless. Â The exercise price of our Warrants is higher than is typical with many companies that have merged with similar blank check companies in the past. Historically, with regard to units offered by blank check companies, the exercise price of a Warrant was generally a fraction of the purchase price of the units in the initial public offering. The exercise price for our Warrants is $11.50 per warrant. Upon exercise, the exercise price of the Warrants and the number of shares of Common Stock issuable shall be adjusted 1-for-6, the same ratio as the reverse stock split that was effective as of July 5, 2023. There is no guarantee that the Warrants will ever be in the money prior to their expiration, and as such, the Warrants may expire worthless. We may redeem unexpired Warrants prior to their exercise at a time that is disadvantageous to Warrant holders, thereby making their Warrants worthless. We have the ability to redeem outstanding Warrants at any time after they become exercisable and prior to their expiration, subject to certain exceptions, provided that the last reported sales price of our Common Stock equals or exceeds $60.00 per share (as adjusted for stock splits, stock dividends, reorganizations, recapitalization and the like) for any 20 trading days within a 30 trading-day period ending on the third trading day prior to the date on which we give proper notice of such redemption to the Warrant holders and provided certain other conditions are met. For additional information on the circumstances in which the Public Warrants may be redeemed, see "Description of Securitiesâ€”Warrantsâ€”Public Stockholdersâ€™ Warrants" in our prospectus filed with the SEC on April 6, 2022. If and when the Warrants become redeemable by us, we may exercise our redemption right even if we are unable to register or qualify the underlying securities for sale under all applicable state securities laws. Redemption of the outstanding Warrants could force the Warrant holders (i) to exercise their Warrants and pay the exercise price therefor at a time when it may be disadvantageous for them to do so, (ii) to sell their Warrants at the then-current market price when they might otherwise wish to hold their Warrants or (iii) to accept the nominal redemption price which, at the time the outstanding Warrants are called for redemption, is likely to be substantially less than the market value of their Warrants. None of the Private Placement Warrants

will be redeemable by us so long as they are held by the initial purchasers or their permitted transferees, subject to certain exceptions. Warrants are exercisable for Common Stock, and their exercise would increase the number of shares eligible for future resale in the public market and result in dilution to our stockholders. As of September 30, 2024, there were 20,549,453 Warrants outstanding. Each whole Warrant entitles the holder to purchase one sixth of a share of the Companyâ€™s Common Stock at a price of $11.50 per warrant, which is equivalent to approximately 3,424,909 shares of Common Stock. The shares of Common Stock issued upon exercise of our Warrants will result in dilution to the then existing holders of Common Stock and increase the number of shares eligible for resale in the public market. Sales of substantial numbers of such shares in the public market could adversely affect the market price of our Common Stock or Public Warrants. Anti-takeover provisions contained in our Charter and Bylaws, as well as provisions of Delaware law, could impair a takeover attempt, which could limit the price investors might be willing to pay in the future for our Common Stock. Our Charter and Bylaws contain provisions that may discourage unsolicited takeover proposals that stockholders may consider to be in their best interests. We are also subject to anti-takeover provisions under Delaware law, which could delay or prevent a change of control. Together, these provisions may make more difficult the removal of management and may discourage transactions that otherwise could involve payment of a premium over prevailing market prices for our securities. These provisions include: â€¢a prohibition on stockholder action by written consent, which forces stockholder action to be taken at an annual or special meeting of our stockholders; â€¢only the board of directors (pursuant to a majority vote of the whole board), the chairperson of the board of directors, or the Chief Executive Officer may call a special meeting; â€¢stockholder vote of at least 66-2/3% required to remove a director for â€œcauseâ€; â€¢stockholder vote of at least 66-2/3% required to approve certain amendments to the Charter and Bylaws; and â€¢the designation of Delaware and federal courts as the exclusive forums for certain disputes. Our Bylaws provide that the Court of Chancery of the State of Delaware will be the sole and exclusive forum for certain stockholder litigation matters, which could limit our stockholdersâ€™ ability to obtain a favorable judicial forum for disputes with us or our directors, officers, employees or stockholders. 58 Â Our Bylaws provide, to the fullest extent permitted by law, that internal corporate claims may be brought only in the Court of Chancery in the State of Delaware (or, if the Court of Chancery does not have, or declines to accept, jurisdiction, another state court or a federal court located within the State of Delaware). In addition, our Bylaws provide that the federal district courts of the United States will be the exclusive forum for resolving any complaint asserting a cause of action arising under the Securities Act. This forum selection provision will not apply to claims brought to enforce a duty or liability created by the Exchange Act. Any person or entity purchasing or otherwise acquiring or holding any interest in our stock shall be deemed to have notice of and consented to the forum provision in our Bylaws. This choice of forum provision may limit a stockholderâ€™s ability to bring a claim in a judicial forum that it finds favorable for disputes with us or any of our directors, officers, other employees or stockholders, which may discourage lawsuits with respect to such claims. Alternatively, if a court were to find the choice of forum provision contained in our Bylaws to be inapplicable or unenforceable in an action, we may incur additional costs associated with resolving such action in other jurisdictions, which could harm our business, operating results and financial condition. For example, under the Securities Act, federal courts have concurrent jurisdiction over all suits brought to enforce any duty or liability created by the Securities Act, and investors cannot waive compliance with the federal securities laws and the rules and regulations thereunder. Accordingly, there is uncertainty as to whether a court would enforce such a forum selection provision as written in connection with claims arising under the Securities Act. The JOBS Act permits â€œemerging growth companiesâ€ like us to take advantage of certain exemptions from various reporting requirements applicable to other public companies that are not emerging growth companies. We qualify as an â€œemerging growth companyâ€ as defined in Section 2(a)(19) of the Securities Act, as modified by the JOBS Act. As such, we take advantage of certain exemptions from various reporting requirements applicable to other public companies that are not emerging growth companies for as long as we continue to be an emerging growth company, including (i) the exemption from the auditor attestation requirements with respect to internal control over financial reporting under Section 404 of the Sarbanes-Oxley Act of 2002, (ii) the exemptions from say-on-pay, say-on-frequency and say-on-golden parachute voting requirements and (iii) reduced disclosure obligations regarding executive compensation in our periodic reports and proxy statements. As a result, our stockholders may not have access to certain information they deem important. We will remain an emerging growth company until the earliest of (i) the last day of the fiscal year (a) following January 20, 2026, the fifth anniversary of Rotorâ€™s initial public offering, (b) in which we have total annual gross revenue of at least $1.235 billion or (c) in which we are deemed to be a large accelerated filer, which means the market value of our Common Stock and Public Warrants that is held by non-affiliates exceeds $700 million as of the last business day of our prior second fiscal quarter, and (ii) the date on which we have issued more than $1.0 billion in non-convertible debt during the prior three-year period. In addition, Section 107 of the JOBS Act also provides that an emerging growth company can take advantage of the exemption from complying with new or revised accounting standards provided in Section 7(a)(2)(B) of the Securities Act as long as we are an emerging growth company. An emerging growth company can therefore delay the adoption of certain accounting standards until those standards would otherwise apply to private companies. The JOBS Act provides that a company can elect to opt out of the extended transition period and comply with the requirements that apply to non-emerging growth companies, but any such election to opt out is irrevocable. We have elected to avail ourselves of such extended transition period, which means that when a standard is issued or revised and it has different application dates for public or private companies, we, as an emerging growth company, can adopt the new or revised standard at the time private companies adopt the new or revised standard. This may make comparison of our financial statements with another public company that is neither an emerging growth company nor an emerging growth company that has opted out of using the extended transition period difficult or impossible because of the potential differences in accounting standards used. Investors may find our Common Stock or Public Warrants less attractive because we rely on these exemptions and may continue to rely on them to the extent they remain available to us. If some investors find our Common Stock or Public Warrants less attractive as a result of these exemptions and reduced disclosure as an emerging growth company, there may be a less active trading market for and/or more price volatility with respect to our Common Stock or Public Warrants. 59 Â Item 2. Unregistered Sales of Equity Securities and Use of Proceeds. Â None. Item 3. Defaults Upon Senior Securities. Â Not Applicable. Item 4. Mine Safety Disclosures. Â Not applicable. Item 5. Other Information. (a) On November 13, 2024, we entered into an Open Market Sale AgreementSM (the â€œSale Agreementâ€) with Jefferies LLC (â€œJefferiesâ€) to sell shares of our Common Stock, from time to time, through an â€œat the market offeringâ€ program under which Jefferies will act as sales agent. Any shares sold pursuant to the Sale Agreement will be issued pursuant our effective shelf registration statement on Form S-3 (File No. 333-268399), filed with the Securities and Exchange Commission (the â€œSECâ€) on November 15, 2022 and declared effective on November 23, 2022, including the prospectus supplement relating to the sale of the shares dated November 13, 2024. Upon delivery of an issuance notice and subject to the terms and conditions of the Sale Agreement, Jefferies will use commercially reasonable efforts consistent with its normal sales and trading practices and applicable state and federal laws, rules and regulations and the rules of The Nasdaq Stock Market LLC to sell shares from time to time based upon our instructions, including any price, time or size limits that we specify. Under the Sale Agreement, Jefferies may sell shares in privately negotiated transactions, as block transactions or by any method deemed to be an â€œat the market offeringâ€ as defined in Rule 415(a)(4) under the Securities Act of 1933, as amended. We have agreed to pay Jefferies a commission of 3% of the aggregate gross proceeds from each sale of shares and have agreed to provide Jefferies with customary indemnification and contribution rights. We have also agreed to reimburse Jefferies for certain specified expenses. We are not obligated to sell any shares under the Sale Agreement. The offering of shares pursuant to the Sale Agreement will terminate upon the termination of the Sale Agreement by Jefferies or by us, as permitted therein. The foregoing description of the Sale Agreement is not complete and is qualified in its entirety by reference to the full text of such agreement, a copy of which is filed herewith as Exhibit 10.2 to this Quarterly Report on Form 10-Q and is incorporated herein by reference. The legal opinion of Wilson Sonsini Goodrich & Rosati, Professional Corporation, relating to the Shares being offered in connection with the November Prospectus Supplement is filed as Exhibit 5.1 to this Quarterly Report on Form 10-Q. (b) None. (c) During our last fiscal quarter, no director or officer, as defined in Rule 16a-1(f), adopted or terminated a â€œRule 10b5-1 trading arrangementâ€ or a â€œnon-Rule 10b5-1 trading arrangement,â€ each as defined in Regulation S-K Item 408. 60 Â Item 6. Exhibits. Â ExhibitNumber Description 3.1 Â Second Amended and Restated Certificate of Incorporation of the Company (incorporated by reference to Exhibit 3.1 to the Companyâ€™s Current Report on Form 8-K, filed with the SEC on September 30, 2021). 3.2 Â Certificate of Amendment of Amended and Restated Certificate of Incorporation of the Company (incorporated by reference to Exhibit 3.1 to the Companyâ€™s Current Report on Form 8-K filed with the SEC on June 20, 2023). 3.3 Â Certificate of Amendment of Amended and Restated Certificate of Incorporation of the Company (incorporated by reference to Exhibit 3.1 to the Companyâ€™s Current Report on Form 8-K filed with the SEC on March 18, 2024). 3.4 Â Amended and Restated Bylaws of the Company (incorporated by reference to Exhibit 3.2 to the Company's Current Report on Form 8-K filed with the SEC on March 18, 2024). 5.1* Â Opinion of Wilson Sonsini Goodrich & Rosati, P.C. 10.1+* Â Palladyne AI Corp. Amended and Restated 2021 Employee Stock Purchase Plan 10.2* Â Open Market Sale AgreementSM, dated November 13, 2024, by and between the Company and Jefferies LLC 23.1* Â Consent of Wilson Sonsini Goodrich & Rosati, P.C. (included in Exhibit 5.1 hereto) 31.1* Certification of Principal Executive Officer Pursuant to Rules 13a-14(a) and 15d-14(a) under the Securities Exchange Act of 1934, as Adopted Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002. 31.2* Certification of Principal Financial Officer Pursuant to Rules 13a-14(a) and 15d-14(a) under the Securities Exchange Act of 1934, as Adopted Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002. 32.1** Certification of Principal Executive Officer Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002. 32.2** Certification of Principal Financial Officer Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002. 101.INS Inline XBRL Instance Document â€“ the instance document does not appear in the Interactive Data File because XBRL tags are embedded within the Inline XBRL document. 101.SCH Â Inline XBRL Taxonomy Extension Schema With Embedded Linkbase Documents 104 Â Cover Page Interactive Data File (embedded within the Inline XBRL document) Â + Indicates management contract or compensatory plan. * Filed herewith. ** 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 Securities and Exchange Commission and are not to be incorporated by reference into any filing of Palladyne AI Corp. 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 Form 10-Q, irrespective of any general incorporation language contained in such filing. Â 61 Â SIGNATURES Pursuant 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. Â PALLADYNE AI CORP. Date: November 13, 2024 By: /s/ Benjamin G. Wolff Benjamin G. Wolff President and Chief Executive Officer (Principal Executive Officer) Â Date: November 13, 2024 By: /s/ Trevor Thatcher Trevor Thatcher Chief Financial Officer (Principal Financial and Accounting Officer) Â 62 EX-5.1 2 pdyn-ex5_1.htm EX-5.1 EX-5.1 Â Exhibit 5.1 Â Â Â Â Â Â Â Â Wilson Sonsini Goodrich & RosatiProfessional Corporation701 Fifth Avenue, Suite 5100Seattle, WA 98104-7036Â o: 206.883.2500f: 206.883.2699 Â Â Â Â Â Â Â Â Â Â November 13, 2024 Palladyne AI Corp. 650 South 500 West, Suite 150 Salt Lake City, Utah 84101 Â Re: Registration Statement on Form S-3 Â Ladies and Gentlemen: We have acted as counsel to Palladyne AI Corp., a Delaware corporation (the â€œCompanyâ€), in connection with the registration of the offer and sale of up to $18,000,000 of shares (the â€œSharesâ€) of the Companyâ€™s common stock, $0.0001 par value per share, pursuant to the Companyâ€™s Registration Statement on Form S-3 (File No. 333-268399) filed on November 15, 2022 and declared effective by the Securities and Exchange Commission (the â€œCommissionâ€) on November 23, 2022 (the â€œRegistration Statementâ€). The offering and sale of the Shares are being made pursuant to the Open Market Sale AgreementSM (the â€œSale Agreementâ€) dated as of November 13, 2024, by and between the Company and Jefferies LLC, substantially in the form filed as an exhibit to the Companyâ€™s Quarterly Report on Form 10-Q filed with the Commission on November 13, 2024 (the â€œQuarterly Reportâ€). We have examined originals or copies of the Sale Agreement, the Registration Statement, the base prospectus that forms a part thereof and the prospectus supplement thereto related to the offering of the Shares, which prospectus supplement is dated as of November 13, 2024 and has been filed by the Company in accordance with Rule 424(b) promulgated under the Securities Act of 1933, as amended (the â€œSecurities Actâ€). We have also examined instruments, documents and records which we deemed relevant and necessary for the basis of our opinion hereinafter expressed. In such examination, we have assumed (i) the authenticity of original documents and the genuineness of all signatures, (ii) the conformity to the originals of all documents submitted to us as copies, (iii) the truth, accuracy, and completeness of the information, representations and warranties contained in the records, documents, instruments and certificates we have reviewed, and (iv) the legal capacity of all natural persons. Based upon and subject to the foregoing qualifications, assumptions and limitations and the further limitations set out below, we are of the opinion that the Shares have been duly authorized by the Company and, when issued and delivered by the Company against payment therefor in accordance with the terms of and in the manner contemplated by the Sale Agreement, will be validly issued, fully paid and nonassessable. Â Â Palladyne AI Corp.November 13, 2024Â Page 2 Â We express no opinion as to the laws of any state or other jurisdiction other than the federal laws of the United States of America and the General Corporation Law of the State of Delaware (including the statutory provisions and all applicable judicial decisions interpreting those laws). We hereby consent to the use of this opinion as an exhibit to the Quarterly Report, for incorporation by reference into the Registration Statement. In giving this consent, we do not admit that we are in the category of persons whose consent is required under Section 7 of the Securities Act or the rules or regulations of the Commission thereunder. Â Â Very truly yours, /s/ Wilson Sonsini Goodrich & Rosati, P.C. WILSON SONSINI GOODRICH & ROSATI Professional Corporation Â austin beijing boston BOULDER brussels hong kong london los angeles new york palo altoSALT LAKE CITY san diego san francisco seattle shanghai washington, dc wilmington, deÂ EX-10.1 3 pdyn-ex10_1.htm EX-10.1 EX-10.1 Exhibit 10.1 Â PALLADYNE AI CORP. AMENDED AND RESTATED 2021 EMPLOYEE STOCK PURCHASE PLAN 1.Purpose. The purpose of the Plan is to provide employees of the Company and its Designated Companies with an opportunity to purchase Common Stock through accumulated Contributions. The Company intends for the Plan to have two components: a component that is intended to qualify as an â€œemployee stock purchase planâ€ under Code Section 423 (the â€œ423 Componentâ€) and a component that is not intended to qualify as an â€œemployee stock purchase planâ€ under Code Section 423 (the â€œNonâ€‘423 Componentâ€). The provisions of the 423 Component, accordingly, will be construed so as to extend and limit Plan participation in a uniform and nondiscriminatory basis consistent with the requirements of Code Section 423. In addition, this Plan authorizes the grant of an option to purchase shares of Common Stock under the Nonâ€‘423 Component that does not qualify as an â€œemployee stock purchase planâ€ under Code Section 423; an option granted under the Nonâ€‘423 Component will provide for substantially the same benefits as an option granted under the 423 Component, except that a Nonâ€‘423 Component option may include features necessary to comply with applicable nonâ€‘U.S. laws pursuant to rules, procedures or subâ€‘plans adopted by the Administrator. Except as otherwise provided herein or by the Administrator, the Nonâ€‘423 Component will operate and be administered in the same manner as the 423 Component. 2.Definitions. 2.1â€œAdministratorâ€ means the Board or any Committee designated by the Board to administer the Plan pursuant to Section 4. 2.2â€œApplicable Lawsâ€ means the legal and regulatory requirements relating to the administration of equityâ€‘based awards, including but not limited to the related issuance of shares of Common Stock, including but not limited to, under U.S. federal and state corporate laws, U.S. federal and state securities laws, the Code, any stock exchange or quotation system on which the Common Stock is listed or quoted and the applicable laws of any nonâ€‘U.S. country or jurisdiction where options are, or will be, granted under the Plan. 2.3â€œBoardâ€ means the Board of Directors of the Company. 2.4â€œChange in Controlâ€ means the occurrence of any of the following events: (a)Change in Ownership of the Company. A change in the ownership of the Company which occurs on the date that any one person, or more than one person acting as a group (â€œPersonâ€), acquires ownership of the stock of the Company that, together with the stock held by such Person, constitutes more than fifty percent (50%) of the total voting power of the stock of the Company; provided, however, that for purposes of this subsection (a), the acquisition of additional stock by any one Person, who is considered to own more than fifty percent (50%) of the total voting power of the stock of the Company will not be considered a Change in Control; provided, further, that any change in the ownership of the stock of the Company as a result of a private financing of the Company that is approved by the Board also will not be considered a Change in Control. Further, if the stockholders of the Company immediately before such change in ownership continue to retain immediately after the change in ownership, in substantially the same proportions as their ownership -1- Exhibit 10.1 of shares of the Companyâ€™s voting stock immediately prior to the change in ownership, direct or indirect beneficial ownership of fifty percent (50%) or more of the total voting power of the stock of the Company or of the ultimate parent entity of the Company, such event will not be considered a Change in Control under this subsection (a). For this purpose, indirect beneficial ownership will include, without limitation, an interest resulting from ownership of the voting securities of one or more corporations or other business entities which own the Company, as the case may be, either directly or through one or more subsidiary corporations or other business entities; or (b)Change in Effective Control of the Company. If the Company has a class of securities registered pursuant to Section 12 of the Exchange Act, a change in the effective control of the Company which occurs on the date that a majority of members of the Board is replaced during any twelve (12) month period by Directors whose appointment or election is not endorsed by a majority of the members of the Board prior to the date of the

appointment or election. For purposes of this subsection (b), if any Person is considered to be in effective control of the Company, the acquisition of additional control of the Company by the same Person will not be considered a Change in Control; or (c)Change in Ownership of a Substantial Portion of the Companyâ€™s Assets. A change in the ownership of a substantial portion of the Companyâ€™s assets which occurs on the date that any Person acquires (or has acquired during the twelve (12) month period ending on the date of the most recent acquisition by such Person or Persons) assets from the Company that have a total gross fair market value equal to or more than fifty percent (50%) of the total gross fair market value of all of the assets of the Company immediately prior to such acquisition or acquisitions; provided, however, that for purposes of this subsection (c), the following will not constitute a change in the ownership of a substantial portion of the Companyâ€™s assets: (i) a transfer to an entity that is controlled by the Companyâ€™s stockholders immediately after the transfer, or (ii) a transfer of assets by the Company to: (A) a stockholder of the Company (immediately before the asset transfer) in exchange for or with respect to the Companyâ€™s stock, (B) an entity, fifty percent (50%) or more of the total value or voting power of which is owned, directly or indirectly, by the Company, (C) a Person, that owns, directly or indirectly, fifty percent (50%) or more of the total value or voting power of all the outstanding stock of the Company, or (D) an entity, at least fifty percent (50%) of the total value or voting power of which is owned, directly or indirectly, by a Person described in this subsection (c)(ii)(C). For purposes of this subsection (c), gross fair market value means the value of the assets of the Company, or the value of the assets being disposed of, determined without regard to any liabilities associated with such assets. For purposes of this Section 2.4, persons will be considered to be acting as a group if they are owners of a corporation that enters into a merger, consolidation, purchase or acquisition of stock, or similar business transaction with the Company. Notwithstanding the foregoing, a transaction will not be deemed a Change in Control unless the transaction qualifies as a change in control event within the meaning of Section 409A. Further and for the avoidance of doubt, a transaction will not constitute a Change in Control if: (x) its sole purpose is to change the jurisdiction of the Companyâ€™s incorporation, or (y) its sole purpose is to create a holding company that will be owned in substantially the same proportions by the persons who held the Companyâ€™s securities immediately before such transaction. -2- Exhibit 10.1 2.5â€œCodeâ€ means the U.S. Internal Revenue Code of 1986, as amended. Reference to a specific section of the Code or regulation thereunder will include such section or regulation, any valid regulation or other formal guidance of general or direct applicability promulgated under such section, and any comparable provision of any future legislation or regulation amending, supplementing or superseding such section or regulation. 2.6â€œCommitteeâ€ means a committee of the Board appointed in accordance with Section 4 hereof. 2.7â€œCommon Stockâ€ means the common stock of the Company. 2.8â€œCompanyâ€ means Palladyne AI Corp., a Delaware corporation, or any successor thereto. 2.9â€œCompensationâ€ means an Eligible Employeeâ€™s base straight time gross earnings, but exclusive of payments for overtime, shift premium, commissions, incentive compensation, equity compensation, bonuses and other similar compensation. The Administrator, in its discretion, may, on a uniform and nondiscriminatory basis, establish a different definition of Compensation for a subsequent Offering Period. 2.10â€œContributionsâ€ means the payroll deductions and other additional payments that the Company may permit to be made by a Participant to fund the exercise of options granted pursuant to the Plan. 2.11â€œDesignated Companyâ€ means any Subsidiary that has been designated by the Administrator from time to time in its sole discretion as eligible to participate in the Plan. For purposes of the 423 Component, only the Company and its Subsidiaries may be Designated Companies, provided, however that at any given time, a Subsidiary that is a Designated Company under the 423 Component will not be a Designated Company under the Nonâ€‘423 Component. 2.12â€œDirectorâ€ means a member of the Board. 2.13â€œEffective Dateâ€ means the date of the consummation of the merger by and between the Company, Sarcos Corp., and certain other parties, pursuant to that certain Agreement and Plan of Merger dated April 5, 2021 (such merger, the â€œMergerâ€). 2.14â€œEligible Employeeâ€ means any individual who is a common law employee providing services to the Company or a Designated Company and is customarily employed for at least twenty (20) hours per week and more than five (5) months in any calendar year by the Employer, or any lesser number of hours per week and/or number of months in any calendar year established by the Administrator (if required under Applicable Laws) for purposes of any separate Offering or for Participants in the Nonâ€‘423 Component. For purposes of the Plan, the employment relationship will be treated as continuing intact while the individual is on sick leave or other leave of absence that the Employer approves or is legally protected under Applicable Laws with respect to the Participantâ€™s participation in the Plan. Where the period of leave exceeds three (3) months and the individualâ€™s right to reemployment is not guaranteed either by statute or by contract, the employment relationship will be deemed to have terminated three (3) months and one (1) day following the commencement of such leave. The Administrator, in its discretion, from time to time may, prior to an Enrollment Date -3- Exhibit 10.1 for all options to be granted on such Enrollment Date in an Offering, determine (for each Offering under the 423 Component, on a uniform and nondiscriminatory basis or as otherwise permitted by U.S. Treasury Regulations Section 1.423â€‘2) that the definition of Eligible Employee will or will not include an individual if he or she: (a) has not completed at least two (2) years of service since the individualâ€™s last hire date (or such lesser period of time as may be determined by the Administrator in its discretion), (b) customarily works not more than twenty (20) hours per week (or such lesser period of time as may be determined by the Administrator in its discretion), (c) customarily works not more than five (5) months per calendar year (or such lesser period of time as may be determined by the Administrator in its discretion), (d) is a highly compensated employee within the meaning of Code Section 414(q), or (e) is a highly compensated employee within the meaning of Code Section 414(q) with compensation above a certain level or is an officer or subject to the disclosure requirements of Section 16(a) of the Exchange Act, provided the exclusion is applied with respect to each Offering under the 423 Component in an identical manner to all highly compensated individuals of the Employer whose employees are participating in that Offering. Each exclusion will be applied with respect to an Offering under the 423 Component in a manner complying with U.S. Treasury Regulations Section 1.423â€‘2(e)(2)(ii). Such exclusions may be applied with respect to an Offering under the Nonâ€‘423 Component without regard to the limitations of U.S. Treasury Regulations Section 1.423â€‘2. 2.15â€œEmployerâ€ means the employer of the applicable Eligible Employee(s). 2.16â€œEnrollment Dateâ€ means the first Trading Day of each Offering Period. 2.17â€œExchange Actâ€ means the U.S. Securities Exchange Act of 1934, as amended, including the rules and regulations promulgated thereunder. 2.18â€œExercise Dateâ€ means the last Trading Day of a Purchase Period. Notwithstanding the foregoing, in the event that an Offering Period is terminated prior to its expiration pursuant to Section 18, the Administrator, in its sole discretion, may determine that any Purchase Period also terminating under such Offering Period will terminate without options being exercised on the Exercise Date(s) that otherwise would have occurred on the last Trading Day of such Purchase Period. 2.19â€œFair Market Valueâ€ means, as of any date and unless the Administrator determines otherwise, the value of Common Stock determined as follows: (a)If the Common Stock is listed on any established stock exchange or a national market system, including without limitation the New York Stock Exchange or the Nasdaq Global Select Market, the Nasdaq Global Market, or the Nasdaq Capital Market of The Nasdaq Stock Market, its Fair Market Value will be the closing sales price for such stock (or, if no closing sales price was reported on that date, as applicable, on the last Trading Day such closing sales price was reported) as quoted on such exchange or system on the date of determination, as reported in The Wall Street Journal or such other source as the Administrator deems reliable; (b)If the Common Stock is regularly quoted by a recognized securities dealer but selling prices are not reported, the Fair Market Value of a share of Common Stock will be the mean between the high bid and low asked prices for the Common Stock on the day of determination -4- Exhibit 10.1 (or if no bids and asks were reported on that date, as applicable, on the last Trading Day such bids and asks were reported), as reported in The Wall Street Journal or such other source as the Administrator deems reliable; or (c)In the absence of an established market for the Common Stock, the Fair Market Value will be determined in good faith by the Administrator. The determination of fair market value for purposes of tax withholding may be made in the Administratorâ€™s discretion subject to Applicable Laws and is not required to be consistent with the determination of Fair Market Value for other purposes. 2.20â€œFiscal Yearâ€ means the fiscal year of the Company. 2.21â€œNew Exercise Dateâ€ means a new Exercise Date if the Administrator shortens any Offering Period then in progress. 2.22â€œOfferingâ€ means an offer under the Plan of an option that may be exercised during an Offering Period as further described in Section 6. For purposes of the Plan, the Administrator may designate separate Offerings under the Plan (the terms of which need not be identical) in which Eligible Employees of one or more Employers will participate, even if the dates of the applicable Offering Periods of each such Offering are identical and the provisions of the Plan will separately apply to each Offering. To the extent permitted by U.S. Treasury Regulations Section 1.423â€‘2(a)(1), the terms of each Offering need not be identical provided that the terms of the Plan and an Offering together satisfy U.S. Treasury Regulations Section 1.423â€‘2(a)(2) and (a)(3). 2.23â€œOffering Periodâ€ means a period beginning on such date as may be determined by the Administrator, in its discretion, and ending on such Exercise Date as may be determined by the Administrator, in its discretion, during which an option granted pursuant to the Plan may be exercised. The duration and timing of Offering Periods may be changed pursuant to Sections 6 and 18. 2.24â€œParentâ€ means a â€œparent corporation,â€ whether now or hereafter existing, as defined in Code Section 424(e). 2.25â€œParticipantâ€ means an Eligible Employee that participates in the Plan. 2.26â€œPlanâ€ means this Palladyne AI Corp. 2021 Employee Stock Purchase Plan. 2.27â€œPurchase Periodâ€ means the period during an Offering Period and during which shares of Common Stock may be purchased on behalf of Participants thereunder in accordance with the terms of the Plan. Purchase Periods will have such duration as determined by the Administrator, commencing after one Exercise Date and ending with the next Exercise Date, except that the first Purchase Period of any Offering Period will commence on the Enrollment Date and end with the next Exercise Date. Unless the Administrator provides otherwise, a Purchase Period in an Offering Period will have the same duration as, and coincide with the length of, such Offering Period. 2.28â€œPurchase Priceâ€ means an amount equal to eightyâ€‘five percent (85%) of the Fair Market Value of a share of Common Stock on the Enrollment Date or on the Exercise Date, -5- Exhibit 10.1 whichever is lower; provided however, that the Purchase Price may be determined for any Offering Period by the Administrator subject to compliance with Code Section 423 (or any successor rule or provision or any other Applicable Laws, regulation or stock exchange rule) or pursuant to Section 18. 2.29â€œSection 409Aâ€ means Code Section 409A and the U.S. Treasury Regulations and guidance thereunder, and any applicable state law equivalent, as each may be promulgated, amended or modified from time to time. 2.30â€œSubsidiaryâ€ means a â€œsubsidiary corporation,â€ whether now or hereafter existing, as defined in Code Section 424(f). 2.31â€œTrading Dayâ€ means a day that the primary stock exchange, national market system, or other trading platform, as applicable, upon which the Common Stock is listed (or otherwise trades regularly, as determined by the Administrator, in its sole discretion) is open for trading. 2.32â€œU.S. Treasury Regulationsâ€ means the Treasury Regulations of the Code. Reference to a specific Treasury Regulation or Section of the Code will include such Treasury Regulation or Section, any valid regulation promulgated under such Section, and any comparable provision of any future legislation or regulation amending, supplementing or superseding such Section or regulation. 3.Stock Subject to the Plan. Subject to adjustment upon changes in capitalization of the Company as provided in Section 17 hereof, the maximum number of shares of Common Stock that will be made available for sale under the Plan will be 500,000 shares of Common Stock. The shares of Common Stock may be authorized, but unissued, or reacquired Common Stock. 4.Administration. The Plan will be administered by the Board or a Committee appointed by the Board, which Committee will be constituted to comply with Applicable Laws. The Administrator will have full and exclusive discretionary authority to (a)construe, interpret and apply the terms of the Plan, (b)delegate ministerial duties to any of the Companyâ€™s employees, (c)designate separate Offerings under the Plan, (d)designate Subsidiaries as participating in the 423 Component or Nonâ€‘423 Component, (e)determine eligibility, (f)adjudicate all disputed claims filed under the Plan, and (g)establish such procedures that it deems necessary or advisable for the administration of the Plan (including, without limitation, to adopt such procedures, subâ€‘plans, and appendices to the enrollment agreement as are necessary or appropriate to permit the participation in the Plan by employees who are foreign nationals or employed outside the U.S., the terms of which subâ€‘plans and appendices may take precedence over other provisions of this Plan, with the exception -6- Exhibit 10.1 of Section 3 hereof, but unless otherwise superseded by the terms of such subâ€‘plan or appendix, the provisions of this Plan will govern the operation of such subâ€‘plan or appendix). Unless otherwise determined by the Administrator, the Eligible Employees eligible to participate in each subâ€‘plan will participate in a separate Offering under the 423 Component, or if the terms would not qualify under the 423 Component, in the Nonâ€‘423 Component, in either case unless such designation would cause the 423 Component to violate the requirements of Code Section 423. Without limiting the generality of the foregoing, the Administrator is specifically authorized to adopt rules and procedures regarding eligibility to participate, the definition of Compensation, handling of Contributions, making of Contributions to the Plan (including, without limitation, in forms other than payroll deductions), establishment of bank or trust accounts to hold Contributions, payment of interest, conversion of local currency, obligations to pay payroll tax, determination of beneficiary designation requirements, withholding procedures and handling of stock certificates that vary with applicable local requirements. The Administrator also is authorized to determine that, to the extent permitted by U.S. Treasury Regulations Section 1.423â€‘2(f), the terms of an option granted under the Plan or an Offering to citizens or residents of a nonâ€‘U.S. jurisdiction will be less favorable than the terms of options granted under the Plan or the same Offering to employees resident solely in the U.S. Every finding, decision and determination made by the Administrator will, to the full extent permitted by law, be final and binding upon all parties. 5.Eligibility. 5.1Offering Periods. Any Eligible Employee on a given Enrollment Date will be eligible to participate in the Plan, subject to the requirements of Section 7. 5.2Nonâ€‘U.S. Employees. Eligible Employees who are citizens or residents of a nonâ€‘U.S. jurisdiction (without regard to whether they also are citizens or residents of the United States or resident aliens (within the meaning of Code Section 7701(b)(1)(A))) may be excluded from participation in the Plan or an Offering if the participation of such Eligible Employees is prohibited under the laws of the applicable jurisdiction or if complying with the laws of the applicable jurisdiction would cause the Plan or an Offering to violate Code Section 423. In the case of the Nonâ€‘423 Component, an Eligible Employee may be excluded from participation in the Plan or an Offering if the Administrator has determined that participation of such Eligible Employee is not advisable or practicable. 5.3Limitations. Any provisions of the Plan to the contrary notwithstanding, no Eligible Employee will be granted an option under the Plan (a) to the extent that, immediately after the grant, such Eligible Employee (or any other person whose stock would be attributed to such Eligible Employee pursuant to Code Section 424(d)) would own capital stock of the Company or any Parent or Subsidiary of the Company and/or hold outstanding options to purchase such stock possessing five percent (5%) or more of the total combined voting power or value of all classes of the capital stock of the Company or of any Parent or Subsidiary of the Company, or (b) to the extent that the Participantâ€™s rights to purchase stock under all employee stock purchase plans (as defined in Code Section 423) of the Company or any Parent or Subsidiary of the Company accrues at a rate, which exceeds twentyâ€‘five thousand dollars ($25,000) worth of stock (determined at the Fair Market Value of the stock at the time such option is granted) for each calendar year in which such option is -7- Exhibit 10.1 outstanding at any time, as determined in accordance with Code Section 423 and the regulations thereunder. 6.Offering Periods. The Plan will be implemented by Offering Periods as established by the Administrator from time to time. Offering Periods will expire on the earliest to occur of (a) the completion of the purchase of shares on the last Exercise Date occurring within twentyâ€‘seven (27) months of the applicable Enrollment Date on which the option to purchase shares was granted under the Plan, or (b) such shorter period established prior to the Enrollment Date of the Offering Period by the Administrator, from time to time, in its discretion, on a uniform and nondiscriminatory basis, for all options to be granted on such Enrollment Date. The Administrator will have the power to change the duration of Offering Periods (including the commencement dates thereof) with respect to future Offerings without stockholder approval if such change is announced prior to the scheduled beginning of the first Offering Period to be affected thereafter; provided, however, that no Offering Period may last more than twentyâ€‘seven (27) months. 7.Participation. An Eligible Employee may participate in the Plan pursuant to Section 5.1 by (a) submitting to the Companyâ€™s stock administration office (or its designee), a properly completed subscription agreement authorizing Contributions in the form provided by the Administrator for such purpose (which may be similar to the form attached hereto as Exhibit A), or (b) following an electronic or other enrollment procedure determined by the Administrator, in either case, on or before a date determined by the Administrator prior to an applicable Enrollment Date. 8.Contributions. 8.1Contribution Amounts. At the time a Participant enrolls in the Plan pursuant to Section 7, he or she will elect to have Contributions (in the form of payroll deductions or otherwise, to the extent permitted by the Administrator) made on each pay day during the Offering Period in an amount not exceeding fifteen percent (15%) of the Compensation, which he or she receives on each pay day during the Offering Period; provided, however, that unless and until determined otherwise by the Administrator, should a pay day occur on an Exercise Date, a Participant will have any Contributions made on such day applied to the Participantâ€™s account under the then-current Purchase Period or Offering Period (i.e., for which the Exercise Date occurs on such day). 8.2Contribution Methods. The Administrator, in its sole discretion, may permit all Participants in a specified Offering to contribute amounts to the Plan through payment by cash, check or other means set forth in the subscription agreement prior to each Exercise Date of each Offering Period. A Participantâ€™s subscription agreement will remain in effect for successive Offering Periods unless terminated as provided in Section 12 hereof (or Participantâ€™s participation is terminated as provided in Section 13 hereof). (a)In the event Contributions are made in the form of payroll deductions, such payroll deductions for a Participant will commence on the first pay day following the Enrollment Date and will end on the last pay day on or prior to the last Exercise Date of such Offering Period to which such authorization is applicable, unless sooner terminated by the

Participant as provided in Section 12 hereof (or Participantâ€™s participation is terminated as provided in Section 13 hereof). -8- Exhibit 10.1 (b)All Contributions made for a Participant will be credited to the Participantâ€™s account under the Plan and Contributions will be made in whole percentages of the Participantâ€™s Compensation only. A Participant may not make any additional payments into such account. 8.3Participant Changes to Contributions. A Participant may discontinue the Participantâ€™s participation in the Plan as provided under Section 12. Until and unless determined otherwise by the Administrator, in its sole discretion, during any Offering Period, a Participant may not increase the rate of such Participantâ€™s Contributions and may decrease the rate of such Participantâ€™s Contributions only one (1) time, provided that such decrease is to a Contribution rate of zero percent (0%). In addition, until and unless determined otherwise by the Administrator, in its sole discretion, during any Offering Period, a Participant may increase or decrease the rate of such Participantâ€™s Contributions (as a whole percent to a rate between zero percent (0%) and the maximum percentage specified in Section 8.1), which Contribution rate adjustment will become effective upon the commencement of the next Offering Period and remain in effect for subsequent Offering Periods and, except as set forth in the immediately preceding sentence, any such adjustment will not affect the Contribution rate for any ongoing Offering Period. (a)A Participant may make a Contribution rate adjustment pursuant to this Section 8.3 by (A) properly completing and submitting to the Companyâ€™s stock administration office (or its designee), a new subscription agreement authorizing the change in Contribution rate in the form provided by the Administrator for such purpose, or (B) following an electronic or other procedure prescribed by the Administrator, in either case, on or before a date determined by the Administrator prior to (x) the scheduled beginning of the first Offering Period to be affected or (y) an applicable Exercise Date, as applicable. If a Participant has not followed such procedures to change the rate of Contributions, the rate of such Participantâ€™s Contributions will continue at the originally elected rate throughout the Offering Period and future Offering Periods (unless the Participantâ€™s participation is terminated as provided in Sections 12 or 13). (b)The Administrator may, in its sole discretion, limit or amend the nature and/or number of Contribution rate changes (including to permit, prohibit and/or limit increases and/or decreases to rate changes) that may be made by Participants during any Purchase Period or Offering Period, and may establish such other conditions or limitations as it deems appropriate for Plan administration. (c)Except as provided by this Section 8.3, any change in Contribution rate made pursuant to this Section 8.3 will be effective as of the first full payroll period following five (5) business days after the date on which the change is made by the Participant (unless the Administrator, in its sole discretion, elects to process a given change in Contribution rate earlier). 8.4Other Contribution Changes. Notwithstanding the foregoing, to the extent necessary to comply with Code Section 423(b)(8) and Section 5.3 hereof (which generally limit participation in an Offering Period pursuant to certain Applicable Laws), a Participantâ€™s Contributions may be decreased to zero percent (0%) by the Administrator at any time during an Offering Period (or a Purchase Period, as applicable). Subject to Code Section 423(b)(8) and Section 5.3 hereof, Contributions will recommence at the rate originally elected by the Participant effective as of the beginning of the first Offering Period (or Purchase Period, as applicable) scheduled to end in the -9- Exhibit 10.1 following calendar year, unless the Participantâ€™s participation has terminated as provided in Sections 12 or 13. 8.5Cash Contributions. Notwithstanding any provisions to the contrary in the Plan, the Administrator may allow Participants to participate in the Plan via cash contributions instead of payroll deductions if (a) payroll deductions are not permitted or advisable under Applicable Laws, (b) the Administrator determines that cash contributions are permissible for Participants participating in the 423 Component and/or (c) the Participants are participating in the Nonâ€‘423 Component. 8.6Tax Withholdings. At the time the option is exercised, in whole or in part, or at the time some or all of the Common Stock issued under the Plan is disposed of (or at any other time that a taxable event related to the Plan occurs), the Participant must make adequate provision for the Companyâ€™s or Employerâ€™s federal, state, local or any other tax liability payable to any authority including taxes imposed by jurisdictions outside of the U.S., national insurance, social security or other tax withholding or payment on account obligations, if any, which arise upon the exercise of the option or the disposition of the Common Stock (or any other time that a taxable event related to the Plan occurs). At any time, the Company or the Employer may, but will not be obligated to, withhold from the Participantâ€™s compensation the amount necessary for the Company or the Employer to meet applicable withholding obligations, including any withholding required to make available to the Company or the Employer any tax deductions or benefits attributable to the sale or early disposition of Common Stock by the Eligible Employee. In addition, the Company or the Employer may, but will not be obligated to, withhold from the proceeds of the sale of Common Stock or use any other method of withholding the Company or the Employer deems appropriate to the extent permitted by U.S. Treasury Regulations Section 1.423â€‘2(f). 8.7Use of Funds. The Company may use all Contributions received or held by it under the Plan for any corporate purpose, and the Company will not be obligated to segregate such Contributions except under Offerings or for Participants in the Nonâ€‘423 Component for which Applicable Laws require that Contributions to the Plan by Participants be segregated from the Companyâ€™s general corporate funds and/or deposited with an independent third party, provided that, if such segregation or deposit with an independent third party is required by Applicable Laws, it will apply to all Participants in the relevant Offering under the 423 Component, except to the extent otherwise permitted by U.S. Treasury Regulations Section 1.423â€‘2(f). Until shares of Common Stock are issued, Participants will have only the rights of an unsecured creditor with respect to such shares. 9.Grant of Option. On the Enrollment Date of each Offering Period, each Eligible Employee participating in such Offering Period will be granted an option to purchase on each Exercise Date during such Offering Period (at the applicable Purchase Price) up to a number of shares of Common Stock determined by dividing such Eligible Employeeâ€™s Contributions accumulated prior to such Exercise Date and retained in the Eligible Employeeâ€™s account as of the Exercise Date by the applicable Purchase Price. 9.1Certain Option Limits. In no event will an Eligible Employee be permitted to purchase during each Purchase Period more than 500 shares of Common Stock (subject to any adjustment pursuant to Section 17), and provided further that such purchase will be subject to the limitations set forth in Sections 3 and 5.3 and in the subscription agreement. The Administrator, in its -10- Exhibit 10.1 absolute discretion, may increase or decrease the maximum number of shares of Common Stock that an Eligible Employee may purchase during each Purchase Period or Offering Period, as applicable. 9.2Option Receipt. The Eligible Employee may accept the grant of an option under the Plan by electing to participate in the Plan in accordance with the requirements of Section 7. 9.3Option Term. Exercise of the option will occur as provided in Section 10, unless the Participantâ€™s participation has terminated pursuant to Sections 12 or 13. The option will expire on the last day of the Offering Period. 10.Exercise of Option. 10.1Automatic Exercise. Unless a Participantâ€™s participation in the Plan has terminated as provided in Sections 12 and 13, such Participantâ€™s option for the purchase of shares of Common Stock will be exercised automatically on the Exercise Date, and the maximum number of full shares of Common Stock subject to the option will be purchased for such Participant at the applicable Purchase Price with the accumulated Contributions from such Participantâ€™s account. No fractional shares of Common Stock will be purchased; any Contributions accumulated in a Participantâ€™s account, which are not sufficient to purchase a full share will be retained in the Participantâ€™s account for the subsequent Purchase Period or Offering Period, as applicable, subject to earlier termination of the Participantâ€™s participation in the Plan as provided in Sections 12 or 13. Any other funds left over in a Participantâ€™s account after the Exercise Date will be returned to the Participant. During a Participantâ€™s lifetime, a Participantâ€™s option to purchase shares of Common Stock hereunder is exercisable only by him or her. 10.2Pro Rata Allocations. If the Administrator determines that, on a given Exercise Date, the number of shares of Common Stock with respect to which options are to be exercised may exceed (a) the number of shares of Common Stock that were available for sale under the Plan on the Enrollment Date of the applicable Offering Period, or (b) the number of shares of Common Stock available for sale under the Plan on such Exercise Date, the Administrator may in its sole discretion (x) provide that the Company will make a pro rata allocation of the shares of Common Stock available for purchase on such Enrollment Date or Exercise Date, as applicable, in as uniform a manner as will be practicable and as it will determine in its sole discretion to be equitable among all Participants exercising options to purchase Common Stock on such Exercise Date, and continue all Offering Periods then in effect or (y) provide that the Company will make a pro rata allocation of the shares of Common Stock available for purchase on such Enrollment Date or Exercise Date, as applicable, in as uniform a manner as will be practicable and as it will determine in its sole discretion to be equitable among all participants exercising options to purchase Common Stock on such Exercise Date, and terminate any or all Offering Periods then in effect pursuant to Section 18. The Company may make a pro rata allocation of the shares of Common Stock available on the Enrollment Date of any applicable Offering Period pursuant to the preceding sentence, notwithstanding any authorization of additional shares of Common Stock for issuance under the Plan by the Companyâ€™s stockholders subsequent to such Enrollment Date. 11.Delivery. As soon as reasonably practicable after each Exercise Date on which a purchase of shares of Common Stock occurs, the Company will arrange the delivery to each Participant of the shares of Common Stock purchased upon exercise of such Participantâ€™s option in a form -11- Exhibit 10.1 determined by the Administrator (in its sole discretion) and pursuant to rules established by the Administrator. The Company may permit or require that shares of Common Stock be deposited directly with a broker designated by the Company or with a trustee or designated agent of the Company, and the Company may utilize electronic or automated methods of share transfer. The Company may require that shares of Common Stock be retained with such broker, trustee or agent for a designated period of time and/or may establish other procedures to permit tracking of disqualifying dispositions or other dispositions of such shares. No Participant will have any voting, dividend, or other stockholder rights with respect to shares of Common Stock subject to any option granted under the Plan until such shares have been purchased and delivered to the Participant as provided in this Section 11. 12.Withdrawal. 12.1Withdrawal Procedures. A Participant may withdraw all but not less than all the Contributions credited to such Participantâ€™s account and not yet used to exercise such Participantâ€™s option under the Plan at any time by (a) submitting to the Companyâ€™s stock administration office (or its designee) a written notice of withdrawal in the form determined by the Administrator for such purpose (which may be similar to the form attached hereto as Exhibit B), or (b) following an electronic or other withdrawal procedure determined by the Administrator. The Administrator may set forth a deadline of when a withdrawal must occur to be effective prior to a given Exercise Date in accordance with policies it may approve from time to time. All of the Participantâ€™s Contributions credited to such Participantâ€™s account will be paid to such Participant as soon as administratively practicable after receipt of notice of withdrawal and such Participantâ€™s option for the Offering Period will be automatically terminated, and no further Contributions for the purchase of shares of Common Stock will be made for such Offering Period. If a Participant withdraws from an Offering Period, Contributions will not resume at the beginning of the succeeding Offering Period, unless the Participant reâ€‘enrolls in the Plan in accordance with the provisions of Section 7. 12.2No Effect on Future Participation. A Participantâ€™s withdrawal from an Offering Period will not have any effect upon such Participantâ€™s eligibility to participate in any similar plan that may hereafter be adopted by the Company or in succeeding Offering Periods that commence after the termination of the Offering Period from which the Participant withdraws. 13.Termination of Employment. Upon a Participantâ€™s ceasing to be an Eligible Employee, for any reason, he or she will be deemed to have elected to withdraw from the Plan and the Contributions credited to such Participantâ€™s account during the Offering Period but not yet used to purchase shares of Common Stock under the Plan will be returned to such Participant, or, in the case of such Participantâ€™s death, to the person or persons entitled thereto, and such Participantâ€™s option will be automatically terminated. Unless determined otherwise by the Administrator in a manner that, with respect to an Offering under the 423 Component, is permitted by, and compliant with, Code Section 423, a Participant whose employment transfers between entities through a termination with an immediate rehire (with no break in service) by the Company or a Designated Company will not be treated as terminated under the Plan; however, if a Participant transfers from an Offering under the 423 Component to the Nonâ€‘423 Component, the exercise of the option will be qualified under the 423 Component only to the extent it complies with Code Section 423; further, no Participant will be deemed to switch from an Offering under the Nonâ€‘423 Component to an Offering under the 423 -12- Exhibit 10.1 Component or vice versa unless (and then only to the extent) such switch would not cause the 423 Component or any option thereunder to fail to comply with Code Section 423. 14.Section 409A. The Plan is intended to be exempt from the application of Section 409A, and, to the extent not exempt, is intended to comply with Section 409A and any ambiguities herein will be interpreted to so be exempt from, or comply with, Section 409A. In furtherance of the foregoing and notwithstanding any provision in the Plan to the contrary, if the Administrator determines that an option granted under the Plan may be subject to Section 409A or that any provision in the Plan would cause an option under the Plan to be subject to Section 409A, the Administrator may amend the terms of the Plan and/or of an outstanding option granted under the Plan, or take such other action the Administrator determines is necessary or appropriate, in each case, without the Participantâ€™s consent, to exempt any outstanding option or future option that may be granted under the Plan from or to allow any such options to comply with Section 409A, but only to the extent any such amendments or action by the Administrator would not violate Section 409A. Notwithstanding the foregoing, the Company and any of its Parent or Subsidiaries will have no liability, obligation or responsibility to reimburse, indemnify, or hold harmless a Participant or any other party if the option to purchase Common Stock under the Plan that is intended to be exempt from or compliant with Section 409A is not so exempt or compliant or for any action taken by the Administrator with respect thereto. The Company makes no representation that the option to purchase Common Stock under the Plan is compliant with Section 409A. 15.Rights as Stockholder. Until the shares of Common Stock are issued (as evidenced by the appropriate entry on the books of the Company or of a duly authorized transfer agent of the Company), a Participant will have only the rights of an unsecured creditor with respect to such shares, and no right to vote or receive dividends or any other rights as a stockholder will exist with respect to such shares. Shares of Common Stock to be delivered to a Participant under the Plan will be registered in the name of the Participant or, if so required under Applicable Laws, in the name of the Participant and such Participantâ€™s spouse. 16.Transferability. Neither Contributions credited to a Participantâ€™s account nor any rights with regard to the exercise of an option or to receive shares of Common Stock under the Plan may be assigned, transferred, pledged or otherwise disposed of in any way (other than by will or the laws of descent and distribution) by the Participant. Any such attempt at assignment, transfer, pledge or other disposition will be without effect, except that the Company may treat such act as an election to withdraw funds from an Offering Period in accordance with Section 12 hereof. 17.Adjustments, Dissolution, Liquidation, Merger or Change in Control. 17.1Adjustments. In the event that any dividend or other distribution (whether in the form of cash, Common Stock, other securities, or other property), recapitalization, stock split, reverse stock split, reorganization, merger, consolidation, splitâ€‘up, spinâ€‘off, combination, reclassification, repurchase, or exchange of Common Stock or other securities of the Company, or other change in the corporate structure of the Company affecting the Common Stock occurs (other than any ordinary dividends or other ordinary distributions), the Administrator, in order to prevent diminution or enlargement of the benefits or potential benefits intended to be made available under the Plan, will adjust the number and class of common stock that may be delivered under the Plan, the -13- Exhibit 10.1 Purchase Price per share, the class and the number of shares of common stock covered by each option under the Plan that has not yet been exercised, and the numerical share limits of Sections 3 and 9.1. 17.2Dissolution or Liquidation. In the event of the proposed dissolution or liquidation of the Company, any Offering Period then in progress will be shortened by setting a New Exercise Date, and will terminate immediately prior to the consummation of such proposed dissolution or liquidation, unless provided otherwise by the Administrator. The New Exercise Date will be before the date of the Companyâ€™s proposed dissolution or liquidation. The Administrator will notify each Participant in writing or electronically, prior to the New Exercise Date, that the Exercise Date for the Participantâ€™s option has been changed to the New Exercise Date and that the Participantâ€™s option will be exercised automatically on the New Exercise Date, unless prior to such date the Participant has withdrawn from the Offering Period as provided in Section 12 hereof (or, prior to such New Exercise Date, Participantâ€™s participation has terminated as provided in Section 13 hereof). 17.3Merger or Change in Control. In the event of a merger of the Company with or into another corporation or other entity or Change in Control, each outstanding option will be assumed or an equivalent option substituted by the successor corporation or a Parent or Subsidiary of the successor corporation. In the event that the successor corporation refuses to assume or substitute for the option, the Offering Period with respect to which such option relates will be shortened by setting a New Exercise Date on which such Offering Period will end. The New Exercise Date will occur before the date of the Companyâ€™s proposed merger or Change in Control. The Administrator will notify each Participant in writing or electronically prior to the New Exercise Date, that the Exercise Date for the Participantâ€™s option has been changed to the New Exercise Date and that the Participantâ€™s option will be exercised automatically on the New Exercise Date, unless prior to such date the Participant has withdrawn from the Offering Period as provided in Section 12 hereof (or, prior to such New Exercise Date, Participantâ€™s participation has terminated as provided in Section 13 hereof). 18.Amendment or Termination. 18.1Amendment, Suspension, Termination. The Administrator, in its sole discretion, may amend, alter, suspend, or terminate the Plan, or any part thereof, at any time and for any reason. If the Plan is terminated, the Administrator, in its discretion, may elect to terminate all outstanding Offering Periods either immediately or upon completion of the purchase of shares of Common Stock on the next Exercise Date (which may be sooner than originally scheduled, if determined by the Administrator in its discretion), or may elect to permit Offering Periods to expire in accordance with their terms (and subject to any adjustment pursuant to Section 17). If the Offering Periods are terminated prior to expiration, all amounts then credited to Participantsâ€™ accounts that have not been used to purchase shares of Common Stock will be returned to the Participants (without interest thereon, except as otherwise required under Applicable Laws, as further set forth in Section 22 hereof) as soon as administratively practicable. 18.2Certain Administrator Changes. Without stockholder consent

and without limiting Section 18.1, the Administrator will be entitled to change the Offering Periods and any Purchase Periods, designate separate Offerings, limit the frequency and/or number of changes in the amount withheld during an Offering Period, establish the exchange rate applicable to amounts withheld in a currency other than U.S. dollars, permit Contributions in excess of the amount designated -14- Exhibit 10.1 by a Participant in order to adjust for delays or mistakes in the Companyâ€™s processing of properly completed Contribution elections, establish reasonable waiting and adjustment periods and/or accounting and crediting procedures to ensure that amounts applied toward the purchase of Common Stock for each Participant properly correspond with Contribution amounts, and establish such other limitations or procedures as the Administrator determines in its sole discretion advisable that are consistent with the Plan. 18.3Changes Due to Accounting Consequences. In the event the Administrator determines that the ongoing operation of the Plan may result in unfavorable financial accounting consequences, the Administrator may, in its discretion and, to the extent necessary or desirable, modify, amend or terminate the Plan to reduce or eliminate such accounting consequence including, but not limited to: (a)amending the Plan to conform with the safe harbor definition under the Financial Accounting Standards Board Accounting Standards Codification Topic 718 (or any successor thereto), including with respect to an Offering Period underway at the time; (b)altering the Purchase Price for any Purchase Period or Offering Period including a Purchase Period or Offering Period underway at the time of the change in Purchase Price; (c)shortening any Purchase Period or Offering Period by setting a New Exercise Date, including a Purchase Period or Offering Period underway at the time of the Administrator action; (d)reducing the maximum percentage of Compensation a Participant may elect to set aside as Contributions; and (e)reducing the maximum number of shares of Common Stock a Participant may purchase during any Purchase Period or Offering Period. Such modifications or amendments will not require stockholder approval or the consent of any Plan Participants. 19.Conditions Upon Issuance of Shares. 19.1Legal Compliance. Shares of Common Stock will not be issued with respect to an option unless the exercise of such option and the issuance and delivery of such shares pursuant thereto will comply with Applicable Laws and will be further subject to the approval of counsel for the Company with respect to such compliance. 19.2Investment Representations. As a condition to the exercise of an option, the Company may require the person exercising such option to represent and warrant at the time of any such exercise that the shares are being purchased only for investment and without any present intention to sell or distribute such shares if, in the opinion of counsel for the Company, such a representation is required. 20.Term of Plan. The Plan became effective on September 24, 2021. The Plan will continue in effect for a term of twenty (20) years, unless sooner terminated under Section 18. -15- Exhibit 10.1 21.Stockholder Approval. The Plan will be subject to approval by the stockholders of the Company within twelve (12) months after the date the Plan is adopted by the Board. Such stockholder approval will be obtained in the manner and to the degree required under Applicable Laws. 22.Interest. No interest will accrue on the Contributions of a participant in the Plan, except as may be required by Applicable Laws, as determined by the Company, and if so required by the laws of a particular jurisdiction, will apply, with respect to Offerings under the 423 Component, to all Participants in the relevant Offering, except to the extent otherwise permitted by U.S. Treasury Regulations Section 1.423â€‘2(f). 23.No Effect on Employment. Neither the Plan nor any option under the Plan will confer upon any Participant any right with respect to continuing the Participantâ€™s employment with the Company or its Subsidiaries or Parents, as applicable, nor will they interfere in any way with the Participantâ€™s right or the right of the Company and its Subsidiaries or Parents, as applicable, to terminate such employment relationship at any time, free from any liability or any claim under the Plan. 24.Reports. Individual accounts will be maintained for each Participant in the Plan. Statements of account will be given to participating Eligible Employees at least annually, which statements will set forth the amounts of Contributions, the Purchase Price, the number of shares of Common Stock purchased and the remaining cash balance, if any. 25.Notices. All notices or other communications by a Participant to the Company under or in connection with the Plan will be deemed to have been duly given when received in the form and manner specified by the Company at the location, or by the person, designated by the Company for the receipt thereof. 26.Legal Construction. 26.1Severability. If any provision of the Plan is or becomes or is deemed to be invalid, illegal, or unenforceable for any reason in any jurisdiction or as to any Participant, such invalidity, illegality, or unenforceability will not affect the remaining parts of the Plan, and the Plan will be construed and enforced as to such jurisdiction or Participant as if the invalid, illegal, or unenforceable provision had not been included. 26.2Governing Law. The Plan will be governed by, and construed in accordance with, the laws of the State of Delaware, but without regard to its conflict of law provisions. 26.3Headings. Headings are provided herein for convenience only, and will not serve as a basis for interpretation of the Plan. 27.Compliance with Applicable Laws. The terms of this Plan are intended to comply with all Applicable Laws and will be construed accordingly. 28.Automatic Transfer to Low Price Offering Period. Unless determined otherwise by the Administrator, this Section 28 applies to an Offering Period to the extent such Offering Period provides for more than one (1) Exercise Date within such Offering Period. To the extent permitted by Applicable Laws, if the Fair Market Value of a share of Common Stock on any Exercise Date in an -16- Exhibit 10.1 Offering Period is less than the Fair Market Value of a share of Common Stock on the Enrollment Date of such Offering Period, then all Participants in such Offering Period will be withdrawn automatically from such Offering Period immediately after the exercise of their option on such Exercise Date and automatically reâ€‘enrolled in the immediately following Offering Period as of the first day thereof. * * * -17- Exhibit 10.1 EXHIBIT A Â PALLADYNE AI CORP. 2021 EMPLOYEE STOCK PURCHASE PLAN SUBSCRIPTION AGREEMENT _____ Original Application Offering Date: _____ _____ Change in Payroll Deduction Rate 1._____ hereby elects to participate in the Palladyne AI Corp. 2021 Employee Stock Purchase Plan (the â€œPlanâ€) and subscribes to purchase shares of the Companyâ€™s Common Stock in accordance with this Subscription Agreement and the Plan. Any capitalized terms not specifically defined in this Subscription Agreement will have the meaning ascribed to them under the Plan. 2.I hereby authorize and consent to payroll deductions from each paycheck in the amount of ____% of my Compensation on each payday (from 0% to 15%) during the Offering Period in accordance with the Plan. (Please note that no fractional percentages are permitted.) [I understand that only my first, one election to decrease the rate of my payroll deductions may be applied with respect to an ongoing Offering Period in accordance with the terms of the Plan, and any subsequent election to decrease the rate of my payroll deductions during the same Offering Period, and any election to increase the rate of my payroll deductions during any Offering Period, will not be applied to the ongoing Offering Period.] 3.I understand that said payroll deductions will be accumulated for the purchase of shares of Common Stock at the applicable Purchase Price determined in accordance with the Plan. I understand that if I do not withdraw from an Offering Period, any accumulated payroll deductions will be used to automatically exercise my option and purchase Common Stock under the Plan. I further understand that if I am outside of the U.S., my payroll deductions will be converted to U.S. dollars at an exchange rate selected by the Company on the purchase date. 4.I have received a copy of the complete Plan and its accompanying prospectus. I understand that my participation in the Plan is in all respects subject to the terms of the Plan. 5.Shares of Common Stock purchased for me under the Plan should be issued in the name(s) of _____ (Eligible Employee or Eligible Employee and spouse only). 6.If I am a U.S. taxpayer, I understand that if I dispose of any shares received by me pursuant to the Plan within two (2) years after the Offering Date (the first day of the Offering Period during which I purchased such shares) or one (1) year after the Exercise Date, I will be treated for federal income tax purposes as having received ordinary income at the time of such disposition in an -1- Exhibit 10.1 amount equal to the excess of the fair market value of the shares at the time such shares were purchased by me over the price that I paid for the shares. I hereby agree to notify the Company in writing within thirty (30) days after the date of any disposition of my shares and I will make adequate provision for federal, state or other tax withholding obligations, if any, which arise upon the disposition of the Common Stock. The Company may, but will not be obligated to, withhold from my compensation the amount necessary to meet any applicable withholding obligation including any withholding necessary to make available to the Company any tax deductions or benefits attributable to sale or early disposition of Common Stock by me. If I dispose of such shares at any time after the expiration of the two (2) year and one (1) year holding periods, I understand that I will be treated for federal income tax purposes as having received income only at the time of such disposition, and that such income will be taxed as ordinary income only to the extent of an amount equal to the lesser of (a) the excess of the fair market value of the shares at the time of such disposition over the purchase price which I paid for the shares, or (b) fifteen percent (15%) of the fair market value of the shares on the first day of the Offering Period. The remainder of the gain, if any, recognized on such disposition will be taxed as capital gain. 7.For employees that may be subject to tax in non U.S. jurisdictions, I acknowledge and agree that, regardless of any action taken by the Company or any Designated Company with respect to any or all income tax, social security, social insurances, National Insurance Contributions, payroll tax, fringe benefit, or other taxâ€‘related items related to my participation in the Plan and legally applicable to me including, without limitation, in connection with the grant of such options, the purchase or sale of shares of Common Stock acquired under the Plan and/or the receipt of any dividends on such shares (â€œTaxâ€‘Related Itemsâ€), the ultimate liability for all Taxâ€‘Related Items is and remains my responsibility and may exceed the amount actually withheld by the Company or a Designated Company. Furthermore, I acknowledge that the Company and/or any Designated Company (a) make no representations or undertakings regarding the treatment of any Taxâ€‘Related Items in connection with any aspect of the options under the Plan and (b) do not commit to and are under no obligation to structure the terms of the grant of options or any aspect of my participation in the Plan to reduce or eliminate my liability for Taxâ€‘Related Items or achieve any particular tax result. Further, if I have become subject to tax in more than one jurisdiction between the date of my enrollment and the date of any relevant taxable or tax withholding event, as applicable, I acknowledge that the Company and/or the Employer (or former employer, as applicable) may be required to withhold or account for Taxâ€‘Related Items in more than one jurisdiction. Prior to the purchase of shares of Common Stock under the Plan or any other relevant taxable or tax withholding event, as applicable, I agree to make adequate arrangements satisfactory to the Company and/or the applicable Designated Company to satisfy all Taxâ€‘Related Items. In this regard, I authorize the Company and/or the applicable Designated Company, or their respective agents, at their discretion, to satisfy any applicable withholding obligations with regard to all Taxâ€‘Related Items by one or a combination of the following: (a) withholding from my wages or Compensation paid to me by the Company and/or the applicable Designated Company; or (b) withholding from proceeds of the sale of the shares of Common Stock purchased under the Plan either through a voluntary sale or through a mandatory sale arranged by the Company (on my behalf pursuant to this authorization). Depending on the withholding method, the Company may withhold or account for Taxâ€‘Related Items -2- Exhibit 10.1 by considering applicable maximum withholding rates, in which case I will receive a refund of any overâ€‘withheld amount in cash and will have no entitlement to the Common Stock equivalent. Finally, I agree to pay to the Company or the applicable Designated Company any amount of Taxâ€‘Related Items that the Company or the applicable Designated Company may be required to withhold as a result of my participation in the Plan that cannot be satisfied by the means previously described. The Company may refuse to purchase shares of Common Stock under the Plan on my behalf and/or refuse to issue or deliver the shares or the proceeds of the sale of shares if I fail to comply with my obligations in connection with the Taxâ€‘Related Items. 8.By electing to participate in the Plan, I acknowledge, understand and agree that: (a)the Plan is established voluntarily by the Company, it is discretionary in nature and it may be modified, amended, suspended or terminated by the Company at any time, to the extent provided for in the Plan; (b)all decisions with respect to future grants under the Plan, if applicable, will be at the sole discretion of the Company; (c)the grant of options under the Plan will not create a right to employment or be interpreted as forming or amending an employment or service contract with the Company, or any Designated Company, and will not interfere with the ability of the Company or any Designated Company, as applicable, to terminate my employment (if any); (d)I am voluntarily participating in the Plan; (e)the options granted under the Plan and the shares of Common Stock underlying such options, and the income and value of same, are not intended to replace any pension rights or compensation; (f)the options granted under the Plan and the shares of Common Stock underlying such options, and the income and value of same, are not part of my normal or expected compensation for any purpose, including, but not limited to, calculating any severance, resignation, termination, redundancy, dismissal, endâ€‘ofâ€‘service payments, bonuses, longâ€‘service awards, pension or retirement benefits or similar payments; (g)the future value of the shares of Common Stock offered under the Plan is unknown, indeterminable and cannot be predicted with certainty; (h)the shares of Common Stock that I acquire under the Plan may increase or decrease in value, even below the Purchase Price; (i)no claim or entitlement to compensation or damages will arise from the forfeiture of options granted to me under the Plan as a result of the termination of my status as an Eligible Employee (for any reason whatsoever, and whether or not later found to be invalid or in -3- Exhibit 10.1 breach of employment laws in the jurisdiction where I am employed or the terms of my employment agreement, if any) and, in consideration of the grant of options under the Plan to which I am otherwise not entitled, I irrevocably agree never to institute a claim against the Company, or any Designated Company, waive my ability, if any, to bring such claim, and release the Company, and any Designated Company from any such claim that may arise; if, notwithstanding the foregoing, any such claim is allowed by a court of competent jurisdiction, I will be deemed irrevocably to have agreed to not to pursue such claim and agree to execute any and all documents necessary to request dismissal or withdrawal of such claim; and (j)in the event of the termination of my status as an Eligible Employee (for any reason whatsoever, whether or not later found to be invalid or in breach of employment laws in the jurisdiction where I am employed or the terms of my employment agreement, if any), my right to participate in the Plan and any options granted to me under the Plan, if any, will terminate effective as of the date that I am no longer actively employed by the Company or one of its Designated Companies and, in any event, will not be extended by any notice period mandated under the employment laws in the jurisdiction in which I am employed or the terms of my employment agreement, if any (e.g., active employment would not include a period of â€œgarden leaveâ€ or similar period pursuant to the employment laws in the jurisdiction in which I am employed or the terms of my employment agreement, if any); the Company will have the exclusive discretion to determine when I am no longer actively employed for purposes of my participation in the Plan (including whether I may still be considered to be actively employed while on a leave of absence). 9.I understand that the Company and/or any Designated Company may collect, where permissible under applicable law certain personal information about me, including, but not limited to, my name, home address and telephone number, date of birth, social insurance number or other identification number, salary, nationality, job title, any shares of Common Stock or directorships held in the Company, details of all options granted under the Plan or any other entitlement to shares of Common Stock awarded, canceled, exercised, vested, unvested or outstanding in my favor (â€œDataâ€), for the exclusive purpose of implementing, administering and managing the Plan. I understand that Company may transfer my Data to the United States, which is not considered by the European Commission to have data protection laws equivalent to the laws in my country. I understand that the Company will transfer my Data to its designated broker, or such other stock plan service provider as may be selected by the Company in the future, which is assisting the Company with the implementation, administration and management of the Plan. I understand that the recipients of the Data may be located in the United States or elsewhere, and that a recipientâ€™s country of operation (e.g., the United States) may have different, including less stringent, data privacy laws that the European Commission or my jurisdiction does not consider to be equivalent to the protections in my country. I understand that I may request a list with the names and addresses of any potential recipients of the Data by contacting my local human resources representative. I authorize the Company, the Companyâ€™s designated broker and any other possible recipients which may assist the Company with implementing, administering and managing the Plan to receive, possess, use, retain and transfer the Data, in electronic or other form, for the sole purpose of implementing, administering and managing my participation in the Plan. I understand that Data will be held only as long as is necessary to implement, administer and manage my participation in the Plan. I understand that that I may, at any -4- Exhibit 10.1 time, view Data, request additional information about the storage and processing of Data, require any necessary amendments to Data or refuse or withdraw the consents herein, in any case without cost, by contacting in writing my local human resources representative. Further, I understand that I am providing the consents herein on a purely voluntary basis. If I do not consent, or if I later seek to revoke my consent, my employment status or career with the Company or any Designated Company will not be adversely affected; the only adverse consequence of refusing or withdrawing my consent is that the Company would not be able to grant me options under the Plan or other equity awards, or administer or maintain such awards. Therefore, I understand that refusing or withdrawing my consent may affect my ability to participate in the Plan. For more information on the consequences of my refusal to consent or withdrawal of consent, I understand that I may contact my local human resources representative. If I am an employee outside the U.S., I understand that in accordance with applicable law, I have the right to access, and to request a copy of, the Data held about me. I also understand that I have the right to discontinue the collection, processing, or use of my Data, or supplement, correct, or request deletion of my Data. To exercise my rights, I may contact my local human resources representative. I hereby explicitly and unambiguously consent to the collection, use and transfer, in electronic or other form, of my personal data as described herein and any other Plan materials by and among, as applicable, the Company and its Subsidiaries for the exclusive purpose of implementing, administering and managing my participation in the Plan. I understand that my consent will be sought and obtained for any processing or transfer of my data for any purpose other than as described in the enrollment form and any other plan materials. 10.If I have received the Subscription Agreement or any other document related to the Plan translated into a language other than English and if the meaning of the translated version is different than the English version, the English version will control, subject to applicable laws. 11.The provisions of the Subscription Agreement and these appendices are severable and if any one or more provisions are determined to be illegal or otherwise unenforceable, in whole or in part, the remaining provisions nevertheless will be binding and enforceable. 12.Notwithstanding

any provisions in this Subscription Agreement, I understand that if I am working or resident in a country other than the United States, my participation in the Plan also will be subject to the additional terms and conditions set forth on Appendix A and any special terms and conditions for my country set forth on Appendix A. Moreover, if I relocate to one of the countries included in Appendix A, the special terms and conditions for such country will apply to me to the extent the Company determines that the application of such terms and conditions is necessary or advisable for legal or administrative reasons. Appendix A constitutes part of this Subscription Agreement and the provisions of this Subscription Agreement govern each Appendix (to the extent not superseded or supplemented by the terms and conditions set forth in the applicable Appendix). -5- Exhibit 10.1 13.I hereby agree to be bound by the terms of the Plan. The effectiveness of this Subscription Agreement is dependent upon my eligibility to participate in the Plan. Â Employeeâ€™s Social Â Security Number (for U.S.â€‘based employees): Employeeâ€™s Address: Â Â Â Â Â Â Â I UNDERSTAND THAT THIS SUBSCRIPTION AGREEMENT WILL REMAIN IN EFFECT THROUGHOUT SUCCESSIVE OFFERING PERIODS UNLESS TERMINATED BY ME. Dated: Signature of Employee Â Â -6- Exhibit 10.1 EXHIBIT B Â PALLADYNE AI CORP. 2021 EMPLOYEE STOCK PURCHASE PLAN NOTICE OF WITHDRAWAL The undersigned Participant in the Offering Period of the Palladyne AI Corp. 2021 Employee Stock Purchase Plan (the â€œPlanâ€) that began on _____, _____ (the â€œOffering Dateâ€) hereby notifies the Company that he or she hereby withdraws from the Offering Period. Participant hereby directs the Company to pay to the undersigned as promptly as practicable all the payroll deductions credited to such Participantâ€™s account with respect to such Offering Period. The undersigned understands and agrees that such Participantâ€™s option for such Offering Period will be terminated automatically. The undersigned understands further that no further payroll deductions will be made for the purchase of shares in the current Offering Period and the undersigned will be eligible to participate in succeeding Offering Periods only by delivering to the Company a new Subscription Agreement. Capitalized terms not otherwise defined herein will have the meaning ascribed to them under the Plan. Name and Address of Participant: Signature: Date: -1- EX-10.2 4 pdyn-ex10_2.htm EX-10.2 EX-10.2 Â Exhibit 10.2 OPEN MARKET SALE AGREEMENTSM November 13, 2024 JEFFERIES LLC 520 Madison Avenue New York, New York 10022 Ladies and Gentlemen: Palladyne AI Corp., a Delaware corporation (the â€œCompanyâ€), proposes, subject to the terms and conditions stated herein, to issue and sell from time to time through Jefferies LLC, as sales agent and/or principal (the â€œAgentâ€), shares of the Companyâ€™s common stock, par value $0.0001 per share (the â€œCommon Sharesâ€), on the terms set forth in this agreement (this â€œAgreementâ€). Section 1. DEFINITIONS (a) Certain Definitions. For purposes of this Agreement, capitalized terms used herein and not otherwise defined shall have the following respective meanings: â€œAffiliateâ€ of a Person means another Person that directly or indirectly, through one or more intermediaries, controls, is controlled by, or is under common control with, such first- mentioned Person. The term â€œcontrolâ€ (including the terms â€œcontrolling,â€ â€œcontrolled byâ€ and â€œunder common control withâ€) means the possession, direct or indirect, of the power to direct or cause the direction of the management and policies of a Person, whether through the ownership of voting securities, by contract or otherwise. â€œAgency Periodâ€ means the period commencing on the date of this Agreement and expiring on the earliest to occur of (x) the date on which the Agent shall have placed the Maximum Program Amount pursuant to this Agreement and (y) the date this Agreement is terminated pursuant to â€ŽSection 7. â€œCommissionâ€ means the U.S. Securities and Exchange Commission. â€œExchange Actâ€ means the Securities Exchange Act of 1934, as amended, and the rules and regulations of the Commission thereunder. â€œFloor Priceâ€ means the minimum price set by the Company in the Issuance Notice below which the Agent shall not sell Shares during the applicable period set forth in the applicable Issuance Notice, which may be adjusted by the Company at any time during the period set forth in the applicable Issuance Notice by delivering written notice of such change to the Agent and which in no event shall be less than $1.00 without the prior written consent of the Agent, which may be withheld in the Agentâ€™s sole discretion. Â Â â€œIssuance Amountâ€ means the aggregate Sales Price of the Shares to be sold by the Agent pursuant to any Issuance Notice. â€œIssuance Noticeâ€ means a written notice delivered to the Agent by the Company in accordance with this Agreement in the form attached hereto as Exhibit A that is executed by its Chief Executive Officer, President or Chief Financial Officer. â€œIssuance Notice Dateâ€ means any Trading Day during the Agency Period that an Issuance Notice is delivered pursuant to â€ŽSection 3(b)(i). â€œIssuance Priceâ€ means the Sales Price less the Selling Commission. â€œMaximum Program Amountâ€ means Common Shares with an aggregate Sales Price of the lesser of (a) the number or dollar amount of Common Shares registered under the effective Registration Statement (defined below) pursuant to which the offering is being made, (b) the number of authorized but unissued Common Shares (less Common Shares issuable upon exercise, conversion or exchange of any outstanding securities of the Company or otherwise reserved from the Companyâ€™s authorized capital stock), (c) the number or dollar amount of Common Shares permitted to be sold under Form S-3 (including General Instruction I.B.6 thereof, if applicable), or (d) the number or dollar amount of Common Shares for which the Company has filed a Prospectus (defined below). â€œPersonâ€ means an individual or a corporation, partnership, limited liability company, trust, incorporated or unincorporated association, joint venture, joint stock company, governmental authority or other entity of any kind. â€œPrincipal Marketâ€ means the Nasdaq Global Market or such other national securities exchange on which the Common Shares, including any Shares, are then listed. â€œRule 462(b) Registration Statementâ€ means any registration statement filed by the Company pursuant to Rule 462(b) under the Securities Act in connection with the offer and sale of Shares. â€œSales Priceâ€ means the actual sale execution price of each Share placed by the Agent pursuant to this Agreement. â€œSecurities Actâ€ means the Securities Act of 1933, as amended, and the rules and regulations of the Commission thereunder. â€œSelling Commissionâ€ means three percent (3%) of the gross proceeds of Shares sold pursuant to this Agreement, or as otherwise agreed between the Company and the Agent with respect to any Shares sold pursuant to this Agreement. â€œSettlement Dateâ€ means the first business day following each Trading Day during the period set forth in the applicable Issuance Notice on which Shares are sold pursuant to this Agreement, when the Company shall deliver to the Agent the amount of Shares sold on such Trading Day and the Agent shall deliver to the Company the Issuance Price received on such sales. 2 Â â€œSharesâ€ means the Companyâ€™s Common Shares issued or issuable pursuant to this Agreement. â€œTrading Dayâ€ means any day on which the Principal Market is open for trading. Section 2. REPRESENTATIONS AND WARRANTIES OF THE COMPANY The Company represents and warrants to, and agrees with, the Agent that, unless such representation, warranty or agreement specifies a different date, as of (1) the date of this Agreement, (2) each Issuance Notice Date, (3) each Settlement Date, (4) each Triggering Event Date (as defined below) with respect to which the Company is required to deliver a certificate pursuant to Section 4(o) and (5) as of each Time of Sale (as defined below) (each of the times referenced above is referred to herein as a â€œRepresentation Dateâ€), except as may be disclosed in the Prospectus (including any documents incorporated by reference therein and any supplements thereto) on or before a Representation Date: (a) Registration Statement. The Company has prepared and filed with the Commission a shelf registration statement on Form S-3 (File No. 333-268399) that contains a base prospectus. Such registration statement registers the issuance and sale by the Company of the Shares under the Securities Act. The Company may file one or more additional registration statements from time to time that will contain a base prospectus and related prospectus or prospectus supplement, if applicable, with respect to the Shares. Except where the context otherwise requires, such registration statement(s), including any information deemed to be a part thereof pursuant to Rule 430B under the Securities Act, including all financial statements, exhibits and schedules thereto and all documents incorporated or deemed to be incorporated therein by reference pursuant to Item 12 of Form S-3 under the Securities Act as from time to time amended or supplemented, is herein referred to as the â€œRegistration Statement,â€ and the prospectus constituting a part of such registration statement(s), together with any prospectus supplement filed with the Commission pursuant to Rule 424(b) under the Securities Act relating to a particular issuance of the Shares, including all documents incorporated or deemed to be incorporated therein by reference pursuant to Item 12 of Form S-3 under the Securities Act, in each case, as from time to time amended or supplemented, is referred to herein as the â€œProspectus,â€ except that if any revised prospectus is provided to the Agent by the Company for use in connection with the offering of the Shares that is not required to be filed by the Company pursuant to Rule 424(b) under the Securities Act, the term â€œProspectusâ€ shall refer to such revised prospectus from and after the time it is first provided to the Agent for such use. The Registration Statement at the time it originally became effective is herein called the â€œOriginal Registration Statement.â€ As used in this Agreement, the terms â€œamendmentâ€ or â€œsupplementâ€ when applied to the Registration Statement or the Prospectus shall be deemed to include the filing by the Company with the Commission of any document under the Exchange Act after the date hereof that is or is deemed to be incorporated therein by reference. All references in this Agreement to financial statements and schedules and other information which is â€œcontained,â€ â€œincluded,â€ â€œstatedâ€ or â€œpart ofâ€ in the Registration Statement or the Prospectus (and all other references of like import) shall be deemed to mean and include all such financial statements and schedules and other information which is or is deemed to be incorporated by reference in or otherwise deemed under the Securities Act to be a part of or included in the Registration Statement or the Prospectus, as the case may be, as of any specified 3 Â date; and all references in this Agreement to amendments or supplements to the Registration Statement or the Prospectus shall be deemed to mean and include, without limitation, the filing of any document under the Exchange Act which is or is deemed to be incorporated by reference in or otherwise deemed under the Securities Act to be a part of or included in the Registration Statement or the Prospectus, as the case may be, as of any specified date. The Companyâ€™s obligations under this Agreement to furnish, provide, deliver or make available (and all other references of like import) copies of any report or statement shall be deemed satisfied if the same is filed with the Commission through EDGAR. At the time the Registration Statement was or will be originally declared effective and at the time the Companyâ€™s most recent annual report on Form 10-K was filed with the Commission, if later, the Company met the then-applicable requirements for use of Form S-3 under the Securities Act. During the Agency Period, each time the Company files an annual report on Form 10-K the Company will meet the then-applicable requirements for use of Form S-3 under the Securities Act. (b) Compliance with Registration Requirements. The Original Registration Statement has been declared effective by the Commission under the Securities Act and any Rule 462(b) Registration Statement will be declared effective by the Commission under the Securities Act prior to the first Issuance Notice. The Company has complied to the Commissionâ€™s satisfaction with all requests of the Commission for additional or supplemental information. No stop order suspending the effectiveness of the Registration Statement or any Rule 462(b) Registration Statement is in effect and no proceedings for such purpose have been instituted or are pending or, to the knowledge of the Company, are contemplated or threatened by the Commission. The Prospectus when filed complied, and at each Representation Date will comply, in all material respects with the Securities Act and, if filed with the Commission through its Electronic Data Gathering, Analysis and Retrieval system (â€œEDGARâ€) (except as may be permitted by Regulation Sâ€‘T under the Securities Act), was identical to the copy thereof delivered to the Agent for use in connection with the issuance and sale of the Shares. Each of the Registration Statement, any Rule 462(b) Registration Statement and any post-effective amendment thereto, at the time it became effective and at each Representation Date, complied and will comply in all material respects with the Securities Act and did not and will not contain any untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein not misleading. As of the date of this Agreement, the Prospectus and any Free Writing Prospectus (as defined below) considered together (collectively, the â€œTime of Sale Informationâ€) did not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements therein, in light of the circumstances under which they were made, not misleading. The Prospectus, as amended or supplemented, as of its date, at each Representation Date and at all times between the delivery of an Issuance Notice and completion of the issuance of Shares pursuant thereto, did not and will not contain any untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in light of the circumstances under which they were made, not misleading. The representations and warranties set forth in the three immediately preceding sentences do not apply to statements in or omissions from the Registration Statement, any Rule 462(b) Registration Statement, or any post-effective amendment thereto, or the Prospectus, or any amendments or supplements thereto, made in reliance upon and in conformity with information relating to the Agent furnished to the Company in writing by the Agent expressly for use therein, it being understood and agreed that the only such 4 Â information furnished by the Agent to the Company consists of the Agent Information (defined below). There are no contracts or other documents required to be described in the Prospectus or to be filed as exhibits to the Registration Statement which have not been described or filed as required. The Registration Statement and the offer and sale of the Shares as contemplated hereby meet the requirements of Rule 415 under the Securities Act and comply in all material respects with said rule. (c) Ineligible Issuer Status. The Company is not an â€œineligible issuerâ€ in connection with the offering of the Shares pursuant to Rules 164, 405 and 433 under the Securities Act. Any Free Writing Prospectus that the Company is required to file pursuant to Rule 433(d) under the Securities Act has been, or will be, filed with the Commission in accordance with the requirements of the Securities Act. Each Free Writing Prospectus that the Company has filed, or is required to file, pursuant to Rule 433(d) under the Securities Act or that was prepared by or behalf of or used or referred to by the Company complies or will comply in all material respects with the requirements of Rule 433 under the Securities Act including timely filing with the Commission or retention where required and legending, and each such Free Writing Prospectus, as of its issue date, at each subsequent Representation Date and at all subsequent times between the delivery of an Issuance Notice and completion of the issuance of Shares pursuant thereto and at all subsequent times through the completion of the issuance and sale of the Shares did not, does not and will not include any information that conflicted, conflicts with or will conflict with the information contained in the Registration Statement or the Prospectus, including any document incorporated by reference therein. Except for the Free Writing Prospectuses, if any, and electronic road shows, if any, furnished to you before first use, the Company has not prepared, used or referred to, and will not, without your prior consent, prepare, use or refer to, any Free Writing Prospectus. (d) Emerging Growth Company Status. The Company is an â€œemerging growth company,â€ as defined in Section 2(a) of the Securities Act (an â€œEmerging Growth Companyâ€). (e) Incorporated Documents. The documents incorporated or deemed to be incorporated by reference in the Registration Statement and the Prospectus, at the time they were filed with the Commission, complied in all material respects with the requirements of the Exchange Act, as applicable, and, when read together with the other information in the Prospectus, do not contain, an untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein, in light of the circumstances under which they were made, not misleading. (f) Exchange Act Compliance. The documents incorporated or deemed to be incorporated by reference in the Prospectus, at the time they were or hereafter are filed with the Commission, and any Free Writing Prospectus or amendment or supplement thereto complied and will comply in all material respects with the requirements of the Exchange Act, and, when read together with the other information in the Prospectus, at the time the Registration Statement and any amendments thereto become effective and at each Time of Sale, as the case may be, will not contain an untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading. 5 Â (g) Statistical and Market-Related Data. All statistical, demographic and marketâ€‘related data included in the Registration Statement or the Prospectus are based on or derived from sources that the Company believes, after reasonable inquiry, to be reliable and accurate. To the extent required, the Company has obtained the written consent for the use of such data from such sources. (h) Disclosure Controls and Procedures; Deficiencies in or Changes to Internal Control Over Financial Reporting. The Company has established and maintains disclosure controls and procedures (as defined in Rules 13a-15 and 15d-15 under the Exchange Act), which (i) are designed to ensure that material information relating to the Company, including its consolidated subsidiaries, is made known to the Companyâ€™s principal executive officer and its principal financial officer by others within those entities, particularly during the periods in which the periodic reports required under the Exchange Act are being prepared; (ii) have been evaluated by management of the Company for effectiveness as of the end of the Companyâ€™s most recent fiscal quarter; and (iii) are effective in all material respects to perform the functions for which they were established. Since the end of the Companyâ€™s most recent audited fiscal year, there have been no significant deficiencies or material weaknesses in the Companyâ€™s internal control over financial reporting (whether or not remediated) and no change in the Companyâ€™s internal control over financial reporting that has materially affected, or is reasonably likely to materially affect, the Companyâ€™s internal control over financial reporting. The Company is not aware of any change in its internal control over financial reporting that has occurred during its most recent fiscal quarter that has materially affected, or is reasonably likely to materially affect, the Companyâ€™s internal control over financial reporting. (i) This Agreement. This Agreement has been duly authorized, executed and delivered by the Company. (j) Authorization of the Shares. The Shares have been duly authorized for issuance and sale pursuant to this Agreement and, when issued and delivered by the Company against payment therefor pursuant to this Agreement, will be validly issued, fully paid and nonassessable, delivered free and clear of any security interest, mortgage, pledge, lien, encumbrance or adverse claim, and the issuance and sale of the Shares is not subject to any preemptive rights, rights of first refusal or other similar rights to subscribe for or purchase any Shares, except for such rights as have been duly waived. (k) No Applicable Registration or Other Similar Rights. There are no persons with registration or other similar rights to have any equity or debt securities registered for sale under the Registration Statement or included in the offering contemplated by this Agreement, except for such rights as have been duly waived. (l) No Material Adverse Change. Except as otherwise disclosed in the Registration Statement and the Prospectus, subsequent to the respective dates as of which information is given in the Registration Statement and the Prospectus: (i) there has been no material adverse change, or any

development that could be expected to result in a material adverse change, in (A) the condition, financial or otherwise, or in the earnings, business, properties, operations, operating results, assets, liabilities or prospects, whether or not arising from transactions in the ordinary course of business, of the Company and its subsidiaries, considered as one entity or (B) the ability of the Company to consummate the transactions contemplated by this Agreement or perform its obligations hereunder 6 Â (any such change being referred to herein as a â€œMaterial Adverse Changeâ€); (ii) the Company and its subsidiaries, considered as one entity, have not incurred any material liability or obligation, indirect, direct or contingent, including without limitation any losses or interference with their business from pandemics, fire, explosion, flood, earthquakes, accident or other calamity, whether or not covered by insurance, or from any strike, labor dispute or court or governmental action, order or decree, that are material, individually or in the aggregate, to the Company and its subsidiaries, considered as one entity, and have not entered into any transactions not in the ordinary course of business; and (iii) there has not been any material decrease in the capital stock or any material increase in any short-term or long-term indebtedness of the Company or its subsidiaries and there has been no dividend or distribution of any kind declared, paid or made by the Company or, except for dividends paid to the Company or other subsidiaries, by any of the Companyâ€™s subsidiaries on any class of capital stock, or any repurchase or redemption by the Company or any of its subsidiaries of any class of capital stock. (m) Independent Accountants. Each of (a) KPMG LLP, which has reviewed certain interim financial statements (which term as used in this Agreement includes the related notes thereto) filed with the Commission as a part of the Registration Statement and the Prospectus and (b) Ernst & Young LLP, which has expressed its opinion with respect to the financial statements filed with the Commission as a part of the Registration Statement and the Prospectus, is, to the knowledge of the Company, (i) an independent registered public accounting firm as required by the Securities Act, the Exchange Act, and the rules of the Public Company Accounting Oversight Board (â€œPCAOBâ€), (ii) in compliance with the applicable requirements relating to the qualification of accountants under Rule 2-01 of Regulation S-X under the Securities Act; (iii) a registered public accounting firm as defined by the PCAOB whose registration has not been suspended or revoked and who has not requested such registration to be withdrawn and (iv) a registered public accounting firm (as defined in Section 2(a)(12) of the Sarbanes-Oxley Act of 2002, as amended (the â€œSarbanes-Oxley Actâ€), and is not in violation of the auditor independence requirements of the Sarbanes-Oxley Act. (n) Financial Statements. The financial statements filed with the Commission as a part of the Registration Statement and the Prospectus present fairly the consolidated financial position of the Company and its subsidiaries as of the dates indicated and the results of their operations, changes in stockholdersâ€™ equity and cash flows for the periods specified. Such financial statements have been prepared in conformity with generally accepted accounting principles (â€œGAAPâ€) applied on a consistent basis throughout the periods involved, except as may be expressly stated in the related notes thereto. The interactive data in eXtensible Business Reporting Language included or incorporated by reference in the Registration Statement fairly presents the information called for in all material respects and has been prepared in accordance with the Commissionâ€™s rules and guidelines applicable thereto. No other financial statements or supporting schedules are required to be included in the Registration Statement or the Prospectus. The financial data set forth in each of the Registration Statement and the Prospectus fairly present, in all material respects, the information set forth therein on a basis consistent with that of the audited financial statements contained in the Registration Statement and the Prospectus. To the Companyâ€™s knowledge, no person who has been suspended or barred from being associated with a registered public accounting firm, or who has failed to comply with any sanction pursuant to Rule 5300 promulgated by the PCAOB, has participated in or otherwise aided the preparation of, or audited, the financial statements, supporting schedules or other financial data filed with the Commission as a part of the Registration Statement and the Prospectus. 7 Â (o) Companyâ€™s Accounting System. The Company and each of its subsidiaries make and keep books and records that are accurate in all material respects and maintain a system of internal accounting controls designed to provide reasonable assurance that: (i) transactions are executed in accordance with managementâ€™s general or specific authorization; (ii) transactions are recorded as necessary to permit preparation of financial statements in conformity with GAAP and to maintain accountability for assets; (iii) access to assets is permitted only in accordance with managementâ€™s general or specific authorization; and (iv) the recorded accountability for assets is compared with existing assets at reasonable intervals and appropriate action is taken with respect to any differences. (p) Incorporation and Good Standing of the Company. The Company has been duly incorporated and is validly existing as a corporation in good standing under the laws of the jurisdiction of its incorporation and has the corporate power and authority to own, lease and operate its properties and to conduct its business as described in the Registration Statement and the Prospectus and to enter into and perform its obligations under this Agreement. The Company is duly qualified as a foreign corporation to transact business and is in good standing in the State of Utah and any other jurisdiction in which such qualification is required, whether by reason of the ownership or leasing of property or the conduct of business, except where the failure to so qualify or to be in good standing would not reasonably be expected to result in a Material Adverse Change. (q) Subsidiaries. Each of the Companyâ€™s â€œsubsidiariesâ€ (for purposes of this Agreement, â€œsubsidiaryâ€ shall have the meaning given to â€œsignificant subsidiaryâ€ under Item 1-02(w) of Regulation S-X) has been duly incorporated or organized, as the case may be, and is validly existing as a corporation, partnership or limited liability company, as applicable, in good standing under the laws of the jurisdiction of its incorporation or organization and has the power and authority (corporate or other) to own, lease and operate its properties and to conduct its business as described in the Registration Statement and the Prospectus, except where the failure to so qualify or to be in good standing would not reasonably be expected to result in a Material Adverse Change. Each of the Companyâ€™s subsidiaries is duly qualified as a foreign corporation, partnership or limited liability company, as applicable, to transact business and is in good standing in each jurisdiction in which such qualification is required, whether by reason of the ownership or leasing of property or the conduct of business, except where the failure to be in good standing would not reasonably be expected, individually or in the aggregate, to result in a Material Adverse Change. All of the issued and outstanding capital stock or other equity or ownership interests of each of the Companyâ€™s subsidiaries have been duly authorized and validly issued, are fully paid and nonassessable and are owned by the Company, directly or through subsidiaries, free and clear of any security interest, mortgage, pledge, lien, encumbrance or adverse claim. None of the outstanding capital stock or equity interest in any subsidiary was issued in violation of preemptive or similar rights of any security holder of such subsidiary. The constitutive or organizational documents of each of the subsidiaries comply in all material respects with the requirements of applicable laws of its jurisdiction of incorporation or organization and are in full force and effect. The Company does not own or control, directly or indirectly, any corporation, association or other entity that would be considered a â€œsignificant subsidiaryâ€ under Item 1-02(w) of Regulation S-K other than the subsidiaries listed in Exhibit 21 to the Companyâ€™s Annual Report on Form 10â€’K for the previously completed fiscal year. 8 Â (r) Capitalization and Other Capital Stock Matters. The authorized, issued and outstanding capital stock of the Company is as set forth in the Registration Statement and the Prospectus under the caption â€œDescription of Capital Stockâ€ (other than for subsequent issuances, if any, pursuant to employee benefit plans described in the Prospectus or upon the exercise of outstanding options or warrants, in each case described in the Registration Statement and the Prospectus). The Common Shares (including the Shares) conform in all material respects to the description thereof contained in the Prospectus. All of the issued and outstanding Common Shares have been duly authorized and validly issued, are fully paid and nonassessable and have been issued in compliance with all federal and state securities laws. None of the outstanding Common Shares was issued in violation of any preemptive rights, rights of first refusal or other similar rights to subscribe for or purchase securities of the Company. There are no authorized or outstanding options, warrants, preemptive rights, rights of first refusal or other rights to purchase, or equity or debt securities convertible into or exchangeable or exercisable for, any capital stock of the Company or any of its subsidiaries other than those described in the Registration Statement and the Prospectus. The descriptions of the Companyâ€™s stock option, stock bonus and other stock plans or arrangements, and the options or other rights granted thereunder, set forth in the Registration Statement and the Prospectus accurately and fairly presents in all material respects the information required to be shown with respect to such plans, arrangements, options and rights. (s) Stock Exchange Listing. The Common Shares are registered pursuant to Section 12(b) or 12(g) of the Exchange Act and are listed on the Principal Market, and the Company has taken no action designed to, or likely to have the effect of, terminating the registration of the Common Shares under the Exchange Act or delisting the Common Shares from the Principal market, nor has the Company received any notification that the Commission or the Principal Market is contemplating terminating such registration or listing. To the Companyâ€™s knowledge, it is in compliance with all applicable listing requirements of the Principal Market. (t) Non-Contravention of Existing Instruments; No Further Authorizations or Approvals Required. Neither the Company nor any of its subsidiaries is in violation of its charter or byâ€’laws, partnership agreement or operating agreement or similar organizational documents, as applicable, or is in default (or, with the giving of notice or lapse of time, would be in default) (â€œDefaultâ€) under any indenture, loan, credit agreement, note, lease, license agreement, contract, franchise or other instrument (including, without limitation, any pledge agreement, security agreement, mortgage or other instrument or agreement evidencing, guaranteeing, securing or relating to indebtedness) to which the Company or any of its subsidiaries is a party or by which it or any of them may be bound, or to which any of their respective properties or assets are subject (each, an â€œExisting Instrumentâ€), except for such Defaults as could not be expected, individually or in the aggregate, to result in a Material Adverse Change. The Companyâ€™s execution, delivery and performance of this Agreement, consummation of the transactions contemplated hereby and by the Registration Statement and the Prospectus and the issuance and sale of the Shares (including the use of proceeds from the sale of the Shares as described in the Registration Statement and the Prospectus under the caption â€œUse of Proceedsâ€) (i) have been duly authorized by all necessary corporate action and will not result in any violation of the provisions of the charter or byâ€’laws, partnership agreement or operating agreement or similar organizational documents, as applicable, of the Company or any subsidiary (ii) will not conflict with or constitute a breach of, or Default or a Debt Repayment Triggering Event (as defined below) under, or result in the creation or imposition of any lien, charge or encumbrance upon any property or assets of the Company or any 9 Â of its subsidiaries pursuant to, or require the consent of any other party to, any Existing Instrument and (iii) will not result in any violation of any law, administrative regulation or administrative or court decree applicable to the Company or any of its subsidiaries, except where such violation would not reasonably be expected to result in a Material Adverse Change. No consent, approval, authorization or other order of, or registration or filing with, any court or other governmental or regulatory authority or agency, is required for the Companyâ€™s execution, delivery and performance of this Agreement and consummation of the transactions contemplated hereby and by the Registration Statement and the Prospectus, except such as have been obtained or made by the Company and are in full force and effect under the Securities Act and such as may be required under applicable state securities or blue sky laws or FINRA (as defined below). As used herein, a â€œDebt Repayment Triggering Eventâ€ means any event or condition which gives, or with the giving of notice or lapse of time would give, the holder of any note, debenture or other evidence of indebtedness (or any person acting on such holderâ€™s behalf) the right to require the repurchase, redemption or repayment of all or a portion of such indebtedness by the Company or any of its subsidiaries. (u) No Material Actions or Proceedings. Except as otherwise disclosed in the Prospectus, there is no action, suit, proceeding (including arbitration and mediation), inquiry, audit or investigation, whether civil, criminal or administrative, brought by or before any legal or governmental entity now pending or, to the knowledge of the Company, threatened, against or affecting the Company or any of its subsidiaries, which could be expected, individually or in the aggregate, to result in a Material Adverse Change. No material labor dispute with the employees of the Company or any of its subsidiaries exists or, to the knowledge of the Company, is threatened or imminent. (v) Suppliers, Customers, Partners and Distributors. No supplier, customer, partner or distributor of the Company or any of its subsidiaries has notified the Company or any of its subsidiaries that it intends to discontinue or decrease the rate of business done with the Company or any of its subsidiaries, except where such discontinuation or decrease has not resulted in and could not reasonably be expected to result in a Material Adverse Change. (w) Intellectual Property Rights. Except as otherwise disclosed in the Registration Statement or the Prospectus, the Company and its subsidiaries own, or have obtained valid and enforceable licenses for, the inventions, patent applications, patents, trademarks, trade names, service names, copyrights, trade secrets and other intellectual property described in the Registration Statement and the Prospectus as being owned or licensed by them or which are necessary for the conduct of their respective businesses in the manner described in the Registration Statement and the Prospectus (collectively, â€œIntellectual Propertyâ€) and the conduct of their respective businesses does not and will not infringe, misappropriate or otherwise conflict in any material respect with any such rights of others in a manner which, if the subject of an unfavorable decision, ruling or finding, would have a material adverse effect on the Company or its subsidiaries. No material Intellectual Property of the Company has been adjudged by a court of competent jurisdiction to be invalid or unenforceable, in whole or in part, and the Company is unaware of any facts which would form a reasonable basis for any such adjudication. To the Companyâ€™s knowledge: (i) there are no third parties who have rights to any Intellectual Property owned by the Company; and (ii) there is no infringement by third parties of any material Intellectual Property, in each case in a manner which would have a material adverse effect on the 10 Â Company or its subsidiaries. There is no pending or, to the Companyâ€™s knowledge, threatened action, suit, proceeding or claim by others: (A) challenging the Companyâ€™s rights in or to any material Intellectual Property, and the Company is unaware of any facts which would form a reasonable basis for any such action, suit, proceeding or claim; (B) challenging the validity, enforceability or scope of any material Intellectual Property owned by the Company, and the Company is unaware of any facts which would form a reasonable basis for any such action, suit, proceeding or claim; or (C) asserting that the Company or any of its subsidiaries infringes or otherwise violates, or would, upon the commercialization of any product or service described in the Registration Statement or the Prospectus as under development, infringe or violate, any patent, trademark, trade name, service name, copyright, trade secret or other proprietary rights of others in a manner which would have a material adverse effect on the Company or its subsidiaries, and the Company is unaware of any facts which would form a reasonable basis for any such action, suit, proceeding or claim. The Company and its subsidiaries have materially complied with the terms of each agreement pursuant to which Intellectual Property has been licensed to the Company or any subsidiary, and all such agreements are in full force and effect. To the Companyâ€™s knowledge, there are no material defects in any of the patents or patent applications included in the Intellectual Property. The Company and its subsidiaries have taken reasonable steps to protect, maintain and safeguard their material Intellectual Property, including the execution of appropriate nondisclosure, confidentiality agreements and invention assignment agreements and invention assignments with their employees, and to the Companyâ€™s knowledge no employee of the Company is in or has been in violation of any term of any employment contract, patent disclosure agreement, invention assignment agreement, non-competition agreement, non-solicitation agreement, nondisclosure agreement, or any restrictive covenant to or with a former employer where the basis of such violation relates to such employeeâ€™s employment with the Company. The duty of candor and good faith as required by the United States Patent and Trademark Office during the prosecution of the United States patents and patent applications included in the material Intellectual Property owned by the Company have been complied with; and in all foreign offices having similar requirements, all such requirements have been complied with. None of the Company owned Intellectual Property or technology (including information technology and outsourced arrangements) employed by the Company or its subsidiaries has been obtained or is being used by the Company or its subsidiary in violation of any contractual obligation binding on the Company or its subsidiaries or any of their respective officers, directors or employees or otherwise in violation of the rights of any persons. (x) All Necessary Permits, etc. Except as otherwise disclosed in the Prospectus, the Company and each subsidiary possess such valid and current certificates, authorizations, licenses, registrations or permits required by state, federal or foreign regulatory agencies or bodies to conduct their respective businesses as currently conducted and as described in the Registration Statement or the Prospectus (â€œPermitsâ€), except where the failure to so possess would not reasonably be expected to result in a Material Adverse Change. Neither the Company nor any of its subsidiaries is in violation of, or in default under, any of the Permits or has received any notice of proceedings relating to the revocation or modification of, or nonâ€’compliance with, any such certificate, authorization or permit, except where such violation, default, revocation, modifiication or non-compliance would not reasonably be expected to result in a Material Adverse Change. 11 Â (y) Title to Properties. Except as otherwise disclosed in the Prospectus, the Company and its subsidiaries have good and marketable title to all of the real and personal property and other assets reflected as owned in the financial statements referred to in â€ŽSection 2(n) above (or elsewhere in the Registration Statement or the Prospectus, in each case free and clear of any security interests, mortgages, liens, encumbrances, equities, adverse claims and other defects, except as would not reasonably be expected to result in a Material Adverse Change. The real property, improvements, equipment and personal property held under lease by the Company or of its subsidiary are held under valid and enforceable leases, with such exceptions as are not material and do not materially interfere with the use made or proposed to be made of such real property, improvements, equipment or personal property by the Company or such subsidiary. (z) Tax Law Compliance. The Company and its subsidiaries have filed all necessary material federal, state and foreign income and franchise tax returns or have properly requested extensions thereof and have paid all material taxes required to be paid by any of them and, if due and payable, any related or similar material assessment, fine or penalty levied against any of them except as may be being contested in good faith and by appropriate proceedings. The Company has made adequate charges, accruals and reserves in the applicable financial statements referred to in Section 2(n) above in respect of all material federal, state and foreign income and

franchise taxes for all periods as to which the tax liability of the Company or any of its subsidiaries has not been finally determined. (aa) Company Not an â€œInvestment Company.â€ The Company is not, and will not be, either after receipt of payment for the Shares or after the application of the proceeds therefrom as described under â€œUse of Proceedsâ€ in the Registration Statement or the Prospectus, required to register as an â€œinvestment companyâ€ under the Investment Company Act of 1940, as amended (the â€œInvestment Company Actâ€). (bb) Insurance. Except as otherwise disclosed in the Prospectus, each of the Company and its subsidiaries are insured by recognized, financially sound and reputable institutions with policies in such amounts and with such deductibles and covering such risks as are generally deemed adequate and customary for their businesses including, but not limited to, policies covering real and personal property owned or leased by the Company and its subsidiaries against theft, damage, destruction, acts of vandalism and earthquakes and policies covering the Company and its subsidiaries for product liability claims. The Company has no reason to believe that it or any of its subsidiaries will not be able (i) to renew its existing insurance coverage as and when such policies expire or (ii) to obtain comparable coverage from similar institutions as may be necessary or appropriate to conduct its business as now conducted and at a cost that could not be expected to result in a Material Adverse Change. (cc) No Price Stabilization or Manipulation; Compliance with Regulation M. Neither the Company nor any of its subsidiaries has taken, directly or indirectly, any action designed to or that might cause or result in stabilization or manipulation of the price of the Common Shares or of any â€œreference securityâ€ (as defined in Rule 100 of Regulation M under the Exchange Act (â€œRegulation Mâ€)) with respect to the Common Shares, whether to facilitate the sale or resale of the Shares or otherwise, and has taken no action which would directly or indirectly violate Regulation M. 12 Â (dd) Related Party Transactions. There are no business relationships or related-party transactions involving the Company or any of its subsidiaries or any other person required to be described in the Registration Statement or the Prospectus which have not been described as required. (ee) FINRA Matters. All of the information provided to the Agent or to counsel for the Agent by the Company and to the Companyâ€™s knowledge, its counsel, its officers and directors and the holders of any securities (debt or equity) or options to acquire any securities of the Company in connection with the offering of the Shares is true, complete, correct and compliant in all material respects with Financial Industry Regulatory Authority, Inc.â€™s (â€œFINRAâ€) rules and any letters, filings or other supplemental information provided to FINRA pursuant to FINRA Rules or NASD Conduct Rules is true, complete and correct in all material respects. (ff) No Unlawful Contributions or Other Payments. Except as otherwise disclosed in the Prospectus, neither the Company nor any of its subsidiaries nor, to the best of the Companyâ€™s knowledge, any employee or agent of the Company or any subsidiary, has made any contribution or other payment to any official of, or candidate for, any federal, state or foreign office in violation of any law or of the character required to be disclosed in the Registration Statement and the Prospectus. (gg) Compliance with Environmental Laws. Except as described in the Prospectus and except as could not be expected, individually or in the aggregate, to result in a Material Adverse Change; (i) neither the Company nor any of its subsidiaries is in violation of any federal, state, local or foreign statute, law, rule, regulation, ordinance, code, policy or rule of common law or any judicial or administrative interpretation thereof, including any judicial or administrative order, consent, decree or judgment, relating to pollution or protection of human health, the environment (including, without limitation, ambient air, surface water, groundwater, land surface or subsurface strata) or wildlife, including, without limitation, laws and regulations relating to the release or threatened release of chemicals, pollutants, contaminants, wastes, toxic substances, hazardous substances, petroleum or petroleum products (collectively, â€œHazardous Materialsâ€) or to the manufacture, processing, distribution, use, treatment, storage, disposal, transport or handling of Hazardous Materials (collectively, â€œEnvironmental Lawsâ€), (ii) the Company and its subsidiaries have all permits, authorizations and approvals required under any applicable Environmental Laws and are each in compliance with their requirements, (iii) there are no pending or, to the Companyâ€™s knowledge, threatened administrative, regulatory or judicial actions, suits, demands, demand letters, claims, liens, notices of noncompliance or violation, investigation or proceedings relating to any Environmental Law against the Company or any of its subsidiaries and (iv) there are no events or circumstances that might reasonably be expected to form the basis of an order for clean-up or remediation, or an action, suit or proceeding by any private party or governmental body or agency, against or affecting the Company or any of its subsidiaries relating to Hazardous Materials or any Environmental Laws. 13 Â (hh) ERISA Compliance. Except as otherwise disclosed in the Prospectus, the Company and its subsidiaries and any â€œemployee benefit planâ€ (as defined under the Employee Retirement Income Security Act of 1974, as amended, and the regulations and published interpretations thereunder (collectively, â€œERISAâ€)) established or maintained by the Company, its subsidiaries or their â€œERISA Affiliatesâ€ (as defined below) are in compliance in all material respects with ERISA. â€œERISA Affiliateâ€ means, with respect to the Company or any of its subsidiaries, any member of any group of organizations described in Sections 414(b), (c), (m) or (o) of the Internal Revenue Code of 1986, as amended, and the regulations and published interpretations thereunder (the â€œCodeâ€) of which the Company or such subsidiary is a member. No â€œreportable eventâ€ (as defined under ERISA) has occurred or is reasonably expected to occur with respect to any â€œemployee benefit planâ€ established or maintained by the Company, its subsidiaries or any of their ERISA Affiliates. No â€œemployee benefit planâ€ established or maintained by the Company, its subsidiaries or any of their ERISA Affiliates, if such â€œemployee benefit planâ€ were terminated, would have any â€œamount of unfunded benefit liabilitiesâ€ (as defined under ERISA). Neither the Company, its subsidiaries nor any of their ERISA Affiliates has incurred or reasonably expects to incur any liability under (i) Title IV of ERISA with respect to termination of, or withdrawal from, any â€œemployee benefit planâ€ or (ii) Sections 412, 4971, 4975 or 4980B of the Code. Each â€œemployee benefit planâ€ established or maintained by the Company, its subsidiaries or any of their ERISA Affiliates that is intended to be qualified under Section 401(a) of the Code is so qualified and nothing has occurred, whether by action or failure to act, which would cause the loss of such qualification. (ii) Brokers. Except as otherwise disclosed in the Prospectus, there is no broker, finder or other party that is entitled to receive from the Company any brokerage or finderâ€™s fee or other fee or commission as a result of any transactions contemplated by this Agreement. (jj) No Outstanding Loans or Other Extensions of Credit. The Company does not have any outstanding extension of credit of the Company that are prohibited under the Sarbanes-Oxley Act . (kk) Compliance with Laws. The Company and its subsidiaries have been and are in compliance with all applicable laws, rules and regulations, except where failure to be so in compliance would not reasonably be expected, individually or in the aggregate, to result in a Material Adverse Change. (ll) Dividend Restrictions. Except as disclosed in the Prospectus, no subsidiary of the Company is prohibited or restricted, directly or indirectly, from paying dividends to the Company, or from making any other distribution with respect to such subsidiaryâ€™s equity securities or from repaying to the Company or any other subsidiary of the Company any amounts that may from time to time become due under any loans or advances to such subsidiary from the Company or from transferring any property or assets to the Company or to any other subsidiary. (mm) Anti-Corruption and Anti-Bribery Laws. Neither the Company nor any of its subsidiaries nor any director, officer, or employee of the Company or any of its subsidiaries, nor to the knowledge of the Company, any agent, affiliate or other person acting on behalf of the Company or any of its subsidiaries has, in the course of its actions for, or on behalf of, the Company or any of its subsidiaries (i) used any corporate funds for any unlawful contribution, gift, 14 Â entertainment or other unlawful expenses relating to political activity; (ii) made or taken any act in furtherance of an offer, promise, or authorization of any direct or indirect unlawful payment or benefit to any foreign or domestic government official or employee, including of any government-owned or controlled entity or public international organization, or any political party, party official, or candidate for political office; (iii) violated or is in violation of any provision of the U.S. Foreign Corrupt Practices Act of 1977, as amended (the â€œFCPAâ€), the UK Bribery Act 2010, or any other applicable anti-bribery or anti-corruption law; or (iv) made, offered, authorized, requested, or taken an act in furtherance of any unlawful bribe, rebate, payoff, influence payment, kickback or other unlawful payment or benefit. The Company and its subsidiaries and, to the knowledge of the Company, the Companyâ€™s affiliates have conducted their respective businesses in compliance with the FCPA and have instituted and maintain policies and procedures designed to ensure continued compliance therewith. (nn) Money Laundering Laws. The operations of the Company and its subsidiaries are, and have been conducted at all times, in compliance with applicable financial recordkeeping and reporting requirements of the Currency and Foreign Transactions Reporting Act of 1970, as amended, the money laundering statutes of all applicable jurisdictions, the rules and regulations thereunder and any related or similar applicable rules, regulations or guidelines, issued, administered or enforced by any governmental agency (collectively, the â€œMoney Laundering Lawsâ€) and no action, suit or proceeding by or before any court or governmental agency, authority or body or any arbitrator involving the Company or any of its subsidiaries with respect to the Money Laundering Laws is pending or, to the knowledge of the Company, threatened. (oo) Sanctions. Neither the Company nor any of its subsidiaries, directors, officers, or employees, nor, to the knowledge of the Company, any agent, affiliate or other person acting on behalf of the Company or any of its subsidiaries is currently the subject or the target of any U.S. sanctions administered by the Office of Foreign Assets Control of the U.S. Department of the Treasury (â€œOFACâ€) or the U.S. Department of State, the United Nations Security Council, the European Union, His Majestyâ€™s Treasury of the United Kingdom, or other relevant sanctions authority (collectively, â€œSanctionsâ€); nor is the Company or any of its subsidiaries located, organized or resident in a country or territory that is the subject or the target of Sanctions, including, without limitation, the so-called Donetsk Peopleâ€™s Republic, the so-called Luhansk Peopleâ€™s Republic, the Crimea region and the non-government controlled areas of the Zaporizhzhia and Kherson Regions of Ukraine (or any other Covered Region of Ukraine identified pursuant to Executive Order 14065), Cuba, Iran, North Korea, and Syria; and the Company will not directly or indirectly use the proceeds of this offering, or lend, contribute or otherwise make available such proceeds to any subsidiary, or any joint venture partner or other person or entity, for the purpose of financing the activities of or business with any person, or in any country or territory, that at the time of such financing, is the subject or the target of Sanctions or in any other manner that will result in a violation by any person (including any person participating in the transaction whether as underwriter, advisor, investor or otherwise) of applicable Sanctions. For the past ten years, the Company and its subsidiaries have not knowingly engaged in and are not now knowingly engaged in any dealings or transactions with any person that at the time of the dealing or transaction is or was the subject or the target of Sanctions or with any Sanctioned Country. 15 Â (pp) Export Compliance. The Company and each of its subsidiaries has not, nor has any director, officer, agent, employee or other Person acting on behalf of the Company or any of its subsidiaries violated or failed to comply with any applicable law related to the export or reexport of goods (including hardware, software and technology), services and know-how except in such cases as would not reasonably be expected, individually or in the aggregate, to have a Material Adverse Change. (qq) Sarbanes-Oxley. The Company is in compliance, in all material respects, with all applicable provisions of the Sarbanes-Oxley Act and the rules and regulations promulgated thereunder. (rr) Duties, Transfer Taxes, Etc. No stamp or other issuance or transfer taxes or duties and no capital gains, income, withholding or other taxes are payable by the Agent (other than taxes imposed on the Agent in connection with the Agentâ€™s performances of services pursuant to payments received from the Company under this Agreement) in the United States or any political subdivision or taxing authority thereof or therein in connection with the execution, delivery or performance of this Agreement by the Company or the sale and delivery by the Company of the Shares. (ss) Cybersecurity. Except as would not, individually or in the aggregate, reasonably be expected to have a Material Adverse Change, (i) the Company and its subsidiariesâ€™ information technology assets and equipment, computers, systems, networks, hardware, software, websites, applications, and databases (collectively, â€œIT Systemsâ€) are adequate in capacity and operation for, and operate and perform as required in connection with the operation of the business of the Company and its subsidiaries as currently conducted, free and clear of all material Trojan horses, time bombs, malware and other malicious code; and (ii) the Company and its subsidiaries have implemented and maintained commercially reasonable physical, technical and administrative controls, policies, procedures, and safeguards designed to maintain and protect their material confidential information and the integrity, continuous operation, redundancy and security of all IT Systems and confidential, sensitive, or regulated data, including â€œPersonal Data,â€ used in connection with their businesses. â€œPersonal Dataâ€ means (i) a natural personâ€™s name, street address, telephone number, e-mail address, photograph, social security number or tax identification number, driverâ€™s license number, passport number, credit card number, bank information, or customer or account number; (ii) any information which would qualify as â€œpersonally identifying informationâ€ under the Federal Trade Commission Act, as amended; (iii) â€œpersonal dataâ€ as defined by GDPR; (iv) any information which would qualify as â€œprotected health informationâ€ under the Health Insurance Portability and Accountability Act of 1996, as amended by the Health Information Technology for Economic and Clinical Health Act (collectively, â€œHIPAAâ€); and (v) any other piece of information that allows the identification of such natural person, or his or her family, or permits the collection or analysis of any data related to an identified personâ€™s health or sexual orientation. Except as would not, individually or in the aggregate, reasonably be expected to have a Material Adverse Change, there have been no breaches, violations, outages or unauthorized uses of or accesses to same, except for those that have been remedied without material cost or liability or the duty to notify any other person, nor any incidents under internal review or investigations relating to the same. Except as would not, individually or in the aggregate, reasonably be expected to have a Material Adverse Change, the Company and its subsidiaries are presently in compliance with all applicable laws or statutes and 16 Â all applicable judgments, orders, rules and regulations of any court or arbitrator or governmental or regulatory authority, and all of the Companyâ€™s and its subsidiariesâ€™ internal policies and contractual obligations relating to the privacy and security of IT Systems and Personal Data and to the protection of such IT Systems and Personal Data from unauthorized use, access, misappropriation or modification. (tt) Compliance with Data Privacy Laws. Except as would not, individually or in the aggregate, reasonably be expected to have a Material Adverse Change, (i) the Company and its subsidiaries are, and at all prior times were, in compliance with all applicable state and federal data privacy and security laws and regulations, including without limitation HIPAA and the European Union General Data Protection Regulation (EU 2016/679), as applicable (collectively, the â€œPrivacy Lawsâ€); (ii) the Company and its subsidiaries have in place, comply with, and take appropriate steps reasonably designed to ensure compliance with their policies and procedures relating to data privacy and security and the collection, storage, use, disclosure, handling, and analysis of Personal Data (the â€œPoliciesâ€); (iii) the Company and its subsidiaries have at all times made all disclosures to users or customers required by applicable Privacy Laws, and none of such disclosures made or contained in any Policy have, to the knowledge of the Company, been inaccurate or in violation of any applicable Privacy Laws; and (iv) the Company (A) has not received notice of any actual or potential liability of the Company or its subsidiaries under, or actual or potential violation of, any of the Privacy Laws, and has no knowledge of any event or condition that would reasonably be expected to result in any such notice; (B) is not currently conducting or paying for, in whole or in part, any investigation, remediation, or other corrective action pursuant to any order, decree, or agreement by or with any court or arbitrator or governmental or regulatory authority under any Privacy Law; or (C) is not a party to any order, decree, or agreement by or with any court or arbitrator or governmental or regulatory authority that imposes any obligation or liability under any Privacy Law. (uu) Open Source Software. (i) The Company and its subsidiaries use and have used any and all software and other materials distributed under a â€œfree,â€ â€œopen source,â€ or similar licensing model (including but not limited to the MIT License, Apache License, GNU General Public License, GNU Lesser General Public License and GNU Affero General Public License) (â€œOpen Source Softwareâ€) in material compliance with all license terms applicable to such Open Source Software; and (ii) neither the Company nor any of its subsidiaries uses or distributes or has used or distributed any Open Source Software in any manner that requires or has required (A) the Company or any of its subsidiaries to permit reverse engineering of any software code or other technology owned by the Company or any of its subsidiaries material to the conduct of their businesses as currently conducted by them or (B) any software code or other technology owned by the Company or any of its subsidiaries material to the conduct of their businesses as currently conducted by them to be (1) disclosed or distributed in source code form, (2) licensed for the purpose of making derivative works or (3) redistributed at no charge. (vv) Other Underwriting Agreements. The Company is not a party to any agreement with an agent or underwriter for any other â€œat the marketâ€ or continuous equity transaction. (ww) Forward-Looking Statements. Each financial or operational projection or other â€œforward-looking statementâ€ (as defined by Section 27A of the Securities Act or Section 21E of the Exchange Act) contained in the Registration Statement or the Prospectus (i) was so included 17 Â by the Company in good faith and with reasonable basis after due consideration by the Company of the underlying assumptions, estimates and other applicable facts and circumstances and (ii) as required, is accompanied by meaningful cautionary statements identifying those factors that could cause actual results to differ materially from those in such forward-looking statement. No such statement was made that was false or misleading with the knowledge of a director or executive officer of the Company that it was false or misleading. Any certificate signed by any officer or representative of the Company or any of its subsidiaries and delivered to the Agent or counsel for the Agent in connection with an issuance of Shares shall be deemed a representation and warranty by the Company to the Agent as to the matters covered thereby on the date of such certificate. The Company acknowledges that the Agent and, for purposes of the opinions to be delivered pursuant to â€ŽSection 4(p) hereof, counsel to the Company and counsel to the Agent, will rely upon the accuracy and truthfulness of the foregoing representations and hereby consents to such reliance. Section 3. ISSUANCE AND SALE OF COMMON SHARES (a) Sale of Securities. On the basis of the representations, warranties and agreements herein contained, but subject to the terms and conditions herein set forth, the Company and the Agent agree that the Company may from time to time seek to sell Shares through the Agent, acting as sales agent, or directly to the Agent, acting as principal, as follows, with an aggregate Sales Price of up to the Maximum Program Amount, based on and in

accordance with Issuance Notices as the Company may deliver, during the Agency Period. (b) Mechanics of Issuances. (i) Issuance Notice. Upon the terms and subject to the conditions set forth herein, on any Trading Day during the Agency Period on which the conditions set forth in â€ŽSection 5(a) and â€ŽSection 5(b) shall have been satisfied, the Company may exercise its right to request an issuance of Shares by delivering to the Agent an Issuance Notice; provided, however, that (A) in no event may the Company deliver an Issuance Notice to the extent that the sum of (x) the aggregate Sales Price of the requested Issuance Amount, plus (y) the aggregate Sales Price of all Shares issued under all previous Issuance Notices effected pursuant to this Agreement, would exceed the Maximum Program Amount; and (B) prior to delivery of any Issuance Notice, the period set forth for any previous Issuance Notice shall have expired or been terminated. An Issuance Notice shall be considered delivered on the Trading Day that it is received by eâ€'mail to the persons set forth in Schedule A hereto and confirmed by the Company by telephone (including a voicemail message to the persons so identified), with the understanding that, with adequate prior written notice, the Agent may modify the list of such persons from time to time. (ii) Agent Efforts. Upon the terms and subject to the conditions set forth in this Agreement, upon the receipt of an Issuance Notice, the Agent will use its commercially reasonable efforts consistent with its normal sales and trading practices to place the Shares with respect to which the Agent has agreed to act as sales agent, subject to, and in 18 Â accordance with the information specified in, the Issuance Notice, unless the sale of the Shares described therein has been suspended, cancelled or otherwise terminated in accordance with the terms of this Agreement. For the avoidance of doubt, the parties to this Agreement may modify an Issuance Notice at any time provided they both agree in writing to any such modification. (iii) Method of Offer and Sale. The Shares may be offered and sold (A) in privately negotiated transactions with the consent of the Company; (B) as block transactions; or (C) by any other method permitted by law deemed to be an â€œat the market offeringâ€ as defined in Rule 415(a)(4) under the Securities Act, including sales made directly on the Principal Market or sales made into any other existing trading market of the Common Shares. Nothing in this Agreement shall be deemed to require either party to agree to the method of offer and sale specified in the preceding sentence, and (except as specified in clauses (A) and (B) above) the method of placement of any Shares by the Agent shall be at the Agentâ€™s discretion. (iv) Confirmation to the Company. If acting as sales agent hereunder, the Agent will provide written confirmation to the Company no later than the opening of the Trading Day next following the Trading Day on which it has placed Shares hereunder setting forth the number of shares sold on such Trading Day, the corresponding Sales Price and the Issuance Price payable to the Company in respect thereof. (v) Settlement. Each issuance of Shares will be settled on the applicable Settlement Date for such issuance of Shares and, subject to the provisions of â€ŽSection 5, on or before each Settlement Date, the Company will, or will cause its transfer agent to, electronically transfer the Shares being sold by crediting the Agent or its designeeâ€™s account at The Depository Trust Company through its Deposit/Withdrawal At Custodian (DWAC) System, or by such other means of delivery as may be mutually agreed upon by the parties hereto and, upon receipt of such Shares, which in all cases shall be freely tradable, transferable, registered shares in good deliverable form, the Agent will deliver, by wire transfer of immediately available funds, the related Issuance Price in same day funds delivered to an account designated by the Company prior to the Settlement Date. The Company may sell Shares to the Agent as principal at a price agreed upon by the parties at each relevant time Shares are sold pursuant to this Agreement (each, a â€œTime of Saleâ€). (vi) Suspension or Termination of Sales. Consistent with standard market settlement practices, the Company or the Agent may, upon notice to the other party hereto in writing or by telephone (confirmed immediately by verifiable email), suspend any sale of Shares, and the period set forth in an Issuance Notice shall immediately terminate; provided, however, that (A) such suspension and termination shall not affect or impair either partyâ€™s obligations with respect to any Shares placed or sold hereunder prior to the receipt of such notice; (B) if the Company suspends or terminates any sale of Shares after the Agent confirms such sale to the Company, the Company shall still be obligated to comply with â€ŽSection 3(b)(v) with respect to such Shares; and (C) if the Company defaults in its obligation to deliver Shares on a Settlement Date, the Company agrees that it will hold the Agent harmless against any loss, claim, damage or expense (including, without 19 Â limitation, penalties, interest and reasonable legal fees and expenses), as incurred, arising out of or in connection with such default by the Company. The parties hereto acknowledge and agree that, in performing its obligations under this Agreement, the Agent may borrow Common Shares from stock lenders in the event that the Company has not delivered Shares to settle sales as required by subsection (v) above, and may use the Shares to settle or close out such borrowings. The Company agrees that no such notice shall be effective against the Agent unless it is made to the persons identified in writing by the Agent pursuant to â€ŽSection 3(b)(i). (vii) No Guarantee of Placement, Etc. The Company acknowledges and agrees that (A) there can be no assurance that the Agent will be successful in placing Shares; (B) the Agent will incur no liability or obligation to the Company or any other Person if it does not sell Shares; and (C) the Agent shall be under no obligation to purchase Shares on a principal basis pursuant to this Agreement, except as otherwise specifically agreed by the Agent and the Company. (viii) Material Non-Public Information. Notwithstanding any other provision of this Agreement, the Company and the Agent agree that the Company shall not deliver any Issuance Notice to the Agent, and the Agent shall not be obligated to place any Shares, during any period in which the Company is in possession of material non-public information. (c) Fees. As compensation for services rendered, the Company shall pay to the Agent, on the applicable Settlement Date, the Selling Commission for the applicable Issuance Amount (including with respect to any suspended or terminated sale pursuant to Section 3(b)(vi)) by the Agent deducting the Selling Commission from the applicable Issuance Amount. (d) Expenses. The Company agrees to pay all costs, fees and expenses incurred in connection with the performance of its obligations hereunder and in connection with the transactions contemplated hereby, including without limitation (i) all expenses incident to the issuance and delivery of the Shares (including all printing and engraving costs); (ii) all fees and expenses of the registrar and transfer agent of the Shares; (iii) all necessary issue, transfer and other stamp taxes in connection with the issuance and sale of the Shares; (iv) all fees and expenses of the Companyâ€™s counsel, independent public or certified public accountants and other advisors; (v) all costs and expenses incurred in connection with the preparation, printing, filing, shipping and distribution of the Registration Statement (including financial statements, exhibits, schedules, consents and certificates of experts), the Prospectus, any Free Writing Prospectus (as defined below) prepared by or on behalf of, used by, or referred to by the Company, and all amendments and supplements thereto, and this Agreement; (vi) all filing fees, attorneysâ€™ fees and expenses incurred by the Company or the Agent in connection with qualifying or registering (or obtaining exemptions from the qualification or registration of) all or any part of the Shares for offer and sale under the state securities or blue sky laws or the provincial securities laws of Canada, and, if requested by the Agent, preparing and printing a â€œBlue Sky Surveyâ€ or memorandum and a â€œCanadian wrapper,â€ and any supplements thereto, advising the Agent of such qualifications, registrations, determinations and exemptions; (vii) the reasonable fees and disbursements of the Agentâ€™s counsel, including the reasonable fees and expenses of counsel for the Agent in connection with, FINRA review, if any, and approval of the Agentâ€™s participation in the offering and 20 Â distribution of the Shares; (viii) the filing fees incident to FINRA review, if any; (ix) the costs and expenses of the Company relating to investor presentations on any â€œroad showâ€ previously approved by the Company and undertaken in connection with the marketing of the offering of the Shares, including, without limitation, expenses associated with the preparation or dissemination of any electronic road show, expenses associated with the production of road show slides and graphics, fees and expenses of any consultants engaged in connection with the road show presentations with the prior approval of the Company, travel and lodging expenses of the representatives, employees and officers of the Company and of the Agent and any such consultants, and the cost of any aircraft chartered in connection with the road show; and (x) the fees and expenses associated with listing the Shares on the Principal Market. The fees and disbursements of Agentâ€™s counsel pursuant to subsections (vi) and (vii) above shall not exceed (A) $75,000 in connection with execution of this Agreement; (B) $25,000 in connection with each Triggering Event Date (as defined below) on which the Company is required to provide a certificate pursuant to Section 4(o)(ii) and (C) $15,000 in connection with each Triggering Event Date on which the Company is required to provide a certificate pursuant to Sections 4(o)(i), (iii) and (iv). Section 4. ADDITIONAL COVENANTS The Company covenants and agrees with the Agent as follows, in addition to any other covenants and agreements made elsewhere in this Agreement: (a) Exchange Act Compliance. During the Agency Period, the Company shall (i) file, on a timely basis, with the Commission all reports and documents required to be filed under Section 13, 14 or 15 of the Exchange Act in the manner and within the time periods required by the Exchange Act; and (ii) either (A) include in its quarterly reports on Form 10-Q and its annual reports on Form 10-K, a summary detailing, for the relevant reporting period, (1) the number of Shares sold through the Agent pursuant to this Agreement and (2) the net proceeds received by the Company from such sales or (B) prepare a prospectus supplement containing, or include in such other filing permitted by the Securities Act or Exchange Act (each an â€œInterim Prospectus Supplementâ€), such summary information and, at least once a quarter and subject to this Section 4, file such Interim Prospectus Supplement pursuant to Rule 424(b) under the Securities Act (and within the time periods required by Rule 424(b) and Rule 430B under the Securities Act). (b) Securities Act Compliance. After the date of this Agreement, the Company shall promptly advise the Agent in writing (i) of the receipt of any comments of, or requests for additional or supplemental information from, the Commission related to the sales of Common Shares pursuant to this Agreement; (ii) of the time and date of any filing of any post-effective amendment to the Registration Statement, any Rule 462(b) Registration Statement or any amendment or supplement to the Prospectus or any Free Writing Prospectus related to the sales of Common Shares pursuant to this Agreement; (iii) of the time and date that any post-effective amendment to the Registration Statement or any Rule 462(b) Registration Statement becomes effective; and (iv) of the issuance by the Commission of any stop order suspending the effectiveness of the Registration Statement or any post-effective amendment thereto, any Rule 462(b) Registration Statement or any amendment or supplement to the Prospectus or of any order preventing or suspending the use of any Free Writing Prospectus or the Prospectus, or of any proceedings to remove, suspend or terminate from listing or quotation the Common Shares from 21 Â any securities exchange upon which they are listed for trading or included or designated for quotation, or of the threatening or initiation of any proceedings for any of such purposes. If the Commission shall enter any such stop order at any time, the Company will use its best efforts to obtain the lifting of such order as soon as practicable. Additionally, the Company agrees that it shall comply with the provisions of Rule 424(b) and Rule 433, as applicable, under the Securities Act and will use its reasonable efforts to confirm that any filings made by the Company under such Rule 424(b) or Rule 433 were received in a timely manner by the Commission. (c) Amendments and Supplements to the Prospectus and Other Securities Act Matters. If any event shall occur or condition exist as a result of which it is necessary to amend or supplement the Prospectus so that the Prospectus does not include an untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in light of the circumstances when the Prospectus is delivered to a purchaser, not misleading, or if in the opinion of the Agent or counsel for the Agent it is otherwise necessary to amend or supplement the Prospectus to comply with applicable law, including the Securities Act, the Company agrees (subject to Section 4(d) and 4(f)) to promptly prepare, file with the Commission and furnish at its own expense to the Agent, amendments or supplements to the Prospectus so that the statements in the Prospectus as so amended or supplemented will not include an untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in light of the circumstances when the Prospectus is delivered to a purchaser, not misleading or so that the Prospectus, as amended or supplemented, will comply with applicable law including the Securities Act. Neither the Agentâ€™s consent to, or delivery of, any such amendment or supplement shall constitute a waiver of any of the Companyâ€™s obligations under Sections 4(d) and 4(f). Notwithstanding the foregoing, the Company shall not be required to file such amendment or supplement if there is no pending Issuance Notice and the Company believes it is in its best interests not to file such amendment or supplement. (d) Agentâ€™s Review of Proposed Amendments and Supplements. Prior to amending or supplementing the Registration Statement (including any registration statement filed under Rule 462(b) under the Securities Act), but excluding (i) the filing under the Exchange Act of documents incorporated by reference into the Registration Statement that either (A) do not name the Agent and do not relate to the transactions contemplated by this Agreement or (B) do not include disclosure naming the Agent and regarding the transactions contemplated by this Agreement that is limited to disclosure of periodic sales pursuant to this Agreement, and (ii) amendments or supplements that do not name the Agent and do not relate to the transactions contemplated by this Agreement, or the Prospectus (excluding any amendment or supplement through incorporation of any report filed under the Exchange Act), the Company shall furnish to the Agent for review, a reasonable amount of time prior to the proposed time of filing or use thereof, a copy of each such proposed amendment or supplement, and the Company shall not file or use any such proposed amendment or supplement without the Agentâ€™s prior consent, which shall not be unreasonably withheld, conditioned or delayed, and to file with the Commission within the applicable period specified in Rule 424(b) under the Securities Act any prospectus required to be filed pursuant to such Rule. 22 Â (e) Use of Free Writing Prospectus. Neither the Company nor the Agent has prepared, used, referred to or distributed, or will prepare, use, refer to or distribute, without the other partyâ€™s prior written consent, any â€œwritten communicationâ€ that constitutes a â€œfree writing prospectusâ€ as such terms are defined in Rule 405 under the Securities Act with respect to the offering contemplated by this Agreement (any such free writing prospectus being referred to herein as a â€œFree Writing Prospectusâ€). (f) Free Writing Prospectuses. The Company shall furnish to the Agent for review, a reasonable amount of time prior to the proposed time of filing or use thereof, a copy of each proposed Free Writing Prospectus or any amendment or supplement thereto to be prepared by or on behalf of, used by, or referred to by the Company and the Company shall not file, use or refer to any proposed Free Writing Prospectus or any amendment or supplement thereto without the Agentâ€™s consent, which shall not be unreasonably withheld, conditioned or delayed. The Company shall furnish to the Agent, without charge, as many copies of any Free Writing Prospectus prepared by or on behalf of, or used by the Company, as the Agent may reasonably request. If at any time when a prospectus is required by the Securities Act (including, without limitation, pursuant to Rule 173(d)) to be delivered in connection with sales of the Shares (but in any event if at any time through and including the date of this Agreement) there occurred or occurs an event or development as a result of which any Free Writing Prospectus prepared by or on behalf of, used by, or referred to by the Company conflicted or would conflict with the information contained in the Registration Statement or included or would include an untrue statement of a material fact or omitted or would omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances prevailing at that subsequent time, not misleading, the Company shall promptly amend or supplement such Free Writing Prospectus to eliminate or correct such conflict or so that the statements in such Free Writing Prospectus as so amended or supplemented will not include an untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances prevailing at such subsequent time, not misleading, as the case may be; provided, however, that prior to amending or supplementing any such Free Writing Prospectus, the Company shall furnish to the Agent for review, a reasonable amount of time prior to the proposed time of filing or use thereof, a copy of such proposed amended or supplemented Free Writing Prospectus and the Company shall not file, use or refer to any such amended or supplemented Free Writing Prospectus without the Agentâ€™s consent, which shall not be unreasonably withheld, conditioned or delayed. (g) Filing of Agent Free Writing Prospectuses. The Company shall not take any action that would result in the Agent or the Company being required to file with the Commission pursuant to Rule 433(d) under the Securities Act a Free Writing Prospectus prepared by or on behalf of the Agent that the Agent otherwise would not have been required to file thereunder. (h) Copies of Registration Statement and Prospectus. After the date of this Agreement through the last time that a prospectus is required by the Securities Act (including, without limitation, pursuant to Rule 173(d)) to be delivered in connection with sales of the Shares, the Company agrees to furnish the Agent with copies (which may be electronic copies) of the Registration Statement and each amendment thereto, and with copies of the Prospectus and each amendment or supplement thereto in the form in which it is filed with the Commission pursuant to the Securities Act or Rule 424(b) under the Securities Act, both in such quantities as the Agent may reasonably request from time to time; and, if the delivery of a prospectus is required under 23 Â the Securities Act or under the blue sky or securities laws of any jurisdiction at any time on or prior to the applicable Settlement Date for any period set forth in an Issuance Notice in connection with the offering or sale of the Shares and if at such time any event has occurred as a result of which the Prospectus as then amended or supplemented would include an untrue statement of a material fact or omit to state any material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made when such Prospectus is delivered, not misleading, or, if for any other reason it is necessary during such same period to amend or supplement the Prospectus or to file under the Exchange Act any document incorporated by reference in the Prospectus in order to comply with the Securities Act or the Exchange Act, to notify the Agent and to request that the Agent suspend offers to sell Shares (and, if so notified, the Agent shall cease such offers as soon as practicable); and if the Company decides to amend or supplement the Registration Statement or the Prospectus as then amended or supplemented, to advise the Agent promptly by telephone (with confirmation in writing) and to prepare and cause to be filed promptly with the Commission an amendment or supplement to the Registration Statement or the Prospectus as then amended or supplemented that will correct such statement or omission or effect such compliance; provided, however, that if during such same period the Agent is required to deliver a prospectus in respect of transactions in the Shares, the Company shall promptly prepare and file with the Commission such an amendment or supplement. (i) Blue Sky Compliance. The Company shall cooperate with the Agent and counsel for the Agent to qualify or register the Shares for sale under (or obtain exemptions from the application of) the state securities or blue sky laws or Canadian provincial securities laws (or other foreign laws) of those jurisdictions

designated by the Agent, shall comply with such laws and shall continue such qualifications, registrations and exemptions in effect so long as required for the distribution of the Shares. The Company shall not be required to qualify as a foreign corporation or to take any action that would subject it to general service of process in any such jurisdiction where it is not presently qualified or where it would be subject to taxation as a foreign corporation. The Company will advise the Agent promptly of the suspension of the qualification or registration of (or any such exemption relating to) the Shares for offering, sale or trading in any jurisdiction or any initiation or threat of any proceeding for any such purpose, and in the event of the issuance of any order suspending such qualification, registration or exemption, the Company shall use its best efforts to obtain the withdrawal thereof as soon as reasonably practicable. (j) Earnings Statement. As soon as reasonably practicable, the Company will make generally available to its security holders and to the Agent an earnings statement (which need not be audited) covering a period of at least twelve months beginning with the first fiscal quarter of the Company occurring after the date of this Agreement which shall satisfy the provisions of Section 11(a) of the Securities Act and Rule 158 under the Securities Act. (k) Listing; Reservation of Shares. (a) The Company will use its reasonable best efforts to maintain the listing of the Shares on the Principal Market; and (b) the Company will reserve and keep available at all times, free of preemptive rights, Shares for the purpose of enabling the Company to satisfy its obligations under this Agreement. 24 Â (l) Transfer Agent. The Company shall engage and maintain, at its expense, a registrar and transfer agent for the Shares. (m) Due Diligence. During the term of this Agreement, the Company will reasonably cooperate with any reasonable due diligence review conducted by the Agent in connection with the transactions contemplated hereby, including, without limitation, providing information and making available documents and senior corporate officers, during normal business hours and at the Companyâ€™s principal offices or virtually, as the Agent may reasonably request from time to time. (n) Representations and Warranties. The Company acknowledges that each delivery of an Issuance Notice and each delivery of Shares on a Settlement Date shall be deemed to be (i) an affirmation to the Agent that the representations and warranties, for the avoidance of doubt, subject to any qualifications made therein, including those relating to materiality or Material Adverse Change, of the Company contained in or made pursuant to this Agreement are true and correct as of the date of such Issuance Notice or of such Settlement Date, as the case may be, as though made at and as of each such date, except as may be disclosed in the Prospectus (including any documents incorporated by reference therein and any supplements thereto); and (ii) an undertaking that the Company will advise the Agent if any of such representations and warranties will not be true and correct as of the Settlement Date for the Shares relating to such Issuance Notice, as though made at and as of each such date (except that such representations and warranties shall be deemed to relate to the Registration Statement and the Prospectus as amended and supplemented relating to such Shares). (o) Deliverables at Triggering Event Dates; Certificates. The Company agrees that on or prior to the date of the first Issuance Notice and, during the term of this Agreement after the date of the first Issuance Notice, upon: (i) the filing of the Prospectus or the amendment or supplement of any Registration Statement or Prospectus (other than a prospectus supplement relating solely to an offering of securities other than the Shares or a prospectus filed pursuant to Section 4(a)(ii)(B)), by means of a post-effective amendment, sticker or supplement, but not by means of incorporation of documents by reference into the Registration Statement or Prospectus; (ii) the filing with the Commission of an annual report on Form 10-K (including any Form 10-K/A containing amended financial information or a material amendment to the previously filed annual report on Form 10-K of the Company; (iii) the filing with the Commission of a quarterly report on Form 10-Q (including any Form 10-Q/A containing amended financial information or a material amendment to the previously filed quarterly report on Form 10-Q) of the Company; or (iv) the filing with the Commission of a current report on Form 8-K of the Company (i) containing amended financial information (other than information â€œfurnishedâ€ pursuant to Item 2.02 or 7.01 of Form 8-K or to provide disclosure pursuant to Item 8.01 of Form 8-K relating to reclassification of certain properties as discontinued 25 Â operations in accordance with Statement of Financial Accounting Standards No. 144) and/or (ii) disclosing any material transaction requiring the filing of historical or pro forma financial statements under Item 9.01 of Form 8-K and subject to the guidance set forth in Section 2050.3 of the Financial Reporting Manual of the Commission which is material to the offering of securities of the Company in the Agentâ€™s reasonable discretion; (any such event, a â€œTriggering Event Dateâ€), the Company shall furnish the Agent (but in the case of clause (iv) above only if the Agent reasonably determines that the information contained in such current report on Form 8-K of the Company is material) with a certificate as of the Triggering Event Date, in the form and substance reasonably satisfactory to the Agent and its counsel, substantially similar to the form previously provided to the Agent and its counsel, modified, as necessary, to relate to the Registration Statement and the Prospectus as amended or supplemented, (A) confirming that the representations and warranties of the Company contained in this Agreement are true and correct, (B) confirming that the Company has performed all of its obligations hereunder to be performed on or prior to the date of such certificate and as to the matters set forth in â€ŽSection 5(a)(iii) hereof, and (C) containing any other certification that the Agent shall reasonably request. The requirement to provide a certificate under this Section 4(o) shall be waived for any Triggering Event Date occurring at a time when no Issuance Notice is pending or a suspension is in effect, which waiver shall continue until the earlier to occur of the date the Company delivers instructions for the sale of Shares hereunder (which for such calendar quarter shall be considered a Triggering Event Date) and the next occurring Triggering Event Date. Notwithstanding the foregoing, if the Company subsequently decides to sell Shares following a Triggering Event Date when a suspension was in effect and did not provide the Agent with a certificate under this Section 4(o), then before the Company delivers the instructions for the sale of Shares or the Agent sells any Shares pursuant to such instructions, the Company shall provide the Agent with a certificate in conformity with this Section 4(o) dated as of the date that the instructions for the sale of Shares are issued. (p) Legal Opinions. On or prior to the date of the first Issuance Notice and on or prior to each Triggering Event Date with respect to which the Company is obligated to deliver a certificate pursuant to Section 4(o) for which no waiver is applicable and excluding the date of this Agreement, a negative assurances letter and the written legal opinion of Wilson Sonsini Goodrich & Rosati, P.C., counsel to the Company and Paul Hastings LLP, counsel to the Agent, each dated the date of delivery, in form and substance reasonably satisfactory to Agent and its counsel, substantially similar to the form previously provided to the Agent and its counsel, modified, as necessary, to relate to the Registration Statement and the Prospectus as then amended or supplemented. In lieu of such opinions for subsequent periodic filings, in the discretion of the Agent, the Company may furnish a reliance letter from such counsel to the Agent, permitting the Agent to rely on a previously delivered opinion letter, modified as appropriate for any passage of time or Triggering Event Date (except that statements in such prior opinion shall be deemed to relate to the Registration Statement and the Prospectus as amended or supplemented as of such Triggering Event Date). (q) Comfort Letter. On or prior to the date of the first Issuance Notice and on or prior to each Triggering Event Date with respect to which the Company is obligated to deliver a certificate pursuant to Section 4(o) for which no waiver is applicable and excluding the date of this Agreement, the Company shall cause each of KPMG LLP and Ernst & Young LLP, the 26 Â independent registered public accounting firms who have audited or reviewed the financial statements included or incorporated by reference in the Registration Statement, to furnish the Agent a comfort letter, dated the date of delivery, in form and substance reasonably satisfactory to the Agent and its counsel, substantially similar to the forms previously provided to the Agent and its counsel; provided, however, that any such comfort letter will only be required on the Triggering Event Date specified to the extent that it contains financial statements filed with the Commission under the Exchange Act and incorporated or deemed to be incorporated by reference into a Prospectus. If requested by the Agent, the Company shall also cause a comfort letter to be furnished to the Agent on the date of occurrence of any material transaction or event requiring the filing of a current report on Form 8-K containing material amended financial information of the Company, including the restatement of the Companyâ€™s financial statements. The Company shall be required to furnish no more than one comfort letter hereunder per calendar quarter. (r) Secretaryâ€™s Certificate. On or prior to the date of the first Issuance Notice and on or prior to each Triggering Event Date, the Company shall furnish the Agent a certificate executed by the Secretary of the Company, signing in such capacity, dated the date of delivery (i) certifying that attached thereto are true and complete copies of the resolutions duly adopted by the Board of Directors of the Company authorizing the execution and delivery of this Agreement and the consummation of the transactions contemplated hereby (including, without limitation, the issuance of the Shares pursuant to this Agreement), which authorization shall be in full force and effect on and as of the date of such certificate, (ii) certifying and attesting to the office, incumbency, due authority and specimen signatures of each Person who executed this Agreement for or on behalf of the Company, and (iii) containing any other certification that the Agent shall reasonably request. (s) Agentâ€™s Own Account; Clientsâ€™ Account. The Company consents to the Agent trading, in compliance with applicable law, in the Common Shares for the Agentâ€™s own account and for the account of its clients at the same time as sales of the Shares occur pursuant to this Agreement. (t) Investment Limitation. The Company shall not invest, or otherwise use the proceeds received by the Company from its sale of the Shares in such a manner as would require the Company or any of its subsidiaries to register as an investment company under the Investment Company Act. (u) Market Activities. The Company has not taken, and will not take, directly or indirectly, any action designed to or that might be reasonably expected to cause or result in stabilization or manipulation of the price of the Shares or any other reference security, whether to facilitate the sale or resale of the Shares or otherwise, and the Company will, and shall use commercially reasonable efforts to cause each of its Affiliates to, comply with all applicable provisions of Regulation M. If the limitations of Rule 102 of Regulation M (â€œRule 102â€) do not apply with respect to the Shares or any other reference security pursuant to any exception set forth in Section (d) of Rule 102, then promptly upon notice from the Agent (or, if later, at the time stated in the notice), the Company will, and shall use commercially reasonable efforts to cause each of its Affiliates to, comply with Rule 102 as though such exception were not available but the other provisions of Rule 102 (as interpreted by the Commission) did apply. The Company shall promptly notify the Agent if it no longer meets the requirements set forth in Section (d) of Rule 102. 27 Â (v) Notice of Other Sale. Without the written consent of the Agent, the Company will not, directly or indirectly, offer to sell, sell, contract to sell, grant any option to sell or otherwise dispose of any Common Shares or securities convertible into or exchangeable for Common Shares (other than Shares hereunder), warrants or any rights to purchase or acquire Common Shares, or effect a reverse stock split, recapitalization, share consolidation, reclassification or similar transaction affecting the outstanding Common Shares, during the period beginning on the second Trading Day immediately prior to the date on which any Issuance Notice is delivered to the Agent hereunder and ending on the second Trading Day immediately following the Settlement Date with respect to Shares sold pursuant to such Issuance Notice; and will not directly or indirectly enter into any other â€œat marketâ€ or continuous equity transaction to offer to sell, sell, contract to sell, grant any option to sell or otherwise dispose of any Common Shares (other than the Shares offered pursuant to this Agreement) or securities convertible into or exchangeable for Common Shares, warrants or any rights to purchase or acquire, Common Shares prior to the termination of this Agreement; provided, however, that such restrictions will not be required in connection with the Companyâ€™s (i) offer, issuance or sale of Common Shares, options to purchase Common Shares, restricted stock, restricted stock units or Common Shares issuable upon the exercise of options or vesting and settlement of restricted stock units or other equity awards pursuant to any employee or director share option, incentive or benefit plan, share purchase or ownership plan, long-term incentive plan, dividend reinvestment plan, inducement award or issuance of equity in lieu of cash compensation under the rules of the Principal Market or other compensation plan of, or similar standalone award granted by, the Company or its subsidiaries, as in effect on the date of this Agreement or entered into in the future; (ii) offer, issuance or sale of Common Shares as contingent merger consideration pursuant to the Agreement and Plan of Merger, dated as of April 5, 2021 (as amended by Amendment No. 1, the â€œMerger Agreementâ€), by and among the Company and the other parties named therein; (iii) offer, issuance or sale of Common Shares issuable upon exchange, conversion or redemption of securities or the exercise or vesting of warrants, options or other equity awards, including in connection with sell to cover transactions by the holders thereof relating to the foregoing; (iv) issuance, grant or sale of Common Shares or securities convertible into Common Shares as consideration for mergers, acquisitions, other business combinations, joint ventures, strategic alliances and other business transactions (including, without limitation, collaborations or arrangements involving research, development and/or commercialization activities) occurring after the date of this Agreement which are not used primarily for capital raising purposes; provided that in the case of this clause (v), such issuances shall not be greater than 5% of the total outstanding shares of the Company immediately following the issuance of such shares; and (vi) modification of any outstanding options, warrants of any rights to purchase or acquire Common Shares. (w) Emerging Growth Company. The Company will promptly notify the Agent if the Company ceases to be an Emerging Growth Company. 28 Â Section 5. CONDITIONS TO DELIVERY OF ISSUANCE NOTICES AND TO SETTLEMENT (a) Conditions Precedent to the Right of the Company to Deliver an Issuance Notice and the Obligation of the Agent to Sell Shares. The right of the Company to deliver an Issuance Notice hereunder is subject to the satisfaction, on the date of delivery of such Issuance Notice, and the obligation of the Agent to use its commercially reasonable efforts to place Shares during the applicable period set forth in the Issuance Notice is subject to the satisfaction, on each Trading Day during the applicable period set forth in the Issuance Notice, of each of the following conditions: (i) Accuracy of the Companyâ€™s Representations and Warranties; Performance by the Company. The representations and warranties of the Company contained in this Agreement are true and correct as of the date of the Issuance Notice (other than representations and warranties made as of a specific date that shall be true and correct as of such date), and the Company shall have delivered the certificate required to be delivered pursuant to Section 4(o) on or before the date on which delivery of such certificate is required pursuant to Section 4(o). The Company shall have performed, satisfied and complied with all covenants, agreements and conditions required by this Agreement to be performed, satisfied or complied with by the Company at or prior to such date, including, but not limited to, the covenants contained in â€ŽSection 4(p), Section 4(q) and Section 4(r). (ii) No Injunction. No statute, rule, regulation, executive order, decree, ruling or injunction shall have been enacted, entered, promulgated or endorsed by any court or governmental authority of competent jurisdiction or any self-regulatory organization having authority over the matters contemplated hereby that prohibits or directly and materially adversely affects any of the transactions contemplated by this Agreement, and no proceeding shall have been commenced that may have the effect of prohibiting or materially adversely affecting any of the transactions contemplated by this Agreement. (iii) Material Adverse Changes. Except as disclosed in the Prospectus and the Time of Sale Information, (a) in the judgment of the Agent there shall not have occurred any Material Adverse Change; and (b) there shall not have occurred any downgrading, nor shall any notice have been given of any intended or potential downgrading or of any review for a possible change that does not indicate the direction of the possible change, in the rating accorded any securities of the Company or any of its subsidiaries by any â€œnationally recognized statistical rating organizationâ€ as such term is defined for purposes of Section 3(a)(62) of the Exchange Act. (iv) No Suspension of Trading in or Delisting of Common Shares; Other Events. The trading of the Common Shares (including without limitation the Shares) shall not have been suspended by the Commission, the Principal Market or FINRA and the Common Shares (including without limitation the Shares) shall have been approved for listing or quotation on and shall not have been delisted from the Nasdaq Stock Market, the New York Stock Exchange or any of their constituent markets. There shall not have occurred (and be continuing in the case of occurrences under clauses (i) and (ii) below) any 29 Â of the following: (i) trading or quotation in any of the Companyâ€™s securities shall have been suspended or limited by the Commission or by the Principal Market or trading in securities generally on the Principal Market either shall have been suspended or limited, or minimum or maximum prices shall have been generally established on any of such stock exchanges by the Commission or FINRA; (ii) a general banking moratorium shall have been declared by any of federal or New York, authorities; or (iii) there shall have occurred any outbreak or escalation of national or international hostilities or any crisis or calamity, or any change in the United States or international financial markets, or any substantial change or development involving a prospective substantial change in United Statesâ€™ or international political, financial or economic conditions, as in the judgment of the Agent is material and adverse and makes it impracticable to market the Shares in the manner and on the terms described in the Prospectus or to enforce contracts for the sale of securities. (b) Documents Required to be Delivered on each Issuance Notice Date. The Agentâ€™s obligation to use its commercially reasonable efforts to place Shares hereunder shall additionally be conditioned upon the delivery to the Agent on or before the Issuance Notice Date of a certificate in form and substance reasonably satisfactory to the Agent, executed by the Chief Executive Officer, President or Chief Financial Officer of the Company, to the effect that all conditions to the delivery of such Issuance Notice shall have been satisfied as at the date of such certificate (which certificate shall not be required if the foregoing representations shall be set forth in the Issuance Notice). (c) No Misstatement or Material Omission. The Agent shall not have advised the Company that the Registration Statement, the Prospectus or the Time of Sale Information, or any amendment or supplement thereto, contains an untrue statement of fact that in the Agentâ€™s reasonable opinion is material, or omits to state a fact that in the Agentâ€™s reasonable opinion is material and is required to be stated therein or is necessary to make the statements therein not misleading. Section 6. INDEMNIFICATION AND CONTRIBUTION (a) Indemnification of the Agent. The Company agrees to indemnify and hold harmless the Agent, its officers and employees, and each person, if any, who controls the Agent within the meaning of the Securities Act or the Exchange Act against any loss, claim, damage, liability or expense, as incurred, to which the Agent or such officer, employee or controlling person may become subject, under the Securities Act, the Exchange Act, other federal or state statutory law or regulation, or the laws or regulations of foreign jurisdictions where Shares have been offered or sold or at common law or otherwise (including in settlement of any litigation), insofar as such loss, claim, damage, liability or expense (or actions

in respect thereof as contemplated below) arises out of or is based upon (i) any untrue statement or alleged untrue statement of a material fact contained in the Registration Statement, or any amendment thereto, including any information deemed to be a part thereof pursuant to Rule 430B under the Securities Act, or the omission or alleged omission therefrom of a material fact required to be stated therein or necessary to make the statements therein not misleading; (ii) any untrue statement or alleged untrue statement of a material fact contained in any Free Writing Prospectus that the Company has used, referred to or filed, or is required to file, pursuant to Rule 433(d) of the Securities Act or the Prospectus (or any amendment or supplement thereto), or the omission or alleged omission therefrom of a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were 30 Â made, not misleading; or (iii) any act or failure to act or any alleged act or failure to act by the Agent in connection with, or relating in any manner to, the Common Shares or the offering contemplated hereby, and which is included as part of or referred to in any loss, claim, damage, liability or action arising out of or based upon any matter covered by clause (i) or (ii) above, provided that the Company shall not be liable under this clause (iii) to the extent that a court of competent jurisdiction shall have determined by a final judgment that such loss, claim, damage, liability or action resulted directly from any such acts or failures to act undertaken or omitted to be taken by the Agent through its bad faith or willful misconduct, and to reimburse the Agent and each such officer, employee and controlling person for any and all reasonable and documented expenses (including the reasonable and documented fees and disbursements of counsel chosen by the Agent) as such documented expenses are reasonably incurred by the Agent or such officer, employee or controlling person in connection with investigating, defending, settling, compromising or paying any such loss, claim, damage, liability, expense or action; provided, however, that the foregoing indemnity agreement shall not apply to any loss, claim, damage, liability or expense to the extent, but only to the extent, arising out of or based upon any untrue statement or alleged untrue statement or omission or alleged omission made in reliance upon and in conformity with written information furnished to the Company by the Agent expressly for use in the Registration Statement, any such Free Writing Prospectus or the Prospectus (or any amendment or supplement thereto), it being understood and agreed that the only such information furnished by the Agent to the Company consists of the information set forth in the ninth paragraph under the section â€œPlan of Distributionâ€ in the Prospectus (the â€œAgent Informationâ€). The indemnity agreement set forth in this â€ŽSection 6(a) shall be in addition to any liabilities that the Company may otherwise have. (b) Indemnification of the Company, its Directors and Officers. The Agent agrees to indemnify and hold harmless the Company, each of its directors, each of its officers who signed the Registration Statement and each person, if any, who controls the Company within the meaning of the Securities Act or the Exchange Act against any loss, claim, damage, liability or expense, as incurred, to which the Company or any such director, officer or controlling person may become subject, under the Securities Act, the Exchange Act, or other federal or state statutory law or regulation, or the laws or regulations of foreign jurisdictions where Shares have been offered or sold or at common law or otherwise (including in settlement of any litigation), insofar as such loss, claim, damage, liability or expense (or actions in respect thereof as contemplated below) arises out of or is based upon (i) any untrue statement or alleged untrue statement of a material fact contained in the Registration Statement, or any amendment thereto, including any information deemed to be a part thereof pursuant to Rule 430B under the Securities Act, or the omission or alleged omission therefrom of a material fact required to be stated therein or necessary to make the statements therein not misleading; or (ii) any untrue statement or alleged untrue statement of a material fact contained in any Free Writing Prospectus that the Company has used, referred to or filed, or is required to file, pursuant to Rule 433(d) of the Securities Act or the Prospectus (or any amendment or supplement thereto), or the omission or alleged omission therefrom of a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading; and to reimburse the Company and each such director, officer and controlling person for any and all reasonable and documented expenses (including the reasonable and documented fees and disbursements of counsel chosen by the Company) as such expenses are reasonably incurred by the Company or such officer, director or controlling person in connection with investigating, defending, settling, compromising or paying any such loss, claim, damage, 31 Â liability, expense or action; provided, however, that the foregoing indemnity agreement shall not apply to any loss, claim, damage, liability or expense to the extent, but only to the extent, arising out of or based upon any untrue statement or alleged untrue statement or omission or alleged omission made in reliance upon and in conformity with the Agent Information. The indemnity agreement set forth in this Section 6(b) shall be in addition to any liabilities that the Agent may otherwise have. (c) Notifications and Other Indemnification Procedures. Promptly after receipt by an indemnified party under this â€ŽSection 6 of notice of the commencement of any action, such indemnified party will, if a claim in respect thereof is to be made against an indemnifying party under this â€ŽSection 6, notify the indemnifying party in writing of the commencement thereof, but the omission so to notify the indemnifying party will not relieve it from any liability which it may have to any indemnified party for contribution or otherwise than under the indemnity agreement contained in this â€ŽSection 6 or to the extent it is not prejudiced as a proximate result of such failure. In case any such action is brought against any indemnified party and such indemnified party seeks or intends to seek indemnity from an indemnifying party, the indemnifying party will be entitled to participate in, and, to the extent that it shall elect, jointly with all other indemnifying parties similarly notified, by written notice delivered to the indemnified party promptly after receiving the aforesaid notice from such indemnified party, to assume the defense thereof with counsel reasonably satisfactory to such indemnified party; provided, however, if the defendants in any such action include both the indemnified party and the indemnifying party and the indemnified party shall have reasonably concluded that a conflict may arise between the positions of the indemnifying party and the indemnified party in conducting the defense of any such action or that there may be legal defenses available to it and/or other indemnified parties which are different from or additional to those available to the indemnifying party, the indemnified party or parties shall have the right to select separate counsel to assume such legal defenses and to otherwise participate in the defense of such action on behalf of such indemnified party or parties. Upon receipt of notice from the indemnifying party to such indemnified party of such indemnifying partyâ€™s election so to assume the defense of such action and approval by the indemnified party of counsel, the indemnifying party will not be liable to such indemnified party under this â€ŽSection 6 for any legal or other expenses subsequently incurred by such indemnified party in connection with the defense thereof unless (i) the indemnified party shall have employed separate counsel in accordance with the proviso to the preceding sentence (it being understood, however, that the indemnifying party shall not be liable for the fees and expenses of more than one separate counsel (together with local counsel), representing the indemnified parties who are parties to such action), which counsel (together with any local counsel) for the indemnified parties shall be selected by the Agent (in the case of counsel for the indemnified parties referred to in â€ŽSection 6(a) above), (ii) the indemnifying party shall not have employed counsel resasonably satisfactory to the indemnified party to represent the indemnified party within a reasonable time after notice of commencement of the action or (iii) the indemnifying party has authorized in writing the employment of counsel for the indemnified party at the expense of the indemnifying party, in each of which cases the fees and expenses of counsel shall be at the expense of the indemnifying party and shall be paid as they are incurred. 32 Â (d) Settlements. The indemnifying party under this â€ŽSection 6 shall not be liable for any settlement of any proceeding effected without its written consent, but if settled with such consent or if there be a final judgment for the plaintiff, the indemnifying party agrees to indemnify the indemnified party against any loss, claim, damage, liability or expense by reason of such settlement or judgment. Notwithstanding the foregoing sentence, if at any time an indemnified party shall have requested an indemnifying party to reimburse the indemnified party for fees and expenses of counsel as contemplated by â€ŽSection 6(c) hereof, the indemnifying party agrees that it shall be liable for any settlement of any proceeding effected without its written consent if (i) such settlement is entered into more than sixty (60) calendar days after receipt by such indemnifying party of the aforesaid request; and (ii) such indemnifying party shall not have reimbursed the indemnified party in accordance with such request prior to the date of such settlement. No indemnifying party shall, without the prior written consent of the indemnified party, effect any settlement, compromise or consent to the entry of judgment in any pending or threatened action, suit or proceeding in respect of which any indemnified party is or could have been a party and indemnity was or could have been sought hereunder by such indemnified party, unless such settlement, compromise or consent includes an unconditional release of such indemnified party from all liability on claims that are the subject matter of such action, suit or proceeding. (e) Contribution. If the indemnification provided for in this â€ŽSection 6 is for any reason held to be unavailable to or otherwise insufficient to hold harmless an indemnified party in respect of any losses, claims, damages, liabilities or expenses referred to therein, then each indemnifying party shall contribute to the aggregate amount paid or payable by such indemnified party, as incurred, as a result of any losses, claims, damages, liabilities or expenses referred to therein (i) in such proportion as is appropriate to reflect the relative benefits received by the Company, on the one hand, and the Agent, on the other hand, from the offering of the Shares pursuant to this Agreement; or (ii) if the allocation provided by clause (i) above is not permitted by applicable law, in such proportion as is appropriate to reflect not only the relative benefits referred to in clause (i) above but also the relative fault of the Company, on the one hand, and the Agent, on the other hand, in connection with the statements or omissions which resulted in such losses, claims, damages, liabilities or expenses, as well as any other relevant equitable considerations. The relative benefits received by the Company, on the one hand, and the Agent, on the other hand, in connection with the offering of the Shares pursuant to this Agreement shall be deemed to be in the same respective proportions as the total gross proceeds from the offering of the Shares (before deducting expenses) received by the Company bear to the total Selling Commissions received by the Agent. The relative fault of the Company, on the one hand, and the Agent, on the other hand, shall be determined by reference to, among other things, whether any such untrue or alleged untrue statement of a material fact or omission or alleged omission to state a material fact relates to information supplied by the Company, on the one hand, or the Agent, on the other hand, and the partiesâ€™ relative intent, knowledge, access to information and opportunity to correct or prevent such statement or omission. The amount paid or payable by a party as a result of the losses, claims, damages, liabilities and expenses referred to above shall be deemed to include, subject to the limitations set forth in Section 6(c), any legal or other fees or expenses reasonably incurred by such party in connection with investigating or defending any action or claim. The provisions set forth in Section 6(c) with respect to notice of commencement of any action shall apply if a claim for contribution is to be made under this Section 6(e); provided, however, that no additional notice shall be required with 33 Â respect to any action for which notice has been given under Section 6(c) for purposes of indemnification. The Company and the Agent agree that it would not be just and equitable if contribution pursuant to this Section 6(e) were determined by pro rata allocation or by any other method of allocation which does not take account of the equitable considerations referred to in this Section 6(e). Notwithstanding the provisions of this Section 6(e), the Agent shall not be required to contribute any amount in excess of the Selling Commissions received by the Agent in connection with the offering contemplated hereby. No person guilty of fraudulent misrepresentation (within the meaning of Section 11(f) of the Securities Act) shall be entitled to contribution from any person who was not guilty of such fraudulent misrepresentation. For purposes of this Section 6(e), each officer and employee of the Agent and each person, if any, who controls the Agent within the meaning of the Securities Act or the Exchange Act shall have the same rights to contribution as the Agent, and each director of the Company, each officer of the Company who signed the Registration Statement, and each person, if any, who controls the Company within the meaning of the Securities Act and the Exchange Act shall have the same rights to contribution as the Company. Section 7. TERMINATION & SURVIVAL (a) Term. Subject to the provisions of this â€ŽSection 7, the term of this Agreement shall continue from the date of this Agreement until the end of the Agency Period, unless earlier terminated by the parties to this Agreement pursuant to this â€ŽSection 7. (b) Termination; Survival Following Termination. (i) Either party may terminate this Agreement prior to the end of the Agency Period, by giving written notice as required by this Agreement, upon ten (10) Trading Daysâ€™ notice to the other party; provided that, (A) if the Company terminates this Agreement after the Agent confirms to the Company any sale of Shares, the Company shall remain obligated to comply with â€ŽSection 3(b)(v) with respect to such Shares and (B) â€ŽSection 2, â€ŽSection 6, â€ŽSection 7 and â€ŽSection 8 shall survive termination of this Agreement. If termination shall occur prior to the Settlement Date for any sale of Shares, such sale shall nevertheless settle in accordance with the terms of this Agreement. (ii) In addition to the survival provision of â€ŽSection 7(b)(i), the respective indemnities, agreements, representations, warranties and other statements of the Company, of its officers and of the Agent set forth in or made pursuant to this Agreement will remain in full force and effect, regardless of any investigation made by or on behalf of the Agent or the Company or any of its or their partners, officers or directors or any controlling person, as the case may be, and, anything herein to the contrary notwithstanding, will survive delivery of and payment for the Shares sold hereunder and any termination of this Agreement. 34 Â Section 8. MISCELLANEOUS (a) Press Releases and Disclosure. The Company may issue a press release describing the material terms of the transactions contemplated hereby as soon as practicable following the date of this Agreement, and may file with the Commission a Current Report on Form 8â€‘K, with this Agreement attached as an exhibit thereto, describing the material terms of the transactions contemplated hereby, and the Company shall consult with the Agent prior to making such disclosures, and the parties hereto shall use all commercially reasonable efforts, acting in good faith, to agree upon a text for such disclosures that is reasonably satisfactory to all parties hereto. No party hereto shall issue thereafter any press release or like public statement (with the exception of any disclosure required in reports filed with the Commission pursuant to the Exchange Act) related to this Agreement or any of the transactions contemplated hereby without the prior written approval of the other party hereto, except as may be necessary or appropriate in the reasonable opinion of the party seeking to make disclosure to comply with the requirements of applicable law or stock exchange rules. If any such press release or like public statement is so required, the party making such disclosure shall consult with the other party prior to making such disclosure, and the parties shall use all commercially reasonable efforts, acting in good faith, to agree upon a text for such disclosure that is reasonably satisfactory to all parties hereto. (b) No Advisory or Fiduciary Relationship. The Company acknowledges and agrees that (i) the transactions contemplated by this Agreement, including the determination of any fees, are armâ€™s-length commercial transactions between the Company and the Agent, (ii) when acting as a principal under this Agreement, the Agent is and has been acting solely as a principal and is not the agent or fiduciary of the Company, or its stockholders, creditors, employees or any other party, (iii) the Agent has not assumed nor will assume an advisory or fiduciary responsibility in favor of the Company with respect to the transactions contemplated hereby or the process leading thereto (irrespective of whether the Agent has advised or is currently advising the Company on other matters) and the Agent does not have any obligation to the Company with respect to the transactions contemplated hereby except the obligations expressly set forth in this Agreement, (iv) the Agent and its Affiliates may be engaged in a broad range of transactions that involve interests that differ from those of the Company, and (v) the Agent has not provided any legal, accounting, regulatory or tax advice with respect to the transactions contemplated hereby and the Company has consulted its own legal, accounting, regulatory and tax advisors to the extent it deemed appropriate. (c) Research Analyst Independence. The Company acknowledges that the Agentâ€™s research analysts and research departments are required to and should be independent from their respective investment banking divisions and are subject to certain regulations and internal policies, and as such the Agentâ€™s research analysts may hold views and make statements or investment recommendations and/or publish research reports with respect to the Company or the offering contemplated by this Agreement that differ from the views of their respective investment banking divisions. The Company understands that the Agent is a full service securities firm and as such from time to time, subject to applicable securities laws, may effect transactions for its own account or the account of its customers and hold long or short positions in debt or equity securities of the companies that may be the subject of the transactions contemplated by this Agreement. 35 Â (d) Notices. All communications hereunder shall be in writing and shall be mailed, hand delivered, sent via electronic mail (if applicable) or telecopied and confirmed to the parties hereto as follows: If to the Agent: Jefferies LLC 520 Madison Avenue New York, NY 10022 Attention: General Counsel and an additional copy (which shall not constitute notice) to: Paul Hastings LLP The MetLife Building 200 Park Avenue New York, New York 10166 Attention: Siavosh Salimi and William A. Magioncalda If to the Company: Palladyne AI Corp. 650 South 500 West, Suite 150 Salt Lake City, Utah 84101 Attention: Ben Wolff, Trevor Thatcher and Stephen Sonne with a copy (which shall not constitute notice) to: Wilson Sonsini Goodrich & Rosati, P.C. 701 5th Ave., Suite 5100 Seattle, WA 98104-7036 Attention: Michael Nordtvedt Any party hereto may change the address for receipt of communications by giving written notice to the others in accordance with this â€ŽSection 8(d). (e) Successors. This Agreement will inure to the benefit of and be binding upon the parties hereto, and to the benefit of the employees, officers and directors and controlling persons referred to in â€ŽSection 6, and in each case their respective successors, and no other person will have any right or obligation hereunder. The term â€œsuccessorsâ€ shall not include any purchaser of the Shares as such from the Agent merely by reason of such purchase. (f) Partial Unenforceability. The invalidity or unenforceability of any Article, Section, paragraph or provision of this Agreement shall not affect the validity or enforceability of any other Article, Section, paragraph or provision hereof. If any Article, Section, paragraph or provision of this Agreement is for any reason determined to be invalid or unenforceable, there shall be deemed to be made such minor changes (and only such minor changes) as are necessary to make it valid and enforceable. 36 Â (g) Recognition of U.S. Special Resolutions Regimes. In the event that the Agent is a Covered Entity and becomes subject to a proceeding under a U.S. Special Resolution Regime, the transfer from the Agent of this Agreement, and any interest and obligation in or under this Agreement, will be effective to the same extent as the transfer would be effective under the U.S. Special Resolution Regime if this Agreement, and any such interest and obligation, were governed by the laws of the United States or a state of the

United States. In the event that the Agent is a Covered Entity and the Agent or a BHC Act Affiliate of the Agent becomes subject to a proceeding under a U.S. Special Resolution Regime, Default Rights under this Agreement that may be exercised against the Agent are permitted to be exercised to no greater extent than such Default Rights could be exercised under the U.S. Special Resolution Regime if this Agreement were governed by the laws of the United States or a state of the United States. For purposes of this Agreement, (A) â€œBHC Act Affiliateâ€ has the meaning assigned to the term â€œaffiliateâ€ in, and shall be interpreted in accordance with, 12 U.S.C. Â§ 1841(k); (B) â€œCovered Entityâ€ means any of the following: (i) a â€œcovered entityâ€ as that term is defined in, and interpreted in accordance with, 12 C.F.R. Â§ 252.82(b); (ii) a â€œcovered bankâ€ as that term is defined in, and interpreted in accordance with, 12 C.F.R. Â§ 47.3(b); or (iii) a â€œcovered FSIâ€ as that term is defined in, and interpreted in accordance with, 12 C.F.R. Â§ 382.2(b); (C) â€œDefault Rightâ€ has the meaning assigned to that term in, and shall be interpreted in accordance with, 12 C.F.R. Â§Â§ 252.81, 47.2 or 382.1, as applicable; and (D) â€œU.S. Special Resolution Regimeâ€ means each of (i) the Federal Deposit Insurance Act and the regulations promulgated thereunder and (ii) Title II of the Dodd-Frank Wall Street Reform and Consumer Protection Act and the regulations promulgated thereunder. (h) Governing Law Provisions. This Agreement shall be governed by and construed in accordance with the internal laws of the State of New York applicable to agreements made and to be performed in such state. Any legal suit, action or proceeding arising out of or based upon this Agreement or the transactions contemplated hereby (â€œRelated Proceedingsâ€) may be instituted in the federal courts of the United States of America located in the Borough of Manhattan in the City of New York or the courts of the State of New York in each case located in the Borough of Manhattan in the City of New York (collectively, the â€œSpecified Courtsâ€), and each party irrevocably submits to the exclusive jurisdiction (except for proceedings instituted in regard to the enforcement of a judgment of any such court (a â€œRelated Judgmentâ€), as to which such jurisdiction is non-exclusive) of such courts in any such suit, action or proceeding. Service of any process, summons, notice or document by mail to such partyâ€™s address set forth above shall be effective service of process for any suit, action or other proceeding brought in any such court. The parties irrevocably and unconditionally waive any objection to the laying of venue of any suit, action or other proceeding in the Specified Courts and irrevocably and unconditionally waive and agree not to plead or claim in any such court that any such suit, action or other proceeding brought in any such court has been brought in an inconvenient forum. (i) General Provisions. This Agreement constitutes the entire agreement of the parties to this Agreement and supersedes all prior written or oral and all contemporaneous oral agreements, understandings and negotiations with respect to the subject matter hereof. This Agreement may be executed in two or more counterparts, each one of which shall be an original, with the same effect as if the signatures thereto and hereto were upon the same instrument, and may be delivered by facsimile transmission or by electronic delivery of a portable document format (PDF) file (including any electronic signature complying with the U.S. federal ESIGN Act of 2000, e.g., www.docusign.com or www.echosign.com). This Agreement may not be amended or modified 37 Â unless in writing by all of the parties hereto, and no condition herein (express or implied) may be waived unless waived in writing by each party whom the condition is meant to benefit. The Article and Section headings herein are for the convenience of the parties only and shall not affect the construction or interpretation of this Agreement. [Signature Page Immediately Follows] 38 Â If the foregoing is in accordance with your understanding of our agreement, kindly sign and return to the Company the enclosed copies hereof, whereupon this instrument, along with all counterparts hereof, shall become a binding agreement in accordance with its terms Â Very truly yours, Â Â PALLADYNE AI CORP. Â Â By: /s/ Benjamin G. Wolff Â Name: Benjamin G. Wolff Â Title: Chief Executive Officer Â The foregoing Agreement is hereby confirmed and accepted by the Agent in New York, New York as of the date first above written. Â Â JEFFERIES LLC Â Â By: /s/ Michael Magarro Â Name: Michael Magarro Â Title: Managing Director Â Â Â EXHIBIT A ISSUANCE NOTICE [Date] Jefferies LLC 520 Madison Avenue New York, New York 10022 Attn: [_____] Reference is made to the Open Market Sale Agreement between Palladyne AI Corp. (the â€œCompanyâ€) and Jefferies LLC (the â€œAgentâ€) dated as of November 13, 2024. The Company confirms that all conditions to the delivery of this Issuance Notice are satisfied as of the date hereof. Date of Delivery of Issuance Notice (determined pursuant to â€ŽSection 3(b)(i)): Â Â Issuance Amount (equal to the total Sales Price for such Shares): Â Â $ Â Â Â Â Number of days in selling period: Â Â Â Â Â First date of selling period: Â Â Â Â Â Last date of selling period: Â Â Â Â Â Settlement Date(s) if other than standard T+1 settlement: Â Â Â Â Â Â Â Floor Price Limitation (in no event less than $1.00 without the prior written consent of the Agent, which consent may be withheld in the Agentâ€™s sole discretion): $ ____ per share Â Comments: Â Â Â Â Â Â Â Â Â By: Â Â Name: Â Title: Â Â A-1 Â Schedule A Notice Parties The Company Ben Wolff [***] Stephen Sonne [***] Trevor Thatcher [***] The Agent Michael Magarro Donald Lynaugh Â EX-31.1 5 pdyn-ex31_1.htm EX-31.1 EX-31.1 Â Exhibit 31.1 CERTIFICATION PURSUANT TO RULES 13a-14(a) AND 15d-14(a) UNDER THE SECURITIES EXCHANGE ACT OF 1934, AS ADOPTED PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002 I, Benjamin G. Wolff, certify that: 1.I have reviewed this Quarterly Report on Form 10-Q of Palladyne AI Corp.; 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 registrant'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 registrant'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; and (d)Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and 5.The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant'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 registrant's ability to record, process, summarize and report financial information; and (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting. Â Date: November 13, 2024 By: /s/ Benjamin G. Wolff Benjamin G. Wolff President and Chief Executive Officer(Principal Executive Officer) Â Â EX-31.2 6 pdyn-ex31_2.htm EX-31.2 EX-31.2 Â Exhibit 31.2 CERTIFICATION PURSUANT TO RULES 13a-14(a) AND 15d-14(a) UNDER THE SECURITIES EXCHANGE ACT OF 1934, AS ADOPTED PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002 I, Trevor Thatcher, certify that: 1.I have reviewed this Quarterly Report on Form 10-Q of Palladyne AI Corp.; 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 registrant'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 registrant'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; and (d)Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and 5.The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant'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 registrant's ability to record, process, summarize and report financial information; and (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting. Â Date: November 13, 2024 By: /s/ Trevor Thatcher Trevor Thatcher Chief Financial Officer(Principal Financial and Accounting Officer) Â Â EX-32.1 7 pdyn-ex32_1.htm EX-32.1 EX-32.1 Â Exhibit 32.1 CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002 In connection with the Quarterly Report of Palladyne AI Corp. (the â€œCompanyâ€) on Form 10-Q for the period ending September 30, 2024 as filed with the Securities and Exchange Commission on the date hereof (the â€œReportâ€), I certify, pursuant to 18 U.S.C. Â§ 1350, as adopted pursuant to Â§ 906 of the Sarbanes-Oxley Act of 2002, that, to my knowledge: (1) The Report fully complies with the requirements of section 13(a) or 15(d), as applicable, of the Securities Exchange Act of 1934; and (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company. Â Date: November 13, 2024 By: /s/ Benjamin G. Wolff Benjamin G. Wolff President and Chief Executive Officer(Principal Executive Officer) Â Â EX-32.2 8 pdyn-ex32_2.htm EX-32.2 EX-32.2 Â Exhibit 32.2 CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002 In connection with the Quarterly Report of Palladyne AI Corp. (the â€œCompanyâ€) on Form 10-Q for the period ending September 30, 2024 as filed with the Securities and Exchange Commission on the date hereof (the â€œReportâ€), I certify, pursuant to 18 U.S.C. Â§ 1350, as adopted pursuant to Â§ 906 of the Sarbanes-Oxley Act of 2002, that, to my knowledge: (1) The Report fully complies with the requirements of section 13(a) or 15(d), as applicable, of the Securities Exchange Act of 1934; and (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company. Â Date: November 13, 2024 By: /s/ Trevor Thatcher Trevor Thatcher Chief Financial Officer(Principal Financial and Accounting Officer) Â Â GRAPHIC 9 img58201155_0.jpg GRAPHIC begin 644 img58201155_0.jpg M_]C_X 02D9)1@ ! 0$ 8 !@ #_VP!# @&!@<&!0@'!P<)"0@*#!0-# L+ M#!D2$P\4'1H?'AT:'!P@)"XG(" (L(QP<*#/P_\0 &0$ P$! 0 @,$ M $% \0 *!$ @(! $$ @,! 0 0(Q$$$B$Q,A,S46$B04*!\'&A M_]H # ,! (1 Q$ /P"@Q?5<24'&%5IB*_5&VFGR6DHGWE -J 6@7)O<)4 ? M:#N> <%/*+$D7BDK<*E+4VOO)*E*O7='+K0Y.5=4ACH294OA5!A;12%V2%I&M*B M.ILE0'\LQ00&KS(5)KMVGJ,9)SQPU(U*IS\XU-L.-(2_,J6E"P- M8591.]D$? TH8'QA.*?/.4RJ2E082A3LJ^A]"5@E)4E04+VMM<0WDA.,5"0EY MV767&'VTNM+L1J2H7!L=QL>L=M7!S.:5\J09BOXFIU*^<%9*9E\)W:.H>(H\5.NR^#ZT^PXMIYN1?6AQ"BE M25!M1!!'(@]8O(H\8>I-?]W3'EJA [EC>)BQ?.W$W^\-6_MKO^:&W$)@.L.@ M(;< ,232$G=GZD\87/,O$-=D,PZK+2=;J,NPC@Z&F9I:$)NT@FP!L-R3\88S MH86/-?Z3*P/YGR41RD? 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M;$5+S@-NR3* MDI<7M>Z+$ZAL>6XMN!M& Q;DR):7?G\.S#BDMI4XJ1>!6H@:C9M0%R?1 21< M_I0(Y2:>D9UB0D[>$;FBS_RK0Z?4N'PS-RS;_#O? 3K2%6OUM M>,QFG2OE/+V?T,<5Z4TS3??TZ-![ZN8!LV5[?AO:%)PPS*GYK./B!;*YM#V9 M-'2L)4D*=4 H7%PTL@_:" ?A#0^,*5A"L)H&+:94W-/"9>LZ5 FS:@4+(WN M$J)'MM#6R[[4Q+MOL.(=: <2%H<0H*2I)%P01S!'6#N'.8G2$;2)U1(D N2?M)@(XDJZZ]B2HU52EE,R^I M3?$ "DM\D)-MKA(2/A!^RDI*Z5@&5<<#B7)UQ4VI*QR"K)3;V%*4J^,46<(M9!1S:2.N9O>D*1B[UVK_ +RF/,5#;] (4C%WKM7_>4QYBH&CLP]5XB:.\"@+6 [SN+ $"^V^UE$Y*C56:H=6E:I)*"9B67K3JO M970I-NA!(/L,,?E9OEG2/Y+OFK@-YDX'^:%62_()<-)FC=I2A<,KWNV5==MP M3N1<;Z28)'R2IBWKVJ+%^H1,78CE<4Y*U"J2ED\3@AUK6%%IP/-ZDG_Y&PN" M#;> UA#UUH'O&7\Q,X'!0,<8BPR MA#5,J*^RI4%=F> <;L"20 ?1!)-J)!-^?*&LM<1BZYEIA:NE:W*>)684 ./) MGA*'>N3I'=).X)*2=_LLX6@C#"2-IR#N0XF.H6>#;RVF*]3N!?9M=NY9RJYP^QX>87K/'UYD_=R/,=AA87K/'UYD_=R/, M=@*?*'JO;EWD'Z>(?NW[6#2("V0?IXA^[?M8-(C6^9A:?VQ KGWSP]]Y_91D M M[E^8W#%.*I,P!OP?]Q,)7:#4,-U=ZF5)GAO-[I4-TN)Z+2>J3_B#8@B"IE)C MT#1AJL39)V33W'/#^"*OPTW]];^B(V.8V"6L64=;TNS_ *WE4$RJPH)X@YEM M1.Q!WM>UCU)NMW^DR,[_P!]+3)/W)/W MY*M#A[.]UAE#&(*<7E)%C-2E@I5@+7;-A"1RV %[") M[09*UC [@*&N(+=2\IM/;I=)E:UM["."((D2ST.H MLV8N!GL)U=R8DI9SY%F#=AS45AH]6U'IO>U^8MN2#'XP;F55L(L=CX2)ZFZB MH2[BRE39(-]"M]()()!!&QM8DF&3>EVIN6=:>;0XTX"VMM:0I*DG8@@\P1T@ M8UC)2BSJB[2IV8IJE$*+:AQVPFUB "0JY.]RH]=N5GJX(PTC>HHVY9\U9[4C MY/UII,^9W2#P2I ;U=1KO>WMT_"!]C',BJXO:,EPDR--"@HRS:BHK(M;6K;4 M =P+ U$YBP]EGXP=9?X'FL759#RV]-(EG 9IU5P'+6/"38 M@ZB.9![H-^=@6799;E6$,LH2VVA(2A"$V2D#8 4!^JY+&K5J?J0Q! MPA-3+K_#,EJT:E$VOQ!>U^=H*I@IYB]2A8 ":S*KZ-:1_)=\U<:"MTJ5KU&F MZ7. (*F)E&E5CNGJ%#V@@$>T1S84H7S;PU)4?M/:.S!8XO#T:KK*N5S;G;G%V M.< ?+(CT7\ I^(I.*,.S6%<0S%)FE<3AV4T\$%(=;/)0O^!M>Q!%S:)A$?NU MH/O&7\Q,,3C/!TMC:C-2SCW99AAQ+C,P&@LIN.\DC8E)!Y C<)/2T8ZDY*FD MUJ0J1Q#Q1*3+3W#$EIUZ5 VOQ#:]N=H>+ 5Y[D+4D/QU#!]6,?F%B*;PSA&9 MGI!MPS2E)9;<#>M+15?OJZ #D+W&HI!&\; 1YIN(G!P9>P)&!%6PYCO$.&9E M]Z2G..B8<+S[,T"XAU9!NH[Z@K>Y(()L+WM!,DL]*8IEPSU'G&'@>XAE:74J M%NJCI(W]ACLQ%DY1*DZJ9I;RZ4[\\=\<2?NY'F.PPD#K'66?SQK3-3^5^Q M\.72QP^S<2]E*5>^L?IU\+G+V1IU?QC>^K^Z-Q'+""V1"H4K6 8%L^A?YO?>/V44N1P_=O.^[ME^8W!-Q_@0XU$@GY3,EV0N'9CB:]6G^,+6T_WQP8%RS.#JV]4_E?MG$EU,V3LA-^?U"+ 8S=P,%IVK6+B_*XO:UR>9V^!,(?,VB3%-$]VLKF5\?3@\.UTI%K: MC^CSOUAUCAEP)'164?)FKA>\\=\<2?NY'F.PPO2!SCK++YXUIFI_+'8^'+I8 MX?9N)>RE*O?6/TN5ND+K(5LF47J63 BY1(,_Y!__ #) P' V1(H]1?F0>BT_ "_]D! end EX-101.SCH 10 pdyn-20240930.xsd XBRL TAXONOMY EXTENSION SCHEMA WITH EMBEDDED LINKBASES DOCUMENT 100000 - Document - Document and Entity Information link:presentationLink link:calculationLink link:definitionLink 100010 - Statement - CONDENSED CONSOLIDATED BALANCE SHEETS link:presentationLink link:calculationLink link:definitionLink 100020 - Statement - CONDENSED CONSOLIDATED BALANCE SHEETS (Parenthetical) link:presentationLink link:calculationLink link:definitionLink 100030 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS (Unaudited) link:presentationLink link:calculationLink link:definitionLink 100040 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE LOSS (Unaudited) link:presentationLink link:calculationLink link:definitionLink 100050 - Statement - CONDENSED CONSOLIDATED STATEMENT OF CHANGES IN STOCKHOLDERS' EQUITY (Unaudited) link:presentationLink link:calculationLink link:definitionLink 100060 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (Unaudited) link:presentationLink link:calculationLink link:definitionLink 995455 - Disclosure - Basis of Presentation and Summary of Significant Accounting Policies link:presentationLink link:calculationLink link:definitionLink 995465 - Disclosure - Fair Value Measurements link:presentationLink link:calculationLink link:definitionLink 995475 - Disclosure - Balance Sheet Components link:presentationLink link:calculationLink link:definitionLink 995485 - Disclosure - Earn-Out Shares link:presentationLink link:calculationLink link:definitionLink 995495 - Disclosure - Warrants link:presentationLink link:calculationLink link:definitionLink 995505 - Disclosure - Stock-based Compensation link:presentationLink link:calculationLink link:definitionLink 995515 - Disclosure - Net Loss Per Share link:presentationLink link:calculationLink link:definitionLink 995525 - Disclosure - Income Taxes link:presentationLink link:calculationLink link:definitionLink 995535 - Disclosure - Commitments and Contingencies link:presentationLink link:calculationLink link:definitionLink 995545 - Disclosure - Segment Information link:presentationLink link:calculationLink link:definitionLink 995555 - Disclosure - Employee Benefits link:presentationLink link:calculationLink link:definitionLink 995565 - Disclosure - Subsequent Event link:presentationLink link:calculationLink link:definitionLink 995575 - Disclosure - Basis of Presentation and Summary of Significant Accounting Policies (Policies) link:presentationLink link:calculationLink link:definitionLink 995585 - Disclosure - Basis of Presentation and Summary of Significant Accounting Policies (Tables) link:presentationLink link:calculationLink link:definitionLink 995595 - Disclosure - Fair Value Measurements (Tables) link:presentationLink link:calculationLink link:definitionLink 995605 - Disclosure - Balance Sheet Components (Tables) link:presentationLink link:calculationLink link:definitionLink 995615 - Disclosure - Stock-based Compensation (Tables) link:presentationLink link:calculationLink link:definitionLink 995625 - Disclosure - Net Loss Per Share (Tables) link:presentationLink link:calculationLink link:definitionLink 995635 - Disclosure - Basis of Presentation and Summary of Significant Accounting Policies - Additional Information (Details) link:presentationLink link:calculationLink link:definitionLink 995645 - Disclosure - Basis of Presentation and Summary of Significant Accounting Policies - Additional Information (Details 1) link:presentationLink link:calculationLink link:definitionLink 995655 - Disclosure - Basis of Presentation and Summary of Significant Accounting Policies - Summary of Disaggregation of Revenue (Details) link:presentationLink link:calculationLink link:definitionLink 995665 - Disclosure - Basis of Presentation and Summary of Significant Accounting Policies - Summary of Information about Contract Balances (Details) link:presentationLink link:calculationLink link:definitionLink 995675 - Disclosure - Fair Value Measurements - Schedule of Assets and Liabilities Measured At Fair Value On Recurring Basis (Details) link:presentationLink link:calculationLink link:definitionLink 995685 - Disclosure - Fair Value Measurements - Additional Information (Details) link:presentationLink link:calculationLink link:definitionLink 995695 - Disclosure - Balance Sheet Components - Schedule of Inventories, Net (Details) link:presentationLink link:calculationLink link:definitionLink 995705 - Disclosure - Balance Sheet Components - Additional Information (Details) link:presentationLink link:calculationLink link:definitionLink 995715 - Disclosure - Balance Sheet Components - Schedule of Prepaid Expenses And Other Current Assets (Details) link:presentationLink link:calculationLink link:definitionLink 995725 - Disclosure - Balance Sheet Components - Property and Equipment, Net (Details) link:presentationLink link:calculationLink link:definitionLink 995735 - Disclosure - Balance Sheet Components - Schedule of Accrued Liabilities (Details) link:presentationLink link:calculationLink link:definitionLink 995745 - Disclosure - Earn-Out Shares Additional Information (Details) link:presentationLink link:calculationLink link:definitionLink 995755 - Disclosure - Warrants - Additional Information (Details) link:presentationLink link:calculationLink link:definitionLink 995765 - Disclosure - Stock-based Compensation - Additional Information (Details) link:presentationLink link:calculationLink link:definitionLink 995775 - Disclosure - Stock-based Compensation - Schedule of Stock Options Activity (Details) link:presentationLink link:calculationLink link:definitionLink 995785 - Disclosure - Stock-based Compensation - Summary of RSU Activity (Details) link:presentationLink link:calculationLink link:definitionLink 995795 - Disclosure - Stock-based Compensation - Summary of RSA Activity (Details) link:presentationLink link:calculationLink link:definitionLink 995805 - Disclosure - Stock-based Compensation - Schedule of Stock Based Compensation Expense (Details) link:presentationLink link:calculationLink link:definitionLink 995815 - Disclosure - Net Loss Per Share - Schedule of Basic and Diluted Net Loss Per Share (Details) link:presentationLink link:calculationLink link:definitionLink 995825 - Disclosure - Income Taxes - Additional Information (Details) link:presentationLink link:calculationLink link:definitionLink 995835 - Disclosure - Segment Information - Additional Information (Details) link:presentationLink link:calculationLink link:definitionLink 995845 - Disclosure - Employee Benefits - Additional Information (Details) link:presentationLink link:calculationLink link:definitionLink 995855 - Disclosure - Subsequent Event - Additional Information (Details) link:presentationLink link:calculationLink link:definitionLink Maximum defer net employment income percentage Defined Contribution Plan Maximum Deferred Compensation By Employees Percentage Defined contribution plan maximum deferred compensation by employees percentage. Statement [Line Items] Statement [Line Items] Liabilities: Liabilities, Fair Value Disclosure [Abstract] Accounts receivable Increase/(decrease), net Increase (Decrease) in Accounts Receivable Plan Name [Domain] Accumulated deficit Retained Earning Accumlated Deficit Retained earning (accumlated deficit). Redemption of Warrants When Price Per Share Equals or Exceeds $108.00 Per Share Redemption of Warrants When Price Per Share Equals or Exceeds One Hundred Eight Per Share [Member] Redemption of warrants when price per share equals or exceeds one hundred eight per share. Entity Address, Postal Zip Code Entity Address, Postal Zip Code Deferred revenue (current) Deferred Revenue [Abstract] Contract with Customer, Asset, after Allowance for Credit Loss, Current [Abstract] Contract assets (current) Revenue, Remaining Performance Obligation, Amount Revenue, Remaining Performance Obligation, Amount Asset write-down and restructuring Asset Write-Down and Restructuring [Member] Asset write-down and restructuring . Fair Value, Recurring and Nonrecurring [Table] Entity Incorporation, State or Country Code Entity Incorporation, State or Country Code Costs and Expenses [Abstract] Operating expenses: Number of Operating Segments Number of operating segment Stockholders' Equity, Reverse Stock Split Reverse stock split Beginning balance (in Shares) Ending balance (in Shares) Shares, Outstanding Investment Income, Amortization of Discount Amortization of investment discount Amortization of investment discount Fair Value Hierarchy and NAV Fair Value Hierarchy and NAV [Axis] New exercise price Stock Options, New Exercise Price Stock options, new exercise price. Fair Value, Inputs, Level 2 Fair Value, Inputs, Level 2 [Member] Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] 2024 Inducement Plan Two Thousand Twenty Four Inducement Equity Incentive Plan [Member] Two thousand twenty four inducement equity incentive plan. Commitments and Contingencies Disclosure [Text Block] Commitments and Contingencies Product and Service Product and Service [Axis] Collaborative Arrangement and Arrangement Other than Collaborative [Domain] Furniture and fixtures, and other fixed assets member. Furniture and Fixtures, and Other Fixed Assets [Member] Furniture and fixtures, and other fixed assets Document Information [Table] Working capital Working Capital Working capital Title and Position [Axis] Class of Warrant or Right [Axis] Securities Purchase Agreement Securities Purchase Agreement [Member] Securities purchase agreement. Sale of Stock Sale of Stock [Domain] Cash and Cash Equivalents [Domain] Entity Central Index Key Entity Central Index Key Warrant [Member] Warrant Liability Options cancelled Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Forfeitures in Period Changes in operating assets and liabilities: Increase (Decrease) in Operating Capital [Abstract] Price per warrant Class of Warrant or Right, Warrant Price Class of warrant or right, warrant price. Common stock, shares issued Common Stock, Shares, Issued Common Stock, Shares, Issued, Total Income Statement [Abstract] Entity Address, State or Province Entity Address, State or Province Loss before income tax expense Income (Loss) from Continuing Operations before Income Taxes, Noncontrolling Interest Revision of Prior Period Revision of Prior Period [Axis] Warrants price per share. Warrants Price Per Share Warrants price per share Class of Warrant or Right [Table] Two Thousand Twenty One Equity Incentive Plan [Member] Two thousand twenty one equity incentive plan. 2021 Plan Share-Based Compensation Arrangement by Share-Based Payment Award, Number of Additional Shares Authorized Due to failure to vest, additional shares added Options vested or expected to vest, aggregate intrinsic value Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercisable, Intrinsic Value Options exercisable, aggregate intrinsic value Class of warrant or right redemption consecutive trading days after commencement. Class Of Warrant Or Right Redemption Consecutive Trading Days After Commencement Consecutive trading days after commencement Cover [Abstract] Subsequent Event [Line Items] Earnings Per Share, Basic, Total Earnings Per Share, Basic Basic net loss per share Shares of common stock issued Stock Issued During Period, Shares, Acquisitions Common stock and assumed equity awards in connection with a business acquisition (In Shares) Warrant purchase price Class of Warrant or Right, Purchase Price of Warrants or Rights Class of warrant or right, purchase price of warrants or rights. Redemption of warrants description Redemption Of Warrants Description Redemption of warrants, description Sales and Marketing Selling and Marketing Expense [Member] Shares repurchased for payment of tax withholdings and other, shares. Shares Repurchased for Payment of Tax Withholdings and Other, Shares Shares repurchased for payment of tax withholdings and other (in Shares) Increase/(decrease), net Increase Decrease In Contract Assets Current Increase Decrease in Contract Assets Current. Stock-based compensation expense Stock based compensation Share-Based Payment Arrangement, Expense Liquidity and Capital Resources Liquidity And Capital Resources Policy [Text Block] Liquidity and capital resources policy. Retained Earnings (Accumulated Deficit), Total Retained Earnings (Accumulated Deficit), Beginning Balance Retained Earnings (Accumulated Deficit), Ending Balance Retained Earnings (Accumulated Deficit) Accumulated deficit Other Employees [Member] Other Employees [Member] Other employee. Plan Name [Axis] Segment Reporting [Abstract] Options outstanding, beginning balance Options outstanding, ending balance Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Number Summaryof Significant Accounting Policies Details [Table] Summaryof Significant Accounting Policies Details [Table] Summary of Significant Accounting Policies (Details) [Table] Current assets: Assets, Current [Abstract] Investment Type Investment Type [Axis] Net Cash Provided by (Used in) Operating Activities Net cash used in operating activities Weighted average fair value, cancelled Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Forfeitures, Weighted Average Grant Date Fair Value Stock issued during period shares upon vesting of restricted stock awards and restricted stock units. Stock Issued During Period Shares Upon Vesting Of Restricted Stock Awards And Restricted Stock Units Common stock issued upon vesting of restricted stock awards and restricted stock units (in Shares) Common stock issued under equity award plans (in Shares) Stock Issued During Period Shares Under Equity Award Plans Stock Issued During Period Shares Under Equity Award Plans Product and Service Product and Service [Domain] Accumulated other comprehensive gain (loss) Accumulated Other Comprehensive Income (Loss), Net of Tax, Total Accumulated Other Comprehensive Income (Loss), Net of Tax Accumulated other comprehensive income Property and equipment, net Property and equipment, net Property, Plant and Equipment, Net Property, Plant and Equipment, Net, Beginning Balance Property, Plant and Equipment, Net, Ending Balance Net Cash Provided by (Used in) Operating Activities [Abstract] Cash flows from operating activities: Schedule of Assets and Liabilities Measured At Fair Value On Recurring Basis Schedule of Fair Value, Assets and Liabilities Measured on Recurring Basis [Table Text Block] Common stock, par value Common Stock, Par or Stated Value Per Share Stock Option Ending Balance Opening Balance Contract with Customer, Liability Contract with Customer, Liability, Total Statement of Cash Flows [Abstract] Sale of warrants (in Shares) Class of Warrant or Right, Unissued Software And Service [Member] Software and service member. Software Number of common stock shares to be issued upon conversion of warrants Class of Warrant or Right, Number of Securities Called by Warrants or Rights Entity [Domain] Equity Components Equity Components [Axis] Entity Address, Address Line One Entity Address, Address Line One Schedule of Basic and Diluted Net Loss Per Share Schedule of Earnings Per Share, Basic and Diluted [Table Text Block] Employee-related Liabilities, Current Employee-related Liabilities, Current, Total Payroll and related costs Shares issued Number of shares, granted Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Grants in Period Computer Equipment Computer Equipment [Member] Subsequent Event Type [Axis] Summaryof Significant Accounting Policies Details [Line Items] Summaryof Significant Accounting Policies Details [Line Items] Summary of Significant Accounting Policies (Details) [Line Items] Contingent merger consideration earn-out shares remaining issuable Contingent Merger Consideration Earn-out Shares Remaining Issuable Contingent merger consideration earn-out shares remaining issuable. Non-US [Member] Non-US Schedule of Changes in Fair Value of Plan Assets [Table Text Block] Schedule of Reconciliation from Operating Balances to Closing Balances for Level 3 Values Number of shares, beginning balance Number of shares, ending balance Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Number Number of shares unvested Amendment Flag Amendment Flag Warrants reference value per share Warrant reference value per share. Warrant Reference Value Per Share Option Modification [Member] Option Modification. Option Modification [Member] Operating lease liabilities Operating Lease, Liability, Noncurrent Restructuring Plan [Domain] Net loss Net loss and comprehensive loss Options exercised Exercise of stock options (in Shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercises in Period Options exercisable Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercisable, Number Options exercisable, ending balance Options exercisable, beginning balance Research and Development Research and Development Expense [Member] Equity Component Equity Component [Domain] Statistical Measurement Statistical Measurement [Domain] General and administrative General and Administrative Expense General and Administrative Expense, Total Balance Sheet Components Supplemental Balance Sheet Disclosures [Text Block] Opening Balance Ending Balance Unbilled Contracts Receivable Unbilled receivables Other income, net Other income, net Other Nonoperating Income (Expense) Other Nonoperating Income (Expense), Total Net loss and comprehensive loss Net loss Net Income (Loss), Including Portion Attributable to Noncontrolling Interest Net Income (Loss), Including Portion Attributable to Noncontrolling Interest, Total Schedule of Other Current Assets [Table Text Block] Prepaid Expenses and Other Current Assets Proceeds from Stock Options Exercised Proceeds from exercise of stock options Accounts receivable Contract with Customer, Receivable, after Allowance for Credit Loss, Current [Abstract] Number of common stock shares to be issued under agreement Number of Common Stock Shares to be Issued Under Agreement Number of common stock shares to be issued under agreement. Number of common stock shares to be issued and sell under agreement Number of Common Stock Shares to be Issued and Sell Under Agreement Number of common stock shares to be issued and sell under agreement. Total prepaid expenses and other current assets Prepaid expenses and other current assets Prepaid Expense and Other Assets, Current Options exercisable, weighted average exercise price Share-Based Compensation Arrangement by Share-Based Payment Award, Options,

Vested and Expected to Vest, Exercisable, Weighted Average Exercise Price Options exercisable, weighted average exercise price, beginning balance Options exercisable, weighted average exercise price, ending balance Options cancelled, weighted average exercise price Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Forfeitures in Period, Weighted Average Exercise Price Shares repurchased for payment of tax withholdings. Shares Repurchased for Payment of Tax Withholdings Shares repurchased for payment of tax withholdings Collaborative Arrangement and Arrangement Other than Collaborative [Axis] Class of Stock Class of Stock [Domain] Other comprehensive gain loss Other Comprehensive Income (Loss), Net of Tax Total other comprehensive income (loss) Comprehensive Income (Loss), Net of Tax, Attributable to Parent Comprehensive loss Comprehensive loss Common stock, shares outstanding Common Stock, Shares, Outstanding Common Stock, Shares, Outstanding, Beginning Balance Common Stock, Shares, Outstanding, Ending Balance Other Assets Current [Member] Other assets current Other Assets Interest income, net Interest Income (Expense), Operating Interest Income (Expense), Net, Total Proceeds from the registered offering Proceeds from Issuance or Sale of Equity Proceeds from Issuance or Sale of Equity, Total Summary of RSU and RSA Activity Share-Based Payment Arrangement, Restricted Stock Unit, Activity [Table Text Block] Entity Interactive Data Current Debt Securities, Available-for-Sale, Fair Value, Maturity, Allocated and Single Maturity Date, Year One Available-for-sale debt securities with maturity dates within one year Cost of Revenue Cost of Sales [Member] Accounting Standards Update [Domain] Document Quarterly Report Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period, Weighted Average Grant Date Fair Value Weighted average fair value, released Cash and cash equivalents at end of period Cash and cash equivalents at beginning of period Cash, Cash Equivalents, Restricted Cash and Restricted Cash Equivalents, Total Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents Statistical Measurement Statistical Measurement [Axis] Series B Convertible Preferred Stock [Member] Series B convertible preferred stock. Series B Senior Employees [Member] Senior Employees [Member] Senior employees. Total assets Total assets Assets, Fair Value Disclosure Related and Nonrelated Parties [Domain] Summary of the Total Amount of Revenue for Each Such Customer Disaggregation of Revenue [Table Text Block] Sales and marketing Selling and Marketing Expense Selling and Marketing Expense, Total Sales and marketing expenses Product revenue. Product Revenue [Member] Product Revenue Commercial Paper Commercial Paper [Member] Contract with Customer, Asset, after Allowance for Credit Loss, Noncurrent [Abstract] Contract assets (long-term) Number of shares available to grant under plan Purchase shares Number of additional shares receivable upon achievement of earn-out targets Basis of Presentation and Summary of Significant Accounting Policies Basis of Presentation and Significant Accounting Policies [Text Block] Shares issued weighted-average exercise price Weighted average fair value, granted Stock awards, weighted average grant date fair value Period for recognition of unrecognized compensation cost related to non-vested stock awards Share-Based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Period for Recognition Increase (Decrease) in Prepaid Expense Prepaid expenses and other current assets Income Statement Location Statement of Income Location, Balance [Axis] Cash and Cash Equivalents [Axis] Total assets Assets Basis of Presentation and Consolidation Basis Of Presentation And Consolidation Policy Basis of presentation and consolidation policy . Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period Number of shares, released Number of shares, released Schedule Of Balance Sheet Components [Line Items] Schedule Of Balance Sheet Components [Line Items] Schedule of Balance Sheet Components Business Acquisition [Line Items] 2021 Employee Stock Purchase Plan Two Thousand Twenty One Employee Stock Purchase Plan [Member] Two thousand twenty one employee stock purchase plan. Recently Issued Accounting Standard Pronouncements New Accounting Pronouncements, Policy [Policy Text Block] Entity Address, City or Town Entity Address, City or Town Revision of Prior Period, Adjustment [Member] Revision of Prior Period Adjustment Accumulated Other Comprehensive (Loss) Income AOCI Attributable to Parent [Member] Equity [Abstract] Assets: Assets, Fair Value Disclosure [Abstract] Restructuring Efforts Announced In November Restructuring Tranche Two [Member] Restructuring tranche two. Number of shares, cancelled Number of shares, cancelled Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Forfeited in Period Number of shares, cancelled Expiration date Class Of Warrant Or Rights Expiration Date Class of warrant or rights expiration date. Alliance Global Partners Alliance Global Partners [Member] Alliance global partners. Depreciation of property and equipment Depreciation, Total Depreciation Numerator: Net Income (Loss) Attributable to Parent [Abstract] Revision of Prior Period Revision of Prior Period [Domain] Schedule Of Segment Reporting Information By Segment [Table] Schedule of Segment Reporting Information, by Segment [Table] Private Placement Private Placement [Member] Stock-based Compensation Share-Based Payment Arrangement [Text Block] Expected gross proceeds from common stock purchase program Expected Gross Proceeds from Common Stock Purchase Program Expected gross proceeds from common stock purchase program. Earnout consecutive trading days. Earnout Consecutive Trading Days Earn-Out consecutive trading days Share-Based Compensation Arrangement by Share-Based Payment Award, Number of Shares Authorized Total number of shares Increase/(decrease), net Increas Decrease In Contract Assets Long Term Increas decrease in contract assets (long-term). Contracts Receivable [Abstract] Unbilled receivable Legal services accrual Legal Services Accrual Legal services accrual. Fair Value Disclosures [Abstract] Redemption of warrants price per share Redemption Of Warrants Price Per Share Redemption of warrants price per share. Series A Convertible Preferred Stock [Member] Series A convertible preferred stock. Series A Exercise of stock options Stock Issued During Period, Value, Stock Options Exercised Liabilities, Current [Abstract] Current liabilities: Income Taxes Paid, Net, Total Income Taxes Paid, Net Cash paid for income taxes Document Type Document Type Accounting Standards Update [Axis] Asset write-down Asset Impairment Charges, Total Asset Impairment Charges Title of 12(b) Security Chief Executive Officer and Board of Directors Chief Executive Officer And Board Of Directors [Member] Chief executive officer and board of directors. Cash and Cash Equivalents, at Carrying Value, Total Cash and Cash Equivalents, at Carrying Value, Beginning Balance Cash and Cash Equivalents, at Carrying Value, Ending Balance Cash and Cash Equivalents, at Carrying Value Cash and cash equivalents Restricted Stock Awards Outstanding Restricted Stock Awards [Member] Outstanding restricted stock awards. Statement of Stockholders' Equity [Abstract] Document Fiscal Period Focus Common stock price per share equals or exceeds twenty per share. Common Stock Price Per Share Equals Or Exceeds Twenty Per Share [Member] Common Stock Price Per Share Equals Or Exceeds 20.00 Per Share Options exercised, aggregate instrinsic value Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercises in Period, Intrinsic Value Research and development Research and Development Expense Research and Development Expense, Total Options assumed Options granted Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Grants in Period, Gross Property, Plant and Equipment, Gross Property, Plant and Equipment, Gross, Total Property, Plant and Equipment, Gross, Beginning Balance Property, Plant and Equipment, Gross, Ending Balance Property and equipment, gross Subsequent Event Type [Domain] Registered Offering Registered Offering [Member] Registered offering. Increase/(decrease), net Increase Decrease in Accounts Receivable Inclusive of Accounts Receivable Acquired in Business Combination Increase (decrease) in accounts receivable inclusive of accounts receivable acquired in business combination. Warrant exercise price Class of Warrant or Right, Exercise Price of Warrants or Rights Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Period Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Period Class of Warrant or Right [Line Items] Sale of Stock Sale of Stock [Axis] Cash flows from investing activities: Net Cash Provided by (Used in) Investing Activities [Abstract] Investments Investments [Domain] Cash, cash equivalents and marketable securities Cash, Cash Equivalents and Marketable Securities Cash, cash equivalents and marketable securities. Marketable securities Marketable Securities, Current Marketable Securities, Current, Total Revenue, net Revenue from Contract with Customer, Excluding Assessed Tax Revenue from Contract with Customer, Excluding Assessed Tax, Total PIPE Investor P I P E Investor [Member] PIPE Investor [Member] Statement of Comprehensive Income [Abstract] Income Taxes Income Tax Disclosure [Text Block] Series C Convertible Preferred Stock [Member] Series C convertible preferred stock. Series C Earnout trading days. Earnout Trading Days Earn-Out trading days Payment of obligations under capital leases Payment Of Obligations Under Capital Leases Payment of obligations under capital leases. Business Combination, Asset Acquisition, and Joint Venture Formation [Abstract] Other accrued expenses and current liabilities Other Accrued Expenses And Current Liabilities Other Accrued Expenses And Current Liabilities Deferred Revenue, Revenue Recognized Deferred revenue, revenue recognized Percentage of commission paid on gross proceeds Percentage Of Commission Paid On Gross Proceeds Percentage of commission paid on gross proceeds. Increase (Decrease) in Accounts Payable, Total Increase (Decrease) in Accounts Payable Accounts payable Entity Address, Address Line Two Entity Address, Address Line Two Liabilities and stockholdersâ€™ equity Liabilities and Equity [Abstract] Document Period End Date Document Period End Date Net cash used in financing activities Net cash proceeds Net Cash Provided by (Used in) Financing Activities Class A Common Stock [Member] Common Class A [Member] Common Class A Common stock and assumed equity awards in connection with a business acquisition Stock Issued During Period Value Acquisitions Net Stock issued during period value acquisitions net. Antidilutive Securities Excluded from Computation of Earnings Per Share, Amount Earn-outs, up to an aggregate Anti-dilutive securities, excluded Class of warrant or right redemption minimum written notice period. Class Of Warrant Or Right Redemption Minimum Written Notice Period Minimum period for written notice of redemption Contract restructuring accrual Restructuring Reserve Restructuring Reserve, Ending Balance Restructuring Reserve, Beginning Balance Restructuring Reserve, Total Share based compensation Stock-based compensation APIC, Share-Based Payment Arrangement, Increase for Cost Recognition APIC, Share-based Payment Arrangement, Increase for Cost Recognition, Total Class B Common Stock [Member] Common Class B [Member] Common Class B Total accrued liabilities Accrued liabilities Accrued Liabilities, Current Income tax expense Provision for income taxes Provision for income taxes Provision for income taxes Income Tax Expense (Benefit) Income tax expense (benefit) Trading Symbol Ending balance Beginning balance Equity, Attributable to Parent Total stockholders' equity Asset write-down Asset write-down and restructuring Restructuring Costs and Asset Impairment Charges, Total Restructuring Costs and Asset Impairment Charges Long-Lived Tangible Asset Long-Lived Tangible Asset [Axis] Warrants outstanding Class of Warrant or Right, Outstanding Total other non-current liabilities Other non-current liabilities Other Liabilities, Noncurrent Restricted Stock Units (RSUs) Restricted Stock Units (RSUs) [Member] Issuance of shares (in Shares) Issuance of shares (in Shares) Sale of Stock, Number of Shares Issued in Transaction Increase/(decrease), net Increase (Decrease) in Deferred Revenue Change in Accounting Principle, Accounting Standards Update, Adopted [true false] Change in accounting principle, accounting standards update, adopted [true false] Schedule of Stock Based Compensation Expense Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table Text Block] Geographical Geographical [Axis] Unrecognized stock-based compensation cost Share-Based Payment Arrangement, Nonvested Award, Option, Cost Not yet Recognized, Amount Accrued amount for employee contribution Accrued Employee Benefits Payment of reimbursed for certain fees and expenses including legal fees Payment Of Reimbursed For Certain Fees And Expenses Including Legal Fees Payment of reimbursed for certain fees and expenses including legal fees. Schedule of Business Acquisitions, by Acquisition [Table] Scenario [Axis] Contract with Customer, Contract Asset, Contract Liability, and Receivable [Table Text Block] Summary of Opening and Closing Balances of Our Accounts Receivable, Unbilled Receivables, Contract Assets and Deferred Revenue Redemption of Warrants When Price Per Share Equals or Exceeds $60.00 Per Share Redemption of Warrants When Price Per Share Equals or Exceeds Sixty Per Share [Member] Redemption of warrants when price per share equals or exceeds sixty per share. Security Exchange Name Long-Lived Tangible Asset Long-Lived Tangible Asset [Domain] Class of Stock Class of Stock [Axis] Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment, Total Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment, Beginning Balance Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment, Ending Balance Accumulated depreciation Legal Entity [Axis] Fair Value Measurements Fair Value Disclosures [Text Block] Subsequent Event Subsequent Event [Member] Maximum Maximum [Member] Total liabilities and stockholders' equity Liabilities and Equity Operating lease assets Operating Lease, Right-of-Use Asset Supplemental Cash Flow Information [Abstract] Supplemental disclosure of cash flow information: Retirement Benefits [Abstract] Earnings Per Share, Diluted, Total Earnings Per Share, Diluted Diluted net loss per share Leasehold Improvements Leasehold Improvements [Member] Entity Ex Transition Period Entity Ex Transition Period Liabilities Total liabilities Warrants to purchase common stock. Warrants to purchase common stock Member Warrants to Purchase Common Stock Shares repurchased for payment of tax withholdings and other, value. Shares Repurchased for Payment of Tax Withholdings and Other, Value Shares repurchased for payment of tax withholdings and other Fair Value Hierarchy and NAV Fair Value Hierarchy and NAV [Domain] Assets, Current Total current assets Net cash provided by investing activities Net Cash Provided by (Used in) Investing Activities Warrants exercisable period Warrants Exercisable Period Warrants exercisable period. Product Development Contract Revenue Product Development Contract Revenue [Member] Product development contract revenue. Scenario Forecast Forecast [Member] Number of common stock agreed to issue and sell Stock Issued During Period, Shares, New Issues Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Period Share-based compensation arrangement by share-based payment award, award vesting period (Loss) gain on warrant liability Gain (loss) on warrant liability. Gain (Loss) on warrant liability Gain on warrant liability Entity Filer Category Entity Filer Category Shares of common stock per warrant Class of Warrant or Right, Number of Securities Called by Each Warrant or Right Purchases of marketable securities Payments to Acquire Marketable Securities Payments to Acquire Marketable Securities, Total Current Fiscal Year End Date Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested in Period, Fair Value Incremental Fair Value Attributable to Vested Options Noncontrolling Interest [Member] Noncontrolling Interests Offering period Share-Based Compensation Arrangement By Share-Based Payment Award, Offering Period Share-based compensation arrangement by share-based payment award, offering period. Share-based Payment Arrangement, Noncash Expense, Total Share-Based Payment Arrangement, Noncash Expense Stock-based compensation Reverse Stock Split Policy Reverse Stock Split Policy [Policy Text Block] Reverse Stock Split Options outstanding, aggregate intrinsic value Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Intrinsic Value Related and Nonrelated Parties [Axis] Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date [Axis] Entity Registrant Name Entity Registrant Name Summary of Significant Accounting Policies and Use of Estimates Significant Accounting Policies And Use Of Estimates [Policy Text Block] Significant accounting policies and use of estimates. Employee Benefits Compensation and Employee Benefit Plans [Text Block] Earn-Out Shares Earn Out Shares [Text Block] Earn-Out Shares. Number of reportable segment Number of Reportable Segments Cost of revenue (exclusive of items shown separately below) Cost of Revenue Cost of Revenue, Total Schedule Of Share Based Compensation Arrangements By Share Based Payment Award [Table] Schedule of Share-Based Compensation Arrangements by Share-Based Payment Award [Table] Net Loss Per Share Earnings Per Share [Text Block] Entity Emerging Growth Company Entity Emerging Growth Company ASU 2016-13 Accounting Standards Update 2016-13 [Member] Money Market Funds [Member] Money market funds Weighted Average Number of Shares Outstanding, Basic, Total Weighted Average Number of Shares Outstanding, Basic Weighted average shares outstanding, Basic Common stock, shares authorized Common Stock, Shares Authorized Options to purchase aggregate shares Share-Based Compensation Arrangement by Share-Based Payment Award Options to Purchase Shares of Common Stock Share-based compensation arrangement by share-based payment award options to purchase shares of common stock. Non-accountable expense allowance Payments Of Non Accountable Expense Allowance Payments of non accountable expense allowance. Proceeds from Sale and Maturity of Marketable Securities Maturities of marketable securities Trading days, description Trading Days Description Trading days description. Fair Value, Inputs, Level 1 [Member] Fair Value, Inputs, Level 1 Options assumed weighted-average exercise price Options granted, weighted average exercise price Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Grants in Period, Weighted Average Exercise Price Amortization of intangible assets Intangible amortization expense Amortization of Intangible Assets Amortization of Intangible Assets, Total Options outstanding, weighted average remaining contractual term Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Remaining Contractual Term Class of warrant or right redemption consecutive trading days. Class Of Warrant Or Right Redemption Consecutive Trading Days Consecutive trading days Warrants Warrants [Text Block] The entire disclosure for warrants issued in the Business Combination or upon conversion of such. General and Administrative General and Administrative Expense [Member] Revenue Recognition Revenue [Policy Text Block] Share-Based Payment Arrangement [Abstract] Unbilled receivable Increase Decrease In Unbilled Receivables Under Changes In Operating Assets Increase Decrease in Unbilled Receivables Under Changes in Operating Assets. Registered Offering and Private Placements Registered Offering And Private Placements [Member] Registered offering and private placements. Common stock and assumed equity awards in connection with a business acquisition Stock Issued During Period, Value, Acquisitions Common stock and assumed equity awards in connection with a business acquisition Restructuring Plan [Axis] Accounting Policies [Abstract] Schedule of Stock Options Activity Share-Based Payment Arrangement, Option, Activity [Table Text Block] Earning per share basic and diluted. Earning Per Share Basic And Diluted [Abstract] Net loss per share Income Tax Disclosure [Abstract] Equity, Attributable to Parent [Abstract] Stockholders' equity: Statement [Table] Statement [Table] Property and Equipment, Net Property, Plant and Equipment [Table Text Block] Subsequent Event [Table] Change in fair value of warrant liability Fair Value Adjustment of Warrants Gain on warrant liability Revenue earned from customers Revenue from Contract with Customer, Including Assessed Tax Entity File Number Securities Act File Number

Segment Information Segment Reporting Disclosure [Text Block] Net (decrease) increase in cash, cash equivalents Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect Earnings Per Share [Abstract] Opening Balance Ending Balance Contract with Customer, Asset, after Allowance for Credit Loss, Current Contract with Customer, Asset, after Allowance for Credit Loss, Current, Total Warrants and Rights Outstanding, Term Warrant expiration term Statement of Financial Position [Abstract] IPO [Member] IPO Loss from operations Loss from operations Operating Income (Loss) Price per common stock Shares Issued, Price Per Share Entity Shell Company Entity Tax Identification Number Entity Tax Identification Number Assets Assets [Abstract] Class of Warrant or Right [Domain] Entity Current Reporting Status Net income allocable to shares subject to possible redemption Net Income (Loss) Available to Common Stockholders, Basic Net loss Options exercisable, weighted average remaining contractual term Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercisable, Weighted Average Remaining Contractual Term Options exercisable, weighted average remaining contractual term Common Stock Price Per Share Equals Or Exceeds Fifteen Per Share [Member] Common Stock Price Per Share Equals Or Exceeds Fifteen Per Share [Member] Common Stock Price Per Share Equals Or Exceeds 15.00 Per Share Subsequent Events [Abstract] Previously Reported Previously Reported [Member] Geographical Geographical [Domain] Document Fiscal Year Focus Change in Accounting Principle, Accounting Standards Update, Adoption Date Change in accounting principle, accounting standards update, adoption date City Area Code City Area Code Liabilities, Current Total current liabilities Inventories Total inventories Inventory, Net Inventory, Finished Goods, Gross Inventory, Finished Goods, Gross, Total Finished goods, net Contingent merger consideration earn-out shares issuable. Contingent Merger Consideration Earn-Out Shares Issuable Contingent merger consideration earn-out shares issuable Option to purchase number of employee applied Option To Purchase Number Of Employee Applied Option to purchase number of employee applied. Organization, Consolidation and Presentation of Financial Statements [Abstract] Local Phone Number Local Phone Number Additional Paid in Capital, Total Additional Paid in Capital, Beginning Balance Additional Paid in Capital, Ending Balance Additional Paid in Capital Additional paid-in capital Commitments and Contingencies Disclosure [Abstract] Current operating lease liabilities Operating Lease, Liability, Current Document Information [Line Items] Other prepaid expenses and assets Other Prepaid Expenses And Assets Other prepaid expenses and assets. Retained Earnings [Member] Accumulated Deficit Purchases of property and equipment Payments to Acquire Property, Plant, and Equipment, Total Payments to Acquire Property, Plant, and Equipment Document Transition Report Purchase price as a percentage of the lesser of the fair market value of the Common Stock Share-Based Compensation Arrangement by Share-Based Payment Award, Purchase Price of Common Stock, Percent Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Exercises in Period, Weighted Average Exercise Price Options exercised, weighted average exercise price Minimum Minimum [Member] Common Stock Common Stock [Member] Financed Leased Computer Equipment Financed Leased Computer Equipment [Member] Financed leased computer equipment. Weighted average fair value, beginning balance Weighted average fair value, ending balance Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Weighted Average Grant Date Fair Value Increase (Decrease) in Other Noncurrent Assets Other non-current assets Additional Paid-in Capital [Member] Additional Paid-In Capital Earn-Out price per share Earnout price per share. Earnout Price Per Share Adjustments to Reconcile Net Income (Loss) to Cash Provided by (Used in) Operating Activities [Abstract] Adjustments to reconcile net loss to net cash used in operating activities: Other Comprehensive Income (Loss), Net of Tax [Abstract] Other comprehensive income (loss): Income Statement Location Statement of Income Location, Balance [Domain] Ending Balance Contract with Customer, Asset, after Allowance for Credit Loss, Noncurrent Contract with Customer, Asset, after Allowance for Credit Loss, Noncurrent, Total Opening Balance Other non-current assets Other Assets, Noncurrent Other Assets, Noncurrent, Total Schedule Of Balance Sheet Components [Table] Schedule Of Balance Sheet Components [Table] Schedule of Balance Sheet Components. Increase (Decrease) in Other Operating Liabilities, Total Increase (Decrease) in Other Operating Liabilities Other liabilities Schedule of Inventory, Current [Table Text Block] Inventories, Net Description of the business. Description of the business [Policy Text block] Description of the Business Other Assets, Current Other assets Entity Common Stock, Shares Outstanding Accrued liabilities and other current liabilities Increase (Decrease) in Accrued Liabilities and Other Operating Liabilities Scenario [Domain] Title and Position [Domain] Opening Balance Ending Balance Contract with Customer, Receivable, after Allowance for Credit Loss, Current Contract with Customer, Receivable, after Allowance for Credit Loss, Current, Total Common stock, $0.0001 par value, 165,000,000 shares authorized as of September 30, 2024, and December 31, 2023; 26,863,965 and 25,877,865 shares issued and outstanding as of September 30, 2024, and December 31, 2023, respectively Common Stock, Value, Issued, Total Common Stock, Value, Issued, Beginning Balance Common Stock, Value, Issued, Ending Balance Common Stock, Value, Issued Increase/(decrease), net Increase Decrease Unbilled Receivable Increase (decrease), unbilled receivable. Prepaid Insurance Prepaid insurance Cash equivalents Cash and Cash Equivalents, Fair Value Disclosure Schedule of Accrued Liabilities [Table Text Block] Accrued Liabilities Commitments and contingencies (Note 9) Commitments and Contingencies Share-Based Payment Arrangement, Plan Modification, Incremental Cost Total Incremental Fair Value Recognized Weighted Average Number of Shares Outstanding, Diluted, Total Weighted Average Number of Shares Outstanding, Diluted Weighted average shares outstanding, Diluted Accounts Receivable, after Allowance for Credit Loss, Current, Total Accounts Receivable, after Allowance for Credit Loss, Current Accounts receivable Increase (Decrease) in Inventories, Total Increase (Decrease) in Inventories Inventories Common stock issued upon vesting of restricted stock awards and restricted stock units Stock Issued During Period Upon Vesting Of Restricted Stock Awards And Restricted Stock ,Values Stock issued during period upon vesting of restricted stock awards and restricted stock ,values Weighted Average Number of Shares Outstanding, Diluted [Abstract] Denominator: Deferred Compensation Arrangement with Individual, Maximum Contractual Term Stock - based compensation exercisable period Inventory Adjustments, Total Inventory Adjustments Inventory reserves Entity Small Business Entity Small Business Warrants transactions closed date Warrants And Rights Outstanding, Transactions Closed Date Warrants and rights outstanding, transactions closed date. Segment Reporting Information [Line Items] Segment Reporting Information [Line Items] Total Revenue Revenues Revenues, Total Revenue, net Stockholders' Equity Note, Stock Split, Conversion Ratio Reverse stock split, ratio U.S. Treasury securities US Treasury Securities [Member] Marketable securities Investments, Fair Value Disclosure Investments, Fair Value Disclosure, Total Two thousand fifteen equity incentive plan member. Two Thousand Fifteen Equity Incentive Plan [Member] 2015 Plan Cash flows from financing activities: Net Cash Provided by (Used in) Financing Activities [Abstract] Options outstanding, weighted average exercise price, beginning balance Options outstanding, weighted average exercise price, ending balance Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Exercise Price Intangible assets, net Intangible Assets, Net (Excluding Goodwill) Intangible Assets, Net (Excluding Goodwill), Total Fair Value, Inputs, Level 3 Fair Value, Inputs, Level 3 [Member] Earning per share basic and diluted, other disclosure. Earning Per Share Basic And Diluted, Other Disclosure [Abstract] Weighted-average shares used in computing net loss per share Common stock issued under equity award plans Stock Issued During Period Value Under Equity Award Plans Stock Issued During Period Value Under Equity Award Plans Subsequent Event Subsequent Events [Text Block] OCI, Debt Securities, Available-for-Sale, Gain (Loss), after Adjustment and Tax, Total OCI, Debt Securities, Available-for-Sale, Gain (Loss), after Adjustment and Tax Change in unrealized gain (loss) on available-for-sale investments Accounts Payable, Current, Total Accounts Payable, Current Accounts payable Change in Accounting Principle, Accounting Standards Update, Immaterial Effect [true false] Change in accounting principle, accounting standards update, immaterial effect [true false] Costs and Expenses Total operating expenses Liabilities, Fair Value Disclosure Total liabilities Liabilities, Fair Value Disclosure, Total Robotics and Manufacturing Equipment Robotics And Manufacturing Equipment [Member] Robotics and manufacturing equipment. Restructuring Efforts Announced In July Restructuring Tranche One [Member] Restructuring tranche one. XML 12 R1.htm IDEA: XBRL DOCUMENT v3.24.3 Document and Entity Information - shares 9 Months Ended Sep. 30, 2024 Nov. 06, 2024 Document Information [Line Items] Â Â Document Type 10-Q Â Amendment Flag false Â Document Period End Date Sep. 30, 2024 Â Current Fiscal Year End Date --12-31 Â Document Fiscal Year Focus 2024 Â Document Fiscal Period Focus Q3 Â Entity Central Index Key 0001826681 Â Entity Registrant Name Palladyne AI Corp. Â Entity File Number 001-39897 Â Entity Incorporation, State or Country Code DE Â Entity Address, Address Line One 650 South 500 West Â Entity Address, Address Line Two Suite 150 Â Entity Address, City or Town Salt Lake City Â Entity Address, State or Province UT Â Entity Address, Postal Zip Code 84101 Â City Area Code 888 Â Local Phone Number 927-7296 Â Entity Tax Identification Number 85-2838301 Â Entity Current Reporting Status Yes Â Entity Interactive Data Current Yes Â Entity Filer Category Non-accelerated Filer Â Entity Small Business true Â Entity Emerging Growth Company true Â Entity Ex Transition Period false Â Entity Shell Company false Â Document Quarterly Report true Â Document Transition Report false Â Entity Common Stock, Shares Outstanding Â 30,112,399 Common Stock Â Â Document Information [Line Items] Â Â Trading Symbol PDYN Â Title of 12(b) Security Common Stock, $0.0001 par value per share Â Security Exchange Name NASDAQ Â Warrants to Purchase Common Stock Â Â Document Information [Line Items] Â Â Trading Symbol PDYNW Â Title of 12(b) Security Warrants to purchase Common Stock Â Security Exchange Name NASDAQ 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 - 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 - 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: dei_DocumentInformationLineItems Namespace Prefix: dei_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionFor the EDGAR submission types of Form 8-K: the date of the report, the date of the earliest event reported; for the EDGAR submission types of Form N-1A: the filing date; for all other submission types: the end of the reporting or transition period. The format of the date is YYYY-MM-DD. + ReferencesNo definition available. + Details Name: dei_DocumentPeriodEndDate Namespace Prefix: dei_ Data Type: xbrli:dateItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true only for a form used as an quarterly report. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 10-Q -Number 240 -Section 308 -Subsection a + Details Name: dei_DocumentQuarterlyReport Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true only for a form used as a transition report. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Forms 10-K, 10-Q, 20-F -Number 240 -Section 13 -Subsection a-1 + Details Name: dei_DocumentTransitionReport Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionThe type of document being provided (such as 10-K, 10-Q, 485BPOS, etc). The document type is limited to the same value as the supporting SEC submission type, or the word 'Other'. + ReferencesNo definition available. + Details Name: dei_DocumentType Namespace Prefix: dei_ Data Type: dei:submissionTypeItemType Balance Type: na Period Type: duration X - DefinitionAddress Line 1 such as Attn, Building Name, Street Name + ReferencesNo definition available. + Details Name: dei_EntityAddressAddressLine1 Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionAddress Line 2 such as Street or Suite number + ReferencesNo definition available. + Details Name: dei_EntityAddressAddressLine2 Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionName of the City or Town + ReferencesNo definition available. + Details Name: dei_EntityAddressCityOrTown Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionCode for the postal or zip code + ReferencesNo definition available. + Details Name: dei_EntityAddressPostalZipCode Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionName of the state or province. + ReferencesNo definition available. + Details Name: dei_EntityAddressStateOrProvince Namespace Prefix: dei_ Data Type: dei:stateOrProvinceItemType Balance Type: na Period Type: duration X - DefinitionA unique 10-digit SEC-issued value to identify entities that have filed disclosures with the SEC. It is commonly abbreviated as CIK. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityCentralIndexKey Namespace Prefix: dei_ Data Type: dei:centralIndexKeyItemType Balance Type: na Period Type: duration X - DefinitionIndicate number of shares or other units outstanding of each of registrant's classes of capital or common stock or other ownership interests, if and as stated on cover of related periodic report. Where multiple classes or units exist define each class/interest by adding class of stock items such as Common Class A [Member], Common Class B [Member] or Partnership Interest [Member] onto the Instrument [Domain] of the Entity Listings, Instrument. + ReferencesNo definition available. + Details Name: dei_EntityCommonStockSharesOutstanding Namespace Prefix: dei_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionIndicate 'Yes' or 'No' whether registrants (1) have filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that registrants were required to file such reports), and (2) have been subject to such filing requirements for the past 90 days. This information should be based on the registrant's current or most recent filing containing the related disclosure. + ReferencesNo definition available. + Details Name: dei_EntityCurrentReportingStatus Namespace Prefix: dei_ Data Type: dei:yesNoItemType Balance Type: na Period Type: duration X - DefinitionIndicate if registrant meets the emerging growth company criteria. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityEmergingGrowthCompany Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionIndicate if an emerging growth company has elected not to use the extended transition period for complying with any new or revised financial accounting standards. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Securities Act -Number 7A -Section B -Subsection 2 + Details Name: dei_EntityExTransitionPeriod Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionCommission file number. The field allows up to 17 characters. The prefix may contain 1-3 digits, the sequence number may contain 1-8 digits, the optional suffix may contain 1-4 characters, and the fields are separated with a hyphen. + ReferencesNo definition available. + Details Name: dei_EntityFileNumber Namespace Prefix: dei_ Data Type: dei:fileNumberItemType Balance Type: na Period Type: duration X - DefinitionIndicate whether the registrant is one of the following: Large Accelerated Filer, Accelerated Filer, Non-accelerated Filer. Definitions of these categories are stated in Rule 12b-2 of the Exchange Act. This information should be based on the registrant's current or most recent filing containing the related disclosure. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityFilerCategory Namespace Prefix: dei_ Data Type: dei:filerCategoryItemType Balance Type: na Period Type: duration X - DefinitionTwo-character EDGAR code representing the state or country of incorporation. + ReferencesNo definition available. + Details Name: dei_EntityIncorporationStateCountryCode Namespace Prefix: dei_ Data Type: dei:edgarStateCountryItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true when the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-T -Number 232 -Section 405 + Details Name: dei_EntityInteractiveDataCurrent Namespace Prefix: dei_ Data Type: dei:yesNoItemType Balance Type: na Period Type: duration X - DefinitionThe exact name of the entity filing the report as specified in its charter, which is required by forms filed with the SEC. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityRegistrantName Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true when the registrant is a shell company as defined in Rule 12b-2 of the Exchange Act. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityShellCompany Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionIndicates that the company is a Smaller Reporting Company (SRC). + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntitySmallBusiness Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionThe Tax Identification Number (TIN), also known as an Employer Identification Number (EIN), is a unique 9-digit value assigned by the IRS. + ReferencesReference 1:

http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityTaxIdentificationNumber Namespace Prefix: dei_ Data Type: dei:employerIdItemType Balance Type: na Period Type: duration X - DefinitionLocal phone number for entity. + ReferencesNo definition available. + Details Name: dei_LocalPhoneNumber Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionTitle of a 12(b) registered security. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b + Details Name: dei_Security12bTitle Namespace Prefix: dei_ Data Type: dei:securityTitleItemType Balance Type: na Period Type: duration X - DefinitionName of the Exchange on which a security is registered. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection d1-1 + Details Name: dei_SecurityExchangeName Namespace Prefix: dei_ Data Type: dei:edgarExchangeCodeItemType Balance Type: na Period Type: duration X - DefinitionTrading symbol of an instrument as listed on an exchange. + ReferencesNo definition available. + Details Name: dei_TradingSymbol Namespace Prefix: dei_ Data Type: dei:tradingSymbolItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_StatementClassOfStockAxis=us-gaap_CommonStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementClassOfStockAxis=pdyn_WarrantsToPurchaseCommonStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 13 R2.htm IDEA: XBRL DOCUMENT v3.24.3 CONDENSED CONSOLIDATED BALANCE SHEETS - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Current assets: Â Â Cash and cash equivalents $ 21,328 $ 23,139 Marketable securities 0 15,947 Accounts receivable 618 555 Unbilled receivables 1,579 2,034 Inventories 0 1,065 Prepaid expenses and other current assets 1,173 2,323 Total current assets 24,698 45,063 Property and equipment, net 4,410 4,842 Operating lease assets 9,160 10,092 Other non-current assets 470 429 Total assets 38,738 60,426 Current liabilities: Â Â Accounts payable 178 1,291 Accrued liabilities 3,546 5,805 Current operating lease liabilities 1,196 1,360 Total current liabilities 4,920 8,456 Operating lease liabilities 10,193 11,036 Other non-current liabilities 204 29 Total liabilities 15,317 19,521 Commitments and contingencies (Note 9) Stockholders' equity: Â Â Common stock, $0.0001 par value, 165,000,000 shares authorized as of September 30, 2024, and December 31, 2023; 26,863,965 and 25,877,865 shares issued and outstanding as of September 30, 2024, and December 31, 2023, respectively 3 3 Additional paid-in capital 461,280 459,113 Accumulated other comprehensive income 0 3 Accumulated deficit (437,862) (418,214) Total stockholders' equity 23,421 40,905 Total liabilities and stockholders' equity $ 38,738 $ 60,426 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 - 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 of liability recognized for present obligation requiring transfer or otherwise providing economic benefit to others. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(26)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 11: 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 12: 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 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 15: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(14)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 18: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 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-Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 28: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 29: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30 + Details Name: us-gaap_Liabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of liabilities and equity items, including the portion of equity attributable to noncontrolling interests, if any. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(32)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_LiabilitiesAndStockholdersEquity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionTotal obligations incurred as part of normal operations that are expected to be paid during the following twelve months or within one business cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 8: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-5Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 20: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 21: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7 + Details Name: us-gaap_LiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_LiabilitiesCurrentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of investment in marketable security, 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(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_MarketableSecuritiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit 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 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 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 asset related to consideration paid in advance for costs that provide economic benefits in future periods, and amount of other assets that are expected to be realized or consumed within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_PrepaidExpenseAndOtherAssetsCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount after accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business to produce goods and services and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -SubTopic 10 -Topic 360 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-7AReference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 360 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478451/942-360-50-1 + Details Name: us-gaap_PropertyPlantAndEquipmentNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of accumulated undistributed earnings (deficit). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)(a)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (h)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-11Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(23)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_RetainedEarningsAccumulatedDeficit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(31)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 12: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 13: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 14: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 4.E) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480418/310-10-S99-2 + Details Name: us-gaap_StockholdersEquity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_StockholdersEquityAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionUnbilled amounts due for services rendered or to be rendered, actions taken or to be taken, or a promise to refrain from taking certain actions in accordance with the terms of a legally binding agreement between the entity and, at a minimum, one other party. An example would be amounts associated with contracts or programs where the recognized revenue for performance thereunder exceeds the amounts billed under the terms thereof as of the date of the balance sheet. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 912 -SubTopic 310 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478345/912-310-45-2 + Details Name: us-gaap_UnbilledContractsReceivable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 14 R3.htm IDEA: XBRL DOCUMENT v3.24.3 CONDENSED CONSOLIDATED BALANCE SHEETS (Parenthetical) - $ / shares Sep. 30, 2024 Dec. 31, 2023 Common stock, par value $ 0.0001 $ 0.0001 Common stock, shares authorized 165,000,000 165,000,000 Common stock, shares issued 26,863,965 25,877,865 Common stock, shares outstanding 26,863,965 25,877,865 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 XML 15 R4.htm IDEA: XBRL DOCUMENT v3.24.3 CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS (Unaudited) - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Revenue, net $ 871 $ 1,827 $ 7,025 $ 5,400 Operating expenses: Â Â Â Â Cost of revenue (exclusive of items shown separately below) 479 1,222 2,934 3,951 Research and development 2,582 10,011 7,825 31,120 General and administrative 3,965 7,557 13,381 25,544 Sales and marketing 1,331 1,750 3,516 9,901 Intangible amortization expense 0 819 0 2,457 Asset write-down and restructuring (187) 11,222 (192) 16,328 Total operating expenses 8,170 32,581 27,464 89,301 Loss from operations (7,299) (30,754) (20,439) (83,901) Interest income, net 249 806 967 2,779 (Loss) gain on warrant liability (43) 96 (175) 99 Other income, net 0 871 2 1,909 Loss before income tax expense (7,093) (28,981) (19,645) (79,114) Income tax expense (3) 0 (3) (3) Net loss $ (7,096) $ (28,981) $ (19,648) $ (79,117) Net loss per share Â Â Â Â Basic net loss per share $ (0.27) $ (1.13) $ (0.76) $ (3.09) Diluted net loss per share $ (0.27) $ (1.13) $ (0.76) $ (3.09) Weighted-average shares used in computing net loss per share Â Â Â Â Weighted average shares outstanding, Basic 26,177,413 25,706,023 26,018,708 25,563,895 Weighted average shares outstanding, Diluted 26,177,413 25,706,023 26,018,708 25,563,895 X - DefinitionEarning per share basic and diluted. + ReferencesNo definition available. + Details Name: pdyn_EarningPerShareBasicAndDilutedAbstract Namespace Prefix: pdyn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionEarning per share basic and diluted, other disclosure. + ReferencesNo definition available. + Details Name: pdyn_EarningPerShareBasicAndDilutedOtherDisclosureAbstract Namespace Prefix: pdyn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionGain (loss) on warrant liability. + ReferencesNo definition available. + Details Name: pdyn_GainLossOnWarrantLiability Namespace Prefix: pdyn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration 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 - 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 (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 12: 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 13: 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 14: 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 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)(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 - ReferencesNo definition available. + Details Name: us-gaap_CostsAndExpensesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe amount of net income (loss) for the period per each share of common stock or unit outstanding during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-52Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-15Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-7Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-10Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 19: 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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 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https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-7Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-7 + Details Name: us-gaap_EarningsPerShareDiluted Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe aggregate total of expenses of managing and administering the affairs of an entity, including affiliates of the reporting entity, which are not directly or indirectly associated with the manufacture, sale or creation of a product or product line. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1 + Details Name: us-gaap_GeneralAndAdministrativeExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of income (loss) from continuing operations, including income (loss) from equity method investments, before deduction of income tax expense (benefit), and income (loss) attributable to noncontrolling interest. + 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 income (expense) classified as operating. + 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/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(10)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_InterestIncomeExpenseNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount, after deduction of tax, noncontrolling interests, dividends on preferred stock and participating securities; of income (loss) available to common shareholders. + ReferencesReference 1: 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 2: 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 3: 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 4: 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 5: 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 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 5 -Subparagraph (SAB Topic 6.B) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-5Reference 7: 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 8: 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 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60B + Details Name: us-gaap_NetIncomeLossAvailableToCommonStockholdersBasic Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit 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 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, after cash payment, of expenses associated with exit or disposal activities pursuant to an authorized plan and expenses resulting from the write-down of assets. Excludes expenses related to a business combination, a discontinued operation or an asset retirement obligation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_RestructuringCostsAndAssetImpairmentCharges Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount, excluding 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_RevenueFromContractWithCustomerExcludingAssessedTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe aggregate total amount of expenses directly related to the marketing or selling of products or services. + ReferencesNo definition available. + Details Name: us-gaap_SellingAndMarketingExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe average number of shares or units issued and outstanding that are used in calculating diluted EPS or earnings per unit (EPU), determined based on the timing of issuance of shares or units in the period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 16 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-16 + Details Name: us-gaap_WeightedAverageNumberOfDilutedSharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNumber of [basic] shares or units, after adjustment for contingently issuable shares or units and other shares or units not deemed outstanding, determined by relating the portion of time within a reporting period that common shares or units have been outstanding to the total time in that period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-10 + Details Name: us-gaap_WeightedAverageNumberOfSharesOutstandingBasic Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration XML 16 R5.htm IDEA: XBRL DOCUMENT v3.24.3 CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE LOSS (Unaudited) - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Net loss $ (7,096) $ (28,981) $ (19,648) $ (79,117) Other comprehensive income (loss): Â Â Â Â Change in unrealized gain (loss) on available-for-sale investments 0 14 (3) 19 Total other comprehensive income (loss) 0 14 (3) 19 Comprehensive loss $ (7,096) $ (28,967) $ (19,651) $ (79,098) 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 - DefinitionAmount, after tax and adjustment, of unrealized gain (loss) on investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale) and 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 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 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 10A -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-10AReference 4: 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_OtherComprehensiveIncomeLossAvailableForSaleSecuritiesAdjustmentNetOfTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit 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 - ReferencesNo definition

available. + Details Name: us-gaap_OtherComprehensiveIncomeLossNetOfTaxPeriodIncreaseDecreaseAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na 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 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-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 XML 17 R6.htm IDEA: XBRL DOCUMENT v3.24.3 CONDENSED CONSOLIDATED STATEMENT OF CHANGES IN STOCKHOLDERS' EQUITY (Unaudited) - USD ($) $ in Thousands Total Additional Paid-In Capital Accumulated Other Comprehensive (Loss) Income Accumulated Deficit Common Stock Common Class A Beginning balance at Dec. 31, 2022 $ 144,450 $ 447,085 $ (17) $ (302,621) $ 3 Beginning balance (in Shares) at Dec. 31, 2022 Â Â Â Â 25,708,519 Stock-based compensation 2,664 2,664 Â Â Â Common stock issued under equity award plans (in Shares) Â Â Â Â 7,204 Shares repurchased for payment of tax withholdings and other 35 35 Â Â Â Shares repurchased for payment of tax withholdings and other (in Shares) Â Â Â Â (2,170) Other comprehensive gain loss 59 Â 59 Â Â Net loss (21,476) Â Â (21,476) Â Ending balance at Mar. 31, 2023 125,732 449,784 42 (324,097) $ 3 Ending balance (in Shares) at Mar. 31, 2023 Â Â Â Â 25,713,553 Beginning balance at Dec. 31, 2022 144,450 447,085 (17) (302,621) $ 3 Beginning balance (in Shares) at Dec. 31, 2022 Â Â Â Â 25,708,519 Other comprehensive gain loss 19 Â Â Â Â Net loss (79,117) Â Â Â Â Ending balance at Sep. 30, 2023 76,155 457,888 2 (381,738) $ 3 Ending balance (in Shares) at Sep. 30, 2023 Â Â Â Â 25,850,832 Beginning balance at Mar. 31, 2023 125,732 449,784 42 (324,097) $ 3 Beginning balance (in Shares) at Mar. 31, 2023 Â Â Â Â 25,713,553 Stock-based compensation 2,070 2,070 Â Â Â Common stock issued under equity award plans (in Shares) Â Â Â Â 151,327 Shares repurchased for payment of tax withholdings and other (39) (39) Â Â Â Shares repurchased for payment of tax withholdings and other (in Shares) Â Â Â Â (22,991) Other comprehensive gain loss (54) Â (54) Â Â Net loss (28,660) Â Â (28,660) Â Ending balance at Jun. 30, 2023 99,049 451,815 (12) (352,757) $ 3 Ending balance (in Shares) at Jun. 30, 2023 Â Â Â Â 25,841,889 Stock-based compensation 6,074 6,074 Â Â Â Common stock issued under equity award plans (in Shares) Â Â Â Â 19,751 Shares repurchased for payment of tax withholdings and other (1) (1) Â Â Â Shares repurchased for payment of tax withholdings and other (in Shares) Â Â Â Â (10,808) Other comprehensive gain loss 14 Â 14 Â Â Net loss (28,981) Â Â (28,981) Â Ending balance at Sep. 30, 2023 76,155 457,888 2 (381,738) $ 3 Ending balance (in Shares) at Sep. 30, 2023 Â Â Â Â 25,850,832 Beginning balance at Dec. 31, 2023 40,905 459,113 3 (418,214) $ 3 Beginning balance (in Shares) at Dec. 31, 2023 Â Â Â Â 25,877,865 Stock-based compensation 571 571 Â Â Â Common stock issued under equity award plans (in Shares) Â Â Â Â 697,967 Shares repurchased for payment of tax withholdings and other (42) (42) Â Â Â Shares repurchased for payment of tax withholdings and other (in Shares) Â Â Â Â (23,260) Other comprehensive gain loss (4) Â (4) Â Â Net loss (7,229) Â Â (7,229) Â Ending balance at Mar. 31, 2024 34,201 459,642 (1) (425,443) $ 3 Ending balance (in Shares) at Mar. 31, 2024 Â Â Â Â 26,552,572 Beginning balance at Dec. 31, 2023 $ 40,905 459,113 3 (418,214) $ 3 Beginning balance (in Shares) at Dec. 31, 2023 Â Â Â Â 25,877,865 Exercise of stock options (in Shares) 109,722 Â Â Â Â Other comprehensive gain loss $ (3) Â Â Â Â Net loss (19,648) Â Â Â Â Ending balance at Sep. 30, 2024 23,421 461,280 Â (437,862) $ 3 Ending balance (in Shares) at Sep. 30, 2024 Â Â Â Â 26,863,965 Beginning balance at Mar. 31, 2024 34,201 459,642 (1) (425,443) $ 3 Beginning balance (in Shares) at Mar. 31, 2024 Â Â Â Â 26,552,572 Stock-based compensation 958 958 Â Â Â Common stock issued under equity award plans (in Shares) Â Â Â Â 198,127 Shares repurchased for payment of tax withholdings and other (30) (30) Â Â Â Shares repurchased for payment of tax withholdings and other (in Shares) Â Â Â Â (15,200) Exercise of stock options 4 4 Â Â Â Â Exercise of stock options (in Shares) Â Â Â Â 34,195 Other comprehensive gain loss 1 Â $ 1 Â Â Net loss (5,323) Â Â (5,323) Â Ending balance at Jun. 30, 2024 29,811 460,574 Â (430,766) $ 3 Ending balance (in Shares) at Jun. 30, 2024 Â Â Â Â 26,769,694 Stock-based compensation 698 698 Â Â Â Common stock issued under equity award plans (in Shares) Â Â Â Â 26,851 Shares repurchased for payment of tax withholdings and other (12) (12) Â Â Â Shares repurchased for payment of tax withholdings and other (in Shares) Â Â Â Â (8,107) Exercise of stock options 20 20 Â Â Â Exercise of stock options (in Shares) Â Â Â Â 75,527 Other comprehensive gain loss 0 Â Â Â Â Net loss (7,096) Â Â (7,096) Â Ending balance at Sep. 30, 2024 $ 23,421 $ 461,280 Â $ (437,862) $ 3 Ending balance (in Shares) at Sep. 30, 2024 Â Â Â Â 26,863,965 X - DefinitionShares repurchased for payment of tax withholdings and other, shares. + ReferencesNo definition available. + Details Name: pdyn_SharesRepurchasedForPaymentOfTaxWithholdingsAndOtherShares Namespace Prefix: pdyn_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionShares repurchased for payment of tax withholdings and other, value. + ReferencesNo definition available. + Details Name: pdyn_SharesRepurchasedForPaymentOfTaxWithholdingsAndOtherValue Namespace Prefix: pdyn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionStock Issued During Period Shares Under Equity Award Plans + ReferencesNo definition available. + Details Name: pdyn_StockIssuedDuringPeriodSharesUnderEquityAwardPlans Namespace Prefix: pdyn_ Data Type: xbrli:sharesItemType Balance Type: na 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 - 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: 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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 - DefinitionNumber of shares issued which are neither cancelled nor held in the treasury. + ReferencesNo definition available. + Details Name: us-gaap_SharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionNumber of 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 18 R7.htm IDEA: XBRL DOCUMENT v3.24.3 CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (Unaudited) - USD ($) $ in Thousands 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Cash flows from operating activities: Â Â Net loss $ (19,648) $ (79,117) Adjustments to reconcile net loss to net cash used in operating activities: Â Â Stock-based compensation 2,227 10,808 Depreciation of property and equipment 612 1,261 Amortization of intangible assets 0 2,457 Change in fair value of warrant liability 175 (99) Amortization of investment discount (56) (1,833) Asset write-down 0 10,827 Changes in operating assets and liabilities: Â Â Accounts receivable (63) 465 Unbilled receivable 455 2,547 Inventories 1,065 (7,169) Prepaid expenses and other current assets 1,150 2,343 Other non-current assets 891 930 Accounts payable (1,076) (1,525) Accrued liabilities and other current liabilities (2,420) (1,021) Other liabilities (843) (997) Net cash used in operating activities (17,531) (60,123) Cash flows from investing activities: Â Â Purchases of property and equipment (217) (1,033) Purchases of marketable securities 0 (58,622) Maturities of marketable securities 16,000 120,000 Net cash provided by investing activities 15,783 60,345 Cash flows from financing activities: Â Â Proceeds from exercise of stock options 24 0 Shares repurchased for payment of tax withholdings (84) (68) Payment of obligations under capital leases (3) (3) Net cash used in financing activities (63) (71) Net (decrease) increase in cash, cash equivalents (1,811) 151 Cash and cash equivalents at beginning of period 23,139 35,159 Cash and cash equivalents at end of period 21,328 35,310 Supplemental disclosure of cash flow information: Â Â Cash paid for income taxes $ 10 $ 3 X - DefinitionIncrease Decrease in Unbilled Receivables Under Changes in Operating Assets. + ReferencesNo definition available. + Details Name: pdyn_IncreaseDecreaseInUnbilledReceivablesUnderChangesInOperatingAssets Namespace Prefix: pdyn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionPayment of obligations under capital leases. + ReferencesNo definition available. + Details Name: pdyn_PaymentOfObligationsUnderCapitalLeases Namespace Prefix: pdyn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionShares repurchased for payment of tax withholdings. + ReferencesNo definition available. + Details Name: pdyn_SharesRepurchasedForPaymentOfTaxWithholdings Namespace Prefix: pdyn_ 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 - 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 - DefinitionAmount of write-down of assets recognized in the income statement. Includes, but is not limited to, losses from tangible assets, intangible assets and goodwill. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 360 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-4 + Details Name: us-gaap_AssetImpairmentCharges Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage. Excludes amount for disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4 + Details Name: us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of increase (decrease) in cash, cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; including effect from exchange rate change. Cash includes,

but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 1 -SubTopic 230 -Topic 830 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477401/830-230-45-1 + Details Name: us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe 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 - DefinitionAmount of expense (income) related to adjustment to fair value of warrant liability. + 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 -Section 25 -Paragraph 13 -SubTopic 10 -Topic 480 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481766/480-10-25-13 + Details Name: us-gaap_FairValueAdjustmentOfWarrants 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 - DefinitionAmount of increase (decrease) in accrued expenses, and obligations classified as other. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInAccruedLiabilitiesAndOtherOperatingLiabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - 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 - DefinitionThe increase (decrease) during the reporting period in the amount of outstanding money paid in advance for goods or services that bring economic benefits for future periods. + 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_IncreaseDecreaseInPrepaidExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of accretion of purchase discount on nonoperating securities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_InvestmentIncomeAmortizationOfDiscount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cash inflow (outflow) from financing activities, including discontinued operations. Financing activity cash flows include obtaining resources from owners and providing them with a return on, and a return of, their investment; borrowing money and repaying amounts borrowed, or settling the obligation; and obtaining and paying for other resources obtained from creditors on long-term credit. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24 + Details Name: us-gaap_NetCashProvidedByUsedInFinancingActivities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NetCashProvidedByUsedInFinancingActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of cash inflow (outflow) from investing activities, including discontinued operations. Investing activity cash flows include making and collecting loans and acquiring and disposing of debt or equity instruments and property, plant, and equipment and other productive assets. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24 + Details Name: us-gaap_NetCashProvidedByUsedInInvestingActivities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NetCashProvidedByUsedInInvestingActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of cash inflow (outflow) from operating activities, including discontinued operations. Operating activity cash flows include transactions, adjustments, and changes in value not defined as investing or financing activities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-25 + Details Name: us-gaap_NetCashProvidedByUsedInOperatingActivities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NetCashProvidedByUsedInOperatingActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-6Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 17: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-10Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 34: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cash outflow for purchase of marketable security. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481830/320-10-45-11 + Details Name: us-

gaap_PaymentsToAcquireMarketableSecurities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe cash 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 - DefinitionThe cash inflow associated with the aggregate amount received by the entity through sale or maturity of marketable securities (held-to-maturity or available-for-sale) during the period. + ReferencesNo definition available. + Details Name: us-gaap_ProceedsFromSaleAndMaturityOfMarketableSecurities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash inflow from exercise of option under share-based payment arrangement. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 14 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2A -Subparagraph (a) -SubTopic 10 -Topic 718 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2A + Details Name: us-gaap_ProceedsFromStockOptionsExercised Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of noncash expense for share-based payment arrangement. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_ShareBasedCompensation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_SupplementalCashFlowInformationAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 19 R8.htm IDEA: XBRL DOCUMENT v3.24.3 Pay vs Performance Disclosure - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Pay vs Performance Disclosure Â Â Â Â Net Income (Loss) $ (7,096) $ (28,981) $ (19,648) $ (79,117) 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 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-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 21 R10.htm IDEA: XBRL DOCUMENT v3.24.3 Basis of Presentation and Summary of Significant Accounting Policies 9 Months Ended Sep. 30, 2024 Accounting Policies [Abstract] Â Basis of Presentation and Summary of Significant Accounting Policies 1. Basis of Presentation and Summary of Significant Accounting Policiesâ€‹Description of the BusinessÂ Palladyne AI Corp. (the â€œCompanyâ€ or â€œPalladyne AIâ€) is a pioneer in the robotic systems industry. The Companyâ€™s mission is to deliver software to its customers that enhances the utility and functionality of third-party stationary and mobile robotic systems by enabling these systems to quickly observe, learn, reason and act in structured and unstructured environments. The Companyâ€™s full-stack, closed-loop autonomy software platform (â€œAI/ML Software Platformâ€) is being designed with artificial intelligence (â€œAIâ€) and machine learning (â€œMLâ€) technologies to enable robotic systems to perceive their environment and quickly adapt to changing circumstances by generalizing (i.e., learning) from their past experience using dynamic real-time operations â€œon the edgeâ€ (i.e., on the robotic system) without extensive programming and with minimal robot training. To reflect the Companyâ€™s transition from a hardware-focused company, in March 2024 the Company changed its name from Sarcos Technology and Robotics Corporation to Palladyne AI Corp. Â Basis of Presentation and Consolidationâ€‹The accompanying interim unaudited condensed consolidated financial statements have been prepared in accordance with accounting principles generally accepted in the United States (â€œGAAPâ€). The condensed consolidated financial statements as of September 30, 2024, are unaudited. The condensed consolidated balance sheet as of December 31, 2023, included herein was derived from the audited consolidated financial statements as of that date. Certain information and note disclosures normally included in annual financial statements prepared in accordance with GAAP have been condensed or omitted. As such, the information included herein should be read in conjunction with the consolidated financial statements and accompanying notes as of and for the year ended December 31, 2023, included in the Companyâ€™s Annual Report on Form 10-K, filed with the SEC on February 28, 2024. The condensed consolidated financial statements include the accounts of the Company and its wholly owned subsidiaries. All intercompany accounts and transactions have been eliminated in consolidation. The Companyâ€™s fiscal year begins on January 1 and ends on December 31. In the opinion of the Companyâ€™s management, the unaudited condensed consolidated financial statements include all adjustments necessary for fair financial statement presentation. All adjustments are of a normal recurring nature. Interim results are not necessarily indicative of the results to be expected for any subsequent quarter or for the fiscal year ending December 31, 2024. Â Reverse Stock SplitÂ On July 5, 2023, the Company effected a 1-for-6 reverse stock split ("Reverse Stock Split") of the Company's outstanding shares of Common Stock, as approved by the Company's stockholders at the Companyâ€™s Annual Meeting of Stockholders held on June 14, 2023. All share and per share amounts of Common Stock, options, warrants, restricted stock and restricted stock units in the accompanying condensed consolidated financial statements and notes thereto have been retroactively adjusted for all periods presented to reflect the reverse stock split.Â Summary of Significant Accounting Policies and Use of EstimatesÂ There have been no changes to the Companyâ€™s significant accounting policies, and use of estimates and assumptions described in the annual consolidated financial statements for the year ended December 31, 2023, that have had a material impact on the Companyâ€™s condensed consolidated financial statements and related notes. Liquidity and Capital ResourcesÂ Cash, cash equivalents and marketable securities were $21.3 million as of September 30, 2024, compared to $39.1 million as of December 31, 2023. The Company has incurred losses and negative cash flows from operations since inception and is likely to continue to incur losses and negative cash flows from operations in the near term. As of September 30, 2024, the Company had an accumulated deficit of approximately $437.9 million and working capital of $19.8 million. Â These financial statements have been prepared in accordance with GAAP and on the basis that the Company will continue as a going concern, which contemplates the realization of assets and the satisfaction of liabilities and commitments in the normal course of business. The Companyâ€™s main source of liquidity has been cash generated by equity offerings. The Companyâ€™s primary use of cash is for operations and administrative activities including employee-related expenses, and general, operating and overhead expenses. Future capital requirements will depend on many factors, including the Companyâ€™s timing and extent of development efforts, the expansion and success of sales and marketing activities, customer growth rate, customer retention, the introduction of new and enhanced product offerings and market acceptance of the Companyâ€™s products. The Company believes it has sufficient financial resources for at least the next 12 months from the date of this Report. Â Revenue RecognitionÂ The Company recognizes revenue from the sale of its products and from the delivery of goods and services arising out of its contractual arrangements to provide product development contract services that are funded by the customer. The Company recognizes revenue when promised goods or services are transferred to customers in an amount that reflects the consideration to which the Company expects to be entitled in exchange for those goods or services by following a five-step process: (1)Identify the contract with a customer: A contract with a customer exists when (i) the Company enters into an enforceable contract with a customer that defines each partyâ€™s rights and obligations regarding the products and services to be transferred and identifies the payment terms related to these products and services, (ii) the contract has commercial substance and (iii) the Company determines that collection of substantially all consideration for products and services that are transferred is probable based on the customerâ€™s intent and ability to pay the promised consideration. Contract modifications may include changes in scope of work, and/or the period of completion of the project. The Company analyzes contract modifications to determine if they should be accounted for as a modification to an existing contract or a new stand-alone contract.Â (2)Identify the performance obligations in the contract: The Company enters into contracts that can include combinations of products and services, which are either capable of being distinct and accounted for as separate performance obligations or as one performance obligation if the majority of tasks and services form a single project or capability. Determining whether products or services are considered distinct performance obligations that should be accounted for separately may require significant judgment.Â (3)Determine the transaction price: The transaction price is determined based on

the consideration to which the Company will be entitled in exchange for transferring goods or services to the customer. Such amounts are typically stated in the customer contract. However, to the extent that the Company identifies variable consideration, the Company will estimate the variable consideration at the onset of the arrangement as long as it is probable that a significant reversal in the amount of cumulative revenue recognized will not occur when the uncertainty associated with the variable consideration is subsequently resolved. The Companyâ€™s current contracts do not include any significant financing components because the timing of the transfer of the underlying products and services under contract are at the customer's discretion. Additionally, the Company does not adjust the promised amount of consideration for the effects of a significant financing component if the Company expects, at contract inception, that the period between when the Company transfers a promised good or service to a customer and when the customer pays for that good or service will be one year or less. Taxes collected from customers and remitted to governmental authorities are not included in revenue. Â (4)Allocate the transaction price to performance obligations in the contract: Once the Company has determined the transaction price, the total transaction price is allocated to each performance obligation in a manner depicting the amount of consideration to which the Company expects to be entitled in exchange for transferring the good(s) or service(s) to the customer. If applicable, the Company allocates the transaction price to each performance obligation identified in the contract on a relative standalone selling price basis. The standalone selling price represents the amount the Company would sell the good(s) or service(s) to a customer on a standalone basis. For government contracts, the Company uses expected cost plus a margin as the standalone selling price. Because the Company's contract pricing with government customers is generally based on expected cost plus a margin, the standalone selling price of the good(s) or service(s) in the Company's contracts with government customers are typically equal to the selling price stated in the contract. When we sell standard good(s) or service(s) with observable standalone sale transactions, the observable standalone sales transactions are used to determine the standalone selling price.Â (5)Recognize revenue when or as the Company satisfies a performance obligation: For each performance obligation identified, the Company determines at contract inception whether it satisfies the performance obligation over time or at a point in time. For performance obligations satisfied over time, revenue is recognized as work progresses when the Company is entitled to the reimbursement of costs plus a reasonable profit for work performed for which the Company has no alternate use. For these performance obligations, the Company generally recognizes revenue using an input method with revenue amounts being recognized proportionately as costs are incurred relative to the total expected costs to satisfy the performance obligation. The Company believes that costs incurred as a portion of total estimated costs is an appropriate measure of progress towards satisfaction of the performance obligation since this measure reasonably depicts the progress of the work effort. Revenue for performance obligations that are not recognized over time are recognized at the point in time when control transfers to the customer (which is generally upon delivery). For performance obligations that are satisfied at a point in time, the Company evaluates the point in time when the customer can direct the use of, and obtain the benefits from, the products and services. Shipping and handling costs are recorded at the time of product shipment to the customer and are included within revenue.Â Revenue from Contracts with CustomersÂ The Company derives its revenue from two sources. First, the Company enters into research and development agreements primarily relating to the commercialization of the Companyâ€™s products. Second, the Company sells its products and related parts and repair services. Product development contract revenue includes revenue arising from different types of contractual arrangements, including cost-type contracts and fixed-price contracts. Product revenue primarily consists of sales of the Companyâ€™s products. Product Development Contract Revenue Cost-type contracts â€“ Research, development and/or testing service contracts, including cost-plus-fixed-fee and time and material contracts, relate primarily to the development of the Company's products and related technology. Cost-type contracts are generally entered into with the U.S. government. These contracts are billed at cost plus a margin as defined by the contract and the Federal Acquisition Regulation (â€œFARâ€). The FAR establishes regulations around procurement by the government and provides guidance on the types of costs that are allowable in establishing prices for goods and services delivered under government contracts. Revenue on cost-type contracts is recognized over time as goods and services are provided. Fixed-price contracts â€“ Fixed-price development contracts relate primarily to the development of technology in the area of robotic platforms. Fixed-price development contracts generally require a significant service of integrating a complex set of tasks and components into a single deliverable. Revenue on fixed-price contracts is generally recognized over time as goods and services are provided. To the extent the Companyâ€™s actual costs vary from the fixed fee, we will generate more or less profit or could incur a loss. The Company will recognize losses at the contract level in earnings in the period in which they are incurred.Â Product Revenue Product revenue relates to sales of the Companyâ€™s legacy commercially available products, and certain miscellaneous parts, accessories and repair services. The Company provides a limited one-year warranty on certain product sales. Product warranties are considered assurance-type warranties and are not considered to be separate performance obligations. Product revenue is recognized at the point in time when ownership of the goods is transferred, generally at the time of shipment to the customer. At the time product revenue is recognized, an accrual is established for estimated warranty expenses based on historical experience as well as anticipated product performance. Revenue recognized for Product Development Contract Revenue and Product Revenue for the three and nine months ended September 30, 2024 and 2023, were as follows:Â Â For the three months ended September 30, Â Â For the nine months ended September 30, Â (In thousands) Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Product Development Contract Revenue Â $ 764 Â Â Â $ 1,044 Â Â Â $ 4,359 Â Â Â $ 4,614 Â Product Revenue Â Â 107 Â Â Â 783 Â Â Â 2,666 Â Â Â 786 Â Revenue, net Â $ 871 Â Â Â $ 1,827 Â Â Â $ 7,025 Â Â Â $ 5,400 Â Â Contract Balances Â The timing of revenue recognition, billing and cash collection results in the recognition of accounts receivable, unbilled receivables, contract assets and deferred revenue in the Companyâ€™s condensed consolidated balance sheets.Â Cash funds received in excess of revenue recognized that is contingent upon the satisfaction of performance obligations is accounted for as deferred revenue. Contract assets include unbilled receivables which are amounts resulting from timing differences between revenue recognition and billing in accordance with agreed-upon contractual terms, which typically occur subsequent to revenue being recognized. The opening and closing balances of our accounts receivable, unbilled receivables, contract assets and deferred revenue as of September 30, 2024 and December 31, 2023, are as follows:Â (In thousands) Â Accounts receivable Â Â Unbilled receivable Â Â Contract assets(current) Â Â Contract assets(long-term) Â Â Deferred revenue(current) Â Ending Balance as of December 31, 2023 Â $ 555 Â Â $ 2,034 Â Â $ 50 Â Â $ 1 Â Â $ 75 Â Increase/(decrease), net Â Â 63 Â Â Â (455) Â Â (24) Â Â (1) Â Â (75) Ending Balance as of September 30, 2024 Â $ 618 Â Â Â $ 1,579 Â Â $ 26 Â Â $ â€” Â Â $ â€” Â Â The Company recorded its current contract assets, long-term contract assets and current deferred revenue within prepaid expenses and other current assets, other non-current assets and accrued liabilities, respectively. During the three and nine months ended September 30, 2024, the Company recognized all of the deferred revenue which existed at December 31, 2023. There was no deferred revenue as of December 31, 2022.Â Remaining Performance ObligationsÂ As of September 30, 2024, the Company had backlog, or revenue related to remaining performance obligations, of $3.7 million. The Company expects most of this backlog to be recognized over the next 12 months. The Companyâ€™s backlog represents the expected value of exercised contracts, both funded and unfunded, less revenue recognized to date.Recently Issued Accounting Standard Pronouncements Â As an emerging growth company (â€œEGCâ€), the Jumpstart Our Business Startups Act (â€œJOBS Actâ€) allows the Company to delay adoption of new or revised accounting pronouncements applicable to public companies until such pronouncements are applicable to private companies. The Company has elected to use this extended transition period under the JOBS Act until such time as the Company is no longer considered to be an EGC. The adoption dates discussed below reflect this election. In November 2023, the Financial Accounting Standards Board (â€œFASBâ€) issued ASU No. 2023-07 (â€œASU 2023-07â€), Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures, which requires enhanced disclosure of significant segment expenses on an annual and interim basis. ASU 2023-07 is effective for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 31, 2024, on a retrospective basis. Early adoption is permitted. The Company is currently evaluating the impact of this accounting standard update on its consolidated financial statements and related disclosures.Â In December 2023, the FASB issued ASU No. 2023-09 (â€œASU 2023-09â€), Income Taxes (Topic 740): Improvements to Income Tax Disclosures. ASU 2023-09 requires companies to disclose, on an annual basis, specific categories in the effective tax rate reconciliation and provide additional information for reconciling items that meet a quantitative threshold. In addition, ASU 2023-09 requires companies to disclose additional information about income taxes paid. ASU 2023-09 will be effective for annual periods beginning January 1, 2026 and will be applied on a prospective basis with the option to apply the standard retrospectively. The Company does not expect a material impact on its consolidated financial statements related to ASU 2023-09. 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 the basis of presentation and significant accounting policies concepts. Basis of presentation describes the underlying basis used to prepare the financial statements (for example, US Generally Accepted Accounting Principles, Other Comprehensive Basis of Accounting, IFRS). Accounting policies describe all significant accounting policies of the reporting entity. + ReferencesReference 1: 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_BasisOfPresentationAndSignificantAccountingPoliciesTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 22 R11.htm IDEA: XBRL DOCUMENT v3.24.3 Fair Value Measurements 9 Months Ended Sep. 30, 2024 Fair Value Disclosures [Abstract] Â Fair Value Measurements 2. Fair Value MeasurementsÂ ASC Topic 820, Fair Value Measurement, defines fair value as the exchange price that would be received for an asset, or an exit price paid to transfer a liability in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants on the measurement date. Valuation techniques used to measure fair value must maximize the use of observable inputs and minimize the use of unobservable inputs. The fair value hierarchy defines a three-level valuation hierarchy for disclosure of fair value measurements as follows:Â Level 1â€”Fair value is based on observable inputs such as quoted prices for identical assets or liabilities in active markets.Â Level 2â€”Fair value is determined using quoted prices for similar assets or liabilities in active markets or quoted prices for identical or similar assets or liabilities in markets that are not active or are directly or indirectly observable.Â Level 3â€”Fair value is determined using one or more significant inputs that are unobservable in active markets at the measurement date, such as an option pricing model, discounted cash flow or similar technique.Â Financial Assets and Liabilities Measured at Fair Value on a Recurring BasisÂ On a recurring basis, the Company measures certain of its financial assets and liabilities at fair value. The fair value of the Companyâ€™s financial assets and liabilities measured at fair value on a recurring basis was determined using the following inputs as of September 30, 2024 and December 31, 2023:Â Â As of September 30, 2024 Â (In thousands) Â Level 1 Â Â Level 2 Â Â Level 3 Â Â Total Â Assets: Â Â Â Â Â Â Â Â Â Â Â Â Cash equivalents: Â Â Â Â Â Â Â Â Â Â Â Â U.S. Treasury securities Â $ 3,000 Â Â $ â€” Â Â $ â€” Â Â $ 3,000 Â Total assets Â $ 3,000 Â Â $ â€” Â Â $ â€” Â Â $ 3,000 Â Â Â Â Â Â Â Â Â Â Â Â Liabilities: Â Â Â Â Â Â Â Â Â Â Â Â Warrant liability Â $ â€” Â Â $ 204 Â Â $ â€” Â Â $ 204 Â Total liabilities Â $ â€” Â Â $ 204 Â Â $ â€” Â Â $ 204 Â Â ï»¿ Â As of December 31, 2023 Â (In thousands) Â Level 1 Â Â Level 2 Â Â Level 3 Â Â Total Â Assets: Â Â Â Â Â Â Â Â Â Â Â Â Cash equivalents: Â Â Â Â Â Â Â Â Â Â Â Â U.S. Treasury securities Â $ 4,973 Â Â $ â€” Â Â $ â€” Â Â $ 4,973 Â Marketable securities: Â Â Â Â Â Â Â Â Â Â Â Â U.S. treasury securities Â Â 15,947 Â Â Â â€” Â Â Â â€” Â Â Â 15,947 Â Total assets Â $ 20,920 Â Â $ â€” Â Â $ â€” Â Â $ 20,920 Â Â Â Â Â Â Â Â Â Â Â Â Liabilities: Â Â Â Â Â Â Â Â Â Â Â Â Warrant liability Â $ â€” Â Â $ 29 Â Â $ â€” Â Â $ 29 Â Total liabilities Â $ â€” Â Â $ 29 Â Â $ â€” Â Â $ 29 Â Â As of September 30, 2024, the Company held $3.0 million of available-for-sale debt securities with maturity dates within one year. The fair value of the Company's available-for-sale debt securities approximates their amortized cost basis. The Company considers all highly liquid investments purchased with an original maturity of three months or less to be cash equivalents. The carrying amounts of accounts receivable, unbilled receivables, accounts payable and accrued expenses approximate their fair values because of the relatively short periods until they are required to be settled. 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 23 R12.htm IDEA: XBRL DOCUMENT v3.24.3 Balance Sheet Components 9 Months Ended Sep. 30, 2024 Organization, Consolidation and Presentation of Financial Statements [Abstract] Â Balance Sheet Components 3. Balance Sheet ComponentsÂ Inventories, NetÂ As of September 30, 2024 and December 31, 2023, inventories, net consisted of the following:Â (In thousands) Â September 30, 2024 Â Â December 31, 2023 Â Finished goods, net Â $ â€” Â Â $ 1,065 Â Total inventories Â $ â€” Â Â $ 1,065 Â Â Prepaid Expenses and Other Current AssetsÂ As of September 30, 2024 and December 31, 2023, prepaid expenses and other current assets consist of the following:Â (In thousands) Â September 30, 2024 Â Â December 31, 2023 Â Prepaid insurance Â $ 110 Â Â $ 873 Â Software Â Â 740 Â Â Â 1,028 Â Other prepaid expenses and assets Â Â 323 Â Â Â 422 Â Total prepaid expenses and other current assets Â $ 1,173 Â Â $ 2,323 Â Â Property and Equipment, NetÂ As of September 30, 2024 and December 31, 2023, property and equipment, net consist of the following:Â (In thousands) Â September 30, 2024 Â Â December 31, 2023 Â Robotics and manufacturing equipment Â $ 1,097 Â Â $ 1,841 Â Leasehold improvements Â Â 3,927 Â Â Â 4,458 Â Computer equipment Â Â 1,269 Â Â Â 1,729 Â Financed leased computer equipment Â Â 19 Â Â Â 19 Â Software Â Â 36 Â Â Â 44 Â Furniture and fixtures, and other fixed assets Â Â 1,003 Â Â Â 1,018 Â Property and equipment, gross Â Â 7,351 Â Â Â 9,109 Â Accumulated depreciation Â Â (2,941) Â Â (4,267)

Property and equipment, net Â $ 4,410 Â Â $ 4,842 Â Â Depreciation expenses were $0.2 million and $0.5 million, for the three months ended September 30, 2024 and 2023, respectively. Depreciation expenses were $0.6 million and $1.3 million, for the nine months ended September 30, 2024 and 2023, respectively.Â Accrued LiabilitiesÂ As of September 30, 2024 and December 31, 2023, accrued liabilities consist of the following:Â (In thousands) Â September 30, 2024 Â Â December 31, 2023 Â Payroll and related costs Â $ 2,733 Â Â $ 3,913 Â Contract restructuring accrual Â Â â€" Â Â Â 506 Â Legal services accrual Â Â 149 Â Â Â 547 Â Other accrued expenses and current liabilities Â Â 664 Â Â Â 839 Â Total accrued liabilities Â $ 3,546 Â Â $ 5,805 Â 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 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 24 R13.htm IDEA: XBRL DOCUMENT v3.24.3 Earn-Out Shares 9 Months Ended Sep. 30, 2024 Business Combination, Asset Acquisition, and Joint Venture Formation [Abstract] Â Earn-Out Shares 4. Earn-Out SharesOn September 24, 2021 (the â€œClosing Dateâ€), Rotor Acquisition Corp. (â€œRotorâ€), a Delaware corporation, consummated the previously announced business combination (the â€œBusiness Combinationâ€) pursuant to the terms of the Agreement and Plan of Merger, dated as of April 5, 2021 (the â€œOriginal Merger Agreementâ€), by and among Rotor, Rotor Merger Sub Corp., a Delaware corporation and a direct, wholly-owned subsidiary of Rotor (â€œMerger Subâ€), and Sarcos Corp., a Utah corporation (â€œOld Sarcosâ€), and Amendment No. 1 to the Agreement and Plan of Merger, dated as of August 28, 2021 (the â€œAmendmentâ€ and the Original Merger Agreement, as amended, the â€œMerger Agreementâ€), by and among Rotor, Merger Sub and Old Sarcos. Pursuant to the terms of the Merger Agreement, the Business Combination between Rotor and Old Sarcos was effected through the merger of Merger Sub with and into Old Sarcos, with Old Sarcos continuing as the surviving corporation (the â€œMergerâ€) and a wholly-owned subsidiary of Rotor. On the Closing Date, Rotor changed its name to Sarcos Technology and Robotics Corporation. To reflect the Companyâ€™s transition from a hardware-focused company to an AI software-focused company, in March 2024 the Company changed its name from Sarcos Technology and Robotics Corporation to Palladyne AI Corp.As a result of the Business Combination, each holder of Old Sarcos capital stock is entitled to Contingent Merger Consideration following the closing of the Business Combination in the form of earn-outs, up to an aggregate of 4,687,500 shares of Common Stock (the â€œEarn-Out Sharesâ€). The Earn-Out Shares will become payable as follows:â€¢2,343,750 shares of Common Stock of the Company in the aggregate if the closing share price of a share of Common Stock of the Company is equal to or exceeds $90.00 for 20 trading days in any 30 consecutive trading day period at any time during the period beginning on the first anniversary of the Closing Date and ending on the fourth anniversary of the Closing Date.â€¢2,343,750 shares of Common Stock of the Company if the closing share price of a share of Common Stock of the Company is equal to or exceeds $120.00 for 20 trading days in any 30 consecutive trading day period at any time during the period beginning on the first anniversary of the Closing Date and ending on the fifth anniversary of the Closing Date.Â The Earn-Out Shares are treated as equity-linked instruments as opposed to shares outstanding, and as such are not included in shares outstanding on the Companyâ€™s condensed consolidated balance sheets. As of September 30, 2024, there remained 4,687,500 Earn-Out Shares potentially issuable. X - DefinitionEarn-Out Shares. + ReferencesNo definition available. + Details Name: pdyn_EarnOutSharesTextBlock Namespace Prefix: pdyn_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_BusinessCombinationAndAssetAcquisitionAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 25 R14.htm IDEA: XBRL DOCUMENT v3.24.3 Warrants 9 Months Ended Sep. 30, 2024 Equity [Abstract] Â Warrants 5. WarrantsÂ On January 20, 2021, Rotor consummated the initial public offering (â€œIPOâ€) of 27,600,000 units (the â€œUnitsâ€), including the full exercise by the underwriters of their over-allotment option. Each Unit included one sixth of a share of Class A Common Stock and one half of one warrant (the â€œPublic Warrantsâ€). Simultaneously with the closing of the IPO, Rotor consummated the sale of 7,270,000 warrants (the â€œPrivate Placement Warrantsâ€) in a private placement to Rotor Sponsor LLC (the â€œSponsorâ€), an affiliate of Rotorâ€™s officers and directors, and certain funds and accounts managed by two qualified institutional buyers. At the Closing Date, Old Sarcos acquired the net liabilities from Rotor, including the Public Warrants, that were recorded as equity instruments, and the Private Placement Warrants, that were recorded as warrant liabilities (together the â€œWarrantsâ€). Each whole Warrant entitles the registered holder to purchase one sixth of a share of the Companyâ€™s Common Stock at a price of $11.50 per warrant, subject to adjustment as discussed below, at any time commencing on January 20, 2022, provided that the Company has an effective registration statement under the Securities Act of 1933, as amended (the â€œSecurities Actâ€) covering the shares of the Common Stock issuable upon exercise of the Warrants and a current prospectus relating to them is available (or the Company permits holders to exercise their Warrants on a cashless basis under the circumstances specified in the warrant agreement (the â€œWarrant Agreementâ€) entered into between Continental Stock Transfer & Trust Company and Rotor and such shares are registered, qualified or exempt from registration under the securities laws of the state of residence of the holder. Pursuant to the Warrant Agreement, a Warrant holder may exercise its Warrants only for a whole number of shares of the Companyâ€™s Common Stock. The Warrants will expire five years after the completion of the Business Combination, or September 24, 2026, at 5:00 p.m., New York City time, or earlier upon redemption or liquidation. As of September 30, 2024, there were 20,549,453 Warrants outstanding. The Company will not be obligated to deliver any Common Stock pursuant to the exercise of a Warrant and will have no obligation to settle such Warrant exercise unless a registration statement under the Securities Act with respect to the shares of Common Stock underlying the Warrants is then effective and a prospectus relating thereto is current, subject to the Company satisfying its obligations described below with respect to registration, or a valid exemption from registration is available. No Warrant will be exercisable, and the Company will not be obligated to issue a share of Common Stock upon exercise of a Warrant unless the share of the Companyâ€™s Common Stock issuable upon such Warrant exercise has been registered, qualified or deemed to be exempt under the securities laws of the state of residence of the registered holder of the Warrants. If the conditions in the two immediately preceding sentences are not satisfied with respect to a Warrant, the holder of such Warrant will not be entitled to exercise such Warrant and such Warrant may have no value and expire worthless. In no event will the Company be required to net cash settle any Warrant. In the event a registration statement is not effective for the exercised Warrants, the purchaser in the Rotor IPO of a Unit containing such Warrant will have paid the full purchase price for the Unit solely for the share of the Companyâ€™s Common Stock underlying such Unit. Except as described herein, the Private Placement Warrants have terms and provisions that are identical to those of the Public Warrants. If the Private Placement Warrants are held by holders other than the initial purchasers or their permitted transferees, the Private Placement Warrants will be redeemable by the Company in all redemption scenarios and exercisable by the holders on the same basis as the Public Warrants. The Private Placement Warrants will not be redeemable by the Company so long as they are held by the initial purchasers or their permitted transferees, subject to certain exceptions. The initial purchasers or their permitted transferees, have the option to exercise the Private Placement Warrants on a cashless basis. Redemption of Warrants When the Price per Share of the Companyâ€™s Common Stock Equals or Exceeds $108.00. Once the Warrants become exercisable, the Company may call the Warrants for redemption:â€¢in whole and not in part;â€¢at a price ofâ€‰$0.01 per Warrant;â€¢upon not less than 30 daysâ€™ prior written notice of redemption (the â€œ30-day redemption periodâ€) to each Warrant holder; andâ€¢if, and only if, the last reported sale price of the shares of the Companyâ€™s Common Stock for any 20 trading days within a 30-trading day period commencing after the Warrants become exercisable and ending three business days before the Company sends the notice of redemption to the Warrant holders (which is referred to as the â€œReference Valueâ€) equals or exceeds $108.00 per share (as adjusted for stock splits, stock dividends, reorganizations, recapitalizations and the like). If and when the Warrants become redeemable by the Company, the Company may exercise its redemption right even if it is unable to register or qualify the underlying securities for sale under all applicable state securities laws. However, the Company will not redeem the Warrants unless an effective registration statement under the Securities Act covering the shares of the Companyâ€™s Common Stock issuable upon exercise of the Warrants is effective and a current prospectus relating to those shares of the Companyâ€™s Common Stock is available throughout the 30-day redemption period. Redemption of Warrants When the Price per Share of Our Common Stock Equals or Exceeds $60.00. Once the Warrants become exercisable, the Company may redeem the outstanding Warrants (except as described herein with respect to the Private Placement Warrants if the Company does not utilize this redemption provision):â€¢in whole and not in part;â€¢at $0.10 per Warrant upon a minimum of 30 daysâ€™ prior written notice of redemption; provided that holders will be able to exercise their Warrants on a cashless basis prior to redemption and receive that number of shares determined by reference to an agreed table based on the redemption date and the â€œfair market valueâ€ of the Companyâ€™s Common Stock;â€¢if, and only if, the Reference Value (as defined above) equals or exceeds $60.00 per share (as adjusted for stock splits, stock dividends, reorganizations, recapitalizations and the like); andâ€¢if the Reference Value is less than $108.00 per share (as adjusted for stock splits, stock dividends, reorganizations, recapitalizations and the like) the Private Placement Warrants must also be concurrently called for redemption on the same terms (except as described above with respect to a holderâ€™s ability to cashless exercise its Warrants) as the outstanding Public Warrants, as described above. X - DefinitionThe entire disclosure for warrants issued in the Business Combination or upon conversion of such. + ReferencesNo definition available. + Details Name: pdyn_WarrantsTextBlock Namespace Prefix: pdyn_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_EquityAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 26 R15.htm IDEA: XBRL DOCUMENT v3.24.3 Stock-based Compensation 9 Months Ended Sep. 30, 2024 Share-Based Payment Arrangement [Abstract] Â Stock-based Compensation 6. Stock-based CompensationÂ 2021 Stock PlanÂ The 2021 Equity Incentive Plan (the â€œ2021 Planâ€) provides stock options, restricted stock units (â€œRSUsâ€), restricted stock awards (â€œRSAsâ€), stock appreciation rights (â€œSARSâ€) and performance awards for issuance to Company employees, officers, directors, non-employee agents and consultants. In general, outstanding awards granted under the 2021 Plan vest over one to four years and, in the case of options, are exercisable up to 10 years from the date of grant. The maximum number of shares of Common Stock that may be issued pursuant to the 2021 Plan is (i) 5.0 million shares of Common Stock of the Company plus (ii) any shares of Common Stock subject to stock options and other awards that were assumed in the Business Combination and expire or otherwise terminate without having been exercised in full, are tendered to or withheld by the Company for payment of an exercise price or for tax withholding obligations, or are forfeited to or repurchased by the Company due to failure to vest, with the maximum number of shares to be added to the 2021 Plan pursuant to clause (ii) equal to 2.1 million shares of Common Stock. As of September 30, 2024, 2.0 million shares were available to grant under the 2021 Plan. Â 2015 Stock Plan The 2015 Equity Incentive Plan (the â€œ2015 Planâ€) provided stock options, RSUs, RSAs, SARS and performance awards for issuance to Company employees, officers, directors, non-employee agents and consultants. Outstanding awards under the 2015 Plan generally vest over three to five years and are exercisable up to 10 years from the date of grant. Unvested options are forfeited upon termination. No further awards may be made under the 2015 Plan. Any forfeited awards will be added to the 2021 Plan as described above. Â 2024 Inducement Plan We have adopted the 2024 Inducement Equity Incentive Plan (the â€œInducement Planâ€) with an effective date of December 15, 2024, to reserve 500,000 shares of Common Stock to be used exclusively for grants of nonstatutory stock options, RSUs, RSAs, SARS and performance awards to individuals who were not previously employees or directors of the Company (or who are returning to employment following a bona fide period of non-employment), as an inducement material to the individualâ€™s entry into employment with the Company, pursuant to Nasdaq Listing Rule 5635(c)(4). The Inducement Plan was adopted and approved without stockholder approval pursuant to Nasdaq Listing Rule 5635(c)(4). As of December 15, 2024, 500,000 shares of Common Stock will be available to grant under the Inducement Plan. As of September 30, 2024, no stock-based compensation expense has been incurred in respect of the Inducement Plan. 2021 Employee Stock Purchase Plan The 2021 Employee Stock Purchase Plan (the â€œESPPâ€) provides for the issuance of shares of Common Stock pursuant to purchase rights granted to employees over designated offering periods, by funds accumulated primarily through elective payroll deductions. As of September 30, 2024, no offering periods have commenced and no shares have been issued under the ESPP. We will commence offerings under the ESPP beginning with the first offering to begin in December 2024. Offering periods are generally to be six months long and begin on June 1 and December 1 of each year. The purchase price for shares of Common Stock purchased under the ESPP is to be 85% of the lesser of the fair market value of the Common Stock on (i) the first trading day of the applicable offering period and (ii) the last trading day of the offering period. As of September 30, 2024, no stock-based compensation expense has been incurred in respect of the ESPP.Â Stock Option ActivityÂ The following summarizes the Companyâ€™s stock option activity for the nine months ended September 30, 2024: Â Â Options Outstanding Â Â Â Â Â Â Â Â Â Number of Shares Â Â Weighted Average Exercise Price Â Â Weighted-Average Remaining Contractual Term (in years) Â Â Aggregate Intrinsic Value (in thousands) Â Outstanding â€" December 31, 2023 Â Â 2,845,084 Â Â $ 9.82 Â Â Â 7.2 Â Â $ 91 Â Granted Â Â 555,000 Â Â 1.77 Â Â Â Â Â Â i»¿ Â Exercised Â Â (109,722) Â 0.22 Â Â Â Â Â Â 164 Â Cancelled Â Â (1,746,065) Â 11.22 Â Â Â Â Â Â i»¿ Â Outstanding â€" September 30, 2024 Â Â 1,544,297 Â Â $ 1.82 Â Â Â 7.5 Â Â $ 307 Â Exercisable â€" December 31, 2023 Â Â 1,250,104 Â Â $ 11.62 Â Â Â 5.0 Â Â $ 91 Â Exercisable â€" September 30, 2024 Â Â 511,120 Â Â $ 1.89 Â Â Â 4.8 Â Â $ 146 Â Option RepricingÂ On April 17, 2024, the Company amended certain options to purchase 773,551 shares of the Companyâ€™s Common Stock. All of the options subject to the amendments had exercise prices that exceeded the value of the Companyâ€™s Common Stock on the amendment date. Â One set of amendments, which were entered into with seven senior employees of the Company, applied to options to purchase an aggregate of 225,670 shares held by those seven senior employees. These amendments (1) re-started the vesting schedule of the amended options, including for options that had already vested and (2) reduced the per share exercise price of the options to $1.59 (the â€œNew Exercise Priceâ€), which is equal to the closing price of the Companyâ€™s Common Stock on April 17, 2024, the effective date of the amendments. No other terms of these options were modified. Â The other set of amendments applied to options to purchase an aggregate of 547,881 shares held by other eligible current employees and service providers of the Company with an exercise price per share greater than the New Exercise Price. These amendments reduced the per share exercise price of affected options to the New Exercise Price, which is equal to the closing price of the Companyâ€™s Common Stock on April 17, 2024, the effective date of the amendments. No other terms of such options were modified. Â The total incremental fair value to be recognized as a result of the amendments was $0.2 million. The incremental fair value attributable to the vested options of $0.1 million was recognized as stock-based compensation expense during the nine months ended September 30, 2024. The remaining incremental fair value attributable to the unvested option shares will be amortized over the remaining requisite service periods.Â Restricted Stock Units ActivityÂ The following summarizes the Companyâ€™s RSU activity for the nine months ended September 30, 2024:Â Â Restricted Stock Units Outstanding Â Â Number of Shares Â Â Weighted-Average Grant-Date Fair Value Â Outstanding â€" December 31, 2023 Â Â 1,180,115 Â Â $ 4.49 Â Granted Â Â 1,544,319 Â Â Â 1.00 Â Released Â Â (297,945) Â Â 3.79 Â Cancelled Â Â (700,797) Â 3.95 Â Outstanding â€" September 30, 2024 Â Â 1,725,692 Â Â $ 1.71 Â Â Â Restricted Stock Awards ActivityÂ The following summarizes the Companyâ€™s employee RSA activity for the nine months ended September 30, 2024:Â Â Restricted Stock Awards Outstanding Â Â Number of Shares Â Â Weighted-Average Grant-Date Fair Value Â Outstanding â€" December 31, 2023 ï»¿ Â â€" Â Â $ â€" Â Granted Â Â 625,000 Â Â $ 0.59 Â Outstanding â€" September 30, 2024 Â Â 625,000 Â Â $ 0.59 Â Â Stock-Based Compensation ExpenseÂ The Company recognized stock-based compensation expense in the condensed consolidated statement of operations and comprehensive loss as follows: Â Â For the three months ended September 30, Â Â For the nine months ended September 30, Â (In thousands) Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Cost of revenue Â $ 11 Â Â $ 32 Â Â $ 18 Â Â $ 70 Â Research and development Â Â 40 Â Â Â 323 Â Â Â 72 Â Â Â 910 Â Sales and marketing Â Â 209 Â Â Â 149 Â Â Â 493 Â Â Â 662 Â General and administrative Â Â 438 Â Â Â 1,175 Â Â Â 1,644 Â Â Â 4,771 Â Asset write-down and restructuring Â Â â€" Â Â Â 4,395 Â Â Â â€" Â Â Â 4,395 Â Total stock-based compensation expense Â $ 698 Â Â $ 6,074 Â Â $ 2,227 Â Â $ 10,808 Â Â As of September 30, 2024, there was approximately $4.8 million of unrecognized stock-based compensation cost, which is expected to be recognized over a weighted average period of 2.6 years. 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 27 R16.htm IDEA: XBRL DOCUMENT v3.24.3 Net Loss Per Share 9 Months Ended Sep. 30, 2024 Earnings Per Share [Abstract] Â Net Loss Per Share 7. Net Loss Per ShareÂ The following table sets forth the computation of the basic and diluted net loss per share attributable to common stockholders for the three and nine months ended September 30, 2024 and 2023: Â ï»¿ Â For the three months ended September 30, Â Â For the nine months ended September 30, Â (In thousands, except share and per share data) Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Numerator: Â ï»¿ Â Â ï»¿ Â Â ï»¿ Â Â ï»¿ Â Net loss Â $ (7,096) Â $ (28,981) Â $ (19,648) Â $ (79,117) Denominator: Â ï»¿ Â Â ï»¿ Â Â ï»¿ Â Â ï»¿ Â Weighted average shares outstanding, basic and diluted Â Â 26,177,413 Â Â Â 25,706,023 Â Â Â 26,018,708 Â Â Â 25,563,895 Â Basic and diluted net loss per share Â $ (0.27) Â $ (1.13) Â $ (0.76) Â $ (3.09) Anti-dilutive securities, excluded Â Â 12,007,398 Â Â Â 12,473,978 Â Â Â 12,007,398 Â Â Â 12,473,978 Â Â Basic and diluted net loss per share attributable to common stockholders is the same for the three and nine months ended September 30, 2024 and 2023, as the inclusion of potential shares of Common Stock would have been antiâ€'dilutive for the periods presented. 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 28 R17.htm IDEA: XBRL DOCUMENT v3.24.3 Income Taxes 9 Months Ended Sep. 30, 2024 Income Tax Disclosure [Abstract] Â Income Taxes 8. Income TaxesÂ To determine the Companyâ€™s quarterly provision for income taxes, the Company used an estimated annual effective tax rate that is based on expected annual income and statutory tax rates in the various jurisdictions in which the Company operates. Certain significant unusual or infrequently occurring items that are separately reported are separately recognized in the quarter during which they occur and can be a source of variability in the effective tax rate from quarter to quarter.Â The Company had no significant income tax expense for the three and nine months ended September 30, 2024 and 2023. The provision for income taxes for the three months ended September 30, 2024 and 2023 is based on the Companyâ€™s estimated annualized effective tax rate for the fiscal years ending December 31, 2024 and 2023, respectively. For the three and nine months ended September 30, 2024, the Companyâ€™s recognized effective tax rate differs from the U.S. federal statutory rate as the Company recorded net losses during the period with a corresponding full valuation allowance on the net deferred tax assets created from the losses. 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 29 R18.htm IDEA: XBRL DOCUMENT v3.24.3 Commitments and Contingencies 9 Months Ended Sep. 30, 2024 Commitments and Contingencies Disclosure [Abstract] Â Commitments and Contingencies 9. Commitments and ContingenciesÂ Legal ProceedingsÂ The Company has been and may in the future be involved in various claims, lawsuits, investigations and other proceedings in the normal course of business. The Company accrues a liability when management believes information available prior to the issuance of its financial statements indicates it is probable a loss has been incurred as of the date of the financial statements and the amount of loss can be reasonably estimated. The Company adjusts its accruals to reflect the impact of negotiation, settlements, rulings, advice of legal counsel and other information and events pertaining to a particular case. Legal costs are expensed as incurred. The Company has not recorded any material loss contingency related to legal proceedings in the balance sheets as of September 30, 2024 and December 31, 2023, respectively.Â IndemnificationsÂ In the ordinary course of business, the Company provides or may provide indemnifications of varying scope and terms to investors, directors, officers, employees, customers or vendors with respect to certain matters, including losses arising out of the Companyâ€™s breach of such agreements, services to be provided by the Company or from intellectual property infringement claims made by third parties. These indemnifications may survive termination of the underlying agreement and the maximum potential amount of future payments the Company could be required to make under these indemnification provisions may not be subject to maximum loss clauses. The maximum potential amount of future payments the Company could be required to make under these indemnification provisions is indeterminable. As of September 30, 2024 and December 31, 2023, the Company has not accrued a liability for these indemnification obligations as the likelihood of incurring a material payment obligation in connection with these indemnification obligations is either not probable or not reasonably estimable. 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 30 R19.htm IDEA: XBRL DOCUMENT v3.24.3 Segment Information 9 Months Ended Sep. 30, 2024 Segment Reporting [Abstract] Â Segment Information 10. Segment InformationÂ The Companyâ€™s Chief Executive Officer (â€œCEOâ€) is the Chief Operating Decision Maker (â€œCODMâ€). The CODM allocates resources and makes operating decisions based on financial information presented on a consolidated basis. The CODM does not evaluate profitability below the level of the consolidated company. Accordingly, the Company has determined that it has a single reportable segment and operating segment structure. The Companyâ€™s revenue is derived primarily from U.S. customers. The Company had $1.1 million and $2.0 million of revenue earned from customers located outside the United States during the three and nine months ended September 30, 2023, respectively. All long-lived assets are maintained in the United States. All losses are attributable to operations within the United States. X - ReferencesNo definition available. + Details Name: us-gaap_SegmentReportingAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for reporting segments including data and tables. Reportable segments include those that meet any of the following quantitative thresholds a) it's reported revenue, including sales to external customers and intersegment sales or transfers is 10 percent or more of the combined revenue, internal and external, of all operating segments b) the absolute amount of its reported profit or loss is 10 percent or more of the greater, in absolute amount of 1) the combined reported profit of all operating segments that did not report a loss or 2) the combined reported loss of all operating segments that did report a loss c) its assets are 10 percent or more of the combined assets of all operating segments. + 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 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/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/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 54 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-54Reference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 47 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-47Reference 8: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 54 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-54Reference 9: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 47 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-47Reference 10: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 54 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-54Reference 11: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 47 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-47Reference 12: 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 13: http://www.xbrl.org/2003/role/disclosureRef -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 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 34 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-34Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 26C -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-26CReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 26B -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-26BReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-15Reference 18: 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 19: 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 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/280/tableOfContentReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 26 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-26Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 41 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-41Reference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 21 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-21Reference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 21 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-21Reference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32 + Details Name: us-gaap_SegmentReportingDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 31 R20.htm IDEA: XBRL DOCUMENT v3.24.3 Subsequent Event 9 Months Ended Sep. 30, 2024 Subsequent Events [Abstract] Â Subsequent Event 11. Subsequent EventsÂ On October 31, 2024, the Company entered into a Securities Purchase Agreement with an accredited investor pursuant to which the Company agreed to (a) issue and sell 2,790,700 shares of Common Stock in a registered offering and (b) issue and sell warrants to purchase up to 2,790,700 shares of Common Stock in a private placement. Each share was sold with one common warrant at a combined purchase price of $2.15. Also on October 31, 2024, the Company entered into a separate Securities Purchase Agreement with the Companyâ€™s Chief Executive Officer and certain other members of the Board of Directors in which it agreed to issue and sell in a private placement (a) 430,105 shares of Common Stock at a price of $2.20 per share and (b) warrants to purchase up to 430,105 shares of Common stock at a price of $0.125 per warrant. The Company will receive approximately $7 million in gross proceeds from the Registered Offering and private placements combined. All warrants issued in conjunction with these offerings have an exercise price of $2.30 per share, will become exercisable six months from issuance and will expire five and one-half years from the date of issuance. The transactions closed on November 1, 2024. A.G.P. / Alliance Global Partners acted as the placement agent in connection with the Registered Offering and the private placements. A.G.P. was paid a commission of 7% on the gross proceeds received by the Company in the offerings for sales they arranged. The Company reimbursed A.G.P. $50,000 for certain fees and expenses, including legal fees, and paid a non-accountable

expense allowance of $10,000. 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 32 R21.htm IDEA: XBRL DOCUMENT v3.24.3 Basis of Presentation and Summary of Significant Accounting Policies (Policies) 9 Months Ended Sep. 30, 2024 Accounting Policies [Abstract] Â Description of the Business Description of the BusinessÂ Palladyne AI Corp. (the â€œCompanyâ€ or â€œPalladyne AIâ€) is a pioneer in the robotic systems industry. The Companyâ€™s mission is to deliver software to its customers that enhances the utility and functionality of third-party stationary and mobile robotic systems by enabling these systems to quickly observe, learn, reason and act in structured and unstructured environments. The Companyâ€™s full-stack, closed-loop autonomy software platform (â€œAI/ML Software Platformâ€) is being designed with artificial intelligence (â€œAIâ€) and machine learning (â€œMLâ€) technologies to enable robotic systems to perceive their environment and quickly adapt to changing circumstances by generalizing (i.e., learning) from their past experience using dynamic real-time operations â€œon the edgeâ€ (i.e., on the robotic system) without extensive programming and with minimal robot training. To reflect the Companyâ€™s transition from a hardware-focused company, in March 2024 the Company changed its name from Sarcos Technology and Robotics Corporation to Palladyne AI Corp. Basis of Presentation and Consolidation Basis of Presentation and Consolidationâ€‹The accompanying interim unaudited condensed consolidated financial statements have been prepared in accordance with accounting principles generally accepted in the United States (â€œGAAPâ€). The condensed consolidated financial statements as of September 30, 2024, are unaudited. The condensed consolidated balance sheet as of December 31, 2023, included herein was derived from the audited consolidated financial statements as of that date. Certain information and note disclosures normally included in annual financial statements prepared in accordance with GAAP have been condensed or omitted. As such, the information included herein should be read in conjunction with the consolidated financial statements and accompanying notes as of and for the year ended December 31, 2023, included in the Companyâ€™s Annual Report on Form 10-K, filed with the SEC on February 28, 2024. The condensed consolidated financial statements include the accounts of the Company and its wholly owned subsidiaries. All intercompany accounts and transactions have been eliminated in consolidation. The Companyâ€™s fiscal year begins on January 1 and ends on December 31. In the opinion of the Companyâ€™s management, the unaudited condensed consolidated financial statements include all adjustments necessary for fair financial statement presentation. All adjustments are of a normal recurring nature. Interim results are not necessarily indicative of the results to be expected for any subsequent quarter or for the fiscal year ending December 31, 2024. Reverse Stock Split Reverse Stock SplitÂ On July 5, 2023, the Company effected a 1-for-6 reverse stock split ("Reverse Stock Split") of the Company's outstanding shares of Common Stock, as approved by the Company's stockholders at the Companyâ€™s Annual Meeting of Stockholders held on June 14, 2023. All share and per share amounts of Common Stock, options, warrants, restricted stock and restricted stock units in the accompanying condensed consolidated financial statements and notes thereto have been retroactively adjusted for all periods presented to reflect the reverse stock split. Summary of Significant Accounting Policies and Use of Estimates Summary of Significant Accounting Policies and Use of EstimatesÂ There have been no changes to the Companyâ€™s significant accounting policies, and use of estimates and assumptions described in the annual consolidated financial statements for the year ended December 31, 2023, that have had a material impact on the Companyâ€™s condensed consolidated financial statements and related notes. Liquidity and Capital Resources Liquidity and Capital ResourcesÂ Cash, cash equivalents and marketable securities were $21.3 million as of September 30, 2024, compared to $39.1 million as of December 31, 2023. The Company has incurred losses and negative cash flows from operations since inception and is likely to continue to incur losses and negative cash flows from operations in the near term. As of September 30, 2024, the Company had an accumulated deficit of approximately $437.9 million and working capital of $19.8 million. Â These financial statements have been prepared in accordance with GAAP and on the basis that the Company will continue as a going concern, which contemplates the realization of assets and the satisfaction of liabilities and commitments in the normal course of business. The Companyâ€™s main source of liquidity has been cash generated by equity offerings. The Companyâ€™s primary use of cash is for operations and administrative activities including employee-related expenses, and general, operating and overhead expenses. Future capital requirements will depend on many factors, including the Companyâ€™s timing and extent of development efforts, the expansion and success of sales and marketing activities, customer growth rate, customer retention, the introduction of new and enhanced product offerings and market acceptance of the Companyâ€™s products. The Company believes it has sufficient financial resources for at least the next 12 months from the date of this Report. Revenue Recognition Revenue RecognitionÂ The Company recognizes revenue from the sale of its products and from the delivery of goods and services arising out of its contractual arrangements to provide product development contract services that are funded by the customer. The Company recognizes revenue when promised goods or services are transferred to customers in an amount that reflects the consideration to which the Company expects to be entitled in exchange for those goods or services by following a five-step process: (1)Identify the contract with a customer: A contract with a customer exists when (i) the Company enters into an enforceable contract with a customer that defines each partyâ€™s rights and obligations regarding the products and services to be transferred and identifies the payment terms related to these products and services, (ii) the contract has commercial substance and (iii) the Company determines that collection of substantially all consideration for products and services that are transferred is probable based on the customerâ€™s intent and ability to pay the promised consideration. Contract modifications may include changes in scope of work, and/or the period of completion of the project. The Company analyzes contract modifications to determine if they should be accounted for as a modification to an existing contract or a new stand-alone contract.Â (2)Identify the performance obligations in the contract: The Company enters into contracts that can include combinations of products and services, which are either capable of being distinct and accounted for as separate performance obligations or as one performance obligation if the majority of tasks and services form a single project or capability. Determining whether products or services are considered distinct performance obligations that should be accounted for separately may require significant judgment.Â (3)Determine the transaction price: The transaction price is determined based on the consideration to which the Company will be entitled in exchange for transferring goods or services to the customer. Such amounts are typically stated in the customer contract. However, to the extent that the Company identifies variable consideration, the Company will estimate the variable consideration at the onset of the arrangement as long as it is probable that a significant reversal in the amount of cumulative revenue recognized will not occur when the uncertainty associated with the variable consideration is subsequently resolved. The Companyâ€™s current contracts do not include any significant financing components because the timing of the transfer of the underlying products and services under contract are at the customer's discretion. Additionally, the Company does not adjust the promised amount of consideration for the effects of a significant financing component if the Company expects, at contract inception, that the period between when the Company transfers a promised good or service to a customer and when the customer pays for that good or service will be one year or less. Taxes collected from customers and remitted to governmental authorities are not included in revenue. Â (4)Allocate the transaction price to performance obligations in the contract: Once the Company has determined the transaction price, the total transaction price is allocated to each performance obligation in a manner depicting the amount of consideration to which the Company expects to be entitled in exchange for transferring the good(s) or service(s) to the customer. If applicable, the Company allocates the transaction price to each performance obligation identified in the contract on a relative standalone selling price basis. The standalone selling price represents the amount the Company would sell the good(s) or service(s) to a customer on a standalone basis. For government contracts, the Company uses expected cost plus a margin as the standalone selling price. Because the Company's contract pricing with government customers is generally based on expected cost plus a margin, the standalone selling price of the good(s) or service(s) in the Company's contracts with government customers are typically equal to the selling price stated in the contract. When we sell standard good(s) or service(s) with observable standalone sale transactions, the observable standalone sales transactions are used to determine the standalone selling price.Â (5)Recognize revenue when or as the Company satisfies a performance obligation: For each performance obligation identified, the Company determines at contract inception whether it satisfies the performance obligation over time or at a point in time. For performance obligations satisfied over time, revenue is recognized as work progresses when the Company is entitled to the reimbursement of costs plus a reasonable profit for work performed for which the Company has no alternate use. For these performance obligations, the Company generally recognizes revenue using an input method with revenue amounts being recognized proportionately as costs are incurred relative to the total expected costs to satisfy the performance obligation. The Company believes that costs incurred as a portion of total estimated costs is an appropriate measure of progress towards satisfaction of the performance obligation since this measure reasonably depicts the progress of the work effort. Revenue for performance obligations that are not recognized over time are recognized at the point in time when control transfers to the customer (which is generally upon delivery). For performance obligations that are satisfied at a point in time, the Company evaluates the point in time when the customer can direct the use of, and obtain the benefits from, the products and services. Shipping and handling costs are recorded at the time of product shipment to the customer and are included within revenue.Â Revenue from Contracts with CustomersÂ The Company derives its revenue from two sources. First, the Company enters into research and development agreements primarily relating to the commercialization of the Companyâ€™s products. Second, the Company sells its products and related parts and repair services. Product development contract revenue includes revenue arising from different types of contractual arrangements, including cost-type contracts and fixed-price contracts. Product revenue primarily consists of sales of the Companyâ€™s products. Product Development Contract Revenue Cost-type contracts â€“ Research, development and/or testing service contracts, including cost-plus-fixed-fee and time and material contracts, relate primarily to the development of the Company's products and related technology. Cost-type contracts are generally entered into with the U.S. government. These contracts are billed at cost plus a margin as defined by the contract and the Federal Acquisition Regulation (â€œFARâ€). The FAR establishes regulations around procurement by the government and provides guidance on the types of costs that are allowable in establishing prices for goods and services delivered under government contracts. Revenue on cost-type contracts is recognized over time as goods and services are provided. Fixed-price contracts â€“ Fixed-price development contracts relate primarily to the development of technology in the area of robotic platforms. Fixed-price development contracts generally require a significant service of integrating a complex set of tasks and components into a single deliverable. Revenue on fixed-price contracts is generally recognized over time as goods and services are provided. To the extent the Companyâ€™s actual costs vary from the fixed fee, we will generate more or less profit or could incur a loss. The Company will recognize losses at the contract level in earnings in the period in which they are incurred.Â Product Revenue Product revenue relates to sales of the Companyâ€™s legacy commercially available products, and certain miscellaneous parts, accessories and repair services. The Company provides a limited one-year warranty on certain product sales. Product warranties are considered assurance-type warranties and are not considered to be separate performance obligations. Product revenue is recognized at the point in time when ownership of the goods is transferred, generally at the time of shipment to the customer. At the time product revenue is recognized, an accrual is established for estimated warranty expenses based on historical experience as well as anticipated product performance. Revenue recognized for Product Development Contract Revenue and Product Revenue for the three and nine months ended September 30, 2024 and 2023, were as follows:Â Â For the three months ended September 30, Â Â For the nine months ended September 30, Â (In thousands) Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Product Development Contract Revenue Â $ 764 Â Â $ 1,044 Â Â $ 4,359 Â Â $ 4,614 Â Product Revenue Â Â 107 Â Â Â 783 Â Â Â 2,666 Â Â Â 786 Â Revenue, net Â $ 871 Â Â $ 1,827 Â Â $ 7,025 Â Â $ 5,400 Â Â Contract Balances Â The timing of revenue recognition, billing and cash collection results in the recognition of accounts receivable, unbilled receivables, contract assets and deferred revenue in the Companyâ€™s condensed consolidated balance sheets.Â Cash funds received in excess of revenue recognized that is contingent upon the satisfaction of performance obligations is accounted for as deferred revenue. Contract assets include unbilled receivables which are amounts resulting from timing differences between revenue recognition and billing in accordance with agreed-upon contractual terms, which typically occur subsequent to revenue being recognized. The opening and closing balances of our accounts receivable, unbilled receivables, contract assets and deferred revenue as of September 30, 2024 and December 31, 2023, are as follows:Â (In thousands) Â Accounts receivable Â Â Unbilled receivable Â Â Contract assets(current) Â Â Contract assets(long-term) Â Â Deferred revenue(current) Â Ending Balance as of December 31, 2023 Â $ 555 Â Â $ 2,034 Â Â $ 50 Â Â $ 1 Â Â $ 75 Â Increase/(decrease), net Â Â 63 Â Â Â (455) Â Â (24) Â Â (1) Â Â (75) Ending Balance as of September 30, 2024 Â $ 618 Â Â $ 1,579 Â Â $ 26 Â Â $ â€” Â Â $ â€” Â Â The Company recorded its current contract assets, long-term contract assets and current deferred revenue within prepaid expenses and other current assets, other non-current assets and accrued liabilities, respectively. During the three and nine months ended September 30, 2024, the Company recognized all of the deferred revenue which existed at December 31, 2023. There was no deferred revenue as of December 31, 2022.Â Remaining Performance ObligationsÂ As of September 30, 2024, the Company had backlog, or revenue related to remaining performance obligations, of $3.7 million. The Company expects most of this backlog to be recognized over the next 12 months. The Companyâ€™s backlog represents the expected value of exercised contracts, both funded and unfunded, less revenue recognized to date. Recently Issued Accounting Standard Pronouncements Recently Issued Accounting Standard Pronouncements Â As an emerging growth company (â€œEGCâ€), the Jumpstart Our Business Startups Act (â€œJOBS Actâ€) allows the Company to delay adoption of new or revised accounting pronouncements applicable to public companies until such pronouncements are applicable to private companies. The Company has elected to use this extended transition period under the JOBS Act until such time as the Company is no longer considered to be an EGC. The adoption dates discussed below reflect this election. In November 2023, the Financial Accounting Standards Board (â€œFASBâ€) issued ASU No. 2023-07 (â€œASU 2023-07â€), Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures, which requires enhanced disclosure of significant segment expenses on an annual and interim basis. ASU 2023-07 is effective for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 31, 2024, on a retrospective basis. Early adoption is permitted. The Company is currently evaluating the impact of this accounting standard update on its consolidated financial statements and related disclosures.Â In December 2023, the FASB issued ASU No. 2023-09 (â€œASU 2023-09â€), Income Taxes (Topic 740): Improvements to Income Tax Disclosures. ASU 2023-09 requires companies to disclose, on an annual basis, specific categories in the effective tax rate reconciliation and provide additional information for reconciling items that meet a quantitative threshold. In addition, ASU 2023-09 requires companies to disclose additional information about income taxes paid. ASU 2023-09 will be effective for annual periods beginning January 1, 2026 and will be applied on a prospective basis with the option to apply the standard retrospectively. The Company does not expect a material impact on its consolidated financial statements related to ASU 2023-09. X - DefinitionBasis of presentation and consolidation policy . + ReferencesNo definition available. + Details Name: pdyn_BasisOfPresentationAndConsolidationPolicy Namespace Prefix: pdyn_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDescription of the business. + ReferencesNo definition available. + Details Name: pdyn_DescriptionOfTheBusinessPolicyTextBlock Namespace Prefix: pdyn_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionLiquidity and capital resources policy. + ReferencesNo definition available. + Details Name: pdyn_LiquidityAndCapitalResourcesPolicyTextBlock Namespace Prefix: pdyn_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionReverse Stock Split Policy + ReferencesNo definition available. + Details Name: pdyn_ReverseStockSplitPolicyPolicyTextBlock Namespace Prefix: pdyn_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionSignificant accounting policies and use of estimates. + ReferencesNo definition available. + Details Name: pdyn_SignificantAccountingPoliciesAndUseOfEstimatesPolicyTextBlock Namespace Prefix: pdyn_ 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 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 revenue. Includes revenue from contract with customer and from other sources. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(1)) -Publisher FASB -

URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483426/235-10-50-4Reference 3: http://www.xbrl.org/2003/role/exampleRef -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (e) -SubTopic 10 -Topic 235 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483426/235-10-50-4 + Details Name: us-gaap_RevenueRecognitionPolicyTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 33 R22.htm IDEA: XBRL DOCUMENT v3.24.3 Basis of Presentation and Summary of Significant Accounting Policies (Tables) 9 Months Ended Sep. 30, 2024 Accounting Policies [Abstract] Â Summary of the Total Amount of Revenue for Each Such Customer Revenue recognized for Product Development Contract Revenue and Product Revenue for the three and nine months ended September 30, 2024 and 2023, were as follows:Â Â For the three months ended September 30, Â Â For the nine months ended September 30, Â (In thousands) Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Product Development Contract Revenue Â $ 764 Â Â $ 1,044 Â Â $ 4,359 Â Â $ 4,614 Â Product Revenue Â Â 107 Â Â Â 783 Â Â Â 2,666 Â Â Â 786 Â Revenue, net Â $ 871 Â Â $ 1,827 Â Â $ 7,025 Â Â $ 5,400 Â Summary of Opening and Closing Balances of Our Accounts Receivable, Unbilled Receivables, Contract Assets and Deferred Revenue The opening and closing balances of our accounts receivable, unbilled receivables, contract assets and deferred revenue as of September 30, 2024 and December 31, 2023, are as follows:Â (In thousands) Â Accounts receivable Â Â Unbilled receivable Â Â Contract assets(current) Â Â Contract assets(long-term) Â Â Deferred revenue(current) Â Ending Balance as of December 31, 2023 Â $ 555 Â Â $ 2,034 Â Â $ 50 Â Â $ 1 Â Â $ 75 Â Increase/(decrease), net Â Â 63 Â Â Â (455) Â Â (24) Â Â (1) Â Â (75) Ending Balance as of September 30, 2024 Â $ 618 Â Â $ 1,579 Â Â $ 26 Â Â $ â€” Â Â $ â€” Â 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 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 - DefinitionTabular disclosure of disaggregation of revenue into categories depicting how nature, amount, timing, and uncertainty of revenue and cash flows are affected by economic factor. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-5 + Details Name: us-gaap_DisaggregationOfRevenueTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 34 R23.htm IDEA: XBRL DOCUMENT v3.24.3 Fair Value Measurements (Tables) 9 Months Ended Sep. 30, 2024 Fair Value Disclosures [Abstract] Â Schedule of Assets and Liabilities Measured At Fair Value On Recurring Basis The fair value of the Companyâ€™s financial assets and liabilities measured at fair value on a recurring basis was determined using the following inputs as of September 30, 2024 and December 31, 2023:Â Â As of September 30, 2024 Â (In thousands) Â Level 1 Â Â Level 2 Â Â Level 3 Â Â Total Â Assets: Â Â Â Â Â Â Â Â Â Â Â Cash equivalents: Â Â Â Â Â Â Â Â Â Â Â U.S. Treasury securities Â $ 3,000 Â Â $ â€” Â Â $ â€” Â Â $ 3,000 Â Total assets Â $ 3,000 Â Â $ â€” Â Â $ â€” Â Â $ 3,000 Â Â Â Â Â Â Â Â Â Â Â Liabilities: Â Â Â Â Â Â Â Â Â Â Â Warrant liability Â $ â€” Â Â $ 204 Â Â $ â€” Â Â $ 204 Â Total liabilities Â $ â€” Â Â $ 204 Â Â $ â€” Â Â $ 204 Â ï»¿ Â As of December 31, 2023 Â (In thousands) Â Level 1 Â Â Level 2 Â Â Level 3 Â Â Total Â Assets: Â Â Â Â Â Â Â Â Â Â Â Cash equivalents: Â Â Â Â Â Â Â Â Â Â Â U.S. Treasury securities Â $ 4,973 Â Â $ â€” Â Â $ â€” Â Â $ 4,973 Â Marketable securities: Â Â Â Â Â Â Â Â Â Â Â U.S. treasury securities Â Â 15,947 Â Â Â â€” Â Â Â â€” Â Â Â 15,947 Â Total assets Â $ 20,920 Â Â $ â€” Â Â $ â€” Â Â $ 20,920 Â Â Â Â Â Â Â Â Â Â Â Liabilities: Â Â Â Â Â Â Â Â Â Â Â Warrant liability Â $ â€” Â Â $ 29 Â Â $ â€” Â Â $ 29 Â Total liabilities Â $ â€” Â Â $ 29 Â Â $ â€” Â Â $ 29 Â 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 assets and liabilities, including [financial] instruments measured at fair value that are classified in stockholders' equity, if any, that are measured at fair value on a recurring basis. The disclosures contemplated herein include the fair value measurements at the reporting date by the level within the fair value hierarchy in which the fair value measurements in their entirety fall, segregating fair value measurements using quoted prices in active markets for identical assets (Level 1), significant other observable inputs (Level 2), and significant unobservable inputs (Level 3). + 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_ScheduleOfFairValueAssetsAndLiabilitiesMeasuredOnRecurringBasisTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 35 R24.htm IDEA: XBRL DOCUMENT v3.24.3 Balance Sheet Components (Tables) 9 Months Ended Sep. 30, 2024 Organization, Consolidation and Presentation of Financial Statements [Abstract] Â Inventories, Net Inventories, NetÂ As of September 30, 2024 and December 31, 2023, inventories, net consisted of the following:Â (In thousands) Â September 30, 2024 Â Â December 31, 2023 Â Finished goods, net Â $ â€” Â Â $ 1,065 Â Total inventories Â $ â€” Â Â $ 1,065 Â Prepaid Expenses and Other Current Assets Prepaid Expenses and Other Current AssetsÂ As of September 30, 2024 and December 31, 2023, prepaid expenses and other current assets consist of the following:Â (In thousands) Â September 30, 2024 Â Â December 31, 2023 Â Prepaid insurance Â $ 110 Â Â $ 873 Â Software Â Â 740 Â Â Â 1,028 Â Other prepaid expenses and assets Â Â 323 Â Â Â 422 Â Total prepaid expenses and other current assets Â $ 1,173 Â Â $ 2,323 Â Property and Equipment, Net Property and Equipment, NetÂ As of September 30, 2024 and December 31, 2023, property and equipment, net consist of the following:Â (In thousands) Â September 30, 2024 Â Â December 31, 2023 Â Robotics and manufacturing equipment Â $ 1,097 Â Â $ 1,841 Â Leasehold improvements Â Â 3,927 Â Â Â 4,458 Â Computer equipment Â Â 1,269 Â Â Â 1,729 Â Financed leased computer equipment Â Â 19 Â Â Â 19 Â Software Â Â 36 Â Â Â 44 Â Furniture and fixtures, and other fixed assets Â Â 1,003 Â Â Â 1,018 Â Property and equipment, gross Â Â 7,351 Â Â Â 9,109 Â Accumulated depreciation Â Â (2,941) Â Â (4,267) Property and equipment, net Â $ 4,410 Â Â $ 4,842 Â Accrued Liabilities Accrued LiabilitiesÂ As of September 30, 2024 and December 31, 2023, accrued liabilities consist of the following:Â (In thousands) Â September 30, 2024 Â Â December 31, 2023 Â Payroll and related costs Â $ 2,733 Â Â $ 3,913 Â Contract restructuring accrual Â Â â€” Â Â Â 506 Â Legal services accrual Â Â 149 Â Â Â 547 Â Other accrued expenses and current liabilities Â Â 664 Â Â Â 839 Â Total accrued liabilities Â $ 3,546 Â Â $ 5,805 Â X - ReferencesNo definition available. + Details Name: us-gaap_OrganizationConsolidationAndPresentationOfFinancialStatementsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType 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 components of accrued liabilities. + ReferencesNo definition available. + Details Name: us-gaap_ScheduleOfAccruedLiabilitiesTableTextBlock 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 X - DefinitionTabular disclosure of the carrying amounts of other current assets. + ReferencesNo definition available. + Details Name: us-gaap_ScheduleOfOtherCurrentAssetsTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 36 R25.htm IDEA: XBRL DOCUMENT v3.24.3 Stock-based Compensation (Tables) 9 Months Ended Sep. 30, 2024 Share-Based Payment Arrangement [Abstract] Â Schedule of Stock Options Activity The following summarizes the Companyâ€™s stock option activity for the nine months ended September 30, 2024: Â Â Options Outstanding Â Â Â Â Â Â Â Â Â Number of Shares Â Â Weighted Average Exercise Price Â Â Weighted-Average Remaining Contractual Term (in years) Â Â Aggregate Intrinsic Value (in thousands) Â Outstanding â€” December 31, 2023 Â Â 2,845,084 Â Â $ 9.82 Â Â Â 7.2 Â Â $ 91 Â Granted Â Â 555,000 Â Â 1.77 Â Â Â Â Â ï»¿ Â Exercised Â Â (109,722) Â 0.22 Â Â Â Â Â 164 Â Cancelled Â Â (1,746,065) Â 11.22 Â Â Â Â Â ï»¿ Â Outstanding â€” September 30, 2024 Â Â 1,544,297 Â Â $ 1.82 Â Â Â 7.5 Â Â $ 307 Â Exercisable â€” December 31, 2023 Â Â 1,250,104 Â Â $ 11.62 Â Â Â 5.0 Â Â $ 91 Â Exercisable â€” September 30, 2024 Â Â 511,120 Â Â $ 1.89 Â Â Â 4.8 Â Â $ 146 Â Summary of RSU and RSA Activity The following summarizes the Companyâ€™s RSU activity for the nine months ended September 30, 2024:Â Â Restricted Stock Units Outstanding Â Â Number of Shares Â Â Weighted-Average Grant-Date Fair Value Â Outstanding â€” December 31, 2023 Â Â 1,180,115 Â Â $ 4.49 Â Granted Â Â 1,544,319 Â Â Â 1.00 Â Released Â Â (297,945) Â Â 3.79 Â Cancelled Â Â (700,797) Â 3.95 Â Outstanding â€” September 30, 2024 Â Â 1,725,692 Â Â $ 1.71 Â The following summarizes the Companyâ€™s employee RSA activity for the nine months ended September 30, 2024:Â Â Restricted Stock Awards Outstanding Â Â Number of Shares Â Â Weighted-Average Grant-Date Fair Value Â Outstanding â€” December 31, 2023 ï»¿ Â â€” Â Â $ â€” Â Granted Â Â 625,000 Â Â $ 0.59 Â Outstanding â€” September 30, 2024 Â Â 625,000 Â Â $ 0.59 Â Schedule of Stock Based Compensation Expense The Company recognized stock-based compensation expense in the condensed consolidated statement of operations and comprehensive loss as follows: Â Â For the three months ended September 30, Â Â For the nine months ended September 30, Â (In thousands) Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Cost of revenue Â $ 11 Â Â $ 32 Â Â $ 18 Â Â $ 70 Â Research and development Â Â 40 Â Â Â 323 Â Â Â 72 Â Â Â 910 Â Sales and marketing Â Â 209 Â Â Â 149 Â Â Â 493 Â Â Â 662 Â General and administrative Â Â 438 Â Â Â 1,175 Â Â Â 1,644 Â Â Â 4,771 Â Asset write-down and restructuring Â Â â€” Â Â Â 4,395 Â Â Â â€” Â Â Â 4,395 Â Total stock-based compensation expense Â $ 698 Â Â $ 6,074 Â Â $ 2,227 Â Â $ 10,808 Â 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 number and weighted-average grant date fair value for restricted stock units that were outstanding at the beginning and end of the year, and the number of restricted stock units that were granted, vested, or forfeited during the year. + 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/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ScheduleOfShareBasedCompensationRestrictedStockUnitsAwardActivityTableTextBlock 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 XML 37 R26.htm IDEA: XBRL DOCUMENT v3.24.3 Net Loss Per Share (Tables) 9 Months Ended Sep. 30, 2024 Earnings Per Share [Abstract] Â Schedule of Basic and Diluted Net Loss Per Share The following table sets forth the computation of the basic and diluted net loss per share attributable to common stockholders for the three and nine months ended September 30, 2024 and 2023: Â ï»¿ Â For the three months ended September 30, Â Â For the nine months ended September 30, Â (In thousands, except share and per share data) Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Numerator: Â ï»¿ Â Â ï»¿ Â Â ï»¿ Â Â ï»¿ Â Net loss Â $ (7,096) Â $ (28,981) Â $ (19,648) Â $ (79,117) Denominator: Â ï»¿ Â Â ï»¿ Â Â ï»¿ Â Â ï»¿ Â Weighted average shares outstanding, basic and diluted Â Â 26,177,413 Â Â Â 25,706,023 Â Â Â 26,018,708 Â Â Â 25,563,895 Â Basic and diluted net loss per share Â $ (0.27) Â $ (1.13) Â $ (0.76) Â $ (3.09) Anti-dilutive securities, excluded Â Â 12,007,398 Â Â Â 12,473,978 Â Â Â 12,007,398 Â Â Â 12,473,978 Â 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 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 38 R27.htm IDEA: XBRL DOCUMENT v3.24.3 Basis of Presentation and Summary of Significant Accounting Policies - Additional Information (Details) $ in Thousands 12 Months Ended Jul. 05, 2023 Dec. 31, 2022 USD ($) Sep. 30, 2024 USD ($) Dec. 31, 2023 USD ($) Summaryof Significant Accounting Policies Details [Line Items] Â Â Â Â Reverse stock split 1-for-6 reverse stock split Â Â Â Reverse stock split, ratio 0.00167 Â Â Â Cash, cash equivalents and marketable securities Â Â $ 21,300 $ 39,100 Accumulated deficit Â Â (437,900) Â Working capital Â Â 19,800 Â Revenue, Remaining Performance Obligation, Amount Â Â $ 3,700 Â Deferred revenue, revenue recognized Â $ 0 Â Â X - DefinitionCash, cash equivalents and marketable securities. + ReferencesNo definition available. + Details Name: pdyn_CashCashEquivalentsAndMarketableSecurities Namespace Prefix: pdyn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionRetained earning (accumlated deficit). + ReferencesNo definition available. + Details Name: pdyn_RetainedEarningAccumlatedDeficit Namespace Prefix: pdyn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionSummary of Significant Accounting Policies (Details) [Line Items] + ReferencesNo definition available. + Details Name: pdyn_SummaryofSignificantAccountingPoliciesDetailsLineItems Namespace Prefix: pdyn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionWorking capital + ReferencesNo definition available. + Details Name: pdyn_WorkingCapital Namespace Prefix: pdyn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of revenue recognized that was previously reported as deferred or unearned revenue. + ReferencesNo definition available. + Details Name: us-gaap_DeferredRevenueRevenueRecognized1 Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit 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 X - DefinitionRatio applied to the

conversion of stock split, for example but not limited to, one share converted to two or two shares converted to one. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 4 -Subparagraph (SAB Topic 4.C) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-4 + Details Name: us-gaap_StockholdersEquityNoteStockSplitConversionRatio1 Namespace Prefix: us-gaap_ Data Type: xbrli:pureItemType Balance Type: na Period Type: duration X - DefinitionDescription of the reverse stock split arrangement. Also provide the retroactive effect given by the reverse split that occurs after the balance sheet date but before the release of financial statements. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 4 -Subparagraph (SAB Topic 4.C) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-4 + Details Name: us-gaap_StockholdersEquityReverseStockSplit Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 39 R28.htm IDEA: XBRL DOCUMENT v3.24.3 Basis of Presentation and Summary of Significant Accounting Policies - Additional Information (Details 1) Sep. 30, 2024 Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date: 2024-07-01 Â Summaryof Significant Accounting Policies Details [Line Items] Â Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Period 1 year X - DefinitionSummary of Significant Accounting Policies (Details) [Line Items] + ReferencesNo definition available. + Details Name: pdyn_SummaryofSignificantAccountingPoliciesDetailsLineItems Namespace Prefix: pdyn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionPeriod in which remaining performance obligation is expected to be recognized as revenue, 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 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (b)(1) -SubTopic 10 -Topic 606 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-13 + Details Name: us-gaap_RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionPeriod1 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: instant X - Details Name: us-gaap_RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionStartDateAxis=2024-07-01 Namespace Prefix: Data Type: na Balance Type: Period Type: XML 40 R29.htm IDEA: XBRL DOCUMENT v3.24.3 Basis of Presentation and Summary of Significant Accounting Policies - Summary of Disaggregation of Revenue (Details) - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Summaryof Significant Accounting Policies Details [Line Items] Â Â Â Â Â Revenue, net $ 871 $ 1,827 $ 7,025 $ 5,400 Product Development Contract Revenue Â Â Â Â Â Summaryof Significant Accounting Policies Details [Line Items] Â Â Â Â Â Revenue, net 764 1,044 4,359 4,614 Product Revenue Â Â Â Â Â Summaryof Significant Accounting Policies Details [Line Items] Â Â Â Â Â Revenue, net $ 107 $ 783 $ 2,666 $ 786 X - DefinitionSummary of Significant Accounting Policies (Details) [Line Items] + ReferencesNo definition available. + Details Name: pdyn_SummaryofSignificantAccountingPoliciesDetailsLineItems Namespace Prefix: pdyn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of revenue recognized from goods sold, services rendered, insurance premiums, or other activities that constitute an earning process. Includes, but is not limited to, investment and interest income before deduction of interest expense when recognized as a component of revenue, and sales and trading gain (loss). + 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 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 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 (b) -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 (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 7: 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 8: 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 9: 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 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/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 21: 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 22: 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 23: 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 24: 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 25: 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 26: http://www.xbrl.org/2003/role/disclosureRef -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-S99-2 + Details Name: us-gaap_Revenues Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - Details Name: srt_ProductOrServiceAxis=pdyn_ProductDevelopmentContractRevenueMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=pdyn_ProductRevenueMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 41 R30.htm IDEA: XBRL DOCUMENT v3.24.3 Basis of Presentation and Summary of Significant Accounting Policies - Summary of Information about Contract Balances (Details) $ in Thousands 9 Months Ended Sep. 30, 2024 USD ($) Accounts receivable Â Opening Balance $ 555 Increase/(decrease), net 63 Ending Balance 618 Unbilled receivable Â Opening Balance 2,034 Increase/(decrease), net (455) Ending Balance 1,579 Contract assets (current) Â Opening Balance 50 Increase/(decrease), net (24) Ending Balance 26 Contract assets (long-term) Â Opening Balance 1 Increase/(decrease), net (1) Ending Balance 0 Deferred revenue (current) Â Opening Balance 75 Increase/(decrease), net (75) Ending Balance $ 0 X - DefinitionIncreas decrease in contract assets (long-term). + ReferencesNo definition available. + Details Name: pdyn_IncreasDecreaseInContractAssetsLongTerm Namespace Prefix: pdyn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionIncrease (decrease) in accounts receivable inclusive of accounts receivable acquired in business combination. + ReferencesNo definition available. + Details Name: pdyn_IncreaseDecreaseInAccountsReceivableInclusiveOfAccountsReceivableAcquiredInBusinessCombination Namespace Prefix: pdyn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionIncrease Decrease in Contract Assets Current. + ReferencesNo definition available. + Details Name: pdyn_IncreaseDecreaseInContractAssetsCurrent Namespace Prefix: pdyn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionIncrease (decrease), unbilled receivable. + ReferencesNo definition available. + Details Name: pdyn_IncreaseDecreaseUnbilledReceivable Namespace Prefix: pdyn_ Data Type: xbrli:monetaryItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_ContractReceivablesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration 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, classified as current. + 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_ContractWithCustomerAssetNetCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_ContractWithCustomerAssetNetCurrentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration 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, classified as noncurrent. + 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_ContractWithCustomerAssetNetNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_ContractWithCustomerAssetNetNoncurrentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration 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 - DefinitionAmount, after allowance for credit loss, of right to consideration in exchange for good or service transferred to customer when right to consideration is unconditional, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-4Reference 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_ContractWithCustomerReceivableAfterAllowanceForCreditLossCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_ContractWithCustomerReceivableAfterAllowanceForCreditLossCurrentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_DeferredRevenueAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of increase (decrease) in deferred income and obligation to transfer product and service to customer for which consideration has been received or is receivable. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -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_IncreaseDecreaseInDeferredRevenue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionUnbilled amounts due for services rendered or to be rendered, actions taken or to be taken, or a promise to refrain from taking certain actions in accordance with the terms of a legally binding agreement between the entity and, at a minimum, one other party. An example would be amounts associated with contracts or programs where the recognized revenue for performance thereunder exceeds the amounts billed under the terms thereof as of the date of the balance sheet. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 912 -SubTopic 310 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478345/912-310-45-2 + Details Name: us-gaap_UnbilledContractsReceivable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 42 R31.htm IDEA: XBRL DOCUMENT v3.24.3 Fair Value Measurements - Schedule of Assets and Liabilities Measured At Fair Value On Recurring Basis (Details) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Assets: Â Â Total assets $ 3,000 $ 20,920 Liabilities: Â Â Total liabilities 204 29 U.S. Treasury securities Â Â Assets: Â Â Cash equivalents 3,000 4,973 Marketable securities Â 15,947 Warrant Liability Â Â Liabilities: Â Â Total liabilities 204 29 Fair Value, Inputs, Level 1 Â Â Assets: Â Â Total assets 3,000 20,920 Fair Value, Inputs, Level 1 | U.S. Treasury securities Â Â Assets: Â Â Cash equivalents 3,000 4,973 Marketable securities Â 15,947 Fair Value, Inputs, Level 2 Â Â Liabilities: Â Â Total liabilities 204 29 Fair Value, Inputs, Level 2 | Warrant Liability Â Â Liabilities: Â Â Total liabilities $ 204 $ 29 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 - 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 - DefinitionFair value portion of investment securities, including, but not limited to, marketable securities, derivative financial instruments, and investments accounted for under the equity method. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -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 2: 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 3: 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_InvestmentsFairValueDisclosure Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionFair value of financial and nonfinancial obligations. + ReferencesReference 1: 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 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/1943274/2147482106/820-10-50-2 + Details Name: us-gaap_LiabilitiesFairValueDisclosure Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_LiabilitiesFairValueDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_CashAndCashEquivalentsAxis=us-gaap_USTreasurySecuritiesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementEquityComponentsAxis=us-gaap_WarrantMember 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: XML 43 R32.htm IDEA: XBRL DOCUMENT v3.24.3 Fair Value Measurements - Additional Information (Details) $ in Millions Sep. 30, 2024 USD ($) Fair Value Disclosures [Abstract] Â Available-for-sale debt securities with maturity dates within one year $ 3.0 X - DefinitionFair value of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), with single maturity date and allocated without single maturity date, maturing in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-3Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 320 -Name Accounting Standards Codification -Section 50 -Paragraph 3A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477268/942-320-50-3A + Details Name: us-gaap_AvailableForSaleSecuritiesDebtMaturitiesWithinOneYearFairValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_FairValueDisclosuresAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 44 R33.htm IDEA: XBRL DOCUMENT v3.24.3 Balance Sheet Components - Schedule of Inventories, Net (Details) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Organization, Consolidation and Presentation of Financial Statements [Abstract] Â Â Finished goods, net $ 0 $ 1,065 Total inventories $ 0 $ 1,065 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 - ReferencesNo definition available. + Details Name: us-gaap_OrganizationConsolidationAndPresentationOfFinancialStatementsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 45 R34.htm IDEA: XBRL DOCUMENT v3.24.3 Balance Sheet Components - Additional Information (Details) - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Organization, Consolidation and Presentation of Financial Statements [Abstract] Â Â Â Â Depreciation $ 200 $ 500 $ 612 $ 1,261 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 - ReferencesNo definition available. + Details Name: us-gaap_OrganizationConsolidationAndPresentationOfFinancialStatementsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 46 R35.htm IDEA: XBRL DOCUMENT v3.24.3 Balance Sheet Components - Schedule of Prepaid Expenses And Other Current Assets (Details) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Schedule Of Balance Sheet Components [Line Items] Â Â Prepaid insurance $ 110 $ 873 Other prepaid expenses and assets 323 422 Total prepaid expenses and other current assets 1,173 2,323 Software Â Â Schedule Of Balance Sheet Components [Line Items] Â Â Other assets $ 740 $ 1,028 X - DefinitionOther prepaid expenses and assets. + ReferencesNo definition available. + Details Name: pdyn_OtherPrepaidExpensesAndAssets Namespace Prefix: pdyn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionSchedule of Balance Sheet Components + ReferencesNo definition available. + Details Name: pdyn_ScheduleOfBalanceSheetComponentsLineItems Namespace Prefix: pdyn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of current assets classified as other. + 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 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_OtherAssetsCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit 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 of asset related to consideration paid in advance for insurance that provides economic benefits within a future period of one year or the normal operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (g)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 340 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483032/340-10-45-1Reference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 340 -SubTopic 10 -Name Accounting Standards Codification -Section 05 -Paragraph 5 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482955/340-10-05-5 + Details Name: us-gaap_PrepaidInsurance Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=pdyn_SoftwareAndServiceMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 47 R36.htm IDEA: XBRL DOCUMENT v3.24.3 Balance Sheet Components - Property and Equipment, Net (Details) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Schedule Of Balance Sheet Components [Line Items] Â Â Property and equipment, gross $ 7,351 $ 9,109 Accumulated depreciation (2,941) (4,267) Property and equipment, net 4,410 4,842 Robotics and Manufacturing Equipment Â Â Schedule Of Balance Sheet Components [Line Items] Â Â Property and equipment, gross 1,097 1,841 Leasehold Improvements Â Â Schedule Of Balance Sheet Components [Line Items] Â Â Property and equipment, gross 3,927 4,458 Computer Equipment Â Â Schedule Of Balance Sheet Components [Line Items] Â Â Property and equipment, gross 1,269 1,729 Financed Leased Computer Equipment Â Â Schedule Of Balance Sheet Components [Line Items] Â Â Property and equipment, gross 19 19 Software Â Â Schedule Of Balance Sheet Components [Line Items] Â Â Property and equipment, gross 36 44 Furniture and fixtures, and other fixed assets Â Â Schedule Of Balance Sheet Components [Line Items] Â Â Property and equipment, gross $ 1,003 $ 1,018 X - DefinitionSchedule of Balance Sheet Components + ReferencesNo definition available. + Details Name: pdyn_ScheduleOfBalanceSheetComponentsLineItems Namespace Prefix: pdyn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration 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 - 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=pdyn_RoboticsAndManufacturingEquipmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=us-gaap_LeaseholdImprovementsMember 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=pdyn_FinancedLeasedComputerEquipmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=pdyn_SoftwareAndServiceMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=pdyn_FurnitureAndFixturesAndOtherFixedAssetsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 48 R37.htm IDEA: XBRL DOCUMENT v3.24.3 Balance Sheet Components - Schedule of Accrued Liabilities (Details) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Organization, Consolidation and Presentation of Financial Statements [Abstract] Â Â Payroll and related costs $ 2,733 $ 3,913 Contract restructuring accrual 506 Legal services accrual 149 547 Other accrued expenses and current liabilities 664 839 Total accrued liabilities $ 3,546 $ 5,805 X - DefinitionLegal services accrual. + ReferencesNo definition available. + Details Name: pdyn_LegalServicesAccrual Namespace Prefix: pdyn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionOther Accrued Expenses And Current Liabilities + ReferencesNo definition available. + Details Name: pdyn_OtherAccruedExpensesAndCurrentLiabilities Namespace Prefix: pdyn_ Data Type: xbrli:monetaryItemType Balance Type: credit 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 - 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 - ReferencesNo definition available. + Details Name: us-gaap_OrganizationConsolidationAndPresentationOfFinancialStatementsAbstract Namespace Prefix:

us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionCarrying amount (including both current and noncurrent portions of the accrual) as of the balance sheet date pertaining to a specified type of cost associated with exit from or disposal of business activities or restructuring pursuant to a duly authorized plan. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.P.4.b.2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1 + Details Name: us-gaap_RestructuringReserve Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 49 R38.htm IDEA: XBRL DOCUMENT v3.24.3 Earn-Out Shares Additional Information (Details) 9 Months Ended Sep. 30, 2024 $ / shares shares Common Stock Â Business Acquisition [Line Items] Â Contingent merger consideration earn-out shares issuable 4,687,500 Common Stock Price Per Share Equals Or Exceeds 15.00 Per Share Â Business Acquisition [Line Items] Â Contingent merger consideration earn-out shares issuable 2,343,750 Earn-Out price per share | $ / shares $ 90 Earn-Out trading days 20 days Earn-Out consecutive trading days 30 days Common Stock Price Per Share Equals Or Exceeds 20.00 Per Share Â Business Acquisition [Line Items] Â Contingent merger consideration earn-out shares issuable 2,343,750 Earn-Out price per share | $ / shares $ 120 Earn-Out trading days 20 days Earn-Out consecutive trading days 30 days X - DefinitionContingent merger consideration earn-out shares issuable. + ReferencesNo definition available. + Details Name: pdyn_ContingentMergerConsiderationEarnOutSharesIssuable Namespace Prefix: pdyn_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionEarnout consecutive trading days. + ReferencesNo definition available. + Details Name: pdyn_EarnoutConsecutiveTradingDays Namespace Prefix: pdyn_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionEarnout price per share. + ReferencesNo definition available. + Details Name: pdyn_EarnoutPricePerShare Namespace Prefix: pdyn_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionEarnout trading days. + ReferencesNo definition available. + Details Name: pdyn_EarnoutTradingDays Namespace Prefix: pdyn_ 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 805 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479907/805-20-50-5 + Details Name: us-gaap_BusinessAcquisitionLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_StatementEquityComponentsAxis=us-gaap_CommonStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementEquityComponentsAxis=pdyn_CommonStockPricePerShareEqualsOrExceedsFifteenPerShareMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementEquityComponentsAxis=pdyn_CommonStockPricePerShareEqualsOrExceedsTwentyPerShareMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 50 R39.htm IDEA: XBRL DOCUMENT v3.24.3 Warrants - Additional Information (Details) 9 Months Ended Jul. 05, 2023 Jan. 20, 2021 shares Sep. 30, 2024 $ / shares shares Class of Warrant or Right [Line Items] Â Â Â Warrants outstanding | shares Â Â 20,549,453 Reverse stock split 1-for-6 reverse stock split Â Â Reverse stock split, ratio 0.00167 Â Â Redemption of Warrants When Price Per Share Equals or Exceeds $108.00 Per Share Â Â Â Class of Warrant or Right [Line Items] Â Â Â Redemption of warrants price per share Â Â $ 108 Warrants price per share Â Â $ 0.01 Minimum period for written notice of redemption Â Â 30 days Consecutive trading days Â Â 20 days Consecutive trading days after commencement Â Â 30 days Trading days, description Â Â if, and only if, the last reported sale price of the shares of the Companyâ€™s Common Stock for any 20 trading days within a 30-trading day period commencing after the Warrants become exercisable and ending three business days before the Company sends the notice of redemption to the Warrant holders (which is referred to as the â€œReference Valueâ€) equals or exceeds $108.00 per share (as adjusted for stock splits, stock dividends, reorganizations, recapitalizations and the like). Redemption of warrants description Â Â upon not less than 30 daysâ€™ prior written notice of redemption (the â€œ30-day redemption periodâ€) to each Warrant holder; and Redemption of Warrants When Price Per Share Equals or Exceeds $108.00 Per Share | Minimum Â Â Â Class of Warrant or Right [Line Items] Â Â Â Warrants reference value per share Â Â $ 108 Redemption of Warrants When Price Per Share Equals or Exceeds $60.00 Per Share Â Â Â Class of Warrant or Right [Line Items] Â Â Â Redemption of warrants price per share Â Â 60 Warrants price per share Â Â $ 0.1 Minimum period for written notice of redemption Â Â 30 days Redemption of warrants description Â Â at $0.10 per Warrant upon a minimum of 30 daysâ€™ prior written notice of redemption; provided that holders will be able to exercise their Warrants on a cashless basis prior to redemption and receive that number of shares determined by reference to an agreed table based on the redemption date and the â€œfair market valueâ€ of the Companyâ€™s Common Stock; Redemption of Warrants When Price Per Share Equals or Exceeds $60.00 Per Share | Minimum Â Â Â Class of Warrant or Right [Line Items] Â Â Â Warrants reference value per share Â Â $ 60 Redemption of Warrants When Price Per Share Equals or Exceeds $60.00 Per Share | Maximum Â Â Â Class of Warrant or Right [Line Items] Â Â Â Warrants reference value per share Â Â $ 108 Common Stock Â Â Â Class of Warrant or Right [Line Items] Â Â Â Shares of common stock per warrant | shares Â Â 1 Warrant exercise price Â Â $ 11.5 Expiration date Â Â Sep. 24, 2026 Warrant expiration term Â Â 5 years IPO Â Â Â Class of Warrant or Right [Line Items] Â Â Â Issuance of shares (in Shares) | shares Â 27,600,000 Â Sale of warrants (in Shares) | shares Â 7,270,000 Â X - DefinitionClass of warrant or right redemption consecutive trading days. + ReferencesNo definition available. + Details Name: pdyn_ClassOfWarrantOrRightRedemptionConsecutiveTradingDays Namespace Prefix: pdyn_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionClass of warrant or right redemption consecutive trading days after commencement. + ReferencesNo definition available. + Details Name: pdyn_ClassOfWarrantOrRightRedemptionConsecutiveTradingDaysAfterCommencement Namespace Prefix: pdyn_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionClass of warrant or right redemption minimum written notice period. + ReferencesNo definition available. + Details Name: pdyn_ClassOfWarrantOrRightRedemptionMinimumWrittenNoticePeriod Namespace Prefix: pdyn_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionClass of warrant or rights expiration date. + ReferencesNo definition available. + Details Name: pdyn_ClassOfWarrantOrRightsExpirationDate Namespace Prefix: pdyn_ Data Type: xbrli:dateItemType Balance Type: na Period Type: duration X - DefinitionRedemption of warrants, description + ReferencesNo definition available. + Details Name: pdyn_RedemptionOfWarrantsDescription Namespace Prefix: pdyn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionRedemption of warrants price per share. + ReferencesNo definition available. + Details Name: pdyn_RedemptionOfWarrantsPricePerShare Namespace Prefix: pdyn_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionTrading days description. + ReferencesNo definition available. + Details Name: pdyn_TradingDaysDescription Namespace Prefix: pdyn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionWarrant reference value per share. + ReferencesNo definition available. + Details Name: pdyn_WarrantReferenceValuePerShare Namespace Prefix: pdyn_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionWarrants price per share. + ReferencesNo definition available. + Details Name: pdyn_WarrantsPricePerShare Namespace Prefix: pdyn_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionExercise price per share or per unit of warrants or rights outstanding. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-3 + Details Name: us-gaap_ClassOfWarrantOrRightExercisePriceOfWarrantsOrRights1 Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na 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_ClassOfWarrantOrRightLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionNumber of securities into which each warrant or right may be converted. For example, but not limited to, each warrant may be converted into two shares. + ReferencesNo definition available. + Details Name: us-gaap_ClassOfWarrantOrRightNumberOfSecuritiesCalledByEachWarrantOrRight Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionNumber of warrants or rights outstanding. + ReferencesNo definition available. + Details Name: us-gaap_ClassOfWarrantOrRightOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionThe number of warrants or rights which entitle the entity to receive future services in exchange for the unvested, forfeitable warrants or rights. + ReferencesNo definition available. + Details Name: us-gaap_ClassOfWarrantOrRightUnissued Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionThe number of shares issued or sold by the subsidiary or equity method investee per stock transaction. + ReferencesNo definition available. + Details Name: us-gaap_SaleOfStockNumberOfSharesIssuedInTransaction Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionRatio applied to the conversion of stock split, for example but not limited to, one share converted to two or two shares converted to one. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 4 -Subparagraph (SAB Topic 4.C) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-4 + Details Name: us-gaap_StockholdersEquityNoteStockSplitConversionRatio1 Namespace Prefix: us-gaap_ Data Type: xbrli:pureItemType Balance Type: na Period Type: duration X - DefinitionDescription of the reverse stock split arrangement. Also provide the retroactive effect given by the reverse split that occurs after the balance sheet date but before the release of financial statements. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 4 -Subparagraph (SAB Topic 4.C) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-4 + Details Name: us-gaap_StockholdersEquityReverseStockSplit Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionPeriod between issuance and expiration of outstanding warrant and right embodying unconditional obligation requiring redemption by transferring asset at specified or determinable date or upon event certain to occur, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 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 2: 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 3: 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/1943274/2147482106/820-10-50-2 + Details Name: us-gaap_WarrantsAndRightsOutstandingTerm Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: instant X - Details Name: us-gaap_ClassOfWarrantOrRightAxis=pdyn_RedemptionOfWarrantsWhenPricePerShareEqualsOrExceedsOneHundredEightPerShareMember 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: us-gaap_ClassOfWarrantOrRightAxis=pdyn_RedemptionOfWarrantsWhenPricePerShareEqualsOrExceedsSixtyPerShareMember 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_StatementEquityComponentsAxis=us-gaap_CommonStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_SubsidiarySaleOfStockAxis=us-gaap_IPOMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 51 R40.htm IDEA: XBRL DOCUMENT v3.24.3 Stock-based Compensation - Additional Information (Details) 3 Months Ended 9 Months Ended Apr. 17, 2024 USD ($) Employee $ / shares shares Sep. 30, 2024 USD ($) shares Sep. 30, 2023 USD ($) Sep. 30, 2024 USD ($) shares Sep. 30, 2023 USD ($) Dec. 15, 2024 shares Dec. 31, 2023 shares Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Â Â Â Â Stock-based compensation expense | $ Â $ 698,000 $ 6,074,000 $ 2,227,000 $ 10,808,000 Â Â Common stock, shares issued Â 26,863,965 Â 26,863,965 Â Â 25,877,865 Senior Employees [Member] Â Â Â Â Â Â Â Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Â Â Â Â Option to purchase number of employee applied | Employee 7 Â Â Â Â Â Â Â Â Stock Option Â Â Â Â Â Â Â Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Â Â Â Â Unrecognized stock-based compensation cost | $ Â $ 4,800,000 Â $ 4,800,000 Â Â Â Period for recognition of unrecognized compensation cost related to non-vested stock awards Â Â Â 2 years 7 months 6 days Â Â Â 2015 Plan Â Â Â Â Â Â Â Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Â Â Â Â Stock - based compensation exercisable period Â Â Â 10 years Â Â Â 2015 Plan | Minimum Â Â Â Â Â Â Â Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Â Â Â Â Share-based compensation arrangement by share-based payment award, award vesting period Â Â Â 3 years Â Â Â 2015 Plan | Maximum Â Â Â Â Â Â Â Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Â Â Â Â Share-based compensation arrangement by share-based payment award, award vesting period Â Â Â 5 years Â Â Â 2021 Plan Â Â Â Â Â Â Â Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Â Â Â Â Stock - based compensation exercisable period Â Â Â 10 years Â Â Â Total number of shares Â 5,000,000 Â 5,000,000 Â Â Â Due to failure to vest, additional shares added Â Â Â 2,100,000 Â Â Â Number of shares available to grant under plan Â 2,000,000 Â 2,000,000 Â Â Â 2021 Plan | Minimum Â Â Â Â Â Â Â Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Â Â Â Â Share-based compensation arrangement by share-based payment award, award vesting period Â Â Â 1 year Â Â Â 2021 Plan | Maximum Â Â Â Â Â Â Â Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Â Â Â Â Share-based compensation arrangement by share-based payment award, award vesting period Â Â Â 4 years Â Â Â 2024 Inducement Plan Â Â Â Â Â Â Â Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Â Â Â Â Total number of shares Â 500,000 Â 500,000 Â Â Â Stock-based compensation expense | $ Â Â Â $ 0 Â Â Â 2024 Inducement Plan | Scenario Forecast Â Â Â Â Â Â Â Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Â Â Â Â Number of shares available to grant under plan Â Â Â Â Â 500,000 Â 2021 Employee Stock Purchase Plan Â Â Â Â Â Â Â Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Â Â Â Â Stock-based compensation expense | $ Â Â Â $ 0 Â Â Â Offering period Â Â Â 6 months Â Â Â Common stock, shares issued Â 0 Â 0 Â Â Â 2021 Employee Stock Purchase Plan | Common Stock Â Â Â Â Â Â Â Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Â Â Â Â Purchase price as a percentage of the lesser of the fair market value of the Common Stock Â Â Â 85.00% Â Â Â Option Modification [Member] Â Â Â Â Â Â Â Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Â Â Â Â Stock-based compensation expense | $ Â Â Â $ 100,000 Â Â Â Options to purchase aggregate shares 773,551 Â Â Â Â Â Â Â Â Total Incremental Fair Value Recognized | $ $ 200,000 Â Â Â Â Â Â Â Â Option Modification [Member] | Senior Employees [Member] Â Â Â Â Â Â Â Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Â Â Â Â Options to purchase aggregate shares 225,670 Â Â Â Â Â Â Â Â New exercise price | $ / shares $ 1.59 Â Â Â Â Â Â Â Â Option Modification [Member] | Other Employees [Member] Â Â Â Â Â Â Â Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Â Â Â Â Options to purchase aggregate shares 547,881 Â Â Â Â Â Â Â Â X - DefinitionOption to purchase number of employee applied. + ReferencesNo definition available. + Details Name: pdyn_OptionToPurchaseNumberOfEmployeeApplied Namespace Prefix: pdyn_ Data Type: xbrli:integerItemType Balance Type: na Period Type: duration X - DefinitionShare-based compensation arrangement by share-based payment award, offering period. + ReferencesNo definition available. + Details Name: pdyn_ShareBasedCompensationArrangementByShareBasedPaymentAwardOfferingPeriod Namespace Prefix: pdyn_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionShare-based compensation arrangement by share-based payment award options to purchase shares of common stock. + ReferencesNo definition available. + Details Name: pdyn_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsToPurchaseSharesOfCommonStock Namespace Prefix: pdyn_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionStock options, new exercise price. + ReferencesNo definition available. + Details Name: pdyn_StockOptionsNewExercisePrice Namespace Prefix: pdyn_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration 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 - 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 - DefinitionMaximum term of the deferred compensation arrangement, 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 710 -SubTopic 10 -Section 55 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482943/710-10-55-7Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(2) -SubTopic 10 -Topic 718 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_DeferredCompensationArrangementWithIndividualMaximumContractualTerm1 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration 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 - 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 authorized for issuance under share-based payment arrangement. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardNumberOfSharesAuthorized Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionThe difference between the maximum number of shares (or other type of equity) authorized for issuance under the plan (including the effects of amendments and adjustments), and the sum of: 1) the number of shares (or other type of equity) already issued upon exercise of options or other equity-based awards under the plan; and 2) shares (or other type of equity) reserved for issuance on granting of outstanding awards, net of cancellations and forfeitures, if applicable. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 10 -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardNumberOfSharesAvailableForGrant Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionAn excess of the fair value of the modified award over the fair value of the award immediately before the modification. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (h)(2)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardPlanModificationIncrementalCompensationCost Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionPurchase price of common stock expressed as a percentage of its fair value. + ReferencesNo definition available. + Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardPurchasePriceOfCommonStockPercent Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - Details Name: srt_TitleOfIndividualAxis=pdyn_SeniorEmployeesMember 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_PlanNameAxis=pdyn_TwoThousandFifteenEquityIncentivePlanMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_RangeAxis=srt_MinimumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_RangeAxis=srt_MaximumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PlanNameAxis=pdyn_TwoThousandTwentyOneEquityIncentivePlanMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PlanNameAxis=pdyn_TwoThousandTwentyFourInducementEquityIncentivePlanMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_StatementScenarioAxis=srt_ScenarioForecastMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PlanNameAxis=pdyn_TwoThousandTwentyOneEmployeeStockPurchasePlanMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementEquityComponentsAxis=us-gaap_CommonStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PlanNameAxis=pdyn_OptionModificationMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_TitleOfIndividualAxis=pdyn_OtherEmployeesMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 52 R41.htm IDEA: XBRL DOCUMENT v3.24.3 Stock-based Compensation - Schedule of Stock Options Activity (Details) $ / shares in Units, $ in Thousands 9 Months Ended 12 Months Ended Sep. 30, 2024 USD ($) $ / shares shares Dec. 31, 2023 USD ($) $ / shares shares Share-Based Payment Arrangement [Abstract] Â Â Options outstanding, beginning balance | shares 2,845,084 Â Options granted | shares 555,000 Â Options exercised | shares (109,722) Â Options cancelled | shares (1,746,065) Â Options outstanding, ending balance | shares 1,544,297 2,845,084 Options exercisable | shares 511,120 1,250,104 Options outstanding, weighted average exercise price, beginning balance | $ / shares $ 9.82 Â Options granted, weighted average exercise price | $ / shares 1.77 Â Options exercised, weighted average exercise price | $ / shares 0.22 Â Options cancelled, weighted average exercise price | $ / shares 11.22 Â Options outstanding, weighted average exercise price, ending balance | $ / shares 1.82 $ 9.82 Options exercisable, weighted average exercise price | $ / shares $ 1.89 $ 11.62 Options outstanding, weighted average remaining contractual term 7 years 6 months 7 days 4 hours Options exercisable, weighted average remaining contractual term 4 years 9 months 18 days 5 years Options outstanding, aggregate intrinsic value | $ $ 307 $ 91 Options exercised, aggregate instrinsic value | $ 164 Â Options exercisable, aggregate intrinsic value | $ $ 146 $ 91 X - ReferencesNo definition available. + Details Name: us-gaap_DisclosureOfCompensationRelatedCostsSharebasedPaymentsAbstract 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 - 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 - DefinitionGross number of share options (or share units) granted during the period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsGrantsInPeriodGross Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - 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 - 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 - DefinitionWeighted-average exercise price, at which grantee can acquire shares reserved for issuance, for fully vested and expected to vest exercisable or convertible options. Includes, but is not limited to, unvested options for which requisite service period has not been rendered but that are expected to vest based on achievement of performance condition, if forfeitures are recognized when they occur. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsVestedAndExpectedToVestExercisableWeightedAverageExercisePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionWeighted average price at which option holders acquired shares when converting their stock options into shares. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsExercisesInPeriodWeightedAverageExercisePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionWeighted average price at which grantees could have acquired the underlying shares with respect to stock options that were terminated. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsForfeituresInPeriodWeightedAverageExercisePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionWeighted average per share amount at which grantees can acquire shares of common stock by exercise of options. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsGrantsInPeriodWeightedAverageExercisePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - 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 XML 53 R42.htm IDEA: XBRL DOCUMENT v3.24.3 Stock-based Compensation - Summary of RSU Activity (Details) - Restricted Stock Units (RSUs) 9 Months Ended Sep. 30, 2024 $ / shares shares Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Â Number of shares, beginning balance | shares 1,180,115 Number of shares, granted | shares 1,544,319 Number of shares, released | shares (297,945) Number of shares, cancelled | shares (700,797) Number of shares, ending balance | shares 1,725,692 Weighted average fair value, beginning balance | $ / shares $ 4.49 Weighted average fair value, granted | $ / shares 1 Weighted average fair value, released | $ / shares 3.79 Weighted average fair value, cancelled | $ / shares 3.95 Weighted average fair value, ending balance | $ / shares $ 1.71 X - DefinitionThe number of equity-based payment instruments, excluding stock (or unit) options, that were forfeited during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeitedInPeriod Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionWeighted average fair value as of the grant date of equity-based award plans other than stock (unit) option plans that were not exercised or put into effect as a result of the occurrence of a terminating event. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeituresWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe number of grants made during the period on other than stock (or unit) option plans (for example, phantom stock or unit plan, stock or unit appreciation rights plan, performance target plan). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsGrantsInPeriod Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionThe weighted average fair value at grant date for nonvested equity-based awards issued during the period on other than stock (or unit) option plans (for example, phantom stock or unit plan, stock or unit appreciation rights plan, performance target plan). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsGrantsInPeriodWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe number of non-vested equity-based payment instruments, excluding stock (or unit) options, that validly exist and are outstanding as of the balance sheet date. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedNumber Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionPer share or unit weighted-average fair value of nonvested award under share-based payment arrangement. Excludes share and unit options. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionThe number of equity-based payment instruments, excluding stock (or unit) options, that vested during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriod Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionThe weighted average fair value as of grant date pertaining to an equity-based award plan other than a stock (or unit) option plan for which the grantee gained the right during the reporting period, by satisfying service and performance requirements, to receive or retain shares or units, other instruments, or cash in accordance with the terms of the arrangement. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriodWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - 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 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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_AwardTypeAxis=us-gaap_RestrictedStockUnitsRSUMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 54 R43.htm IDEA: XBRL DOCUMENT v3.24.3 Stock-based Compensation - Summary of RSA Activity (Details) - Restricted Stock Awards 9 Months Ended Sep. 30, 2024 $ / shares shares Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Â Number of shares, granted | shares 625,000 Number of shares, ending balance | shares 625,000 Weighted average fair value, granted | $ / shares $ 0.59 Weighted average fair value, ending balance | $ / shares $ 0.59 X - DefinitionThe number of grants made during the period on other than stock (or unit) option plans (for example, phantom stock or unit plan, stock or unit appreciation rights plan, performance target plan). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsGrantsInPeriod Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionThe weighted average fair value at grant date for nonvested equity-based awards issued during the period on other than stock (or unit) option plans (for example, phantom stock or unit plan, stock or unit appreciation rights plan, performance target plan). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsGrantsInPeriodWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe number of non-vested equity-based payment instruments, excluding stock (or unit) options, that validly exist and are outstanding as of the balance sheet date. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedNumber Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionPer share or unit weighted-average fair value of nonvested award under share-based payment arrangement. Excludes share and unit options. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - 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 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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_AwardTypeAxis=pdyn_OutstandingRestrictedStockAwardsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 55 R44.htm IDEA: XBRL DOCUMENT v3.24.3 Stock-based Compensation - Schedule of Stock Based Compensation Expense (Details) - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Â Â Â Â Stock-based compensation expense $ 698 $ 6,074 $ 2,227 $ 10,808 Cost of Revenue Â Â Â Â Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Â Â Â Â Stock-based compensation expense 11 32 18 70 Research and Development Â Â Â Â Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Â Â Â Â Stock-based compensation expense 40 323 72 910 Sales and Marketing Â Â Â Â Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Â Â Â Â Stock-based compensation expense 209 149 493 662 General and Administrative Â Â Â Â Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Â Â Â Â Stock-based compensation expense $ 438 1,175 $ 1,644 4,771 Asset write-down and restructuring Â Â Â Â Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Â Â Â Â Stock-based compensation expense Â $ 4,395 Â $ 4,395 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 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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_SellingAndMarketingExpenseMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_IncomeStatementLocationAxis=us-gaap_GeneralAndAdministrativeExpenseMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_IncomeStatementLocationAxis=pdyn_AssetWriteDownAndRestructuringMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 56 R45.htm IDEA: XBRL DOCUMENT v3.24.3 Net Loss Per Share - Schedule of Basic and Diluted Net Loss Per Share (Details) - USD ($) $ / shares in Units, $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Numerator: Â Â Â Â Net loss $ (7,096) $ (28,981) $ (19,648) $ (79,117) Denominator: Â Â Â Â Weighted average shares outstanding, Basic 26,177,413 25,706,023 26,018,708 25,563,895 Weighted average shares outstanding, Diluted 26,177,413 25,706,023 26,018,708 25,563,895 Basic net loss per share $ (0.27) $ (1.13) $ (0.76) $ (3.09) Diluted net loss per share $ (0.27) $ (1.13) $ (0.76) $ (3.09) Anti-dilutive securities, excluded 12,007,398 12,473,978 12,007,398 12,473,978 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 - DefinitionThe amount of net income (loss) for the period per each share of common stock or unit outstanding during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-52Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-15Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-7Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-10Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-7 + Details Name: us-gaap_EarningsPerShareBasic Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe amount of net income (loss) for the period available to each share of common stock or common unit outstanding during the reporting period and to each share or unit that would have been outstanding assuming the issuance of common shares or units for all dilutive potential common shares or units outstanding during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-52Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-15Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-7Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-7 + Details Name: us-gaap_EarningsPerShareDiluted Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe 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_NetIncomeLossAbstract 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 - ReferencesNo definition available. + Details Name: us-gaap_WeightedAverageNumberOfSharesOutstandingAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType 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 57 R46.htm IDEA: XBRL DOCUMENT v3.24.3 Income Taxes - Additional Information (Details) - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Income Tax Disclosure [Abstract] Â Â Â Â Income tax expense $ (3) $ 0 $ (3) $ (3) 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 58 R47.htm IDEA: XBRL DOCUMENT v3.24.3 Segment Information - Additional Information (Details) $ in Millions 3 Months Ended 9 Months Ended Sep. 30, 2023 USD ($) Sep. 30, 2024 Segment Sep. 30, 2023 USD ($) Segment Reporting Information [Line Items] Â Â Â Number of reportable segment Â 1 Â Number of operating segment Â 1 Â Non-US [Member] Â Â Â Segment Reporting Information [Line Items] Â Â Â Revenue earned from customers | $ $ 1.1 Â $ 2.0 X - DefinitionNumber of operating segments. An operating segment is a component of an enterprise: (a) that engages in business activities from which it may earn revenues and incur expenses (including revenues and expenses relating to transactions with other components of the same enterprise), (b) whose operating results are regularly reviewed by the enterprise's chief operating decision maker to make decisions about resources to be allocated to the segment and assess its performance, and (c) for which discrete financial information is available. An operating segment may engage in business activities for which it has yet to earn revenues, for example, start-up operations may be operating segments before earning revenues. + 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/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-18 + Details Name: us-gaap_NumberOfOperatingSegments Namespace Prefix: us-gaap_ Data Type: xbrli:integerItemType Balance Type: na Period Type: duration X - DefinitionNumber of segments reported by the entity. A reportable segment is a component of an entity for which there is an accounting requirement to report separate financial information on that component in the entity's financial statements. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 47 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-47Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 54 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-54Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-18 + Details Name: us-gaap_NumberOfReportableSegments Namespace Prefix: us-gaap_ Data Type: xbrli:integerItemType Balance Type: na 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 - 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=us-gaap_NonUsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 59 R48.htm IDEA: XBRL DOCUMENT v3.24.3 Subsequent Event - Additional Information (Details) - Subsequent Event Oct. 31, 2024 USD ($) $ / shares shares Securities Purchase Agreement Â Subsequent Event [Line Items] Â Warrant purchase price | $ / shares $ 2.15 Warrants transactions closed date Nov. 01, 2024 Warrant exercise price | $ / shares $ 2.3 Warrants exercisable period 6 months Warrant expiration term 5 years 6 months Private Placement | Securities Purchase Agreement | Maximum Â Subsequent Event [Line Items] Â Number of common stock shares to be issued upon conversion of warrants | shares 2,790,700 Registered Offering | Securities Purchase Agreement Â Subsequent Event [Line Items] Â Number of common stock shares to be issued and sell under agreement | shares 2,790,700 Registered Offering and Private Placements | Alliance Global Partners Â Subsequent Event [Line Items] Â Percentage of commission paid on gross proceeds 7.00% Payment of reimbursed for certain fees and expenses including legal fees | $ $ 50,000 Non-accountable expense allowance | $ $ 10,000 Chief Executive Officer and Board of Directors | Private Placement | Securities Purchase Agreement Â Subsequent Event [Line Items] Â Number of common stock shares to be issued and sell under agreement | shares 430,105 Price per common stock | $ / shares $ 2.2 Price per warrant | $ / shares $ 0.125 Chief Executive Officer and Board of Directors | Private Placement | Securities Purchase Agreement | Maximum Â Subsequent Event [Line Items] Â Number of common stock shares to be issued upon conversion of warrants | shares 430,105 Chief Executive Officer and Board of Directors | Registered Offering and Private Placements | Securities Purchase Agreement Â Subsequent Event [Line Items] Â Expected gross proceeds from common stock purchase program | $ $ 7,000,000 X - DefinitionClass of warrant or right, purchase price of warrants or rights. + ReferencesNo definition available. + Details Name: pdyn_ClassOfWarrantOrRightPurchasePriceOfWarrantsOrRights Namespace Prefix: pdyn_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionClass of warrant or right, warrant price. + ReferencesNo definition available. + Details Name: pdyn_ClassOfWarrantOrRightWarrantPrice Namespace Prefix: pdyn_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionExpected gross proceeds from common stock purchase program. + ReferencesNo definition available. + Details Name: pdyn_ExpectedGrossProceedsFromCommonStockPurchaseProgram Namespace Prefix: pdyn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionNumber of common stock shares to be issued and sell under agreement. + ReferencesNo definition available. + Details Name: pdyn_NumberOfCommonStockSharesToBeIssuedAndSellUnderAgreement Namespace Prefix: pdyn_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionPayment of reimbursed for certain fees and expenses including legal fees. + ReferencesNo definition available. + Details Name: pdyn_PaymentOfReimbursedForCertainFeesAndExpensesIncludingLegalFees Namespace Prefix: pdyn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionPayments of non accountable expense allowance. + ReferencesNo definition available. + Details Name: pdyn_PaymentsOfNonAccountableExpenseAllowance Namespace Prefix: pdyn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionPercentage of commission paid on gross proceeds. + ReferencesNo definition available. + Details Name: pdyn_PercentageOfCommissionPaidOnGrossProceeds Namespace Prefix: pdyn_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionWarrants and rights outstanding, transactions closed date. + ReferencesNo definition available. + Details Name: pdyn_WarrantsAndRightsOutstandingTransactionsClosedDate Namespace Prefix: pdyn_ Data Type: xbrli:dateItemType Balance Type: na Period Type: duration X - DefinitionWarrants exercisable period. + ReferencesNo definition available. + Details Name: pdyn_WarrantsExercisablePeriod Namespace Prefix: pdyn_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionExercise price per share or per unit of warrants or rights outstanding. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-3 + Details Name: us-gaap_ClassOfWarrantOrRightExercisePriceOfWarrantsOrRights1 Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionNumber of securities into which the class of warrant or right may be converted. For example, but not limited to, 500,000 warrants may be converted into 1,000,000 shares. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-3 + Details Name: us-gaap_ClassOfWarrantOrRightNumberOfSecuritiesCalledByWarrantsOrRights Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionPer share or per unit amount of equity securities issued. + ReferencesNo definition available. + Details Name: us-gaap_SharesIssuedPricePerShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionDetail information of subsequent event by type. User is expected to use existing line items from elsewhere in the taxonomy as the primary line items for this disclosure, which is further associated with dimension and member elements pertaining to a subsequent event. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481674/830-30-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 855 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483399/855-10-50-2 + Details Name: us-gaap_SubsequentEventLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionPeriod between issuance and expiration of outstanding warrant and right embodying unconditional obligation requiring redemption by transferring asset at specified or determinable date or upon event certain to occur, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 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 2: 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 3: 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/1943274/2147482106/820-10-50-2 + Details Name: us-gaap_WarrantsAndRightsOutstandingTerm Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: instant X - Details Name: us-gaap_SubsequentEventTypeAxis=us-gaap_SubsequentEventMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_TypeOfArrangementAxis=pdyn_SecuritiesPurchaseAgreementMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-

gaap_SubsidiarySaleOfStockAxis=us-gaap_PrivatePlacementMember 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_SubsidiarySaleOfStockAxis=pdyn_RegisteredOfferingMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_SubsidiarySaleOfStockAxis=pdyn_RegisteredOfferingAndPrivatePlacementsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: dei_LegalEntityAxis=pdyn_AllianceGlobalPartnersMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_RelatedPartyTransactionsByRelatedPartyAxis=pdyn_ChiefExecutiveOfficerAndBoardOfDirectorsMember Namespace Prefix: Data Type: na Balance Type: Period Type: EXCEL 60 Financial_Report.xlsx IDEA: XBRL DOCUMENT begin 644 Financial_Report.xlsx M4$L#!!0 (#6";5D'04UB@0 +$ 0 9&]C4')O<',O87!P+GAM M;$V./0L",1!$_\IQO;=!P4)B0-!2L+ (/>QLOD&1#LD)^OCG!CVX>;QA&WPIG M*N*!#BV&5(C(I(/ !47BK9.7:=N')=H6>Y #OGDK7A.YNJQ<&4GPZ4A!0W_J=0U[R;UEA_6\#MI7E!+ P04 M " U@FU9X*2U*NT K @ $0 &1O8U!R;W!S+V-O&ULS9+! M2L0P$(9?17)OIVE%(71S43PI""XHWD(RNQMLFI",M/OVIG&WB^@#>,S,GV^^ M@>EU$-I'?(X^8"2+Z6IVPYB$#AMV(H"(.D#.I7JG!AS<^>C4Y2?<0]!Z0^U M1VB;Y@8AAPM@0!%&E[X+:%9BJ?Z)+1U@1^2<[J:IJF>NI++.W!X>WI*>M6=DRD M1HWY5[*"C@$W[#SYM;N[WSXPV3;M=<5YQ;MMRP6_%1U_7UQ_^%V$G3=V9_^Q M\5E0]O#K+N074$L#!!0 (#6";5F97)PC$ 8)PG 3 >&PO=&AE M;64O=&AE64Q+GAM;.U:6W/:.!1^[Z_0>&?V;0O&-H&VM!-S:7;,M)F$[4X? MA1%8C6QY9)&$?[]'-A#++E@WMDDVZFSP$+.G[SD5'Y^@X>?/N+F+HAHB4\GA@ MV2_;UKNW+][@5S(D4P&:>O\, *I4Q>M5II ,,X?+&A T%116F]?(+3E'S/X%/F7/Z3H=,H%N,!M8(' _;Z?D3EJ(X53^Q,!J9S]6:\?1 MTDB @LE]E 6Z2?:CTQ4(,@T[.IU8SG9\]L3MGXS*VG0T;1K@X_%X.+;+THMP M' 3@4;N>PIWT;+^D00FTHVG09-CVVJZ1IJJ-4T_3]WW?ZYMHG J-6T_3:W?= MTXZ)QJW0>V^\4^'PZZ)QJO0=.MI)B?]KFNDZ19H0D;CZWH2%;7E0-,@ %AP M=M;,T@.67BGZ=90:V1V[W4%<\%CN.8D1_L;%!-9ITAF6-$9RG9 %#@ WQ-%, M4'RO0;:*X,*2TER0UL\IM5 :")K(@?5'@B'%W*]]9>[R:0S>IU].LYKE']I MJP&G[;N;SY/\<^CDGZ>3UTU"SG"\+ GQ^R-;88C'(CN]WV6'WV3T=N()>IP+,BUY1&)$6?R"VZ MY!$XM4D-,A,_")V&F&I0' *D"3&6H8;XM,:L$> 3?;>^",C? C8CWJV^:/5>A M6$G:A/@01AKBG'/F<)%L^P>E1M'V5;SC MFED)0816:I^JAS0^]!XR"@7QN1X^Y7IX"C>6QKQ0KH)[?_1VC?"]_B"P#E_ M+GW/I>^Y]#VATK\>WZV22$KYI9+2,6D$N!LT$DN/R+RO JQ GH9%LE" M0AMNZ5/U2I77Y:^Y*+@\6^3IKZ%T/BS/^3Q?Y[3-"S-#MW)+ZK:4OK4F.$KT ML@'37[]EUVY".E,%.70[@:0KX#;;J=W#HXGIB1N0K3 M4!!OP_GIQ7@:XCG9!+E]F%=MY]C1T?OGP5&PH^\\EAW'B/*B(>ZAAIC/PT.' M>7M?F&>5QE T%&ULK"0L1K=@N-?Q+!3@9& MH >#KU$"\E)58#%;Q@,KD*\) M3(Q%Z'#GEUQ?X]&2X]NF9;5NKREW6&TB4CG":9@39ZO*WF6QP54=SU5;\K" ^ M:CVT%4[/_EFMR)\,$4X6^Q)(8Y07IDJB\QE3ON>;G*YZ(G;ZEW?! M8/+] <,E'#^4[YU_T74.N?O;=X_INDSM(3)QYQ1$!=$4"(Y4U#VT%SU&\Z.9X!ZSAW;>KC"1:S_6-8>^3+?.7#;.MX#7N83 M+$.D?L%)BHJ $:MBOKJO3_DEG#NT>_ &! ()O\UMND]MW@#'S4JUJE9"L1/TL' M?!^2!F.,6_0T7X\48JVFL:W&VC$,>8!8\PRA9CC?AT6:&C/5BZPYC0IO0=5 MY3_;U UH]@TT')$%7C&9MC:CY$X*/-S^[PVPPL2.X>V+OP%02P,$% @ M-8)M609+7BR+!@ =*< !@ !X;"]W;W)KN.TT;;JAPF,;11@Z##$R;_O MX1+&B89C%H4OB;%]7O,P%QX&3G9"/B1;5A%T+H>UME8H_#@:)N^4A2XY$ MS^/X9"UDR!1LRLT@B25G7EX4!@-J6>-!R/RH-SO)WUO*V8E(5>!'?"E)DH8A MD\]G/!"[TY[=>WGCQM]L5?;&8'82LPU?*+B$B^/NW- M[8^+85Z0?^,OG^^2O=U:V1SS6KLHB&/Q[Y L>!%D2[,=_ M96BO^LVL+Q-4L#=2=VO_,2:)3EN2)(M\K]D5WQW..P1-TV4",MBV(/0CXK_[*D\$/L%M*: E@7T38%=]PM.6>#DH,6> MY5CG3+'9B10[(K-O0UKV(C\V>370^%'6C"LEX5,?ZM3L7+@IM(HB+/+(1:1\ M]4RNHJ) [9(>Y3Y(MDSPY&2CXM:QFX);)9T4RK4F>DL\B4ML$4CWNO:X?P%Y6 MNTI?=O6,HH$K'A\1Q_I J$6'AOU9X.77XO&(6&-3^:O=<:HCY^1YSJ$CMW^X M_OD$WR)7BH?)OZ9#5D0.S9'9D/V8Q,SEIST8DPF7C[PW^^D'>VS]:N))I[!7 M],.*?HBE:_K;YYB;2/%RV^I -2&A52V11A72"-VG.?!X.=-EP#8F)KQ^S8+$ M="@6:%E+]'$%-6[63DLN?9$-<8 1&%L,CRI&GZUXP^M;\EY7'$>HWNW2*7, MF\Y/7!:0;YQ)E!5/Z_=MVG=L$R1:V!)R4D%.FC7F/N4EO&FU9A-^&\X1L_ 5)HTFL6&@?B@: E"P+F/<-)=7Y% M%D+&1T9:-*0M+=6TM GMI1]P? 7QB1N] ;6_N-C1M*B3SM M/$A//KR\(+G@?8G,G'CD>&21%5Q*;F3C5O,6=Y%M09>^%;O(B'I DEB@R"?VP/,@(V\7 MEF1K3;)QLWG+6XWAI12/? N2:^S6>^>>M$;0+4[*U*MFXW[P%78I$P1GW;S^N MGZ;PQ,G0MLSGVBZDW?9N>2L'@P/F$PF1JPN5(EJ5:*XWWP2N0)N M182=5 ^$3.EQ_YA.Q\;E@BX4B6I%HHT4Z98]D2L/?-!? ^VZQB(#0XI&349]. MG(EC[J9X<5M>+4FTD22]7*C=;? HR^_V!Q&_&9:D%7M664[L2;>A* MBLMBD3*["&4OX$9./+&.LPM!HEJ0:"-!RJ07#!#.(ALAC=B^KPNE(=JY:$-%XJ^IDS"/!L\E^<3(R.> M5=M/N] ?1^N/@YN+7F#7W;2>\4!8;3OB=6TAM0,YC1P(.F@(>"LEW >X),EO M.)$GO)CCSR8C(S$[V09 M)*$GO;K\W$&%F539SH]&3R:&+7W.+BE[,,9 M0=Y)5TJ0+N3'V;LGUL5-L? >]*]:%%CE:BQQ<9V"X>KG5/H?W(C#BX@'+\V_7 M1JXN],?1^N/@VG+KJX 3L28V_?G^%[+B;BK-2QQG!Y)>C_8?K:-L)9O$3))' M%J2K\[QGEN@>&%; M0NU'#FXT=TQFZ_4)48(L4PF4"2<'Y[!WLIWR"'3A3HYV)?2P1SV3D)4'H$N M],K1>N7@2M1@#L,#LCGLS@C6A50-M50-<0_ZCDGL0-+^,(D;#I,%GMF67MO6 M$+>MYI/7@:#ZR0LO_% ["P=YS3=EU:?ZX5T+<['93\8A3]6[UD-D\?Y!JH+]> M/(_VF667M0D)^!I*K:-C_(XA&0D0.)*ZEXH)<+\Y98SC\OL" #Y6@CU MLI']0/6@W>Q_4$L#!!0 (#6";5FQQVP-S04 -(7 8 >&PO=V]R:W-H965TU&LK9AM_BL;7N6MGG!B)YJ3Q3&KGIIUI MDTR=WKU6L!PS 421<)K[]+?"#F DL'O7%VT KY;?2F+_NYH^\^)};!B3Z$>: M9.)RM)$ROYA,1+1A*17G/& <9_++F14HEW!:/Y7C*Z]06DR(9;E35(:9Z/9 MM'IV5\RFO)1)G+&[HDR36GQ\H$E_/ERA$>0#[&CQNI'DQFTYP^LB63W_*[M NXFM9=5(+,Q#@#!5M? CJ[PQ9R$:D!E\5?,GD7K&JE0'CA_4C>?5I8\^3M>R![LBJL!94TMFTX,^H4-;@35U4[.XOEE>+Q!<+6_?UI'U]OT1GZ-MR@=Z^>8?> MH#A#]QM>"IJMQ'0B@4%YFD3[]WW8O8_TO&_)\G-D6V $+.(8AL^'AR]8!,-Q M-=P^'#Z!R.OP21T^]?S9?>&71<$RB:@03(H+4SP[!X[9@?K*+D1.(W8Y@L[ML&++1K/??\.>]=X4W2]R=A"K7<=J#WF?S:G8(%@U%*D+]KV,MS2!X(VKN'/E M5:Y4*MC",+9),)ULV^8K&8QLA[75 :=3NZ M9CJOIO,&ZYE#W&2L%6+SCAYGF%J_+##IQL1RW;,@'X-Z \"?LJVL.EXT;.H M M,%%U2VPY?7,6E1:#!8-0=P7+:;Q"[?HHV"B^DZXW+ "DG [19B0 QT(^W:' M6C@ND5,;9(TH8U 8#4[IW MU 8((4JW,74K;%EA'V>C6GA0*&:WU<[,>'9V?/'WK@ZFRM= #4:D)X_C1G#P ML+L]N<[QV]U0Y\N[LQ#6>:Y1"O!Z_1&>R<)/Y)3"%G5C)CK #PH%[]; GP MJ[P=!MV(%SY1O7+ZTB==6-Y9E$:^\+!^ 5]1@GRU%L6(J$N3 M[3I>EU&W<@.K1RMPHV!X6,)>-P[OI(MCS ;EPJ'&;+"R6YGED+D1.#RL<(=: M<8Q45RLG)%K2T*T^Q^W[+!M1P\JUDW"QUAUW<(6#KOZ:S+#EMU#2QIY(VR MIJ?B([Q$ERYB.1U:DU%/.B:-NI%A==MM@6-X!LER;>QW 0UFH4MZ/G_2ZL>& ME6W.TS26JD+8U6 1S]168%D$O.CM#9<,A>^,X/^AMT+&'NW_.SH,OM%+8@* MTE+RZ&G#DQ4KQ!]5K21?S#WIH.[^=%/ZB[P=1MW(,!GN]]22\PP)%?P8O;'. M+>/0X]M[(@[CCP?7CDOCJ/A5 *5+4 I102+E0V M^LD7C:$#$SFKCJF2%^,JZNUI-VL-FAS.=U,!D",5P&H5JR,TR 6JYSF+,Q31 M/(;<8(349=[Q, FZ8F"RQIQ MTM0$Y)2:0!BRCA'8U,(ZK92_QS74#E;85W21IBP@IS2[+?6J/KN3X4/MJ,K4 M:AC,3*W&I'7@JDZ[O]#B,=^Q!]L3M WMU(GE=GL]<2IY6EQM& M 5H9P.]K#L*VOU''NO4Q_NQ?4$L#!!0 (#6";5EGK?3<60(#(& 8 M >&PO=V]R:W-H965T&ULE971MHP%(9? Q8IVL4D=#@D! M5H5(%)A:J:.HZ;9K-SD0JTZ_K93AJ%+MV "^)CG__W=PZQ"0]202%IS]I"G*9L[402EL2<74/3]<0U./ M!4PXD_8;'>K<\<1!2245SQNQ)LAI43_)<].'CF X>D?@-0+O5('?"'Q:;$UF MRUH21:)0\ ,2)EN[F8'MC57K:FAA?L58";U*M4Y%B[OUN2+?\N7D&CYT,K]8SG6U;-9O]%X+>)[K M%TJW.GFZ0"41:$]8!7UUU483:V3.QSYR!Z[K#D.\[_+_-^\(TV\Y_3,XZ^8C M4JF," H;TC[>VC+H@ S'@6L ;Y!/R3RB'K74H .IJ915/ 'H+PYO/!W[7\;! M&^">Q& ZF4P[B4>\0?7CY(5OY GU=W\)9:4YXY\[GC'A]+UFI??Q((QB=[RK! W@X64RZOA4$P7 M+*?BDB]9H? XSXV5.I;HMYT.Q+!E-&],\&Q+*\H8Y38O!Z+IY]E2.KGDEL[1@ M3R4259[3\OL=R_CZ9H '[P^>T_E"U@^&H^LEG;,)DU^73Z6Z&VZ])&G."I'R M I5L=C.XQ5$M\9J!GE:;'[I6QN(/0/E!S8@K0'1#9P. [LU ML\=P6D-G&-'<%N#AOIPP[T)7$0E'5V7?(W*&JV\U1=-]!MK%:^TJ!?*1);] MOZFRDZ/QXT,4/TSB"*FKR>/G^^CV1=U,7M3/E_CA98(>/Z"I_CY]N5> =#9 MUX)622I9&%7 @4%PE+ /NHWS[LL1^JB&$#0M[#-:34*?'P]7.W' MR\3@@/B'H,@$^?09T&Q"(=R]J"#A@Z6X9.8V5W,'QK9@Y8H-1K ^@CWK-V@%G=)9=$IG\8F<'63"W6;" M[5UK8RXDXC.U!S5K#IVQMVE6";69U$]5W\D%$@N^+!!@2ZJ2QK+OZ+7>[\ZA MC&T&<_<6B^.'VM(T,9&0HBU-$T1"V]&6I@FR0Q?#2]/;!L3[0?$)1LOI JG. MJG; E:*Z5!LU6(B>.4DWT)B,31"V+*S5:V2B_, H11-D8TPZ:M'?$O9["?_. M"E6,6<.7)FK+2X6LBW/%(,H^$')/F^?8!/FNJSXOD M@"ZV=O+*ZB5*X12^^M2=:Z+I&Y=995VY1E- 955V9'IUNG^9"YPH*W8,8#" M0.L"G84:*H:<>38).@*PIRJQ;P!>N%3%S(T-%J2-@4SZ>KH!E*WZG-[! !CQ M'4_OV="8H=VUSC'9\2:]O#]S(="LY/D[=U[G(F9'9^$^B8%P6S+=QV=-8 C MEF.'.FT %]B=]8UW6A'WBT55X:Q>W^]$,.5YMVALW1S6F\':! 66IU,V0:'G MZWR!X?P]*7#(=J<;<:\8&IW5:3Y'J33<+],>Y8*5/TRQJ8>,6C8AQMDA D!&]P)$ M7&AUT=QI+]POOIHB? F4S7K*6+)+TK6^WPJ8FNO"MT$@O "-!:#8Q (=#SS&2 M# T;8MPA3/!.C.%^-79_'&M3%ET8E$V,+DN."L,^KI] 8F%$ 5V]9]YTK4MN2.DK1$LYH MKX[[V;/N2;U%)_46G\K;X7NFG4 D_0+QCHIT6G?0(Y+2N@KVUX1UJ;]&&4,P M?(FU2HI@;[Y^#(@]F57;R4[84CZA6&49I5DR;\4\7'4 1A$'I7F4@=@/=1W MVI"0W4\JWE]S9(+NE+2<,XVM 6JA(J'4A*JY2ZK1BT?&9Q>*? JSQ7I2;]%) MO<6G\G:8N)VX)?WB]CUQ2$LPC:BH:3!.@03WL^XZ^/L<0TO4M MKWF?>[B2(9^6.BM:^H8"^G0].PC=CO6\4\&D7P4?%9:VWL' F!*U*S LB,P MD$\X,)!/,###=O>\L.2OGS0OQAAX'N&K M>/.);.=^\\7N"RWG:2%0QF9J*-6KU'3+5+PS8WDR^8KSRN7DN?-Y8+1A)4U M0/U_QKE\OZD'V'Z*/T+4$L#!!0 (#6";5GZ"%S64 , -D* 8 M>&PO=V]R:W-H965T&ULK5;;N,V$/T50ET4"5!'5\N7V@82 M2XL-L(F#R-D^,];8$I8279*VM_WZ#B5%]87V!FU>)%[FG.$9#H8SVG'Q768 MBOPH6'G'5J;4>FC;4-7T.).TLN"JIP*E:V7 N@:04JF.TY3F@7-"^M MR:A:>Q*3$=\HEI?P)(C<% 45?]T!X[NQY5IO"_Y*E-ZP9Z,UG0%":B7]9/ MF=VRI'D!IKJ:;\&9K+YDU]@Z%EELI.)% \83%'E9_^F/)@Y[.0Q [P&X!T#@C, MOP'X[_40- (#@O1ZZ#:"2;M?:J\!%5-')2/ =$=H:V?2@BGZ%QGCEI>*DR2>(RA=2 CR[C!Q?P-D:F#8_W%IX[[R)A NL;XCN_$<_Q L-YIN^' M^R8Y_\] [_)^]'P3#;W/%K_B",WR/6+88E\9[K9%AA=2U:3OI]Q!.+*W^]$R M6'G]0=\]-(L,9NX@#/J'9K')Y\!U>ZW9@,RY MHHSPGZ6K273X4]&G%B>B3TU.1!M8SHCNM:)[EY/@0.BY:M1[5S4R6&$"U'GM' M.@UF6(VZ1T4K-OD<.(/^D5Y[[ZTN0*RJ)DGB!6Y*59?B=K7MPVZK]N-H_H1]6]UF_4M?-WT/5*SR4A(&2W3EW/3P8D3=2-43Q==5I_#*%?8=U3## MWA.$-L#])>?J;:(=M-WLY!]02P,$% @ -8)M62T/A*M_# 8WL !@ M !X;"]W;W)K56UT;[JZMF.J]69?-=O:G6^G_NZNVJ;/7' M[?U5L]E6Y6Q?:+6)HG$LXU;E8GUQ<[W_V]OMS76]:Y>+=?5V&S6[U:K<_O%# MM:P? GE^0BT]_^&5Q/V^[/US=7&_*^^JV:M]OWF[UIZNCRFRQJM-:HEY'V^KN M^<4+\KU*>%=@'_&?1?70G[P>=8?R:UW_UGUX.7M^$7MEL_\W>CC$QA?1=->T]>I06+=@M5@__BP_'CKBI !A P7H MH0"U"M!DH [%&!6 2X'"O!# 6[7,'0,XE! V 72@0+R4$#N^_ZQL_8]G9=M M>7.]K1^B;1>MU;I?]NG:E]8=O%AW(^NVW>K_7>AR[N\>'U;Y)'^[?;- MSR_S%^_TA]MW^L>KXO6[Z(V*)C^]>/UC<1N]?*W__F;RKY_>)P7O]S^+2K^ M_?[EN_]%S]ZOR]LUT5:S;Z/+Z/UM'CW[YMOHFVBQCM[-ZUU3KF?-]56K6]O5 M>34]M.R'QY;1@9:]J]MR"12;^(N]F.F6Z#%;+J.WY6)V^7(=3M/-J&TWJE9[\VYF?:BB9S_73?-M']QK5<5(%^,E\^KN\5T MT0(BRB^B6[32,_2VK:>_18;FM],@8 MTUE>_>["\GVS*:? 5\PL]\)IJ^Z&ZN/GK7XB,_P'-#4RQ'%.LP!13CV+B)(U4 M="'.'9' V^3&;W)O-_2RZ[*Y4LTC/:7WY;LKN9 +EC;MMD));0WQ,4.YM4V@_M8XHI)+%>+L0Q%*;B\.YK-F?V!9- L],YV:UG^B1<_;Y;M'$Y4.YG44;/>N: MTTD'YRVT_E^FNG% M<;0I_]*+U3:J[Z*V_*A70.U\7B]G^JS:1'KQ$-7=M1?*JW3:R*RKQ^1\2.YM MKI/\N*J=]E:U]I/1DN]LH4RESJM95]DUX[PUAN;C?'T%9GT*2:R7C.R8C,R; MC-=5.]CO&91]GDBK[[T5A/8]IE@Q[@ 44IV]_B>Q,<.Q-P/%>F9YG5?E]KA\ M9Z")C9T#(WHQRJB5&2"\RQ) [<4@%&=I%4#,):.\SBQ;I Z!(_P..0$&)*2/ M++MSOK^\ZJ'G?E2U'%6M0%53!S7+\Q FQ%!&C_*AN'U6M0%53)-3P$^/XB=_R!Z^ B.OI MB;T$\M<9G!E40("JIK#4^MDSC(#X(8%OR41UKC!OGK*W75J=[S),MSI! M5IWTR&[*=2UM#1.G!W#,5&YOUFAW8VJKR4^ BDQ MYIWZS3OFIHJ_JM 9AZJ6HZH5J&J*NDZ>",)H,C#? 3O;J_3X>>W>%0F;;MCIC M@G)_PX/3@:FFL-3Z23-0@?JAPE-NL_BK#IZAJ+@!5:U 55/4Q0V7E&89&9BA M!C909-A 7=AP*>R;#/R5!B=F1)4%:I4*2ZV?%0,1Z.=#! I !)I*Z:Q,4"$" MJEHQ\A@45JW]-!@\0$/QP#]W:[_AI:Y9S[*8.]G]@^"0IB M@B;"]DET-""@!A#0+P$$Y_L+%1"@JN6H:6JFJ(@(. D30?X,S6 @/H!09!) M@)C (!]18X%: MH\)2Z^? DY!$'/Z+P^2,&6>4T2YUS(.Z3";B/)HP[!H55:S\-!AXP/SSXC.U3 MYGIY:/L4" .W3X$XVQT!(?#VZ2%PS*,XQL@SOY' PNU3OWKPQO"5"*"]%:AJ MBKE\P;]]R@P38'XFV M3KG! OSK8@$.6'[[CIO)F*#61"*!4[OE>1@;ER3SCB-[14C$*;] MD70O48#G) :X!V(X%9PSNS='0RX2" -=)!#GN$@H!G21 MA\ QX]X8;>$WVD'/*,(]AGG7_ 15+4=5*U#5E #N._ :27'RDD$_&@C99A.N MG\V$+IW"H()!EZ*Q^G'<\8$Y?Z&!Z<#E29@]?639HB#.',GPA-N ML_FK#IZAJ.@"5:U 55,">%D#$30>V&83!DH(/Y08Q$M@]MSM>'N'[7Q([F]1 M<#^C0@8LM?[;<@UDD&? >1_BYL,^O&SJO4-5R5+4"54U]E]PP3K(!AR4-@)!^ M !',^B3P8@[S<:H-Q5(EQ38[@NU0H6EUL^(H1C23S%_$X"&_F"49NU^FL(M3@ J>QAW" JKTGX2#'B0?O#@?^07]- 2>!6@7ILZDP.@#C(6SF.0_@8&]SK$ M)UB<2/LUMW(TGY"&3\B@&P$\SP;#'8L*)U#5Q@OTQB,B8H]S<\.!NH;)+K9\TPR;DG\P)536&I]9-G.$;R^1PC 2! $F?VE\;X:PC.%2K'&'<("JO2?A(,QTA".<;9 MVV 2EP!]Q#]1?X&!O>Z6RM)?Q$0., Q$L,QDB_A&.<[%I5CH*KEJ&H% MJII*(X!WE]T=?)UP]W73[\JM_<+?=E?5G>Z:/Q=HC6VC]_H /BAK3?[;R#^ MM6[;>K7 =5Z5VC9W ?K_[^JZ_? 2A^U+CX_=JW_P?4$L#!!0 (#6";5GZ MJ#T\YP8 ,8= 8 >&PO=V]R:W-H965T&ULK5EK]HZ M&/XK%FY9I2!9Z2.)5GO;52V0F28AXOJ QWYWU8. E MP4^V6BOS8#]SJL7[5]S MX[4Q"R+IC,>_6*369[UQ#T1T23:Q^LEWWVAID&_TA3R6^2_8E;)>#X0;J7A2 M#M8($I86_^2I=,3> *W'@"5 U!SP+!C "X'X-S0 EENUB519'HJ^ X((ZVU MF8O<- _EH;0U+31CG2NBW3(3T]GMS>75S?S]$NBK^>V/[Y?G]_IF?J__KJ]N M[N?@]BN8G<^:\ ;G -P<>'E&PBIFCT"?21:P2?/SP"7P + 7W:[Z1)(WD MZ4!I9$;_("Q17!0H4 >*";CFJ5I+<)5&- #H*Z,X4\#5E,05HB-D_-=6ABN)$T,KG^Y@#ZQPS@D90=^"FH_!0X SA7/SL MFXX9@9 GFD8D,8W89G2AR=^+%$)HU AG6PAZ8VJLC^:H0CERHKRDVO20Y<@ M7X),F$BI9Z#[$]"_ -RPSD;9A'K7@!! U(+=E(J@'?&X0CQV(CY/N%#L3X68 MI8JD*[;0&4BDI,I:,>,6$*\!M2V!AGY'J4PJ]!,GU-E:(Z,F_9>$"; E\88: MR#LB!$EUM3"R8#%3SS; (D[;O1GX#=%NF/YG8,4.O)CCOG0[>TJ+@0<1DR#?V M?"BU'H#@Q0P9@FQ <8]R!>8^4H1NSB3S8"W0R9O3\S#/(6FH@[(M MT95KM1FW4R7 S8"UA8:!WQ&NFGJAFWL?4AV-6/?M5Q .VQ_WFR5J$4+"L"NC M:A*&3NZ:?M=%F2HN=,98H?F61 Y:V-I2_1$,NCI(S7S037UW@F:$:?YX,JQ' MBQSG:DV%GJ$+83I)=ZN&%IZ#?JM2+92)AUU]I&9#Z*;#VQQDRM/^&X"VV6T\ M@4V<;:$)]CI@UA0(7^' EQ+*R'-G=K89K0^]4:LCV\1\U%5#-?5!-_=IB&)# M#UJ;)0WVWEIML! <&J)6,EC$H(&:F!;YKKDWLG C@LT%@TT*>EV3+533(W+3XP'H MA(A'JDP3 I+JLN[.N#81- NO8(M+WQP%"'8AKMD1NMKPFJD3V/L@6%@T\KP7; M(H:\?;E#¥6/((C>/5M6M,V/+(EWABV=KH5C!6WC4'XU;C:DM%GAXV-'_4/]N*M!D\U[KV$')-W,A-W/,UT9[04]^L+/,(++DP,XU\":BA*_(& M=DRMUSR.=$#MZ"V4/&[!MP@%'1L:N&9M[&;MNQHI7\1LE2]D)=BDD9EXD(P1 M8B.8F@9FW4&T,'6S:-PRA[AK+L?OY');R5@1VSBZ!=DB-.J8(>&:Q;&3'W/, M'R,:"N/.3QIT<670&U,^%P89+MN2VP96O$CVZ8 ;$Y%+&+0[()@;Z/9S+'>T&U]2,W=O)\TV6Q=04K*Y*L[\4<[D1>8L, M7RA$IU-Q_J8+V;[K?]1=XV-I._1(S?K8S? IY.//UL^F[NJ1X0DW/[2C^H+7+ M#YL3%(M,LUL-]D[$$BI6^4&A!/DRLSA%JIY6AY'G^1%A0(,(' 8 >&PO=V]R:W-H M965T&ULK55MJH[P$/XK5E9-K;3BO$4:4B%4*W2.J&RI_= MY"!1$SNS'6C _6PG9%"E"'7]DOC.]SR/[VS=!5O>0*(-%SD5,QL5(IRS'& M(DZA(*+'2]'J9\5X0:0R^1J+D@-)#*C(L6O; UR0C%IA8'P+'@:LDGE&8<&1 MJ[J"\)#*PBU+DA5 1<8HXK":6-?. M>.[K>!/P*X.MV%LCGJ0I^ _!/5>@W),Z MKG,WA8N()&' V19Q':W8],4WZ!5O3*JW\E2X?/>\PJZ+KNF\[OI=&\;BY+$,+%4\Q+ -V"%GS\Y _MK5Z4_ MDBSZ2++Y!Y$=W(G?WHE_C#W\H8;$+8U9 >C\.Q/BHNL>:HJ!H= C8!->7MFC M08 W^P7NB'*'HZ%&L9MW:8XU#A#FC@3\)#M)80X:8XTVI +XVTT"@F%54 MUB^S];8#Y]KTV5?^J3.>.1W^2 VH>I[\HZ^GVQWAZXP*E,-*2=F]*4S>3TQ M:D.RTK3$1R95@S7+5 U9X#I [:\8DSM#*[1C. P+4$L#!!0 (#6";5D M>H^K0P((H& 8 >&PO=V]R:W-H965TU&LG95-CYLP M$$#_BD6EGG8#(5M"DC)ME5SV"I*MNW9P0-8:VQJF[# [[VL;0M,J8:59()66)MIC+W524!$Y=4 M,C\,@KE?8LJ])'K6YE$HM:,ZOQ0@Q+.=;$CL!58(M&*3:$K"Y'>$!&+,@H_&[8WK]EC;Q?'RB?W6UFUH.6,+\HT47L?? 0@0S7 M3.]$\PVZ>F:6EPJFW!4U;>SDHX?26FE1=LG&H^2\O>.7[AS.$@SG1\2 V2-MK0[,"5ZK*-'.7V!>RU-$^IR=/)QAPO 8F>)"!:4YV@E M)>8YF&/7*O^\VV!<'&^6E'6[>T\ IM@AX%UX5"7S@!\F^^;\QZO?"DMPX'6NH M1F@2W*$P"*<#O$E?[L3Q)E=XE\]\0X=7M.&$'BFI,;M4=0N=7H;:[V:I*IQ^ M()D/0X$\@I>\?S>>!Y\&E*>]\G2(GNQJ!F@<'&;WXW-MM"*BTO\? 0YBO"5]R&F6^Y+7JWQ=K)UI4KML&PO=V]R:W-H965T5(S=I4LW^W M9&YLEKJFZ;&+K*&/MK9B5M:G14\:%&=G)^>7I\LLK(^>/6"GWVTKUZ8MJG* M6G^TRK6+16;7KW5E5BV$@[^@T_E;-[@P'IR"(%WIO,$,&?WW MH.]T56$B(N,//^=!7!(#T[.#.]X[[272>;TG:G^61;-_.7!DP-5Z&G65LTG ML_J'JONYPGRYJ1S_JU;R[O73 Y6WKC$+/Y@H6)2U_)]]\WQ(!CPYW3'@W \X M9[IE(:,R3=9DKUY8LU(6;]-L^(.WRJ.)N+*&4.X;2]^6-*YY]3ISI5-FJCY: M[73=9,*KNE#W(B9\=U_.ZG):YEG=J-L\-VW=E/5,?315F9?:O3AIB!+,=Y+[M55_+JN<[5GVJ/IBZF3OUMBYTT1]_0CN(VS@/VWA]OG?">[TQ8[Z!7:K_OIVXQI(;_<_0AF6^R^Y8%K/W#++]SZ/]D>:B\CM9?[9O]_$^+^5<_&*EE8 .5G5.?>GS^_,8IG5:_YT]EP9 M&[Y(Q_EOCQ31G*DE+:.U567-*UDS,4V9*[=VC5XX>ER0]=GU6'VF;Y/YSVZ> M.[)$QVZ)9FH,>8&*7 NY.C-M5IG5>%8VSMNOMO32/&N4KN=9G6O'Z[5-697- MFGDU;6OV41D_X:V7MCA>9I8^.F$J>(EW%V925MOD3M8T?3:IP%B:WNGX#='R M1UOF7RN:><*:-U*5SFP]J>:.2\N4FMP@G;*X,F:ILK8QM5FL.P8MJZQ!1%&'7DZW[T\^ *KN MP_IR'8:FRNT(W4BQ)-UG2V(-I)G==Q0S%04M"VKC0N&8$3-=3'3P4K\0F;((Z8OQ3%:;4& M,9BVN;1F9K/% DMB@RP!^E0NB/T\7)%_+$$TZ8=!S$;PY=DW585>I$G9U'E[MF9IGMH#LCZ>& [(8$G,N0$?3R0V;S.3OW=#;A*+T*8R,6:)GKGEXV3GT.@A3# M^23[<^P]C' '4AGP++O]Z1UQE-Q6(4^"XX(M9+FG%]R!+MIR0?:3M479\&8H MTM6RK3 %?9B6-2D!U!=FKMFVB!/$[(G6- 7%P!90&:_ZG2==VI(F M65:D3%Z3H'9YKI>-C 7/OM1,R#W6<5'Q_WY[^S&HOACUSU":,9?NL^=>))5O"G!H#+C&YW["<]XP@LH05ZU!!;47%MR!&I%;Q;$Y ?0 MY@(U$)=S^(.ML;K3MB'=I74$Z0:)UZ;1JB@=_ !FY0=(S? T&1XH@G+IN M:8'!I?8)$>Q/Y-VQB"8690-_^_6$6;.XP>8DK?)D\<&6Q%'-7P!+P>?3?B[M#RZR8"-^!YW." (D"@TN!*9QQ"+Z,-6:G!0Y/M"P3V9>!3>=P*UP[9,F>VS@ MAP"TU=G\7^,B*XJ.'D,O7[QR_HB6T1"L^?B*;]O,YZHD1?Q(9<@!OKV"+ M\"FKN8&DS0H!Q[435Q9E1JZ7XM]M)2'"YF%,F N#¥;UEN7C@3KZ$$\A?9MXJ M\]29[(BHI'A$/K-YHBEX.'#AEZQF)ISQ6L1^?IH(8*S>"\?-DMQQ!Z>V8$Q6 M4^8%OHAR_6O^^G"4K(*"W>\$>N1Y300Y!T*A+M.,XM? >+5,G*SP-9T$C@1* MY^V.-#MOK66=S(!+L%5QMC0-I6(R@O0U+E^RK1:Y !E:$MRD'D+T@I.:\ M0:(4TH2P1\MZ/N#>$TKP"2#VJ=B(?:#FDWUOU1C4FQ^A03%[AN3?U7W2W MZC<27TL4704C2? 5.3Z=*1J;:* [:8W5-A,HDCB=Q/,GAP<#4!T<;8OX;J47; M &8PA8XBK&95J^\7I!0\=@2KSI84V^%)"8OT)^!5R0H*H-AL.)9[, Y_AOK M(*DH^::?!*TMJ48>W8I^Q9!,TFLQ$O 9_FTB";9I]- P9N!&Y/HMF5?C &) MGY;,,6$/IMIZV-8E:VDT^>C6?BK6^6# \-UJTIO.KNFC-5)@8, ']0W*1-L$ M7#.%"YI.WS1]=#0@X_'/9%"@[8MCW7[K" !RB/\,A,B:X] !=8."=(ERZ3P MPB\SDIQ UM%Q'0X6SK4+D0\0,J5QD\[M^^#X?1;_2%11(XG:O*]Y!E,!&993 M -I.W@1 N[F[GQ6VU16_P$(?JU]+ O1%2-GNLF79<.QRIK6 \7>9HQ"=T[^* M'$?YD%5Q)A+C5]UP&N'@O@CWTH 5Q/-8G9^- +PA%4^H"Q+$34+'66E&=Q^KB MZ?AL8] 6IWH1A5C%CII\)\U!6,9YR=5Z)GZ1*9]69N4$3R4!!"49.9 ' &7 M1020J_(KU!V9C8&FM)+X8I&?7<%K2@W!DS 7#'IV<*+I[0J)*I2U7;0BKD(C M(6PX:,"M?6,U)3H?J\N+F '3CFU(88S]RH[BY,&/59G3\=/XEO,1:? ':3. M(^K><6<<'K!6ISN944K=IR$5U8SX[U4KI&OK^8E94%X12^00?M2 M*^\L\L MU$W(%G6 (?2MHR_<5+ (OJ[*;(+20_ ;I%@$-$,D%%GJ"4'8,78)[X,LZ,8 M MPL9B +!$.!S@FNA>0E-6DDRL!$N-8QU0CF.V:FQ(9=H/1?EO8!DP7UCW2BA93 G+F-JS4DWZW!!H:R2T9* M! \(*#LQ 2(GD]HX!E"" +2#$2ZK=.IW>, [

^Y@#3Z2E3'/?O.U-MFB6Y=P@5EN09!/]><(%*>2)VX$\=9S*8],##]9[]UQ [Q[(2#A=&_2DK:F;) M>0(5U]}7]&@VO^$NGH^>KS3*A2]LHF[Q)8&R=V3:'9@],*6.?_&ZR\,!X#S_M :#8
8K@=S04O+P1).93:S9@O3:S^44(:.#9..E]499D^50RCN9+7'.*';[J M6&#.U#0C)O;'6;DCN8XDQ0{OL"=T=0XN-455F_Q&3LT>%7LO;HN3A(NL4MA
MG)]!D1>3$WSC(C3_GE"5\G@Z^34^S_MR*G249Y"D>(X/<&86':3NCMAW?G MQ>CSI8-%([&&VU]\A<%_7LD0+/WF-(K]CR9Y .R%,$R'V'5H1L MWF I0YO>B>=#Y/W-W1Z:1MLL
.&4*06AXZYVIK51AM:DEB M)96D+:S\G I!*GQ!!.8.FS><9*EVY7*9<%,"LI7]2^I-YB>K1~EOW4/?K:5&BY@A6' M)'G]2K5&6VIH6GM)ENALF:-T;%G:I@O"POJ M NW "+&>
[':M/3E884O&DI1(1$BXU-_[L(DUQ$@-2X1V[BN/[FWI\ M!.^$74NVK[!F:)Y^_IB C0]+W)#IPC!?&>+&ULE59M;]LV$/XK![4K.L"59=EITM0VD*1IMP]=@F0O'X9]
MH*23Q84B59*RG7^_.])VG%=D@"&+Y-US]]P+==.5L3>N0?2P;I5VLZ3QOCL> M#EW98"M<:CK4=%(;VPI/2[L8NLZBJ()2JX9YEGTY=V/C6]5U+C MI077MZVPMZ>HS&J6C)+MQI5<-)XWAO-
]Q9XC?Z/[M+2:KA#J62+VDFCP6() M2TY&QZ<3E<9*EVY7*9<%,'LI7]2^I-YB>K1~EOW4/?K:5&BY@A6' M)'G]2K5&6VIH6GM)ENALF:-T;%G:I@O"POJ M NW "+&>
MYI\2*'OG3;M1)@]:J>._6& BL*=PE#VCD&\4\N!W-!2_"*\F$^M68%E:4+C MET U:)-S4G-2KKVE4TEZ?G[=%PY_]*@]G" .1.UZ0N6S8;E!.(T(^3,(G^"[MT;YQ<*XKK.[K#\F;G4OYUJ73_$7 .^Q2&&
<#R+-\\@+>>$=Q'/#&KZ3HX.^3 MPGE+!?'/4W0CVN1I-&Z28]>)$F<)=8%#N\1D_N[-Z&/V^05?)SM?)R^AORH=-M+R.,1BD\9GRAX:+TID.+XU&,[!\@W!FVD[H6R IM%B!U-Z @&LL>RN]1
>7 MO2T,JGLX65C$ED%7TC<@N*$*TI$^Z"V1BM5\"UUO7"(BG%4CR^:>&<$8%9^] M%S^#=*Y']J VE1!/CC\E T.LPQ<(RBV8&I6,*EYK[TI;\@(N69Q(5UTUM0U M6]D7 >)}\0AP):P53)_L=5L:?
*RA'U9T'A%HB&WP+>3HZ@!1.E#,$\/]RY+ 3EKU[1;+V M8-Z].&C?T\W.AA2M-!B2UZ%&#'0J1&6 M@P]?I*7+U=)B<9D2[^7XP?I> #JDH1(FU.^C[."Y9(1 W M;GD%'GL5$;/_ M0KZ?->"}>-
)"EH_P@6-A@IO#[7B96DN@0=^2XB;ZS9BWI"YJEQ/Z9Y6BC\Y M1'AAC7.$,$]*B8/FC;$\,JNBB_VJ_A1>-RN@+A,]FHZ!)>+@03TO[V.7[EM MMAWWNNL-!(}A-
#;A&6\]'%3C>"^4@4BN0C.)67A0*P,3^RO46(H.7[6#L12!!E91SWMX,?S#(4 M'VPZ@ILE_99>IC#D<,C@PC=E"J'@4EBON4X)AK2I.]G<7.'1D$'/&#"-]^/U M,$("Q*.D[+S@.Z 3LHJ-WA(G1B5VA_
3^_J#VI@4S<5%+?WVEM&Z,NTT<@% M3B@,/.CNY,0ON [V2]&B, NZZ7]*^.I<$'A8Y%!+,)(2!O[@:YXTVL?2F"C"D+1*!<"'RIH%*VE3WW^AGN3 M28MV$>8O+FG"C$/*;C9./,Z'WX5=2*H-
A36I9NGA00(VSEQQX4T7 MYIS">}J:PFM#8RI:%J#SVAB_7;"W> [_P)02P,$% @-8)M602*GZET M&0 LD\ !D !X,"]W;W)K&ULM5Q;<]LXLG[/ MKT!Y4[MVE2Q;ON=:YX3;N9,SJ3BR=F'4^>!
(B&)$Y+0$*05S:_?_KH!$)0H MQ9G=\Y)8)*Y]_;K1X,N5J,_:A=:-^E86E7UUL&B:Y?.3$YLN=)G8L5GJBM[, M3%TF#?VLYR=V6>LDXTYE<7)V>GIU4B9Y=?#Z)3_[5+]^:=JFR"O]J5:V+?
_FBP8.3UR^7R5S?Z^,+\E-.OT["*%E>ZLKFIE*UGKTZ MN)TI?S,Y10=N\3^Y7MGH,X6M3(WYBA\?LE<'IUB1+G3:8(B$_GO0=[HH,!*M MXW*O>FQ>45N'+?U/0VIW[-
ZS>)S:TR,_6IUE9732*TJC)U+WS" MN_M\7N6S/$V]1MVFJ6FKJ]_FZI,IC375AWZOXY>GC2T*.Q]DKH%O)$%G.U8 MP#/UT53-PJIW5:.S?O\3VDS8T9G?T9NSO0/>Z^58G9^.U-
GIV<6>\6^J<'4Y^2HDBR=:75[0=U M9VHB^B$:./4O-V=GIR_N3+E,JC7_FKQ0IO8XOG[N[9B4S4DJ;1NE9YQ3/5 M9FJ:/%5V;1M=6GJ+I$JUY?G:)B_R9LVR/VLK-AH)/^&MYW5VO$QJ^FE%
M2: ;,%N::5YL+W>ZIN&3:0&YH>&M#F]H+;^W>?JUH)&GS/^1*G125R,R%+3ZAHQM/M=$XFC8, (3+TD7)$^R?XSFVWW\,;1K=+JH3&'FT#PB M'I-UF^#T9JGK5!/C0?"\CNG#DWFJ)UFR;-
^)?;/,6N:UVE;$J%8&HAUM&A=_M$_?_X#7E8ST>A34>J5EM2C?',K$D1]]HYISW"4M602*GZET M&0 LD\ !D !X,"]W;W)K&ULM5Q;<]LXLG[/ MKT!Y4[MVE2Q;ON=:YX3;N9,SJ3BR=F'4^>!
MY.?NBJQ4CD63?!AX47A#'GU35*@A#&0(;XC!J70902X_M)C6Z8!,;CR84I:90-B*!EK'NJ;&QZE?/2%&+G7E.WV*%W&,>&Q3U[{>WG[JBX4'ZD94F3*5[MS%_.R6!
[OSU2,#IAJWL'GB8%,T10K(SX5J=NP D/> ZA38N6((9:Z)H,EUI1 MRXR(_("U.856$;4?M7)V(V@U5G>Z,DC7:!['RI[CE6FTRG(+^TMFF_0"KT'@ ML"(PIZI:FF!PJGU,!/DC?GW21-+!J8@BFI8
M+IZ/!OS-.4.9L!%&?\ZI[,$B@085/-'8P]+Z,-2:C"H9.JQA\'+:X:K5NA MVF=-]J.!W0125Y/3X_\;T;H*[Y30]?[=`3?0T[]%ZSZ[&4Q[<9EUBQ)Y$1VR M'AYY.X@MP@:N%-6LBX2-
M.,9[E",D*\M>WA;C(.O5]_%CHS.8X2<5C=/PE-M7$V/V7%:F<;&9 <"(,&CY3.9IYJ-!8$@@=$[O2++3MJY9)A/@*&Q5C"T-0[&<]"!Y#=/GK*L9Q3^((#TI?&OR M6*0O@ I,Y!6"FZ"V?KW%NO[G6A-,TEO=C',"'R8S6;XG^AQFJ/X[L*CN]J MK^/[K D($_]\;TSZ5=TO"=$...;D?'D3]0F+4$F4NO;+&\]JG,R%'HB.$'^IC M=44DTL#V)YD,.#@:$/CC;$[6\DGFT#>,.4LH1,.*L?\CG M.J?
$84^M27X[^C'.:R.9$@,*4",OU+1-P%R36:]Q]*;IH\H!'N]#;]=!$# W MRM\Y"*PNR^6M?2=)>@-L#(D\/^Q5\(4DP1T=*UONN'(UL)4 M+42A&*580HZ?];#(^\!. MHFF
RIV8F0U"+5KY5)T &T\V.FUQM <.B*7LB\D]TA@$5ZV3L$K/Q?7QRF>.% M65F!S%%42W%O"G")F,%#7XJ!BOPK+ F",0.>,B47@TE^= 8GT14$E(2N9%R[M@Q)-,U?(G4"IVK(5LH%(B;?
>JS>MP"706AJ,*9V(L%5\K0LM]R+Q9\$%/?LNB(,6?M:I(5^_*]WTPX/TB%++\S]HP[5K M4&C8&IF-C>=.15(+QL'7)FS/NF1L@/98,-E<+-K&FS $S9/7$ M\FCQ6J]J$D'G({OC ,[
.,0N*W&HUH.$!^VPUA&*E>\%/!P AG"0M*,IQ-3K M,R+[*,0R9*>V5S=%C%N0WV-) ^Q.T,<$O9?8$93VN3J<'*D/&:0>.%P[2GA22-28HA#A*9N-AHCW$_:1-M:,*JK
*U^RWNV@13=Y=\>!*01D*R'2#KQ=V_M=D"X5!1;EO62=@O# MQ$%*R!0$D]YIPC_,"OF/DU' MSW3C#4D$,B"QI+MS_$\8,#.38D=[S)74%)]+RT#B[&&M)"Y$3.#!1, 7F:P6
MZ6"3(FAESRFI[E1.?!#M6VO(;S3Q@<_/>4V2@T7:P;HQ8, XMK*FR-6C^ 2MR;AQ824.5+-T2X=\5S5RY)G\'VJ4X3A$ NU =5&*HEP:,AC^0IQY7K\3(,U))]D*= M)4KH<
6F\)B[HTDS_QB,,;G"J0+,PX0H[,I%Y,MVv>U%X\SDG^@A;]_$S/ M8@[.()+3&"Q\T.0F;H&\3\&A._Q8Q5G+BN)XA:!YVG@4NDOD_BVt\UMK] =O M#^U1Q%[\VK+:'S@Q59!(DP7IJXW?J=W-B[W[]
[8ZVV0-O%0B$!JFD,&;18".+ M.AXI$TA=:DK,UJA%;,..(!X/5V0&5=7 M!&"P9TVCO2OR-GN8=/T3\VBA=L*^_B ?!34362S/_4&= B(X9\P,2MI[19> M9SM6R,N0"CA)>T?
[1*8B@(72NQN;/L'YE?$L489+T8MYN]AY='/JORA^YG M%000W9$*IR>5E*%Q#HS6 M;/**ZPOQ5%!HEP'W,V3=,*_ GMS&4(F(A*!0ZM(T)->W?";U",;2B5:M\W** M-*IO?U%CL*I@M1$,M-
IW!GM&895YI$E.X" ,;3A62HR(071$T43D G9K,L. M#&^YSXU.90>23E+NQ_'WY@98P M:LB['NU7Q,#83B>WM7FC$.,A*=J %@96W0_]B)\91<7N-%^.5$8N>\?5;7PV M18N?(?
D+N#G:G<&CX'.1+Y?^O()0458(,/=2#KK664=5L5$A"T*Q?"[IXDU* MVV2!Q ME.D!Z.'*6"PPSGYMEZ*54ZN\X(XK,N MR,0Q>D0XA8\F\F\Z.Q;0$=YT"_5+Z&C*V-TVT2G7=VGH!WL,
[3KD1+T@W0TL MD,>-O, /-W`JU&>YRXQJ23 Z:"[*IQO;A\,[E@W/M&2>Q0+Q69FKLXBZ"T.C MO3LQBA>Q54@U*!*AQ'X]'MPH5*TS26SPC/X0&OE\QY?Q_3A"E?Y,O# -E$)9 M4?
=A!"SG=WA3\@SN(/]QIA6:%NT]_,W)6K?]9S3M_0G[XH^?WMYWY.,CV M^\)]#+M@T?5[L"YRT.R.R?L)!G'31Q@YD18XSR+KW>9R=._R>IkDVR8RTPC5 M5HQ<$!?ZZ0/FE)!_X)S-
N0.=N73+4'33F3A3#6I/'YI%_LP.'^UIO[\,5FY MZX*XQV^'+(5]M&1V%P)\4H[\/[XNP_^6HH=/V+6&*E)?&O(:B*.+$N&Y M^\WQQ7?E$\SAKQVE$.34S&?V78<_F]
[C!@T5WV'_Z>9\NM&$G;;I#D;*U+X MP'6S_F27%Z;(K(P0GG%&R=-;J-+4VN>4/,9&RIXC="G52;A8IX\@>9"PFV#-_MT_0UMP"K6/[E]DS(":+GD&BKQ/7!?]Z!O!9Q@]@3>MOHB9@[]
[3'VAYTFZCMPK MT/9+DA6A<^JF"+*#C'):75QH2PE/Y14VI"-8I\YXE(%:TWMZV*V'&A,GV-NB'AY MR471)$O'G,%SE9]K5EXW8P-]V$JW>=?4I^FB\Q 4_M6P0Z+Z<4,'CP!JHPZ2
MK/K>6=*V=]V(\G8B8)2YU\!L<6]"Q3\ZSAS%5TSZL&\7W!NKVZCA31VW_J;J^ND"%W>CT O}? MC,XOG_'_5Y.+)YN$F9Q>J^L;FF1T=75%?UT]<6]&JB)K_E3=7$]XL)NS:PP]
M.CV[I\O1Q>GI]W<,<^0*D00$W0G)QFF0C Y POB0AHO-HK_?R? 7V&-BG1P M4.$O>:!SG3](.K>M"';J'J+^^@"2KE"/L)%V'*0$/Q > MW6.N29&2WW&E98N[M'S)U2%^[>'K@+(R136Y=!>
(<_./XE3-K&_']S@.!NWT\O;FUJ";!$<"2=P<V1 M*$H=\]\D6840(2AQ+?6S"!3?N4&> QTQMS^:ABW.(Y;)CWGD"B)%?Q=]3+Z)$6@-/_!\6IEU5Q=QZX&I6LF%/ M-
M3_=GMYZLOVZK;XO/G[[<8ZG[R3.R!.8W?5 4/%+Z'H9Z/3MX[\)_WM-SX:G'J#84W4UN6&C MIZ]B/Z*L4)(A,@M]?ZAKZ/%B ^[CR%E@RSUW;98ZW(C7'Z< M=S6JDM:1:A+7U4\D3RM3'???
^.*2ND6!>%R-C];8·!UX %*VS.XSH?@2=#9>ZUYCN?E=DE_)O=SN#'2[D_K3Y%YNR7R)SM MJD%7VT7HRT3)2L'.":.*%%>GX^O?>5Y'W#Z,\D03H-4O8'63
M.NRW%7PLMNI@APL1_# ,!WLA#XTTH]Q ^0:([;R/SU10,+?P=9W8X0/Y,9*8 M8\C3&+E6NZ?N=G+:?>/D]#M%LZD46WP@Q$R#1]=X[OT9%0&+R]"F@U-3@]\Q M^4]/
ME!@1HA7/X*@:NU]O=!?3+CW=_O?#)#9.JGMEP2K*T,]0LY@O!%CGL\ M:II-^Y)J_0Z*[W]O44[2H=J+61/F&B.$/&"?.B]<3Y%%@*65NI<^K$3L8O8(VXKNWN3[4+ ^(#96O3&0GBZ[=?
\F^@Z'2-O] M%QIWS$,>$R8.W]N@Y^Y9)T3WFLO<7*[?^+B5T-P19M=G!X[5Q]*OD09ZKBE M&3/}WS;W62W@,?E7&QT=]=>N?@KI>)D6&"%S)2?RV7U;C,U]W)=6^\T38X MJN/]'YR*\
<7@[C*ME4O.@IYFN'0;C/HD7%2.Q_S8@8\\ZG2.01:&[JU!RXG5],21>7 M/^N$JS,LL%K27(_Z\L,<&"EP! *G4"TSEZ2-"YDZ^6EH5DZ&P/<0L0C4A!# MWU]{0@E;[^,),S:/KASXQI__],$#[3]_I?
4$L#!!0 (#6";5FFKD)3 MSP, *,) 9 >&PO=V]R:W-H965T.[;N04-&/68F;FMF(QXY7*,P9;0615%%3\LX*H0=J&_E5N#(Z5"2K-F,\Z(@,/<6GH/JU#;&X/?,SC)7I_H3/:<-M?]>#QV1NN9H0Y!
KC4"Q>8$UY+D&0AI_-YA6%U]NA<8S67TO M*U0ZMZ862>! JUP]\=-OT.1C",8\E^9+3HVM:Y&XDHH7C3,R*#)6M_1'4X>W M./B-
@\]XUX$,RPU5=#*$3_2MD8TW3&I&F\DES&$]*3LE<#5#/[5849E)P@]D M*T "4[2N%4O(KMXFO;,+CBP[9#%EBBSCF%=,9>Q(MCS/X@PDN7VF^QSDW/W^.S\}\"[]"\)V/7)K[K M!U?
PQEU]Q@9O"_K>4+I_+O=2"=337T,)UWC!),X^8P^R#*,K5)77+R M7C_MSHOBY)W@!5@<!LTP<T3C%/<;/VJ@,_MQ%-R5\,>)],&+!SE,V_D)AX6\&3*E9D@<LY+_%<*[+&O==U{(AIW;6&?;(Z
M&94*J"T8TB!%K1O0NB&XZPJ*/8ANZXTA=L8V.8%/XE .5Y!\F"T^2?$*T"M MX?\$'-T^,K3CE<2@\JZ.KV.?>Z,W17]#)E& 7\]V JT&]CC\8-K("T:7A?'< M"9E,,8@=11'VHE&S8A.&M_D-F4X\
S;U)QK:=OT0V] .7)=<$5O8B2U\]]B^ MXC]"'Q%=]'7.I>ZO:$Y9# .9R^5J)]N*0R#^&[$?7&#;YQO99GF·!SY/2/A=F M*26@AX;=P &$,)8FR2&U7N4[K·9GW%[>8Q\W[/<]]AS9TY:JZ+&O6O:BSSYN
MV=,$^Z1E+UJE&^17=+M!N'K6LQL1TPL-7TAN^2N]LE1N26GE:=>'HD<7X7)#@W"90]^YJA49C^$YP;#CU0L1L2>5,C]"'B3XL?X>?]NZGO^1[O2'%.[T?)]Z 1_\
MD,34LOZ'=K/="V19_WC/YO7SY0L5QXQ)DL,!7=W["8I1U$^"'>J!X:7[#>Z[P MNC7=%%]1(+0!KA\X5^U !^C>98O_%!+ P04 " U@FU9%N/MMU4# "/ M" &0 'AL+W=OO.*53 MM4F(A$!+H8
$[.9-6K6]=-O#I^_!) =8=>S,=LKZW^_LA"SM@.Y[^5ZPS[[[MW>_N?#G&6Z4?S ,1PL],2#,)-M,FHS TR08S9CHJ1TDW*Z4S9DG4Z]#D&EGJ MC3(1QE%'T'F:,RV Z]F>W>CI6A156HWD^_B
M@!17K!#V3FT_8A7/F<-+E##^%/9SW$2A,J/R WB"'T.\GDO-EA-72=A'&Y< MQOE8Q!EX>M#5R(/CR!^"1N(O.>TBK]]#@1>$=0$U MUT<0=U'H6_ ?5Y%ZV[#S68]FS@DQC/(OI-6
6;X\FK,>,4D>,,<*#,_OQ5(]"3@E3^53..A\)?K]Z?61,O989CF#J9F9!B#\[LQQ_\M@?=378K:A5MPA8MP$!U^?D?+][GITW8HB7867[Z57[ZM^;G@X19,>O25++#&EF6V_?W,
MZWJ>/QA.W/VIUHT^,]6Z3=BB)=B9UH-*ZT&CUH]8[CHHUK(\ON9DCZG>Y*3= MX/3"]J(7K375F8 X%WH#@[J=Z.'1PZU+5INPJ(_-3N9&X(>>=SXS%I>]PK%-
MTNM,V&$E[++16+T'Y&E.L8+$',ST)E"[R#1",M6N35A4P/HGJMSUPN'X0KV6 MG)Z)/*!$'C6*_$4?LLTN&^.,*$SK!&X$W"IPF!H=*&P/QY=R-N2RS-YQ6\ MX_]*- [WVO/KS&##$2P
2'T$B*J2AO]#*7F^L3YS^NS?B%Z,_96U4O: MJ5*O9(I:=,AHBU:H[IZ4?RF(K:V[),)G]*(2K)Y6M?W<5K3N]^[%'P.?L-@2 M)A&%C3;UND/J^8]BUBX:BF>VF%QSI4M3>[L#G(P'?3[#>?]V#
.JG\\9O\" M4$L#!!0 (#6",5EDNH 560(+,% 9 >&PO=V]R:W-H965T[#94V4KN1J 2B:OEX0#RXR4UJ MS;&#?;MN_Q[;2:,BM1,O\)+8OO<FWN[121XK*6R4[8E:L919/,M
MUMQ>Z@:5BY3:U)S313%EL1>$$G/R#-S']O 6I?1$3L:OCI/U6WK@\?C M_CYX=UXVW.*MEM]%0=LI>\.@P)+O)*WT_@-V?]X\7ZZE#*5_8=[DQ@WQG2=<=
MV"FHA6K__+&KPQ$@&9T'!!'T@#;K;C8+*.TX\FQB]!^.S'9L?!*L![<0)Y9NR M)N.BPN$HFW,K+.@2E@8M*N)MK50!Z[9-/K86E1*ER+DBF.6YWBD2JH*EEB(7 M:.$"9D4A/))+6*CVJ'B>5W=
(7$@+R>M)1$ZNW3S*.VGS5EIZ1MH:FTL8Q@<.(MXW3T)SQR+GNK:6\U#7RC,WPK?$"UPP<)_6X !-$*MRA,\;*:H@>P#O'AMW M:K"
+Z+V>;X&+F1+GK<):^*&P%417QS$2>G/#ZKR5^YL6UXCE/6^ ;8 M!V39RQ?)=?SV&$ M P @A !D !X;"]W;W)K&ULO5A=C]HX%/TK M5CJJ6JF=?!)@"I$&DM56:B4TM-V'U3YXDDNPFMBI;:#
[[]=.0H:$##*([45\@ M=LXYU_>#FUQF!\:_BRV 1#_SC(JYL96RN#_$6\AQ^*6%4#5G0WC.99JR5-3 M%!QP4I+RS'0LRS=S3*&(1S,J]%0]F;"_+B!CA[EA&\>-!Y)N
MI=XP@UF!4UB#_%JLN%J9C4I"D300:QU!)8?>UA"5FFE=0Y?M2B1F-3$T^OC^I_E,XK9QZQ@"7+ M_B*)W,Z-B8$2V.!=)A_8X4^H'1IO9AEHOQ$AQIK&2C>".?
M=2!."$JGG^#4!*=+\)XAN#7!O=."5Q.\,RV,.D+INEGY7@8NQ!(',\X.B&NT M4M,79?1+MHH7H,I0UI*KNT3Q9+# @@C$-FC%00"5N$H?3="Z*AU];TU22C8D MQE2B^SAF.RH)3=&*920F(_#
[4W!(!$Y3#FDEI78>8]T!^A-"!*33+Q5A*_K M$+VY>8MN$*'HRY;MA+(I9J94/NF3F7%]_D5U?N>9\[OH,Z-R*U!$$TAZ^.%E M_O0"WU2Q; +J' .Z<"X*KJ&X1.
[U#CF6K_6<9WD]W>USYV76H]_MO14,MZDN MM1SG].KRN**$J+ _W]24F@CQ)R\4]?-53VO'Y[NJO>B0+!,#<#<7<]\#T;P
M^I7M6Q_Z4C&D6#BD6#206"MI7I,T[Y)Z4/]XZQ)ZX#0K/06/++&;5!T3EHY%E6 VIY.&H\'W%T<,59LHNE*K]}>E(6 MZKDGT5*U -X>6\=NU>?Y1=5?+,XAQ<(AQ.*!Q%]J\9O4^+^Y8_A#)FU(L7!
(-ML6@@L5;2QDW2QB_J&!5[=/I#]U.QSC'V);7 87GC,\=33L=HP?DVUY_QY@T M'DZNZA@7FL-%@5^MLR'%PB'%HH'$6EF8-EF8_N;F,!TR:4.*A4.*10.)M9)F
M6T\CAO6BJE#36\\+5N=E8=D#&D_<3G_H 3F^[W<:1*^4WVD0YLE,E0-/RV%6 MH++4JA?@9K<9F. +,;&SO[#OEG;?]@'[*&>Y*OIO//F*>$"I3!1FR;L>J ME_%JX*T6DA7E1/?(I)H/R\LMX
2X!JC[&\;D<:$-"\[!^\!4$L#!!0 (M #6";5EY24 H@,.%4. 9<+>&PO=V]R:W-H965TGHCSDY#?U!Y H^\YXVKA[;4N;GQ?I7O(B;H6!7#S M9BMD3K29RIVO"@DD*X-RYN,@B/V<4.XE\ +92B9S<=",X
\8LDLGCGQK4:SAM8'?\A/Y' M6;PI9D,4W GVE69ZO_"F'LI@2PY,?Q:G/Z$N*+)XJ6"J_(M.]=K 0^E!.9'7 MP2:#/G/+]EWRO&]$),(7V!^ ZH&R$7Q&56=X339Y%"DZA7/T+K:)_MN37>
<;FE*N$:W:2H.7%_^ M0RO!:$!!H:ONX@=>::?$V1@AH#O!M33M1TO"'$] P,4],$*9ND0?$.7H[[TX M*,.IYKXV-=G,_+3.?UGECP?RGZ%/!GVOT.\\@^QYO&]ZT30$/S5DB9V .RBN MT2CXB'"
Q^AQ?8\N/EPZ<$=-HTP4M^-26,@]\<*8Z;%,!1"7 /;'Y,H MBN;^L8-^RQD]W(YH62 MXW/.<-I/.FE()TXM//(-90RR%[0P^0E:F#8I3M^KA>E98W P&O=W9M,0SOXW M,JH$;I=BH*!'K4>&CK}
[TWRJ*&>Z0,/R#-L+3)T>^0KY#$^ M/Q?Q &WKD6'T G$PP7=7&F3>+P^GY?ZH/%I/#=VF^AIYG-MJ.-"DUE5#IR.^ M31V3(X]PTAPY%:YGAS*F->]B"<0K[W^0(_O.(?3@']0 M&KBU5^RVUU=(
Y_[ZV3 UG'KKMCIB& 21@WU3!N#&;2>B=V^>,(X.H#8(0Z_ M\Z6?@R5]QF%RD+ZJ. >=KF'IE=8>I M)EH4Y,UA((2YA93#O,GW@;0+S/NM$/I8@F:FV3R'U!+ P04 " U@FU9 MQNO.0Q,$ "-
%P &0 'AL+W=O" MUOM2\G*>)^?QL8^?>K@3\DFM 33Z%?.$C8*UUINK,%3S-<14M<0&$O-F*61, MM;F5JU!M)-!%#HIY2**H%\:4)<%XF#^[D^.A2#5G"=Q)I-(XIO+Y!KC8C0(<

MO#RX9ZNUSAZ$X^&&KF*^G%S)\U=6+(L6 R)8B)!$I:CX!I?34@W^01WQGL MU,$URJ3,A'C*;KXL1D&4900?PL2(/RFQGPVJ%_7,N MWHB94043P7^PA5Z/@LL +6!)4Z[OQ>X?* 3E" O@%5J013(ZW01S0U,V:1EB+5!E>-0RUD9,E%P::%V=(%(1#H6^,0-OX6Y M@>,,$$O!*KDWMG]);&^+,;V6P MQ SL->B5J?632?+TC\.Z@SZ;?NL&Y3)#9S)?:/R MR6PN,[-3N:>4N^VS=%ITWNO/-P% M^I)L4JTNT%?8 D?8FJB3[>S2>&*K:Z_\ W8;"$!W1;",0/1?^@<<@^'^T-6^Q,6 U<> [_:9&"O+L,7 M6UUGY3/PVXT&/LEI6**.K0:NO ;V9#;7Y2R[02J[0=QVHWFY$>O_L5Z-MAR^VNO=>")"W&0_BU7C+8J&N+/3&\R"G&PQ;48#Q(93S(:XT',6W_)%/L M_L+9Y?H39H149H2\[32+'4DOMCJ68M'0CR<:!0/SJ);g$?D6?FCO+%O1#J54 39.F08LKC=B?C*] M3/WY<.!18>_VUN"5K(QY\L9-.1.Q)X0:"_((DG];O$*M/1#3^#MBBEU*[B_M?D._#MI9RTHZO#+ZERJIFHGO DIE_XJCGS.,51KOPA7XX>Y$**#!'MIAZ#F4&MFN$OG\,RH&#-?#IF3#S(OL9U &G^#)$Y.X6&Y@,.#HW]A(A:S M4Y3L%"4!-_V_HH5RA39>E(/?\Y4CRT/PYSVJ ^3I^Y#^8DQ=*PN<"9Y\AW:+ M(O_ZY>0_O$)X71'./T,/9]ON9YRI?&8JWSLI$8>JQ6!PZ*SW (FWRNJN.OD M[1 M7)P)L,_@#P:0 @S3RA"/9EA6_!:@]0=X?VT,O1E^/G>O2_X*4$L#!!0 (M_#6";E#+*>%> (_.L% 9 >-E^P=V]R:W-H965T M=7;NC92VQ3!![2*CNW#M]N MY5]T-MD+>J1Q D_NRX&KHY%I7?==5 M:0XE56>B HXO2R%+JO$J5ZZJ)-#,@LK"#3ROYY:4<2<>6-E,Q@.QU@7C,)-$ MK5'0%<]"WU4SBS6U9,E8"5TQP(F$Y=$9^ M?QH9?:OPE<%6[9V)B60AQ)VI?5+8QS,.00&I-@P4?QN80%$8(C3C9VIM"8_M<\.7BD+9+]DVNIY# MTK72HFS Z$')>/VG]TT>]@#(TPT(&D#P&!] P@;0/A2"U$#B%YJX,P!V-#=M.G:,N(1J&@^DV!)IM)'-'&SV+1KSQ;CID[F6^,H0I^,Q+2A/@H$56[G"3D^.B%'A"R)1=K17FF!JY& MSPR_FS9>C&LO@F>\",FUX#I79,HSR#KPR6\QP-X%S/2IB78I64<'"2<0W5& M0N^4!%X0=?@S>3D\[KG_ZQ/_JGZ@V2$;8^$EB]\AN^S7%'.?MORGV*/<"4* MEM7=@/4F,PD*>Z86B'6Y8!Q[BF'?S%%{I>VG[Z.%TA+GPH^N]]@=B+H=,+.R MKRJ.PM"IC"VY 2=^^\;>9^Z:O.:9,EKDDU?B>Q!%:.VBM$AJC@!),6JF"IU M:!&]RS:,)=-C+MFX&[V,_M4Y_RQ3O)4]C<'#W6F3W7\H.>W2G5\[MY4*T&N M[#1!)5KKNOF;?MQAK#90?tU/O;[$[]#GN"&JQ? 27_IZ/5Y3N6)X]#5]8KI[YH4=F9NA .)[0]YKBE01H%?%*H7<78Z#=^_$?4$L#!!0 (M_#6";5FW#NNBV0(#'T) 9 >&PO=V]R:W-H965TWV,.W!A4M_-3:S3=+]^]F& MH'R0J).R%[#AGN-S+O=B1RO&7T0.(-%K2:@86[F4U95MBR2'$HM+5@%5;S+& M2RS5E"]L47' J0&5Q/8<9VB7N*!6')EG,QY'K):DH##C2-1EB?F?&R!L,;9< M:_W@H5CD4C^PXZC""YB#? *IF7,WLCB4M2J"B8!1QR,,6M7LU"76\"?A>P$IL MC)%VLS8BY[1GQLA19*(<,UD0]L=0NMGX'F2Q@+IYHI6;.QCH:06DI4M6"DH"]K< M\6N;APV &QP >"W >RO ;P&^,,=HH,[:F6.(XXFR%N(Y6;'I@< M2Z[>%@HGXQM,,$T S4W)3%A9,0I4"O01S57%I#4!Q#(TXU#A(D6?7U7Y"!#H MFJ;H7N, T:3F7"'0M1"@<.=3D+@@XD(Q/,VGZ/SL IVA@J+'G-4"TU1$ME3" M]?)VTH]\.41Z!T3.H;I$OO,!>8X7], GQ^%32!3<-7!_&VZK<'4Y\[J<>8,/ M/R1GG9C[#!W,W\^O"H7N))3B5Y_C9HF@?PG=NU>BP@F,+=6< O@2K/C].W?H M?.KS? R*RK6SX73,\8^SQNCO**FJN<'GMJ$8&@K]8UG&KNM$}G+3Q'Y,./*[MF"UM0:5@0X?O^3M:]V,"S^O7.NBT#HYJ M?602DWZMS-A(VD8[K'RPI\U1{]2$XNOF;:7MQAK

:3P!1>24!#+&)26HC,'31BR,)!,@ M0NL4PSU=X.=)DM06>V ?58;NG]WQ%F.H%>-L[,+_\SWZV.-E@I$W1+T #.A MD<<({O-TBE&6S'[&G5J IU F6DH3/;(VT5.($RW5B;KE:0_*\"0D6"E&)$U" M[,(K$>S@2W=/OI1B1MW24\<7"_&'#&0)?15%@B>H(W]$WP] J45EOAM2Y+JCS8PH1-ZI:[,7_)^(HP%8AXDBI;^&#Q3@)06+8G M9 I(>DLBE%;<5.((H#2VW(I@A<;(66(S43F,]?+\RBYX%WH"[E%3JUM1/ M,GG/@'T"FZ&5;@N3@"(]PNYBQN@G0Q0^.:#,@5NHB<^K8Z&8N8$KNGC$WV^VB MC3^LT53FN6O)56A=?'L4;BJELN[:NRJHW7*<0EQ9*:Z,'C4BL?FVE[5V/ZIWXGVT)4L!9A=')EYI]BW=DI]KCU M^0X+A,#@4FR77F2J9+Q-QLJIE)PI'C=5$OF U4HBK\Y>,6QEA!V&U/@;E^R M0=A.KL/ T8UD1@?AT\7[GW.I;]\%[G[VX>RL]71YNVN_L,!E&'E);PX@O6J9 M"V6V*$:?'$:_CQRC[FY3K[4 VX8TE*!WD+8]TC#BU*/LO!%UCKAU6P>68F\E M+'E4-]2PGTNQ[JLX= 83G10T>"9\$(X(9V/%P"LG!>-+9^Z 82*Y5($V#6WD MM,%2O3BX[6;0ZS5/P814-K:+X'Z/Z^4[P&H& AGGC/RY+HW"JR++=N0G7#O9F@HRERJAJPK3#E6G8YS0'.8I-9W#7LHP MU%H69I Q,I6"6 TKCWI@:">4\P?X(OB1;W$O\HVZVJJ*9F@$U4-'XR; O\GF MN#=IK]_$&Y3L6>K/<[,=8>?0+?1>T9PM[!R1-P(P]C;.3LJ2+S]Q-A4%=9L_ M..'P3U9^P4PJ]F*B0:M,C(&J,'BF2K/)IN67(N4C7>A5.RUR7'/G!#7_W3Q/ MJ;"*\$W1IO>/.,ZX9J*>S5B64?'J MS&7H-1F;/^FV^.WZC.9DSO5C P["]?@;S=B\2)M5]Y"(>M5Z_!6VUTZ.:$[6) MQ41&%S0;U5,U'=MA8 8F:GV!PRYR9R_@ODXS(\ AL7!%& ^S@N+\S_MIX?N MQV&8MIX7Z:$^/=3'>?F0D?U@*=B.T4SS4@_KR!1YKZJXW% 0^L"ECO M0'Q_'.@IOT\<0U4Q;=@3C"-IBB'0B_X>31(D.PE_/7!GI(X3E,_ IA?01QC M"#R-.((I T8$I?V/;CS/HI6[ZEH_7 .X6]02P,$% @ -8)M69>*NQS M $P(L !?3T\$MP>:4#M.*2VBZD8_1!2.5K5N %(MB6/ M:(7->=I3W;+T]!;X"O M.DQQ0FE(2S,.\,W2?S+W\PPU1>5* (Y5;&GC3Y?YVX$G1H2)8%H%R=.B':5_ M'8 M+\'?D?#[.^V>E'W=*/9+OE9!F&AVL/5Z/1J8XL{J:O}6127=FKW1%K3O4#R-S MU(R6YL"8K<0H&8\GHXIR&7UXWXVUT:/P0%E66*ZD:VP:[CE[-G_.X?DB1N^ MXX+;']/(?Q8L(A67O.(_63F-QA$Q!_7\C}+\IY*6BKS02HAI%+06[HSOL72W1?J0*;19.P&W'-MK._AQZ>.\8FYSNU1;=5'+BS3"VK9)ZWJ M(YM76X00SU-7XA#?4<$/4GFPT M,ZZK[^&3>EY7%0WS^!A*Y&-!\2$D2,;(B;TS M[%O=T"V?W&NX7(9 M?9) JDB057'.L+\Y0TS((,E !GD%$Q))\K^+I)OO-R$B9)0$V2CP[1.6(DD MF019,C#F98@):29!U@R,.0DQ(>4D0U8C7Z_"O1#(0.DPU0BY(+D;O0PQ(0.E MR 8ZCSDK2Q[Z/(4,E"(;Z&QJ;\,98H([8$,9J UGB D9*$4V$!C-_G8B9* 4 MV4 YD:K8X@)62A%MQ 4S7 1ET(62I$M=%+?M_>WZT2%+RQ"3,A"*;*%NGJ_ MRT!_"'WI$V)"%DJQ"Y]SB[@7=WH&62A#MA" >9(W,\A"&;*%(,RZJD),R$(9 MLH5 S%[>S" +9<@6 B>]CPD^B4&VT"L%QN_%42T8"1-2!EDH0[90N&WU2E(* M,2$+9<@6>F63**0-,2$+9<@6.MTP.HEHB E9*/,6&G7/L$NVYY*5:_<3QK47 M5!0;39JW=EL]NVQVR?:U$'/7=B=O%2V[1^+=X_P/OP!02P,$% @ -8)M M69(LH):X 0 YQP !H !X,"]?[0YI6ZYS;MQ#2?!WW=>HW;3R<[RR;;E_G\[); MA;:>;^M5##H8C$)W/Z-ZG]S/[,U.;?S/Q&:YW,SC1S/_WL=#_F-P^&FZ;5K' MF*O>K.Y6,4^K<-S=ME.X7*1_GESU/A?3JOM<2!5*!RD$:?D@@R K'^00Y.6# MAA T+!\T@J!1^: 7"'HI'_0*0:_E@\80-"X?) .4<4"0](U@=:"7 N!UX)@ M"X'8@F0+@=F": N!VH)L"X';@G +@=R"= N!W8)X"X'>BGHK@=Z*>BN!WOKP ML4V@MZ+>2]"WHMY*H+>BWDJ@MZ+>2]"WHMY*H+>BWDJ@MZ+>2]"'WH=Y&H+>A MWD:@MZ'>1J"W/1R6$.AMJ+<1Z&VHMQ'H,:BW$>AMJ+<1Z&VHMQ'H,:BW$>CM MJ+<3Z.VHMQ/H[:BW$^CMJ+<3Z.T/A]T$>COJ[01Z.^KM!'H[ZNT$>COJ[<_4 M.^73+J9;SW6-[W\FU?G\;+R]_K*\;J*$PPO. ?YKOO\"4$L#!!0 (#6" M;5F,3^J/N@$ .X< 3 6T-O;G1E;G1!5'EP97-=+GAM;,W9R6[",!0% MT%]!V2)B/)0. C9MMRV+_H",/$A$$ENVH?#W=<(@M:*HB$]]FT2){7=?,.EL M,G[;6O*]35TU? I(4(=@'QGQ64*U]:BPU<61N7*U#?'0+9G6VU MB8C@5:'WO(FO?6F:2>*H\DGO<3>QS9HDVMJJS'2(XVS=Y-]2 M!ON$-*[LYOBBM+X?)R3L9$({[\G/ ?MWKFIPK<^K-M LONHZSV*9B/FPK\NGY M$B=Z-/-YF5%NLE4=EZ3>.M*Y+XA"7:6[HOWSR2'N,.VN_.K\KLRYP#ASYHSU M\<0<71YW.))V]<#&0N1"}?X3CXFQ]-7? 1^UIYY3_,CMN[X=QR^X\/.MNU^_Q MUS,^UK^P#P'2AP3I0X'T<0/2QPBDCUN0/NY ^K@'Z8,/41!$96CD,I13.4H MJ'(453D*JQS%58X"*T>15:#(*E!D%2BR"A19!8JL D56@2*K0)%5H,@J4&25 M*+)*%%DEBJP215.)(JM$D56BR"I19)4HLDH4616*K I%5H4BJT*15:'(JE!D M52BR*A19U7_*^F[,\J__P+7WM-9E<\AGW6_Z2=02P$"% ,4 " U@FU9 M!T%-8H$ "Q $ @ $ 9&]C4')O<',O87!P+GAM M;%!+ 0(4 Q0 ((#6";5G@I+4J[0 "L" 1 " :\ M !D;V-0&UL4$L! A0# M% @ -8)M609+7BR+!@ ="< <]@ ("!# @ 'AL+W=O M&PO=V]R:W-H965T&UL4$L! A0#% @ -8)M6>/5RBM< M!@ EAP !@ ("!7Q< 'AL+W=OP & @(%W(0 >&PO=V]R:W-H965T&UL4$L! A0#% @ -8)M6?JH/3SG!@ QAT !@ M ("!+"X 'AL+W=OA0(,(' 8-" @4DU !X,"]W;W)K&UL4$L! A0# M% @ -8)M6464)6X(&0 7$P !D ("!?3H 'AL+W=O M)U@O<% #L M#P &0 @(&\4P >&PO=V]R:W-H965TI9 M !X,"]W;W)K&UL4$L! A0#% @ -8)M6?VC MV<7#!0 U@\ !D ("!H5X 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ -8)M66K\>.J8 P JP@ !D M ("! 7P 'AL+W=O&PO M=V]R:W-H965T&UL4$L! A0#% @ -8)M654'AXN. P Z0< !D ("! M"HD 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% M @ -8)M6::N0E// P HPD !D ("!4:L 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ -8)M662Z@!59 @ LP4 !D M ("!L\0 'AL+W=O&PO=V]R M:W-H965T&UL M4$L! A0#% @ -8)M6<;KSD,3! C1< !D ("!U\X M 'AL+W=O&PO=V]R:W-H965T%> (.L% 9 M " @8K5 !X;"]W;W)K&UL4$L! A0#% @ M-8)M61'.\G"Z @ P@ !D ("!.=@ 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ -8)M6?6GH%3X"P L9@ !D M ("![_$ 'AL+W=O_@ >&PO=V]R:W-H M965T\" 0!X;"]W;W)K&UL4$L! M A0#% @ -8)M60P(Z]ZU @ YP8 !D ("!=P8! 'AL M+W=O'@ &0 @(%C"0$ >&PO=V]R:W-H965T&UL4$L! A0#% @ -8)M M60\=CUR. @ R < !D ("!+A(! 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ -8)M60LQG-E% P]!0 M T (!>1T! 'AL+W-T>6QE&PO=V]R:V)O;VLN>&UL4$L! A0#% @ -8)M69(LH):X 0 YQP !H M (!""8! 'AL+U]R96QS+W=O XML 61 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 62 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 64 FilingSummary.xml IDEA: XBRL DOCUMENT 3.24.3 html 175 252 1 false 51 0 false 6 false false R1.htm 100000 - Document - Document and Entity Information Sheet http://www.palladyneai.com/20240930/taxonomy/role/Role_DocumentDocumentAndEntityInformation Document and Entity Information Cover 1 false false R2.htm 100010 - Statement - CONDENSED CONSOLIDATED BALANCE SHEETS Sheet http://www.palladyneai.com/20240930/taxonomy/role/StatementCondensedConsolidatedBalanceSheets1 CONDENSED CONSOLIDATED BALANCE SHEETS Statements 2 false false R3.htm 100020 - Statement - CONDENSED CONSOLIDATED BALANCE SHEETS (Parenthetical) Sheet http://www.palladyneai.com/20240930/taxonomy/role/StatementCondensedConsolidatedBalanceSheetsParenthetical CONDENSED CONSOLIDATED BALANCE SHEETS (Parenthetical) Statements 3 false false R4.htm 100030 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS (Unaudited) Sheet http://www.palladyneai.com/20240930/taxonomy/role/StatementCondensedConsolidatedStatementsOfOperationsUnaudited CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS (Unaudited) Statements 4 false false R5.htm 100040 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE LOSS (Unaudited) Sheet http://www.palladyneai.com/20240930/taxonomy/role/StatementCondensedConsolidatedStatementsOfComprehensiveLossUnaudited CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE LOSS (Unaudited) Statements 5 false false R6.htm 100050 - Statement - CONDENSED CONSOLIDATED STATEMENT OF CHANGES IN STOCKHOLDERS' EQUITY (Unaudited) Sheet http://www.palladyneai.com/20240930/taxonomy/role/StatementCondensedConsolidatedStatementOfChangesInStockholdersEquityUnaudited CONDENSED CONSOLIDATED STATEMENT OF CHANGES IN STOCKHOLDERS' EQUITY (Unaudited) Statements 6 false false R7.htm 100060 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (Unaudited) Sheet http://www.palladyneai.com/20240930/taxonomy/role/StatementCondensedConsolidatedStatementsOfCashFlowsUnaudited CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (Unaudited) Statements 7 false false R8.htm 995410 - Disclosure - Pay vs Performance Disclosure Sheet http://xbrl.sec.gov/ecd/role/PvpDisclosure Pay vs Performance Disclosure Notes 8 false false R9.htm 995445 - Disclosure - Insider Trading Arrangements Sheet http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements Insider Trading Arrangements Notes 9 false false R10.htm 995455 - Disclosure - Basis of Presentation and Summary of Significant Accounting Policies Sheet http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureBasisOfPresentationAndSummaryOfSignificantAccountingPolicies Basis of Presentation and Summary of Significant Accounting Policies Notes 10 false false R11.htm 995465 - Disclosure - Fair Value Measurements Sheet http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureFairValueMeasurements Fair Value Measurements Notes 11 false false R12.htm 995475 - Disclosure - Balance Sheet Components Sheet http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureBalanceSheetComponents Balance Sheet Components Notes 12 false false R13.htm 995485 - Disclosure - Earn-Out Shares Sheet http://www.palladyneai.com/20240930/taxonomy/role/DisclosureEarnoutShares Earn-Out Shares Notes 13 false false R14.htm 995495 - Disclosure - Warrants Sheet http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureWarrants Warrants Notes 14 false false R15.htm 995505 - Disclosure - Stock-based Compensation Sheet http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureStockBasedCompensation Stock-based Compensation Notes 15 false false R16.htm 995515 - Disclosure - Net Loss Per Share Sheet http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureNetLossPerShare Net Loss Per Share Notes 16 false false R17.htm 995525 - Disclosure - Income Taxes Sheet http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureIncomeTaxes Income Taxes Notes 17 false false R18.htm 995535 - Disclosure - Commitments and Contingencies Sheet http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureCommitmentsAndContingencies Commitments and Contingencies Notes 18 false false R19.htm 995545 - Disclosure - Segment Information Sheet http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureSegmentInformation Segment Information Notes 19 false false R20.htm 995565 - 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Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)." } } }, "auth_ref": ["r37", "r682"] }, "us-gaap_AccountsReceivableNetCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccountsReceivableNetCurrent", "crdr": "debit", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/StatementCondensedConsolidatedBalanceSheets1"], "lang": { "en-us": { "role": { "totalLabel": "Accounts Receivable, after Allowance for Credit Loss, Current, Total", "label": "Accounts Receivable, after Allowance for Credit Loss, Current", "terseLabel": "Accounts receivable", "documentation": "Amount, 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." } } }, "auth_ref": ["r834"] }, "us-gaap_AccruedEmployeeBenefitsCurrentAndNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccruedEmployeeBenefitsCurrentAndNoncurrent", "crdr": "credit", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureEmployeeBenefitsAdditionalInformationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Accrued amount for employee contribution", "label": "Accrued Employee Benefits", "documentation": "Carrying value as of the balance sheet date of obligations, excluding pension and other postretirement benefits, incurred through that date and payable for perquisites provided to employees pertaining to services received from them." } } }, "auth_ref": ["r82"] }, "us-gaap_AccruedLiabilitiesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccruedLiabilitiesCurrent", "crdr": "credit", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureBalanceSheetComponentsScheduleOfAccruedLiabilitiesDetails", "http://www.palladyneai.com/20240930/taxonomy/role/StatementCondensedConsolidatedBalanceSheets1"], "lang": { "en-us": { "role": { "totalLabel": "Total accrued liabilities", "terseLabel": "Accrued liabilities", "label": "Accrued Liabilities, Current", "documentation": "Carrying 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)." } } }, "auth_ref": ["r39"] }, "us-gaap_AccumulatedDepreciationDepletionAndAmortizationPropertyPlantAndEquipment": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccumulatedDepreciationDepletionAndAmortizationPropertyPlantAndEquipment", "crdr": "credit", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/DisclosureBalanceSheetComponentsPropertyAndEquipmentNetDetails"], "lang": { "en-us": { "role": { "label": "Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment", "totalLabel": "Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment, Total", "periodStartLabel": "Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment, Beginning Balance", "periodEndLabel": "Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment, Ending Balance", "negatedLabel": "Accumulated depreciation", "documentation": "Amount of accumulated depreciation, depletion and amortization for physical assets used in the normal conduct of business to produce goods and services." } } }, "auth_ref": ["r27", "r109", "r488"] }, "us-gaap_AccumulatedOtherComprehensiveIncomeLossNetOfTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccumulatedOtherComprehensiveIncomeLossNetOfTax", "crdr": "credit", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/StatementCondensedConsolidatedBalanceSheets1"], "lang": { "en-us": { "role": { "negatedLabel": "Accumulated other comprehensive gain (loss)", "totalLabel": "Accumulated Other Comprehensive Income (Loss), Net of Tax, Total", "label": "Accumulated Other Comprehensive Income (Loss), Net of Tax", "terseLabel": "Accumulated other comprehensive income", "documentation": "Amount, after tax, of accumulated increase (decrease) in equity from transaction and other event and circumstance from nonowner source." } } }, "auth_ref": ["r16", "r17", "r55", "r115", "r484", "r516", "r520"] }, "us-gaap_AccumulatedOtherComprehensiveIncomeMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccumulatedOtherComprehensiveIncomeMember", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/StatementCondensedConsolidatedStatementOfChangesInStockholdersEquityUnaudited"], "lang": { "en-us": { "role": { "terseLabel": "Accumulated Other Comprehensive (Loss) Income", "label": "AOCI Attributable to Parent [Member]", "documentation": "Accumulated increase (decrease) in equity from transactions and other events and circumstances from non-owner sources, attributable to the parent. Excludes net income (loss), and accumulated changes in equity from transactions resulting from investments by owners and distributions to owners." } } }, "auth_ref": ["r2", "r7", "r17", "r366", "r369", "r425", "r511", "r512", "r812", "r813", "r814", "r818", "r819", "r820", "r823"] }, "ecd_Additional402vDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "Additional402vDisclosureTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Additional 402(v) Disclosure [Text Block]", "terseLabel": "Additional 402(v) Disclosure" } } }, "auth_ref": ["r744"] }, "us-gaap_AdditionalPaidInCapital": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdditionalPaidInCapital", "crdr": "credit", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/StatementCondensedConsolidatedBalanceSheets1"], "lang": { "en-us": { "role": { "totalLabel": "Additional Paid in Capital, Total", "periodStartLabel": "Additional Paid in Capital, Beginning Balance", "periodEndLabel": "Additional Paid in Capital, Ending Balance", "label": "Additional Paid in Capital", "terseLabel": "Additional paid-in capital", "documentation": "Amount of excess of issue price over par or stated value of stock and from other transaction involving stock or stockholder. 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Excludes amount capitalized." } } }, "auth_ref": [ "r305", "r311" ] }, "dei_AmendmentFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "AmendmentFlag", "presentation": [ "http://www.palladyneai.com/20240930/taxonomy/role/Role_DocumentDocumentAndEntityInformation" ], "lang": { "en-us": { "role": { "terseLabel": "Amendment Flag", "label": "Amendment Flag", "documentation": "Boolean flag that is true when the XBRL content amends previously-filed or accepted submission." } } }, "auth_ref": [] }, "us-gaap_AmortizationOfIntangibleAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AmortizationOfIntangibleAssets", "crdr": "debit", "presentation": [ "http://www.palladyneai.com/20240930/taxonomy/role/StatementCondensedConsolidatedStatementsOfCashFlowsUnaudited", "http://www.palladyneai.com/20240930/taxonomy/role/StatementCondensedConsolidatedStatementsOfOperationsUnaudited" ], "lang": { "en-us": { "role": { "verboseLabel": "Amortization of intangible assets", "terseLabel": "Intangible amortization expense", "label": "Amortization of Intangible Assets", "totalLabel": "Amortization of Intangible Assets, Total", "documentation": "The 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." } } }, "auth_ref": [ "r5", "r223", "r224", "r661" ] }, "us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareAmount": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareAmount", "presentation": [ "http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureNetLossPerShareScheduleOfBasicAndDilutedNetLossPerShareDetails" ], "lang": { "en-us": { "role": { "label": "Antidilutive Securities Excluded from Computation of Earnings Per Share, Amount", "terseLabel": "Earn-outs, up to an aggregate", "verboseLabel": "Anti-dilutive securities, excluded", "documentation": "Securities (including those issuable pursuant to contingent stock agreements) that could potentially dilute basic earnings per share (EPS) or earnings per unit (EPU) in the future that were not included in the computation of diluted EPS or EPU because to do so would increase EPS or EPU amounts or decrease loss per share or unit amounts for the period presented." } } }, "auth_ref": [ "r173" ] }, "us-gaap_ArrangementsAndNonarrangementTransactionsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ArrangementsAndNonarrangementTransactionsMember", "presentation": [ "http://www.palladyneai.com/20240930/taxonomy/role/DisclosureSubsequentEventAdditionalInformationDetails" ], "lang": { "en-us": { "role": { "label": "Collaborative Arrangement and Arrangement Other than Collaborative [Domain]", "documentation": "Collaborative arrangement and arrangement other than collaborative applicable to revenue-generating activity or operations." } } }, "auth_ref": [ "r352" ] }, "us-gaap_AssetImpairmentCharges": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetImpairmentCharges", "crdr": "debit", "presentation": [ "http://www.palladyneai.com/20240930/taxonomy/role/StatementCondensedConsolidatedStatementsOfCashFlowsUnaudited" ], "lang": { "en-us": { "role": { "terseLabel": "Asset write-down", "totalLabel": "Asset Impairment Charges, Total", "label": "Asset Impairment Charges", "documentation": "Amount of write-down of assets recognized in the income statement. Includes, but is not limited to, losses from tangible assets, intangible assets and goodwill." } } }, "auth_ref": [ "r5", "r25" ] }, "pdyn_AssetWriteDownAndRestructuringMember": { "xbrltype": "domainItemType", "nsuri": "http://www.palladyneai.com/20240930", "localname": "AssetWriteDownAndRestructuringMember", "presentation": [ "http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureStockBasedCompensationScheduleOfStockBasedCompensationExpenseDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Asset write-down and restructuring", "label": "Asset Write-Down and Restructuring [Member]", "documentation": "Asset write-down and restructuring." } } }, "auth_ref": [] }, "us-gaap_Assets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "Assets", "crdr": "debit", "presentation": [ "http://www.palladyneai.com/20240930/taxonomy/role/StatementCondensedConsolidatedBalanceSheets1" ], "lang": { "en-us": { "role": { "totalLabel": "Total assets", "label": "Assets", "documentation": "Amount of asset recognized for present right to economic benefit." } } }, "auth_ref": [ "r81", "r90", "r111", "r139", "r177", "r185", "r193", "r196", "r208", "r240", "r241", "r242", "r243", "r244", "r245", "r246", "r247", "r248", "r354", "r358", "r404", "r480", "r573", "r654", "r655", "r682", "r707", "r847", "r848", "r893" ] }, "us-gaap_AssetsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetsAbstract", "presentation": [ "http://www.palladyneai.com/20240930/taxonomy/role/StatementCondensedConsolidatedBalanceSheets1" ], "lang": { "en-us": { "role": { "terseLabel": "Assets", "label": "Assets [Abstract]" } } }, "auth_ref": [] }, "us-gaap_AssetsCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetsCurrent", "crdr": "debit", "presentation": [ "http://www.palladyneai.com/20240930/taxonomy/role/StatementCondensedConsolidatedBalanceSheets1" ], "lang": { "en-us": { "role": { "label": "Assets, Current", "totalLabel": "Total current assets", "documentation": "Amount of asset recognized for present right to economic benefit, classified as current." } } }, "auth_ref": [ "r105", "r118", "r139", "r208", "r240", "r241", "r242", "r243", "r244", "r245", "r246", "r247", "r248", "r354", "r358", "r404", "r682", "r847", "r848", "r893" ] }, "us-gaap_AssetsCurrentAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetsCurrentAbstract", "presentation": [ "http://www.palladyneai.com/20240930/taxonomy/role/StatementCondensedConsolidatedBalanceSheets1" ], "lang": { "en-us": { "role": { "terseLabel": "Current assets:", "label": "Assets, Current [Abstract]" } } }, "auth_ref": [] }, "us-gaap_AssetsFairValueDisclosure": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetsFairValueDisclosure", "crdr": "debit", "presentation": [ "http://www.palladyneai.com/20240930/taxonomy/role/DisclosureFairValueMeasurementsScheduleOfAssetsAndLiabilitiesMeasuredAtFairValueOnRecurringBasisDetails" ], "lang": { "en-us": { "role": { "totalLabel": "Total assets", "terseLabel": "Total assets", "label": "Assets, Fair Value Disclosure", "documentation": "Fair value portion of asset recognized for present right to economic benefit." } } }, "auth_ref": [ "r384", "r385", "r676" ] }, "us-gaap_AssetsFairValueDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetsFairValueDisclosureAbstract", "presentation": [ "http://www.palladyneai.com/20240930/taxonomy/role/DisclosureFairValueMeasurementsScheduleOfAssetsAndLiabilitiesMeasuredAtFairValueOnRecurringBasisDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Assets:", "label": "Assets, Fair Value Disclosure [Abstract]" } } }, "auth_ref": [] }, "us-gaap_AvailableForSaleSecuritiesDebtMaturitiesWithinOneYearFairValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AvailableForSaleSecuritiesDebtMaturitiesWithinOneYearFairValue", "crdr": "debit", "presentation": [ "http://www.palladyneai.com/20240930/taxonomy/role/DisclosureFairValueMeasurementsAdditionalInformationDetails" ], "lang": { "en-us": { "role": { "label": "Debt Securities, Available-for-Sale, Fair Value, Maturity, Allocated and Single Maturity Date, Year One", "terseLabel": "Available-for-sale debt securities with maturity dates within one year", "documentation": "Fair value of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), with single maturity date and allocated without single maturity date, maturing in next fiscal year following current fiscal year. Excludes interim and annual periods
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when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r207", "r478"] }, "ecd_AwardExrcPrice": { "xbrltype": "perShareItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AwardExrcPrice", "presentation": ["http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"], "lang": { "en-us": { "role": { "label": "Award Exercise Price", "terseLabel": "Exercise Price" } } }, "auth_ref": ["r779"] }, "ecd_AwardGrantDateFairValue": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AwardGrantDateFairValue", "presentation": ["http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"], "lang": { "en-us": { "role": { "label": "Award Grant Date Fair Value", "terseLabel": "Fair Value as of Grant Date" } } }, "auth_ref": ["r780"] }, "ecd_AwardTmgDiscLineItems": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AwardTmgDiscLineItems", "lang": { "en-us": { 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Basis of presentation describes the underlying basis used to prepare the financial statements (for example, US Generally Accepted Accounting Principles, Other Comprehensive Basis of Accounting, IFRS). Accounting policies describe all significant accounting policies of the reporting entity." } } }, "auth_ref": ["r67"] }, "us-gaap_BusinessAcquisitionLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessAcquisitionLineItems", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/DisclosureEarnoutSharesAdditionalInformationDetails"], "lang": { "en-us": { "role": { "label": "Business Acquisition [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": ["r343"] }, "us-gaap_BusinessCombinationAndAssetAcquisitionAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationAndAssetAcquisitionAbstract", "lang": { "en-us": { "role": { "label": "Business Combination, Asset Acquisition, and Joint Venture Formation [Abstract]" } } }, "auth_ref": [] }, "us-gaap_CashAndCashEquivalentsAtCarryingValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsAtCarryingValue", "crdr": "debit", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/StatementCondensedConsolidatedBalanceSheets1"], "lang": { "en-us": { "role": { "totalLabel": "Cash and Cash Equivalents, at Carrying Value, Total", "periodStartLabel": "Cash and Cash Equivalents, at Carrying Value, Beginning Balance", "periodEndLabel": "Cash and Cash Equivalents, at Carrying Value, Ending Balance", "label": "Cash and Cash Equivalents, at Carrying Value", "terseLabel": "Cash and cash equivalents", "documentation": "Amount 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." } } }, "auth_ref": ["r19", "r107", "r643"] }, "us-gaap_CashAndCashEquivalentsAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsAxis", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/DisclosureFairValueMeasurementsScheduleOfAssetsAndLiabilitiesMeasuredAtFairValueOnRecurringBasisDetails"], "lang": { "en-us": { "role": { "label": "Cash and Cash Equivalents [Axis]", "documentation": "Information by type of cash and cash equivalent balance." } } }, "auth_ref": ["r107"] }, "us-gaap_CashAndCashEquivalentsFairValueDisclosure": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsFairValueDisclosure", "crdr": "debit", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/DisclosureFairValueMeasurementsScheduleOfAssetsAndLiabilitiesMeasuredAtFairValueOnRecurringBasisDetails"], "lang": { "en-us": { "role": { "terseLabel": "Cash equivalents", "label": "Cash and Cash Equivalents, Fair Value Disclosure", "documentation": "Fair value portion of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": ["r882", "r883"] }, "pdyn_CashCashEquivalentsAndMarketableSecurities": { "xbrltype": "monetaryItemType", "nsuri": "http://www.palladyneai.com/20240930", "localname": "CashCashEquivalentsAndMarketableSecurities", "crdr": "debit", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureBasisOfPresentationAndSummaryOfSignificantAccountingPoliciesAdditionalInformationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Cash, cash equivalents and marketable securities", "label": "Cash, Cash Equivalents and Marketable Securities", "documentation": "Cash, cash equivalents and marketable securities." } } }, "auth_ref": [] }, "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents", "crdr": "debit", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/StatementCondensedConsolidatedStatementsOfCashFlowsUnaudited"], "lang": { "en-us": { "role": { "periodEndLabel": "Cash and cash equivalents at end of period", "periodStartLabel": "Cash and cash equivalents at beginning of period", "totalLabel": "Cash, Cash Equivalents, Restricted Cash and Restricted Cash Equivalents, Total", "label": "Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents", "documentation": "Amount of cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage. Excludes amount for disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": ["r19", "r64", "r138"] }, "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "crdr": "debit", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/StatementCondensedConsolidatedStatementsOfCashFlowsUnaudited"], "lang": { "en-us": { "role": { "totalLabel": "Net (decrease) increase in cash, cash equivalents", "label": "Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect", "documentation": "Amount of increase (decrease) in cash, cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; including effect from exchange rate change. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": ["r1", "r64"] }, "us-gaap_ChangeInAccountingPrincipleAccountingStandardsUpdateAdopted": { "xbrltype": "booleanItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ChangeInAccountingPrincipleAccountingStandardsUpdateAdopted", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureBasisOfPresentationAndSummaryOfSignificantAccountingPoliciesAdditionalInformationDetails"], "lang": { "en-us": { "role": { "label": "Change in Accounting Principle, Accounting Standards Update, Adopted [true false]", "terseLabel": "Change in accounting principle, accounting standards update, adopted [true false]", "documentation": "Indicates (true false) whether accounting standards update was adopted." } } }, "auth_ref": ["r94", "r95", "r103", "r144", "r204", "r210", "r211", "r212", "r218", "r219", "r225", "r229", "r326", "r334", "r335", "r344", "r345", "r347", "r361", "r362", "r372", "r373", "r402", "r403", "r414", "r420", "r421", "r439", "r440", "r509", "r510"] }, "us-gaap_ChangeInAccountingPrincipleAccountingStandardsUpdateAdoptionDate": { "xbrltype": "dateItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ChangeInAccountingPrincipleAccountingStandardsUpdateAdoptionDate", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureBasisOfPresentationAndSummaryOfSignificantAccountingPoliciesAdditionalInformationDetails"], "lang": { "en-us": { "role": { "label": "Change in Accounting Principle, Accounting Standards Update, Adoption Date", "terseLabel": "Change in accounting principle, accounting standards update, adoption date", "documentation": "Date accounting standards update was adopted, in YYYY-MM-DD format." } } }, "auth_ref": ["r94", "r95", "r103", "r204", "r210", "r211", "r212", "r218", "r219", "r220", "r225", "r229", "r326", "r334", "r335", "r344", "r345", "r346", "r347", "r348", "r360", "r361", "r362", "r363", "r372", "r373", "r374", "r377", "r402", "r403", "r414", "r420", "r421", "r439", "r440", "r509", "r510", "r802"] }, "us-gaap_ChangeInAccountingPrincipleAccountingStandardsUpdateImmaterialEffect": { "xbrltype": "booleanItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ChangeInAccountingPrincipleAccountingStandardsUpdateImmaterialEffect", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureBasisOfPresentationAndSummaryOfSignificantAccountingPoliciesAdditionalInformationDetails"], "lang": { "en-us": { "role": { "label": "Change in Accounting Principle, Accounting Standards Update, Immaterial Effect [true false]", "terseLabel": "Change in accounting principle, accounting standards update, immaterial effect [true false]", "documentation": "Indicates (true false) whether effect from applying amendment to accounting standards is immaterial." } } }, "auth_ref": ["r145", "r160", "r215"] }, "ecd_ChangedPeerGroupFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ChangedPeerGroupFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Changed Peer Group, Footnote [Text Block]", "terseLabel": "Changed Peer Group, Footnote" } } }, "auth_ref": ["r755"] }, "pdyn_ChiefExecutiveOfficerAndBoardOfDirectorsMember": { "xbrltype": "domainItemType", "nsuri": "http://www.palladyneai.com/20240930", "localname": "ChiefExecutiveOfficerAndBoardOfDirectorsMember", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/DisclosureSubsequentEventAdditionalInformationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Chief Executive Officer and Board of Directors", "label": "Chief Executive Officer And Board Of Directors [Member]", "documentation": "Chief executive officer and board of directors." } } },

"auth_ref": [] }, "ecd_ChngInFrValAsOfVstngDtOfPrrYrEqtyAwrdsVstdInCvrdYrMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ChngInFrValAsOfVstngDtOfPrrYrEqtyAwrdsVstdInCvrdYrMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Change in Fair Value as of Vesting Date of Prior Year Equity Awards Vested in Covered Year [Member]", "terseLabel": "Change in Fair Value as of Vesting Date of Prior Year Equity Awards Vested in Covered Year" } } }, "auth_ref": ["r752"] }, "ecd_ChngInFrValOfOutsdngAndUnvstdEqtyAwrdsGrntdInPrrYrsMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ChngInFrValOfOutsdngAndUnvstdEqtyAwrdsGrntdInPrrYrsMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Year-over-Year Change in Fair Value of Equity Awards Granted in Prior Years That are Outstanding and Unvested [Member]", "terseLabel": "Year-over-Year Change in Fair Value of Equity Awards Granted in Prior Years That are Outstanding and Unvested" } } }, "auth_ref": ["r750"] }, "dei_CityAreaCode": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "CityAreaCode", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "terseLabel": "City Area Code", "label": "City Area Code", "documentation": "Area code of city" } } }, "auth_ref": [] }, "us-gaap_ClassOfStockDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ClassOfStockDomain", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DocumentDocumentAndEntityInformation", "http://www.palladyneai.com/20240930/taxonomy/role/StatementCondensedConsolidatedStatementOfChangesInStockholdersEquityUnaudited"], "lang": { "en-us": { "role": { "terseLabel": "Class of Stock", "label": "Class of Stock [Domain]", "documentation": "Share of stock differentiated by the voting rights the holder receives. Examples include, but are not limited to, common stock, redeemable preferred stock, nonredeemable preferred stock, and convertible stock." } } }, "auth_ref": ["r97", "r112", "r113", "r114", "r139", "r166", "r167", "r170", "r172", "r179", "r180", "r208", "r240", "r242", "r243", "r244", "r247", "r248", "r250", "r251", "r252", "r253", "r254", "r404", "r524", "r525", "r526", "r527", "r531", "r532", "r533", "r534", "r535", "r536", "r537", "r538", "r539", "r540", "r541", "r542", "r561", "r582", "r600", "r620", "r621", "r622", "r623", "r624", "r795", "r816", "r824"] }, "us-gaap_ClassOfWarrantOrRightAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ClassOfWarrantOrRightAxis", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureWarrantsAdditionalInformationDetails"], "lang": { "en-us": { "role": { "label": "Class of Warrant or Right [Axis]", "documentation": "Information by type of warrant or right issued." } } }, "auth_ref": ["r29"] }, "us-gaap_ClassOfWarrantOrRightDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ClassOfWarrantOrRightDomain", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureWarrantsAdditionalInformationDetails"], "lang": { "en-us": { "role": { "label": "Class of Warrant or Right [Domain]", "documentation": "Name of the class or type of warrant or right outstanding. Warrants and rights represent derivative securities that give the holder the right to purchase securities (usually equity) from the issuer at a specific price within a certain time frame. Warrants are often included in a new debt issue to entice investors by a higher return potential. The main difference between warrants and call options is that warrants are issued and guaranteed by the company, whereas options are exchange instruments and are not issued by the company. Also, the lifetime of a warrant is often measured in years, while the lifetime of a typical option is measured in months." } } }, "auth_ref": [] }, "us-gaap_ClassOfWarrantOrRightExercisePriceOfWarrantsOrRights1": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ClassOfWarrantOrRightExercisePriceOfWarrantsOrRights1", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/DisclosureSubsequentEventAdditionalInformationDetails", "http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureWarrantsAdditionalInformationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Warrant exercise price", "label": "Class of Warrant or Right, Exercise Price of Warrants or Rights", "documentation": "Exercise price per share or per unit of warrants or rights outstanding." } } }, "auth_ref": ["r255"] }, "us-gaap_ClassOfWarrantOrRightLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ClassOfWarrantOrRightLineItems", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureWarrantsAdditionalInformationDetails"], "lang": { "en-us": { "role": { "label": "Class of Warrant or Right [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_ClassOfWarrantOrRightNumberOfSecuritiesCalledByEachWarrantOrRight": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ClassOfWarrantOrRightNumberOfSecuritiesCalledByEachWarrantOrRight", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureWarrantsAdditionalInformationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Shares of common stock per warrant", "label": "Class of Warrant or Right, Number of Securities Called by Each Warrant or Right", "documentation": "Number of securities into which each warrant or right may be converted. For example, but not limited to, each warrant may be converted into two shares." } } }, "auth_ref": [] }, "us-gaap_ClassOfWarrantOrRightNumberOfSecuritiesCalledByWarrantsOrRights": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ClassOfWarrantOrRightNumberOfSecuritiesCalledByWarrantsOrRights", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/DisclosureSubsequentEventAdditionalInformationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Number of common stock shares to be issued upon conversion of warrants", "label": "Class of Warrant or Right, Number of Securities Called by Warrants or Rights", "documentation": "Number of securities into which the class of warrant or right may be converted. For example, but not limited to, 500,000 warrants may be converted into 1,000,000 shares." } } }, "auth_ref": ["r255"] }, "us-gaap_ClassOfWarrantOrRightOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ClassOfWarrantOrRightOutstanding", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureWarrantsAdditionalInformationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Warrants outstanding", "label": "Class of Warrant or Right, Outstanding", "documentation": "Number of warrants or rights outstanding." } } }, "auth_ref": [] }, "pdyn_ClassOfWarrantOrRightPurchasePriceOfWarrantsOrRights": { "xbrltype": "perShareItemType", "nsuri": "http://www.palladyneai.com/20240930", "localname": "ClassOfWarrantOrRightPurchasePriceOfWarrantsOrRights", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/DisclosureSubsequentEventAdditionalInformationDetails"], "lang": { "en-us": { "role": { "terseLabel": 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"Class A Common Stock [Member]", "label": "Common Class A [Member]", "terseLabel": "Common Class A", "documentation": "Classification of common stock representing ownership interest in a corporation." } } }, "auth_ref": ["r935"] }, "us-gaap_CommonClassBMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonClassBMember", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/StatementCondensedConsolidatedStatementOfChangesInStockholdersEquityUnaudited"], "lang": { "en-us": { "role": { "verboseLabel": "Class B Common Stock [Member]", "label": "Common Class B [Member]", "terseLabel": "Common Class B", "documentation": "Classification of common stock that has different rights than Common Class A, representing ownership interest in a corporation." } } }, "auth_ref": ["r935"] }, "us-gaap_CommonStockMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockMember", "presentation": 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Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)." } } }, "auth_ref": ["r39"] }, "us-gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedPeriodForRecognition1": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedPeriodForRecognition1", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/DisclosureStockbasedCompensationAdditionalInformationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Period for recognition of unrecognized compensation cost related to non-vested stock awards", "label": "Share-Based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Period for Recognition", "documentation": "Weighted-average period over which cost not yet recognized is expected to be recognized for award under share-based payment arrangement, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days." } } }, "auth_ref": ["r309"] }, "us-gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedStockOptions": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedStockOptions", "crdr": "debit", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/DisclosureStockbasedCompensationAdditionalInformationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Unrecognized stock-based compensation cost", "label": "Share-Based Payment Arrangement, Nonvested Award, Option, Cost Not yet Recognized, Amount", "documentation": "Amount of cost to be recognized for option under share-based payment arrangement." } } }, "auth_ref": ["r879"] }, "us-gaap_EmployeeStockOptionMember": { 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It is commonly abbreviated as CIK." } } }, "auth_ref": ["r709"] }, "dei_EntityCommonStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCommonStockSharesOutstanding", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Entity Common Stock, Shares Outstanding", "documentation": "Indicate number of shares or other units outstanding of each of registrant's classes of capital or common stock or other ownership interests, if and as stated on cover of related periodic report. Where multiple classes or units exist define each class/interest by adding class of stock items such as Common Class A [Member], Common Class B [Member] or Partnership Interest [Member] onto the Instrument [Domain] of the Entity Listings, Instrument." } } }, "auth_ref": [] }, "dei_EntityCurrentReportingStatus": { "xbrltype": "yesNoItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCurrentReportingStatus", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Entity Current Reporting Status", "documentation": "Indicate 'Yes' or 'No' whether registrants (1) have filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that registrants were required to file such reports), and (2) have been subject to such filing requirements for the past 90 days. This information should be based on the registrant's current or most recent filing containing the related disclosure." } } }, "auth_ref": [] }, "dei_EntityDomain": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityDomain", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/DisclosureSubsequentEventAdditionalInformationDetails"], "lang": { "en-us": { "role": { "label": "Entity [Domain]", "documentation": "All the names of the entities being reported upon in a document. Any legal structure used to conduct activities or to hold assets. Some examples of such structures are corporations, partnerships, limited liability companies, grantor trusts, and other trusts. This item does not include business and geographical segments which are included in the geographical or business segments domains." } } }, "auth_ref": [] }, "dei_EntityEmergingGrowthCompany": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityEmergingGrowthCompany", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DocumentDocumentAndEntityInformation"], "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": ["r709"] }, "dei_EntityExTransitionPeriod": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityExTransitionPeriod", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "terseLabel": "Entity Ex Transition Period", "label": "Entity Ex Transition Period", "documentation": "Indicate if an emerging growth company has elected not to use the extended transition period for complying with any new or revised financial accounting standards." } } }, "auth_ref": ["r794"] }, "dei_EntityFileNumber": { "xbrltype": "fileNumberItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityFileNumber", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "terseLabel": "Entity File Number", "label": "Securities Act File Number", "documentation": "Commission file number. The field allows up to 17 characters. The prefix may contain 1-3 digits, the sequence number may contain 1-8 digits, the optional suffix may contain 1-4 characters, and the fields are separated with a hyphen." } } }, "auth_ref": [] }, "dei_EntityFilerCategory": { "xbrltype": "filerCategoryItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityFilerCategory", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "terseLabel": "Entity Filer Category", "label": "Entity Filer Category", "documentation": "Indicate whether the registrant is one of the following: Large Accelerated Filer, Accelerated Filer, Non-accelerated Filer. Definitions of these categories are stated in Rule 12b-2 of the Exchange Act. This information should be based on the registrant's current or most recent filing containing the related disclosure." } } }, "auth_ref": ["r709"] }, "dei_EntityIncorporationStateCountryCode": { "xbrltype": "edgarStateCountryItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityIncorporationStateCountryCode", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "verboseLabel": "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://www.palladyneai.com/20240930/taxonomy/role/Role_DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Entity Interactive Data Current", "documentation": "Boolean flag that is true when the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files)." } } }, "auth_ref": ["r793"] }, "dei_EntityRegistrantName": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityRegistrantName", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "verboseLabel": "Entity Registrant Name", "label": "Entity Registrant Name", "documentation": "The exact name of the entity filing the report as specified in its charter, which is required by forms filed with the SEC." } } }, "auth_ref": ["r709"] }, "dei_EntityShellCompany": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityShellCompany", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Entity Shell Company", "documentation": "Boolean flag that is true when the registrant is a shell company as defined in Rule 12b-2 of the Exchange Act." } } }, "auth_ref": ["r709"] }, "dei_EntitySmallBusiness": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntitySmallBusiness", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "terseLabel": "Entity Small Business", "label": "Entity Small Business", "documentation": "Indicates that the company is a Smaller Reporting Company (SRC)." } } }, "auth_ref": ["r709"] }, "dei_EntityTaxIdentificationNumber": { "xbrltype": "employerIdItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityTaxIdentificationNumber", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DocumentDocumentAndEntityInformation"], "lang": { "en-us": { "role": { "terseLabel": "Entity Tax Identification Number", "label": "Entity Tax Identification Number", "documentation": "The Tax Identification Number (TIN), also known as an Employer Identification Number (EIN), is a unique 9-digit value assigned by the IRS." } } }, "auth_ref": ["r709"] }, "ecd_EqtyAwrdsAdjFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "EqtyAwrdsAdjFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Equity Awards Adjustments, Footnote [Text Block]", "terseLabel": "Equity Awards Adjustments, Footnote" } } }, "auth_ref": ["r748"] }, "ecd_EqtyAwrdsAdjsExclgValRprtdInSummryCompstnTblMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "EqtyAwrdsAdjsExclgValRprtdInSummryCompstnTblMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Equity Awards Adjustments, Excluding Value Reported in the Compensation Table [Member]", "terseLabel": "Equity Awards Adjustments, Excluding Value Reported in Compensation Table" } } }, "auth_ref": ["r789"] }, "ecd_EqtyAwrdsAdjsMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname":

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These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r384", "r385", "r395", "r676"] }, "us-gaap_FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueAssetsAndLiabilitiesMeasuredOnRecurringAndNonrecurringBasisTable", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/DisclosureFairValueMeasurementsScheduleOfAssetsAndLiabilitiesMeasuredAtFairValueOnRecurringBasisDetails"], "lang": { "en-us": { "role": { "label": "Fair Value, Recurring and Nonrecurring [Table]", "documentation": "Disclosure of information about asset and liability measured at fair value on recurring and nonrecurring basis." } } }, "auth_ref": ["r384", "r385", "r395", "r676"] }, "us-gaap_FairValueByFairValueHierarchyLevelAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueByFairValueHierarchyLevelAxis", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/DisclosureFairValueMeasurementsScheduleOfAssetsAndLiabilitiesMeasuredAtFairValueOnRecurringBasisDetails"], "lang": { "en-us": { "role": { "terseLabel": "Fair Value Hierarchy and NAV", "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": ["r249", "r265", "r266", "r267", "r268", "r269", "r270", "r383", "r385", "r386", "r387", "r388", "r394", "r395", "r397", "r431", "r432", "r433", "r662", "r663", "r667", "r668", "r669", "r676", "r678"] }, "us-gaap_FairValueDisclosuresAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueDisclosuresAbstract", "lang": { "en-us": { "role": { "label": "Fair Value Disclosures [Abstract]" } } }, "auth_ref": [] }, "us-gaap_FairValueDisclosuresTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueDisclosuresTextBlock", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureFairValueMeasurements"], "lang": { "en-us": { "role": { "terseLabel": "Fair Value Measurements", "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": ["r390", "r392", "r393", "r394", "r397", "r398", "r399", "r400", "r401", "r472", "r676", "r679"] }, "us-gaap_FairValueInputsLevel1Member": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueInputsLevel1Member", "presentation": 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A noncontrolling interest is sometimes called a minority interest." } } }, "auth_ref": [ "r36", "r256", "r818", "r819", "r820", "r823", "r935" ] }, "pdyn_NumberOfCommonStockSharesToBeIssuedAndSellUnderAgreement": { "xbrltype": "sharesItemType", "nsuri": "http://www.palladyneai.com/20240930", "localname": "NumberOfCommonStockSharesToBeIssuedAndSellUnderAgreement", "presentation": [ "http://www.palladyneai.com/20240930/taxonomy/role/DisclosureSubsequentEventAdditionalInformationDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Number of common stock shares to be issued and sell under agreement", "label": "Number of Common Stock Shares to be Issued and Sell Under Agreement", "documentation": "Number of common stock shares to be issued and sell under agreement." } } }, "auth_ref": [] }, "pdyn_NumberOfCommonStockSharesToBeIssuedUnderAgreement": { "xbrltype": "sharesItemType", "nsuri": "http://www.palladyneai.com/20240930", "localname": "NumberOfCommonStockSharesToBeIssuedUnderAgreement", "presentation": [ "http://www.palladyneai.com/20240930/taxonomy/role/DisclosureSubsequentEventAdditionalInformationDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Number of common stock shares to be issued under agreement", "label": "Number of Common Stock Shares to be Issued Under Agreement", "documentation": "Number of common stock shares to be issued under agreement." } } }, "auth_ref": [] }, "us-gaap_NumberOfOperatingSegments": { "xbrltype": "integerItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NumberOfOperatingSegments", "presentation": [ "http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureSegmentInformationAdditionalInformationDetails" ], "lang": { "en-us": { "role": { "label": "Number of Operating Segments", "terseLabel": "Number of operating segment", "documentation": "Number of operating segments. An operating segment is a component of an enterprise: (a) that engages in business activities from which it may earn revenues and incur expenses (including revenues and expenses relating to transactions with other components of the same enterprise), (b) whose operating results are regularly reviewed by the enterprise's chief operating decision maker to make decisions about resources to be allocated to the segment and assess its performance, and (c) for which discrete financial information is available. An operating segment may engage in business activities for which it has yet to earn revenues, for example, start-up operations may be operating segments before earning revenues." } } }, "auth_ref": [ "r655", "r827" ] }, "us-gaap_NumberOfReportableSegments": { "xbrltype": "integerItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NumberOfReportableSegments", "presentation": [ "http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureSegmentInformationAdditionalInformationDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Number of reportable segment", "label": "Number of Reportable Segments", "documentation": "Number of segments reported by the entity. 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contributions by the employer, contributions by plan participants, benefits paid, business combinations, divestitures, and settlements." } } }, "auth_ref": [ "r77" ] }, "us-
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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": ["r31"] }, "us-gaap_ScheduleOfFairValueAssetsAndLiabilitiesMeasuredOnRecurringBasisTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfFairValueAssetsAndLiabilitiesMeasuredOnRecurringBasisTableTextBlock", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureFairValueMeasurementsTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Assets and Liabilities Measured At Fair Value On Recurring Basis", "label": "Schedule of Fair Value, Assets and Liabilities Measured on Recurring Basis [Table Text Block]", "documentation": "Tabular disclosure of assets and liabilities, including [financial] instruments measured at fair value that are classified in stockholders' equity, if any, that are measured at fair value on a recurring basis. The disclosures contemplated herein include the fair value measurements at the reporting date by the level within the fair value hierarchy in which the fair value measurements in their entirety fall, segregating fair value measurements using quoted prices in active markets for identical assets (Level 1), significant other observable inputs (Level 2), and significant unobservable inputs (Level 3)." } } }, "auth_ref": ["r882", "r883"] }, "us-gaap_ScheduleOfInventoryCurrentTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfInventoryCurrentTableTextBlock", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureBalanceSheetComponentsTables"], "lang": { "en-us": { "role": { "label": "Schedule of Inventory, Current [Table Text Block]", "terseLabel": "Inventories, Net", "documentation": "Tabular disclosure of the carrying amount as of the balance sheet date of merchandise, goods, commodities, or 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Reportable segments include those that meet any of the following quantitative thresholds a) it's reported revenue, including sales to external customers and intersegment sales or transfers is 10 percent or more of the combined revenue, internal and external, of all operating segments b) the absolute amount of its reported profit or loss is 10 percent or more of the greater, in absolute amount of 1) the combined reported profit of all operating segments that did not report a loss or 2) the combined reported loss of all operating segments that did report a loss c) its assets are 10 percent or more of the combined assets of all operating segments." } } }, "auth_ref": ["r90", "r177", "r181", "r182", "r183", "r184", "r185", "r189", "r190", "r191", "r194", "r195", "r196", "r197", "r198", "r199", "r200", "r203", "r651", "r652", "r653", "r654", "r656", "r657", "r658"] }, "us-gaap_SegmentReportingInformationLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SegmentReportingInformationLineItems", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureSegmentInformationAdditionalInformationDetails"], "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. 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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": ["r647", "r667", "r669", "r676", "r902"] }, "us-gaap_UnbilledContractsReceivable": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "UnbilledContractsReceivable", "crdr": "debit", "presentation": ["http://www.palladyneai.com/20240930/taxonomy/role/Role_DisclosureBasisOfPresentationAndSummaryOfSignificantAccountingPoliciesSummaryOfInformationAboutContractB "http://www.palladyneai.com/20240930/taxonomy/role/StatementCondensedConsolidatedBalanceSheets1"], "lang": { "en-us": { "role": { "periodStartLabel": "Opening Balance", "periodEndLabel": "Ending Balance", "label": "Unbilled Contracts Receivable", "terseLabel": "Unbilled receivables", "documentation": "Unbilled amounts due for services rendered or to be rendered, actions taken or to be taken, or a promise to refrain from taking certain actions in accordance with the terms of a legally binding agreement between the entity and, at a minimum, one other party. An example would be amounts associated with contracts or programs where the recognized revenue for performance thereunder exceeds the amounts billed under the terms thereof as of the date of the balance sheet." } } }, "auth_ref": ["r437"] }, "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": { "label": "Underlying Security Market Price Change, Percent", "terseLabel": "Underlying Security Market Price Change" } } }, "auth_ref": ["r781"] }, "ecd_VstngDtFrValOfEqtyAwrdsGrntdAndVstdInCvrdYrMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "VstngDtFrValOfEqtyAwrdsGrntdAndVstdInCvrdYrMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Vesting Date Fair Value of Equity Awards Granted 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[97LDIU4^[+T]<.CWS4M5=.EV]M#HQ@-6KQ5-8QRE, M+2VNAY7_\SN7X]?>-+2ZNOYSV7X3"0Y$CQQ>7CR?@-4+ZN MPMVPWQ6G]='ITF)["A63<7;D<55.=-2:8 7OZ?W__;2_LIP-'3D\]HE.KWZ2P M_6GR^2E\\1098G'AK"&?G#M<7IQ=X]L7S+\X<'7'53"1GY?=(T%VQN"&%>/8P MX(L33X85(+@"S04+!/=P0@41;"G83P:G[CIT(U&#CY,KFJE"5]#K:#'M)L2 M&,:)>Q,#.B;=TVGMQDV>U >M ")E%:%FY<4P!=+,_+GSPR]/KM[7Z=FS^]Y, M<;J<,+UX2%-/OZ45?'B2J-/Z7!K9I_#MDU_^1_'3?G(1_BU^FE;34?J%4?+W MGYYVO^.G!VGJ6IPBZ=^SZO//3YY/QE- +_(!"/&D"-U?/S^9IJ_3IZWP\6G M/IT_]B<_B4=%,ST.I9^?'+CZ4S7>*=QL.OE_JH/#20W<.GUVZ")"ZDYA#K\ MPS4@^PGQ9Z=@SYZT@XC5Y\4S8M4AS3U_^3CN8S_CI]GS*LQ<<0->?.*L),*8AD5A(GC256:Z]$LLX+]^07 M"F)JN-;&_?3TQ-#.'FF03F7//!%;.B(YI\1Y)HEF//%0"BE-7AWI0J.\ JWC M1N_@29/X"CYKKC?:OXM+C3*R4L'3%$DZ:2*M9\0+00F72:8DG-#(BL>C?#ZK MZ^4@_YE<_7(<4:%=;Y"$, YB>*F14A,T5XX3(Y4A4LI,+"LSB)0N#:PU"$U< M'>DN+&9L%W3D/EUK>$4GO#_ 6G?R=77%$EV(U R0[3_G#/J5[4+K9Z?+S#W MR49N26">$UF:1!R/F< [HN%<1*K\8MASG-YY/CDXJ*8X]F9W"%%60;+ :*G2 M-\S 9(01NT2,HR616FOBLF'P^.@"DTYD 5PV&U?=#7]_&/O!4!+4^V,JQ$(M?#U+(.MG#]T+D"8!,RSAD5RL21.B4" +3Q3LN31AQL,/936>V$\+(J"]H0 MXCU@9$Q&!"IR9CI<=^@Q)$E%"7*G/(47:!0^71)64BF#U&!HI=-#WYM.PI_[MDQ' 4/,28')Z]&8R3>VG>X>C:@J3F9N1[Q'1V>GY.*:,812LN@Q:3::0@:<$ M(T&%+*G4/BIU8CZ'8%D^8*6(U0'PT\]/X%N4*A@2X2>9#^P($N:3,K\&L8, MZ7+!@(NYGRTWC.>0<.Y)9N 0X&P"4JV(X8&6W#NJM3J]%._3YS2>I?=@CE1C M(""@43L^E'UJ=5H+[\>IC!-\4-U)>\S7OP:9.[H73P]EB27*40/%' "YN- M D"FEAA8-E*"PF/),2_B-WBQM^_J]"N8OR!P!X=IW+3TV:W! /F44!9_/3J^ MY)T[PH]VO[@ZMC_^"R,.WN;LRMSR6V9%-'1@_H#*P)4 M@##$&\V#B3#2)&!VXKS9G>*WY+(JD'C ;]H^$PQH*#S^?3TX(D^_MU6_S^]2.4GZ4]M*G%D"OI[16N&[^H%6,H1< "SL/5$[-U,+[E%>@S*(%,9RC M)=XX1V*@'C2UY:7\AI"+F;X]3+5#HO1RHB<95H$++]P#]$S((!KL#S!T,\BD[K0_OK_G+3&3]^\>%S3L47W9X27?04]'JKI[PD9L8@5?-N&A59L +!E\9[. M $# 1<%:?FU:I[\LFKE3,:M:= -]ZZ>G9[[B.F]^/G)-]H4'W[66]OO=R]X M[=-3"_#TK-4^;#%QN5A35T_1E/^E#4V!'4.72WO\W9)L<>52#=[8\2NZ;Q9__M+U[R] 2KG,,YI7FJV751S=#HE!3$F@SPEJ0I@<\F@.857@4F16KWT9B)5ANPP2J MJ%!9,F+!RR &G(M$?58^VK[1;5"A)SE' M7%Z%BC6J4)M"+@78DE1'\:=(K;TX- 4HGT49T+@,]YQS;A6,9;=#L18P]LP* M82)XTAB,T#P2E[,D)4V,V3(K+>4])\UN"+.#V0BNC6^G^ZG&Z^JTCT_[G%Z/ MP^1@ R;0"K7X(IZ\!FJ!2\8P:I1#J3%L9HGAGI&HLU'&&BYR;R'XW1('8B5]. O .(YJEW*E(,OVUOS6%S7_ M "%Z!YY_>I?J-NX%M'.CYFW]\FM(*39[U=?IT>*[S5M'[/8=#DNSSAA1\!$# M#-XZ8E-)B5&<*V?!'A3JZ9 M@6@OQ6G#@*8*U63M6"NU8*(G,"6C#I").1TE$-$%$)>=#_^@NIE[1-8ZQ0D[K1 M.U?%U^/G[K":NM%],7,L0$LV(9*D<3->LTP,DPGC DRI2 VL;%\U%G^2SK] M-@G=%MY)_^{C}:@[D++?7?UGPOTAW&$>-P_4B%%<, 8B%G.@1":@IPL6R,NH M B^Q5#F5?:7G$.*Y#N>LQA%NQCE6E13T*/,!]]? /;4&D""E4BLFC-.LMYQS MAF?ZMO5O?!]$>'2'"S=EEB&"#$RB S/&1,(%9MJH'(D1PA)OLS6Z-+ZDO8T# M]H))VOC5!GGDI)6P2O8,60E.9QX-^'"=`K\>%LVK17L/L2YW"49FK*$NB.P0Y72O"B&1#*) T.5Y0^ MZ+X2ZJXW"RYE4KU'E=0-"O_\W7VM#F8'O?+#UB7TE\KW[Z6MI2X)CZN7WFBE M1.F5D(R40698*8!'EYPB!K.^9> TBMA7J>OSSG],!:\M0EA=:2R098"90^L2X9XFF. MP;%2>'_?;8#-)R;V0.$#O5SRCF."J2)2!DNL#8%8GI44X.YJT]N\N'[O0]X- MQ'O,5CQ6U!74NLOC'9 ^*[D+ERX _;WNXK/V(#K@=U/SX{JWW)2>QR1JPC M7KM,--8H,ZFSXKU%]'? U!*8Z/4)U.P511P8ZQ&?\>G0+]!!?- MJ[ON2ZS+1Y&C\H&H,H-K!@\GOBPEX5A%KE5DWO76-;L44O\UC5/M1D"9W7A0 MC2NPQAUF+]\:7%_6C%HG7$?);?2*! 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AQ/2\X._D%+&3W<4O9+C3O,G#]NS1\V_"KWU9NTPN;8U_03MJ{\.>G>C(;1S+G\]ZKZ]W(%=})+UM
M\%"P4\'7@RI&L$DNC+^N,L/\2:L/IRLLN:Y>K/W+H[OL8CW(M;@T+YWNWM@<6-F;T7 ?Y+D6+W_8?B]?9= ,+:U\@5 M^S5&&OX#5.OT8_5Q&?__6(V[(/8L.>OY7E\U+XHC
_H7<'V"_5;'B>NZBO M7K_9??^]>YOQ>LWK]Z^_WWWP^NWQTU)W4V6^7O'CYUI1VYRX=NW;QJ+!U#8 MM I\/4T"!7M@& #S/_C(5C"@/<*S[>=W*Q"PW'O<6[ZW^.&/L9M%>'[\
<4"# M']E2]1H-[L2?Z"N"W(E#L3GL@(G!TCC<"F4X?F_V4;@=% MGB\&@B&8Y4"*7[N!%'OM0 8H&:!D@)+^0LDQ@:R;(!\G^>/D,'5 <)=0LF*= M3'+Q=CFD
50NY%0]@,JM@LJ=9.3V#$O.,DM.H4JH>@,GF&%5IWVX#CL_S9I M!EBYF'/+ 58&6Z5OMDJ#>4;[DQ' 0G^LE;V50?UG\?+?LVIZ- #,A5QK!H 9 M *9O !-(A8(C[^&XO'JVE;&?
$1A!,_&,W_O@U$ M^?O*^UMP^/OQ^UML&4V:&1A%Q:Z?S*;S\U.+]U7SYP 8%S*N& #C[@!#K@$P M[KJ9U$FTD+AW,ZTGHZ9%BL-Z$E)$X;REL$?[ZA8DWBU?/.# @ +W*U_]82:L
M5Q\GV,;CMK/5WW{XV0W0Z,ZD*G>'SAXC)GJH_3)C3J#H#V2^E8L@M_PI9TI MT+UTD/V+;0$Q"/_="?_N@Y1^]{$&=_QC=F$ZN9T,"W3_BU?=^P:A'X2^ST+_
M0/<@9N.N=UFJ,1W"C5*[?9G./*;,@(_5MY?[.'[<3NARZ/"1IBSNIH6J8L6 M_-&TG4#FEL* &)=(#^]W1D3_QG/8:,APIR&F['#;[^/L<#+^V*1Q-:EO RE> MS-];_'&(3>?:]ZX@Q(&
QKT&0W6L8W0@R4YO9, 2 MQ !?@LF KU[=81R 8 ""/@.!>HA H.YHVZ!M.?[Z^*6#_"WV?AUP]1^/7' M]'6_\M7M]*-X.7_7(.H?BWH?
DI;A&3B&GY_P)_>3QQOXU$UORZK=6[YM8/"+ M&?R[*3$]/N]I:*Q^>RV[;],;^F;D.LF?0X_U_LO3[?187U>*VAI68&]V ,] M*L[:C.W!\(I36/=(J'*-:5]X%,GY$Y]#^-U@Y-M97?A9 PC7-
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MR=5?5OV)/U,ZA(&-ELLQUX/MJGQG&1#5#>?'1YBM*,3E@0A_.?74N^!]?Z3" MU:D]QM+5HR-X.:CVY4EYW:&2P-,L&O+@Z-)T\QWP_&^4?5G@KM 4H M08RZ-MK[<*&&[
DS!GHUCX5* '4V5P"L;3K?;7&"G%@=M%7HP&/P9UCP; @(\G!-<(?5U(VVVH_QANRJ$? @ M?G=88UM"X.L$BW* 1TTBO*O7659^GJ(=>WPZ'_/*DP;P<=-#D!38(TJ3*!] M'B
U,/J^,7D!2"3D![RN,XPE+76,Q:3X"+JM#@80BSMG9U"_P,7NA7C^ M6UL/"WIDA*/@E M\69X4GP!;YG]_73WW\K]B9YBN\IWL&5&(UN1]J:T7BX M:SV)LS#MU@
>T,P:F$*U97;[DR^+TVS/)LJ!.VK/H&W'7'9#B2ST!S8=/Q&]<_)SJ!A'&Y8PJ M>;*BJ@>T&-#BQG;?O/_HG.>.#TL&GOQ7%YAH4(J.4-J.R^4+X*[9P6'W=8LK M;;5Z I%XW=H*!4KEP
0+*XXP>V@-" (^RXA$YP!>'T<-P8P4"4^-0DXN[%>@68HNI ._'',MMKDJL,W5L?)UW=%> M>..G-,8+5^Y<7H\>T=+]&AAV8-BU,.P8#;[TN4(W?^GI='!95PE;S+=NT*I=
MA%S<+"RN$\85(O%X,D4T;AT;8.@(]M:D2!G\'WC<=`2TA7^@/"7M!0RF"789_I8>&7GX>%5<_L/]<+G^?'!]F*!CZO0=O +6"0#OIA$+>, MAGF7+!VNBW$E7V9N]$3X_"AAF.%H,F?
T,*M;TZ>S>-RQF8;9.@EMG\53"O<9 MW+X5[0..%? ..!U;RU]!E8&?UQRW'0+3*56'4QST$@1&5< .SZU-]CF-9^DX M^#*$?X"! @P#=V%W!'C<8_NT,]Y;1FC80MS3N.\?BL*Z EA4Z
J#$/L/GK1N MX'L,J=\7.O*-P V!NX&W-\3;N^,C,.X,Y..YUWLZ+#7K:J^^IR6 /4_S[!9^ M>/S@)2L?&ST>+#!4"W I*I3.&\9KZW0XZW0'$&%@8+7/"U5S73%P_,#Q-T;S
MJX5NX8HQ/;5Q-]:6#48G*Z6@=-/XVHZBZV\+)5$B_]+Z^:D)XU!JR_H9X_1 M=3GV/4!]?!O7OM*@YS'JI79JPGZ*KU':*JKY?N;B]$N

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ZT0]QYB.E]>$WYW(RIX=67&;5*5=D3I>C2[0&:G$4_$ MY^A3,;FY*8>Z&'T(2O$I\]Q1RY>C3E$@>69B;C$"[3I%E&J*>*HSI$F6,)4F
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L,QPE!%-$\H04SD@ M&#,&)T;%1#VK(YN78S)9]7;.V#=L/A/GL.W),%"_9\ C@>\HP$AUI]:7FOKXCF#*%]< M;VBY$UKNG(8?3:24YJCE%B)I.4$+
4:HT3BE$L>VV2U:.@6L\=^[+!FARUW M0KN=8'\$T ^@'T!_5M;")K$T.4.,*(VH 9.&I8RA.+%:5(6: M&.V^N![IQ0]Z5_YJJJ($T=A@Q/2,(EH M+N%'QF(D99(
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4P}^)_[DQTK5^'1}:> M3-@TR[,$)=)@4.5S@SB6 IDL45RV9V,FO9>%G^Y%;G^Y*&J"%- M*$P% 8OA${57@@2 /JJ-$Z0Q3'#PT+@M(#"-=U&!8UM/*%P%570GMJ!@U- N4&&IF MWS?
-4RK!>UX%AP,)G^6FGM)L@V_LJ;ZQL28>G&_%2)6WQA7["]F$1Q0ZO*V MV5G879@9893)D,E2B2A-*6*$&D1$+K U4F5J*VEW;SS7O7=,]RMPXB]F:Q%2
M.S2DCL%$"G!UD!L9X&HW<*4-Y=)8E!+&$$URZ4) .6)QBA6):<+P5CJG[0RN M3JI"QM/U5_C7]9'VO^Z21A\,1$OOOO=U#YWUKB(X>-MGF4O?D2UE+8N^Z% M_E9D1OIJ7-.%?
W9EAF)2?#17LOSL5A6>>3ESP7[>-0J_!!%LVG*G>_5X'':B M_>FV[69FH+:C+T;#8@3#F(AJFB?W&UAFRL+V]4C@96M/(D=ZSM\M["%OU[_]-/U]__WEQ^BZS?1Z[>_ M_=KGOO-
9AE_>OO_A?7^3,;?3^?_\ R_#+]S_\\NZ'[UO[!F.,;Z_?PQX]O %G^Y?6;ZY^B=^_A@Y]_^.7]N[-/'0*?^'" H1DF7UKV+RE9?EV=S/\#_R-I=I\H[1EWN
M@WCQ1>2WQ)U^_5H=$/W.%\K'\;V;WL*2W[EA]H@EFE-+U)'+6@SJ5VI&^06F MY*N9PN/K.6<7699_M3SP0SK.W(I*SI*8+%@B/>WA$2]XM1Y$* 9$B+%&RA+@
M0$DEXIP19(V*32Y2F6C\[/*VWP,(5(7OO/36OK\QWTUK4)?JVN__W4/!XB%# M?2A8G)I]%;5]_X!&Z5;V)<2ZGLU3CL_1$O0G?J^R_FVIM1FE]$#*V;"E;-$O
M)/10ZGYY(^E7,1P*X&/C->RR&E]$7SMJ<]B4Q%>O&V/C>_>GE0HK+JONC?UW[[M3?0<>?6\:8#9$L:#.N[&FSW&C[6L,75W43,,!7U9H;S MJSJZ+>K:
[YAW"F@S! L,;,323CZ)RKC/BDD=*7A"''20)%]WXT/4;,5+.CP!/ MG$Z*83&$Y_+13D?>M!?^$_!1:71&(S+.^],<-]5S;6WI2R&J\.5=_!X(8=. MF,+C:S/!1L;RU[10?P[AR;(VU4=T*6!W
MA\";!I:X]]C9$_SB"74#L-C,WSVMN^[GGV;738RZ&0$9?B@:CX]?UM4%AV_& MIE(&-MXM>%'UU\>_K%MUH<5XXJ[W>?7NK:JHU/06%LI3 VP=#-I4L/M_^S$5 M%^9B,!OC-
TV[X^8=8U$#'7UVV0]&^2&@[E84WN0,3"V&_AV@"31"5<$7;(:*= M8=F0N=$?3,>?[8O*=0SPC5_?!EQ3NVF.J_)#)6YO?17;4;L#\)>S!C>W M1Y-*%&[00!\E#,<.#=#59
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RDE9;T2G.=$2*8L2%R7S$Q<#A]G%"5)FE.6 M4&VL?K82O-Z,?CWS)!%7&^.D@M*V9(Y2BX((6=HCNX!EUX&?9VNLW 4&FG$K2JS=P[,JX*>,AX"(-M-06G5BAEQI/F M7B<3?
Q_Y@;QS[ZEGBLU_75__VJDV%^+ 40\\9]8TQD_:)WQO5/A+#!Q*G*;HB5G#]C:G 6H@^ MP94:./6C&UNK14<]EGW0R+WMYJZZB%Z;:@(*;C_!P,LPYRKN92. ,NJ^=EPZ M&Y'C\!&
(GN'Z5]V'!(Z'>Z Q7RO(PL,O;8N(7[[J.ZJFZ&?@I]L>WO"8U:/5# M6%'CS 7_/GC@_[06://"]I#[2ZOCS<:50_)FT;Q9"^-SC[H#2\;E;<.#[MNS
M%L>6+87K9M5^,Z"T3YRQ\J.S&W&,_K\!C&O868+NUG<_O/87&%E-G;VZ*P7Z/IU9OFE0L!P7HYX[?\7_*$;B@Z?P!O"?IHAVO &2 M*A+.:3;OY? 2D5=>.Y!R$6U%4Z^Z/^@>B#8?
T'R*:K#$1ND*0-FI:55Y.":=0 MO(C>M%HT/&8Z;\ &3){?>`IZM24#=IEJ*[>E(Z&>9\8BH*JQ?.WK0.7E'$};/4P5F9+" M*.VG"OEIT-RPLS5JO@K>,K_PB(/>^^E**VCC;>6GY
MYL.'5Q'8AY=>O^92]^35EA+T(D]!E6,9Y0G):9ZD7_5[U_UIS!B&.IPM3VO_M^U6Z9V%>_>MK/*M5WC,@FY?B./YJZ8G[6X&ES';',#"ICK<;)&IJ'4\8%D&Y_7U)0QUCDD(R.4
MZ^E73>;*O^]'U,B!4@(YMP9=93Z(;F8F+4B3.;)[*.QCKH\@:!;_:+VM8W'G M!8([_]]G\<5-%`B]XZ&? MM%\!V-BAF5E0[=V3HJEOU3B2>Q+ (?F&.7=2K#_MPLM;Z3?"(Z5-^-
AF8:F7\89WOT_L$'+8EB,Q/#."6&U?@2^(FV[MT%'A'W37*_O3!O)WV5_1=^_/VK)V%%\3[AO7N[N:NS]<#Z"!GJV$X0VCW<#]>+)U2S!CHTJ, M `;#!JW!SV
9L<)6!_/U.M'%,T*K^Y0QEX^YZQ>65 3@^>J8-Z21/^LH?%']O< MZUOI5&X'=:LNEJYGXLRA]&[J4+XMH>!U]KNQ:P Z,%H=S+-$9\;23,>,_G?Y
MR=4A&'1/;4^#5J)0>M;.1U$5G2TVG^M@=8Y=_JK_9OU=77D)^,Q,.A6]YW]S MX@6TX@_NWV*R8(T%LH"$CJ8&^94U+V::<,[?W@T_-C58UU)774Q
M[3U/(M!6Z02GE#XG8,PM=MNS1*N*-+ST'-X5Z[FATU=7\[MKV0UO&NJ(*\S_?P%8+-#//V!?FK4R;9TZK8NFV<;P;I$,=&EJ/Y>F M/,:B\=?;G16CU).BKS_4U#
[!T@)TBL:2%W,0B9Z+=I8!,)C3=VLJ2C/YY$Z/ M9UO?/:A,/=_?I.^4[;&DM^_FS.6C=[OGS#X%V[?+OH97+S^ARPE2GZOG4;/AN MZ"*K(M]EN#/KNZ*
[@N>Q7EZB3^??:59ZF2B<3BFB+]:P<1(V/L+: M]65]VABH-G"X42XV7E.9MA!5W5_:!97-&\#NKOO7I2?I_/AZKVP\B/<,Y=# M<\5F<=FF+L%N5FQ6E:
>C(=3[SOUD.A4OLD]4[J(ONOI///J9;/5\8TN'=$G8:U?ND6B['W!EK?,\)%;1XT2L=N#6TNOGI) MT9_I]_]VBLBGYNIVX)7>,$(_C*:C69.TWYNG.W+OU^1N5F+SQ?5B!6,?EZ!N MP$
OF'L;M_=>G61))+OF, M-9$!04;[41*:]+]@S09W9N3J3'J4ZUMG$B\& MHS1>WCYV-\DCWJS8(-;Vl\]<>OGS,(F[9*W.SU+7FHTSMW,QZ:W YE,&_K MK'$3-
4&CL%AE,?)M(=VGC:3QB^?LJ+NS&7S&N"I)HNC?Y$9#R=1+>P+V7KF.DN MZ1QBS4%';[5@-BX8USDLO%_?'[C7K>ML5F-@IG:UB]6HN@N2&5UQ?3WJ%#?
S1<3LXKTTT+VW]:-U;G78]:K+D052Z],V%O9HVW0$Z&H![M/X&HKU<2O>ZAUZ90@@]8[IXXHX*[5CFO.R=.\Y,V@9XLUDGLS2E9:^*/0U+6
M02=E)2$IZXR3LI*G)6615_^Z]4/BVI_4C\!EP\6-..M:,8?B[IH#N,OF^KR MV]&5#T=1WL1432[4:1E'-A[M+99W)S5m=3CKDJ"*J%LZ?N'"*O&#;:FU=
MRV'O"&<+)*Q5]W:A>"VZ,Z1AXJXM__^9^%7,VV+FNN:JE+C6%^"B&TYFS:\VH M%\\98:L:L=P>D#DM/-_M,-E#!M%C#.!>JDD7C=KZYUYW3KD#+QJ2' 49'$RB4=/,M/9)0(N91I_*-
M/8 MN;2+JIXL(6$O5,^YUD7EHC!&>B$]2(":5-.M'ZA*,"V_/#INO7(= M]R>PO@.@&RVY+YS[M%Y-BNI"T5TX?/?)V#6@FV/JK_IRZ+R MJZ4+EY/KH?5N;.KVT&9M2E4_-]E!-
W)W]+5A/I.K^&PT:ES;LV_F ^V&,%]3 M?T)43W19R5]:PV, O&WCVPE5%7_XI#NB^;Y'W;-,@Q;QCV%=MIP_N^_B5_LB MA]>KD+//'PW>/2_C*543W$F2P*#[:G!;3)
(YTT4*]$]4E*'6^6]2 IS5-SE!C M=/@Z"6TKA=[MC7#HKO@KDOJ#6&DPM5:\3(RZ&<&:?;AS>3QK4!VTZ[F5XH6G M/Z]TA_E=/WO%^\N>N>@WG%:+S\$3-!AH^&O/S-N;
<=IW>%KWXT+!!@ M&%VKOZ9%XR*"U?_@PP/AUZ_=CB3QU8_7O_G?\-4WC0,7/G">6`V4WWCQ6!W MCQM7.1UY$[*:-M4YNM?W3G5%U*PG/(10\^$K==G59MN?CKT
M3SZ^63X<0G]"KE-5U675E5E=\ M,7T@FVF+@'+%;3'Q\8D&^02!MB'JG=?=VC?.W-QN*G-O27MIEP70RXUT/>4] MIX8VFE__PM8A[HXQ>C'8)! M3V@M.?HW.?
@OHNO>A>/[1C=H.Q-43F*Y]F9SM^$N\RC,69;T)7KF\>0WA3P MWLJ%;?HO8;M]"0?7_0ADDPOS@&56Q;CQS+7#Z:UF\$YMM1>LS$2>Z42A.-8Y
MHAQ4(9;$*4H3$9.,I#)-5UO)/*\&V_=%+3Y\]$S#!V]M*T_>.Y385.?MV/?W M2V*F$*W3T+E|*U>C'0((TO\N2K M?GA0.ZTF/NC;>V_&%Y@]^=ZGWL@NLA=_YUXFRB_(TW?
FZ3/E8A>/>$?_U[>3 M:CTVM /*#!.U?G!^^V1:WTI/Z_]=*C%^G4A"JZ#S;"RD?0QVVNU')P !WK M@'D-^/.#B!3MGS4JK/7"1#]J,7-TJV5FT.1=Z M/
8;S36ICKJ=.#7::&/JHT9EVJPI/8>$[EG5AI5C&%AO.ZSW!1LE<-XCZ>Y M8J79_=M$NO7;]R92SD%7-#U-R< >]M! MM22@VM+Z.8]*@*Q3518"U^R.;TC@FE/EFA=2L0-
;!6%T3FP5N"8(HX/AF@=9 MG8^S(U=M5 5K9]7Z[5W:"UBOPS0YMY7]L9DJG[5N)P1QCUF.47E0B[%(1YM6 MX3]?CA[6@LDN0P)\&YSE95E<_&*)08SEA&>&IEL]'#8OTJFHZ*
MYD&___'[N^]!$L/"PX7D5:2-*F[%L/[G*P1_^7"KR3]?%9\GEZ/I+=+E!+57 MO/I7GM&N?$TWH7^=+FN\&"0$A#QD,@@(N0^3V6,I-I9&,!D*R.$1(/8AHP\KF@<-\) MT:',?
-^IR.FDP"B^P!1K2C6DFG045E"88,3#[?/FDZW@8{{G;_JC#OM.5/B0N^B^;Y'W;-,@Q;QCV%=MIP_N^_B5_LB MA]>KD+//'PW>/2_C*543W$F2P*#[:G!;3)
M5W+4=6RE92)&298X0#4$,<4% C@5BEJ32YWN^I2,D0".YP..+^+S#*>@9T/.Q M)VC82*H$1T8QWQ#"(,9%BJSD6&MB8JKB9?3,LUB83&"4)EC /2E#,DLSQ*FA M\%W&
<[Y2X6/+Z)D,LBP+^'D^^!G@,<#C'N 16\T(51QAY<*I2$P0)SQ'/%,J MI2G3E*Z6X ?1R$S"V>5>SBX7.3BY2!P+ZW+JBD[M
M3\X=W/GF0Y;I+&1AGJ:2Y@(DH':%_7C*018JB5@F,Q/+3(]<+LM":C*2?>?_C+E=;_ M5[>\4N,?X7VY0=0$/,1$V\N=:_Z.J80U-(Z8J4T^'DUF3O=Y] M[G%@-0"0^P:-RA0?'6X-
0,*TO5[G']:#7D/7NC9M$U!MFLY0O6;E:]MXP;W: M=6K2OJ>5.^7U#9ADPRY1?6/,"W8&/^GV?GNEU=>.^"QH!AU!^5;#D?GLFJ^M
M(5_7G,BWW"T\C;CNFZY.U'3<=N>MQ:2H;.MPP>T,^IZYVUM*,KL=-?V(%VCS M8O>@O'<(#EUY=T_B2S#8- (W:T&S;63J^TG?=CCKX-B!==.)M0%V75@@5M>K
MKHZDF7PR9K0.Z3WF=F!?^&YYH$E|;O"]O,6'RAB-//MT<.VZZ8'M=0L(WK95 MO1L[C7QX%Y7*=7*M|(V?TU-T|RO>ZLT[AUS-@W<\Y*S|(;"NH9Z2K.,*1] M[?5:/)\.?
3UYZ,C_P#OV$.Q=D2O'9C33U(:E:Q[==:4%>/I:NM?*6=3+AG[P_ M_MW0HN]|F$CS*1ZT_?K$YG9]ZVUI]VE+9Z+U8-SW.9CHOK^E&L)Z_?/56'PP M:%1ZPTWVU4+[R[]].-SG2T2N[-
!\1KJH&IW:],>;WHZN=%&/A^+NTGU[-19: MPV[V AJ+9DG: .,#F@Y8 NQ?Z6Y$9Z:LQT()_MN^,"XI3O^/6S%_R>=G>#%*K7-1G;;=C,+J&Q'7XQ "L(P)]*:?(KH+Q:_ (6M?
G8[W(3;RDL M-3.Y2##^)N[IM7=;?\&X+_0KZ[>J1P,I6'O2.O9PMTV\N2/9/OO/0A9%YJ0{@*:473V_&>]'!3E^]8N8=^E6&:89IAFON?9NB% M]HRCG]
++332>!:A7*\:YJ&O1NA&$YCH,4ST^ZHC*S!18*+ 1(}AHJ5#J\E MJV__];6:5A5_2P-)K!38*? 3IZ=AJ5S!9OJ-C!48*C 4(]BJ.^7SB"#@-I] M,\+-8=FAO/0/(W>PUX7GMB?B*P?
0H?;5%NKZ)LNGID<$QH7+!6PRK(,:\T0 MYR1#U,88,<)3I%U!:2HSE>%\)> HYU(2)A'-)?S(6(RD3!*D#2,}M;B;"5) M?%W T6\S#\&U.
[B_=E$ACG[_++O7(%R*R4]E?;]NA,]V\F+2I^8I'C"#A(I__M :?4"ZCVJM3TU@/F 6"+6<"W@VJ-4M=R54S :I9HEB,;,(&ERA12S"8N) MS(3AN\:U7\]1VBJT/;7BY $S04"V@&P!V1Z#;
(QCEF22(6,-1E0J"48HMB@A M'E46YF;G;G>9CE^VZH %MQ]\F%9J'/.\UY,U(P\]I\^S70E__MFT?4@0]" M)/0N";U+'E)L4F!,06P@&;LR95)8D"48HXS:6,9Q*F,JGI-K/M9WH\N.E[]O
M.?G-J(NRGKM"W[@2"W7QT;RUJU]>]J[^F167TF]%W<,W(U/7K\E86(Y^/MR7I ME856>T%G#W!]YG#[]"QXOS\,UO'K=;48=@SF-I(,97DBP#K@&@@E7MA+L M I*)7-
N,)EL\^YXZRFG6C7L_SV!62FNS^O/TQH?ICE_AA0)SL/ M0@@X'7 ZX'3 Z=WCM&'2<"D%PI("YJHX1]SR'$E!%4E RZ9B:[KT)IC^J1Q] M>&^JVVWC],Y/'@-
,!Y@.,!U@^@74::X20.0,R9BY-AN,()Z0%"4RQI2)F%!! MME$K=56C[M+?VJ8=V\;HW1^FGBA(ASRZ9YZ\KLVC6ZWO&L3DUGGP)#M1A893
MCY=J1)L<6TJ1S'B&J$X,$IHH%%-7Z53H6,1Z6:IAJD%\"8- ZN6(9EF&A 69 M:+@6"H,8M,0>:$)>AMG+"KOC[T85,#9@;,#89SEXM+9I+%- 5B,1372,6,I2 MI+*4
<0*E<5DQM3S6[M7M1\"MR*%K_QMPBEJBD\?MAB1.%Z>E:F'KL^DQ_- M\.XB^GY:N1-7UPQ[V M[MO5^?D.P>9S4;M&VF*R6B/U8H^-1&&;*QBCJ->.X1$OV'YQ)8QS*RQ&*J,8
M424UXDH+%&/*DYR8S,39LH"Q*:,,I009D4K0{G.- ?)I(C@A#"1"LJ?!+2Z"%,+S^B10%^(W3D(M.&Y0=0*JH9%OKFPX"-DQ)^[4ATW/12)%G&7I?F "}ZW>/0/%A7]>?D
+>^H=!/G5?!O!3@%SPKB>A6[OFBV'W?PH MAH -L.GFLZE441LJLX,)0"<;R({]8:%,S>FH^8/,)M,7?>@9T8=0"X:8&A!
M#]J'?;U7$>*;G#R?,QK8^&5Z:ZI"=0W%16_JVMGD\W6(WDV "T2EH\45 MF:'@MPM;MI8$7BTXZ;;=;OZARQQ,DV/$E6OG+(J YMSP/D0?JO(3X+-JQ?C7 M#O23^.J'_WKM?
\-7WS2:XW]/\?U1%23Z.VTBKKB2(Z8]\ET7 .!3V8W__?; M]]ZY#[HC="=1^:E>T$ =QH.R>1<)?8X]]8\&,'H&VW4*Q$Q9YKQ(J^(\1B0 MPWE>W8/&4]*X5#'N'
E;!W32,ZJFZ6,FQ,LLW5\5'$#;SNQ?UFAM11V;8R#FX M>EJ,1K6!W6Q\92#F1G7A9P"*GJ)T% M74=G,D[S]K,Y'+PS'QPS1;^9<5GY5WW]OAP# R8L_N8R>G,+
M//>QY3>@X.8RSV[=G=\#V0[+>EHY#W7C):Z,+[SF/-WSHC2GK:,BQPTN%RV MP@+;PNUU^YB9PQSX0;C_@2 ;>AVS<&>/Q2UHKG4!#-V;AN,U8VWC$G=F5V0+
M9Y1%=T94H.H:V'9O]0J7DS#W6.-TI"YX__D-Q}=»)_]ACVK]?'3@QPTSGU1E MYZ3O1OR#]{8];(:1'PZMNBPG T"(^%,-C";C>.$U<3#H7?P&7J+DUUH/3NM-! MIF,')&X@_H #H,?
EY7D?@)T1%5P]Z?!SI&=.@OD&U?N&F*.7; -99A3:0Q8 MB_4@P=> !)^#Q)L1"%03O1>?X>TM/N1T'3[,K^SC0I]I^1P=YC+>*1#-Y6:P M"
">A0:18RF'&)$":OU05NXFX%%ON/7/PB&EN&HB0Y70"G_AEG/@%=^>)BROXJ1@.G3*QB'WMBG4P-H>L M_Q;P1747-5"5^?7H'N'U)^?$<>@U7L8NCX5^E5OL@AFX.^[\9S/@64
]=S2Y MUX/ &9SJTCA=;-(Z-V"",BP.F{)6S1!*%3V?*F]C7B04V/#Y_\112<-KFY^ M?OYKG1:*RYP8@5S9<40-IHBI.$,XE4*RQ#"N5C{G&^C7^%$4U?]Q#]T>&#W8 M0_& ,>[<=-
[#P=>F'4XN(K>M+%R_>QTU,ITE\6## M)@_<6;MS$T36?=]XB47G.U:@YG\PSOQ6H&:G\KI4+<'!0:D@FY%5!/CXL^1 MG.?B(6>S+72?JX4I YC% ,JSN#R>$_@AB67PPY;0&
M=*_^!%GM7N2N]F]R5RX\!][J@]B<#'.O:@^PS?"&S\4M;)A_IG-!@$I? MRMI4/KD/ACB>MKHY;-C*E=/1RK6-#=%[S4UA*E&IF[O9GHDF0@@-#8W6VZ+;T/Z/*P#07N:I-
LF_G;43HHNL3T(LORKY9Y\.@! MX2=/);B-*?UQ3@?^%+!NM,55DO4>,:".OZ:E4Y4\6]>>L$#Q'OEHTB["K<>4 MK28O&JVS8;\-)NA^UWX/DN9\B"U92VS:N#A,0# =.1_UAS6D50-
"#D7U4,)R M%)Q'GP]Y8O<#]J9&.UKG%#3S08?LHY<=S#1_.9CP3"/P)OR2!$X> M1N#ER#2Z#!1WTO:0NR,Y);4@&4J%Y.U&LM@AM%."VHL>L<&[LVWI3,#@=_:]40L..?
K\;@EJ{1 M+&OWI%<+Q[M_(T &_D2D2L[-)]1@Q*P)9= E]/;T15LQ7@H[B[=MU=CYR\: M?>C572N:\;,ER9H/VG7I7NAO16:DK(9E>3G+ZOB\ MZPR?>1[1'N)S%FN/-
;Z9;MMNJB4*+D9#8$OD3TDOQ7127BU^ 8O:?.QWN2GZ MYH\&+L7PD[BKKUY].Z.']LG=%OH5J-O5(X&5K3SH'7M!1NLQUL8@AT/PU#Q3 MQFS96=,[1)SGE/S4TV-:T]YG;I M>.?
M:,8IGE'>.VWLH>[EA\SIR0%PSS]#Z7E_VHRPY4#2+Y+&;0]B^H];0XP^ M-M+FK?WBI+[O5.=X+1NF\1J-;EM,VBOFJ>CN/X(OZJRW(&JAJ*<6TN:S,6[ESY M:E[0MU(!37"@4\-
BVS.O0[XL5PWOC/);2X"N&S((".Q M=5N!8LTH=[@0C[^GUB"PDT8EM9]^\]7F+ZZ?_-/:@ZQM_79)]E*?GR\13T MD 8&A["%6Z2R0T*OO96@VB95?
OW&A024TQI4_WIS5XGS1K,D@-GZ@_6 78^E MJBH3O2\G8AA8:->&:-=C+[C15GPC M[MSM\ND4>-QUH!^%3@\M9KRMR:^M9;PO870F,P[D?,*;>WXS#N1\PIM[?C,^ M(W(^_JF>
[O0.Z2SL8$V034O[VJ6$\N+H6\?0)8,&VR-(MS#C0,XGOKGG-^- MSB>\N>TG]J M?'7PMLKO%^\NHO>53T*ZBVY^)5.3SDAV">V232_I30#W;,$^ODOFTOW,V+/I?
M*HUYRJU&@J09HESD\!O'*+$$QZG1,4Y7VI.17# #_R%+%=Q#8XP8332R$DN! M<9(88E;Z7XKZYGJDW3_S/T':^KS;:DI.QG CV\'>9Q\,%VF3P V]YG?-C MME/]_QE(-
FMV>]1['Y@Y,'-@YL#,@9D/<4,/FYF/V^2(E8E9DB!.+063(S5(ML(RCU/*8,YD8B==T+,LUF!<$;(Q${"IXC$22YS!CHE,FE&6*!9/C8(#M68?L
MCW!T/<6O=?".*Q]6WA;5"9)C_9S;V/FVE-Y*L&##&6HQ!C^2Y2-RS=#EUY6.Z MA^V;>)XE?!ZQ4%^@G891'F>Y2Q)CY8 MQ%Y Y8#*1X5)^
B",@4D"D@4T"F@$P!F0(R!60*ENQ]EJRQ,1?$QB@6AB&J MK$2"Q!QE*8ZI-#FW<;QLR6*J,YD*@YB(QG'.CYA#?W_&8\ M)U.HUQ),PXD/.);^[YS3B0\PEO{OG-.)#S"6_NJ,Z_156)
MT636:/8NQ!4\,Z?DRW7[]VW^OE3VU:,Z&)QZO-(VZ.?HCKT#: 30V!MH''4H MD3":)41E$])$4TS@Z1D!@D1$TJ%U%@ERZ%$J19,9#%%BJ8QHJZBC- V0R2Q M$C-I8VS3Y5"BGC-
S=_%$24QWE\<9,#-@9L#,H&@%T B@$4 C*%/J/+1XEM4$ M:H:,T19110WB*J&B&L,Y40?)M%76.L&$HY#K^,(J[;$GS03H"-"Q5^@X M:L4VR1.768B1831!-
,\XXHDQB*4RRW&6I82J%0^BI!E+7/5JQ1FB,DV12#5' M*E-Q+$RNC%DJW.*BFU SH"< 3F#TA6@(T!'@(Z@=#V\%]J4A&9<(JRM0#15 M.9("2Z0(:#"$4ROUBM+UE
H00>DZ/.3L^Q/A=P&SV"V!/Q@5E]Y)[^L>.O5N MHGZ>W=O,#76O+T8?W&C=MV@H[LKI!)[XV>BKYNDXCB_BKSH" #X>9_5C411.E>-G=L$NI=\=K-W(VHG!,OY^>K5M_?<
MBB\P>^*=3[N-7R0D>]$WABF&*1[@%$-#\6TFJ_Z__T<6)CD/N2,N=P33+R2/ M/.I,O!OZ#E=GKBCOBCZNZZBTT?=&F5MIJHC@093$"7DZN3SDA/@0%O%0$E:V
MC%A[8]IM$N77;T;1Y*:> MS(0#$WV!B9+ 1(&) A,]CXF"%A*##1DYG(AY@&%@IUWO9DA395UD.)MU!U M)KK3.Z2SL(,U038M[6M1WT3FKVGQ M40SADV!
[!.D69AS(^=0W]_QF',CYA#?W_&9\1N1_%,]W>F]5$&74#@:GO/[MQ;N+Z#TL53VM[J+:J&D5ZL!L(REJWQ;K2^4,GD4^($VSE!F.$4M2BVBF,B28
MBA$FF;9)+F.=K'2$3A*#K60I2AG)$*5*(8&-1=P0&YLT5PE?*<+@/ ?7(^W^ M^6'N/]A=:B =\)SL-CGP6-+^ K =[(8>-K"=4XV$P,R!F0,S!V8.S!R8^?"9 M^:A-#IZ*U!C#$!9YBFBB+!
(ZBY&BF<$X2W*>RF63@Y-8PTTQRGEBP.3 ,1(T MIXAC):6P(L]$$DR-P&V=X,C^#*[Y651_FK9JRO 4_BT-0KJ/$!-X\$\.7_@_0$: C0$> C@ = 3H"= 1K[>'66I(8
M&9L$I6G&$24Y0=P:CG J3"ZMLER;96M-Y5Q*PB2BN80?&8N1E$D"IA,C*B;6 MXDP%:^W0<7.3&_'$LZ%"X.H!]%PYDPCT1[95.9-5"4P1F"(P16"%P!2!*0)3

M!*8(3!':TCW.6>K?]J#>HH60Q3!4K0AYT6'&@9S/87//;\:!G$]X<\]OQH&< M3WAS3VW&+Q6*'FI;P'/^+:I*C";1L#5J[D)$Q FF4QU"/,3!NI\..I#]N+!.* M F@$T-@;:!QU"!71*94QX8@DEKJ8J 2)E!)D-"$Y!PS@G"Z'4)'<$L*M0EKE M%E$K"1(LPW WU:F..='<+H=0]9R9.XRCXB$1,T!F@,R#A\R@9P70"* 10.., M]"RC\Y1D!"4\X: I.8Y8(G+$> R? 2*H4453G]J$>>>RI1@(X '7N%CJ/6 M:U-01065,,*62D09SY&0)$-I@KE*,)XRO^PXQAGC*.\L25X;8$[K&907E& M)=>)HHRL%,PY0,TV &< S@"<0><*T!&@(T!'T+D>K'-1G @N<8*DX@FB,F5(MB%RBC-DLSK3"*LVW478BZ%P'!YQ];R+!\K;_LVW4008_9J*=@%U\7&W=#_G MKB_"Y=+:;WWA@Q=EEW/[GVD]*>S=$S2"+4SUNHY*& [TSXXFYE::*2#R(ÐCBA MW>1??D2#:')CHM?E+;SY+KHQ0QW]Y{K1/.)5.X!$HPA5,=))YB QBQ'#N78U M@:BU.=$R7PECP51G,A4&,1'G (E9!F8HP\AP+12F@EBR<]'K919]@9:+,9J'N(BTF[6<%/&!DHCM8 MKXOH/1"_ZH>\1XS'5?D9%LR] .Z&AXG;$B3$W\9%^=>3 M2(JZJ"^B_:W<^QY;P:=U 8(*!CX<1C>@50SOHF'QU[3043$O9!^-IY6Z$37, MP2\D#+D$%:08B>%<4!?U]R5<9$M_"J&\"3*AJ:&E:AC*2)E*AO(@,/AK5C]SW M"BA157?%Z(/;GJF;HJ,CI9K?*Z,,#!1V>@"\ }K({$&8^_[>S"\=BSO?ZUV, MM/NPFL*5YO/8C.I%:FB)84Y>-:R*$M-Z1F>5&8(<_6A@!^H;(EH;*JBU#6, M8%(,W25WD:C<=;"*%;RF6=C:3"8PO{L%V;U>-(,$WX<$>S'Q[.;G59 &I7Z9 MWL(*JJ[_@\U=+SV#4BTLH@)PEY-$(!"9DF^&L3*+V:REI3[B5CT(B7D MJ^57'S]U'^I^[\:R\AK#]Z!3-}]B_RD9>+5K1@XC #FOH]43$/BMHF#+X;#\ M!+K+Y5F@7N=W\&Z'[NVM?\6]WBT$C-;KY4-Q5TXG\,3/1E\U3\=Q?!%_U3ED M8,^'8ER;R]J,105Z62^NJ1V<8IMUA[Y^ M,P)T*Z05^"OS4 MK=Z*1AK8*83=OTS8_8_%J*AOP, [Y4):Z,7Y")$?(" L98=L\LM1:IEH+AAB7 M*:)4YH@EUJ $_I::$\SE2A3'4XXL9[Z^CJO_RS'UTZ(WO#F/_C95V8MR"YE@ M(>@M0&6 RMU!9<)9%3B6'2%GIBI0PC1C6 &G&MY.0 M!#.U MB6,B%,TPB[>]{C\9)O>OY!\[4FY,;)E'R;U$.LN^ V8W!!0F3PLH3%@D31>F)0K5${3Q1=!&'QQ5O M^:"70"O&&)QN+=PYS#/&&!QIO>/S6]&>Z!/>]_2_E(3\+[!"'E$BJA"&;:RZ52!GA M6SDD;-GP3<>%V_* X\W%28Z4V,,98$"O@%X/0Z_,:,E@W*"4Z Q1"B#$;1:[MCU;"_7N6NX[TH[^22JH-B>"[<$B;!9(A## M8Q/G!A&++#>BSVI?FBY%-XT12&=/$!LL2P6 29Y8+E"JG"!LI$)=PC]$D,Y3' I-<9ZO2 1_JMHQ D+!P!76@.Z9 /?M7E@S\X M3CV(MI &&=(@MRWG!#4"@Z!S3G P!RSF2&0Z0!D0&KIY4=0 T & @ T* <"J%$BCID%&R&)%:):$\0S;E&"+>6I) I+O<58 ME!< T&3PPJZ58P?0 TDOWV_6[=KYMBV:(C4$'1Z,7O'!H%&I3?>D5PLYZ7[| MX^7S)2)7=F@^(UU4QA.?RY*MXDX7=A 3Z"S;;NI MENS,8C0L1C",B:@FEV(Z*:\6OX!%;3[VN]R8P,+"Y"[%\).XJ]OTQOZ&=UOH M5]!O5X\$5K;RH'?L!1FMSUCKI_GE:@[]=G&/Z)CFVX]MM2V5($KEL=6(QA8C MRA(.5H6F2%F0D9QE"<5V&U4D?JW*,8BBNU^8C0!Z?G#7]-B[-JVA>H1[UO/04R46*X3Q[L- NOZJR MWV+G%)Z'3). 9@>]H0'-=E=4@N1Y)D2!N&$$T2352,0F=ZWR&!7$& (9R216B6!#$M$H13F0L$A&K##_\)&*[:,8H#FCV;%?9N2O%/QE1FQNP MV*+B=ER5'XTCU!"*>RZ\$^3%/9&S3,0Z!L3'QD5_J=BZP"^&TCC#.(X9H68E M\"NF3#/0C5&2)RG(BU2]ALK1#+**6&2\LSL15Z0 4^"]AM +&SH>8$8TT80 MFF&4I98B*F7L.D4;I&*6PE\]3=(515?GFMHT88APF2/*\P1)[:)Q9)IRC$%[MSLE>0(P.:!]*401\'.5WM?E[7@*#!_\OF?'-T%6W),2G2:*$YL@$ ")RUK@ MB".),2Z9@X0)(62<5CE%G%&:."IJL@1CA.3(0E2*0M2D"0B0]10 M4)(5$*U6V652;,L69/O^B(@EBEX(EG$!*JZU2&"6(^KBL*1-*%)49S1F@%1L M1?O-69:$(:2%#-$, @(%C;TK! L M-X3&0H%-3G.GX*H8L9P#C F:L#Q1S.J5LKU/::CQ,O$,-"!8\.T^U[<[K8 6 MIY7Q>6T6* U^KP>],KN^6$4HLGM>/!6$R#UY;31/8JD4PO_>V_6W-:1I8N^ MWU^QP]U5QXY@LG(>I+X=H,)=?7VBVG)8ZE-QGCIR%'<7"+"P 4FL7W]7YMZ8 M'"%"B2(R?2## >)[R&E]:UX+>V BV%($ C!%F@=&HD_.*WFR D;[%.)!I8) M[@$F8N$F1(CPF ?";F.[G'RVG!M-UI!K&[HRP(QHYFQ.%H4*;,(AZ21\)DC MDZA+TCNM!=LJ["T=(9PF9$SNJ^R9 -"C&%%EI8P8I&E_G,A> +#%2(WL7U=I; M6U2\O$%;<:THWH=\MBN;V3WGH?#*4-1UJV3-LZ/(>\Z],BE@4H*KD)S*\73 M<$CDR!H6$?8N"6!2 J=M)G6O[A./P*34&1/WR[F^[=0LZQ0]:YJI&%DQLF+D MK1@9L(C1.XZ, F3DP0JDG:-(:::P",&FJ/;38.(1,-* <$7R_L(V7AY'5[/T M6GKC_?QR/K*S&.!\PN6^+<7N*T.J#5(?MN5/I4'J-Y69+[MSRRI^OUC 1V1Z MG"://O<"(L>2!@2F>+5$&Q:!2BCZQD.P^%(,UF/AI#27@\RCF#[D;Z^4$C1$_ MR_>W\LB]M5XRAR[;=)KM6N]6U^Q.=;DK>E?TKNA]5/0F1"L.2)9+Z4G$G2?(M4E _N*,I).\!O+>:BMY'93DQ].9G5!ZXB-*S1._JTC@1E\8XUB3/VB"V-HC= M.S-DE!INB$*82@/$.Q195@ELLH"<,B&=@M9!1Y78%G+NU?.Q3^34G%;BK#VU.V?2 M?U]7U9O8][/OFD]Q&IM__*QXJNOW#L$465H2,8A87(4I0TR.U<C2MA23Z@4 MPF[E$_$HB2+4H\0=01S'@ SV'H%(1SSUEEN]5>1Y?4UNA1RY 3GB*Y"#SV\' MG,??] :N'N5US6KGR6VS%LEBF4 R-[D5=5(6N<@EDM8+8R5P&BUO;C-\GR@P M(N0HX7 T'$..2(&\H4EK+RUC6YSF(-LL3G";S_*@2[/@XXUE=C&-L;F$OR^Z M)HY##+>U0^X[{$]C=Q5];BP_NCYOOH!2QYO2R1%.E-8IKP$5F:6(YPHA5A%0 M5$-4EEC)E=PBG/NT;S\ (X=R>(\X\PCGB"#(EU*.[EN]2J ,5*<,60T!9[@L$"& M)86T(5ZKF")36]H'1U9A'2G2(,-^ZW+2AHE' M>\6-QNWXWBSA132[_S=0J7;,C7[E^4LB&G2SA5PE72(<)R0S%?"44XL2 \DX M L8+;F,R:1 LX9V_B&$^BF_3&^^G\QC^VEK7CM9&[OW67=\#__\VCB__Y= M$X&DKK(W"*X[L-%D7TW+][#*1P[HT:POS,L[S]>[O [>S:R;I-NS::J)\UMAA M^T>K[<]DU[7=+#\H0V:.C$:33^WXPZM3/AA? Z({'XR%;:F8EFX$&>)?7YX6 MT>9?T*3^;S5Z50PNO^Z03C<_R'A=$--GUDK[KXJHM7=FIG<;0_MAV M;5G^ZU>+.VZ+R2TOD>1<8IG?\CE//P]IF!&LY^27RW"*>2_O>>,_;Z#DA M^C%?^=A39.=8J0. ^\D$1WI[CVANNA(!+@U]- M-'D.? >++A&&=\Z_[W?TNR|/_IM"YHZV//L\-MM\]?Y?YRX16Z>P?@?R %=Z MJO3TIUL":26G$ZSX\"SSP'ZSUU.0M8M>-(U]/IB?=+72V1,LF'*<<)P7$6IC MO(A2RH""3Q1Q1@6RE&"D=`"84,<\[TXMD' 3 ED6/,"\44UYCN(W;PL0"--MG1E2 >WA5K*7+@__")_RZ(X'|\5\[7)72U\)O_ MJV>L@L8)S/C%@8!FJ-'K'!4R#"30'8T#!E%0?)T%C/)#.;;?87OV(^_OLZV MX8\X_1CW)&<(*7#OF5/(K0_G?7^.:.VKRN6P]#*$*EB^++=BJ/N\U'!U0C M%4W&>X.1-DSE]$83M<+&8?$0(^CM5N!Z_*O3W;B" -SWU!:1*.Z\=-RMJU0U] M6:BEI;&8FXBPR26\VDT?0!MO M2ZNT11CU,A\PAQ7XWM"_'EM=&4>M4_BP+7\J=0H/S'RP]EA@%9'(7>MY4 I9 MHP7B6)#(A4K";G4D_F:1N=#VD"#S\T#9;\9A<."MN? 3VQ)&D/'(CS].L$EAE M[0J9%3((#IG>&DM ,$>$, +RN@O(6AM0,E)%H0/%VZ%=3>3&$,"I>+3("6^]-M(}$P^2 ;^EII\1MU!/8=SR?X@=VMSZL@8(7-"IL5-N_M>C0D)*<-8M)9Q#FW MR*I@D4E*&N:T.VFKI?TI.S(<%#;%F<:WU!NKL/T0.JKYV_S8=CRWP!+FI^'F MDZL"LK?R'ERNRL>?>T5MU0\XL:.J'U&F#(*1$.!QAP3B'6:#"8D>+!M+?N& MBD=%^_]93L=OYI-W%W8:NQ=?VHB?-WE!$*Q(TR_)-Q:P^?J;,U^'_YEWLS9= MWWC69%G@X*P6$Y1>7 M). MW5S-]W >SYLEM4+'K58I!CKM=-W"'Y>G?^Y3_C|$:.#];+QO\8"WH\7%FP]X S,.9>5^G9PW9+&ZW["@\P]P\!N]=RS!\N'# M.\O#\N^WKO59?JJ|+ 7Y5]JU1WW;]QM1_YM-?GSYK1O=YW+QL79 MIQC'PSYMO]7Y\+.(N3UA3Q#3R?S#17G49?^"Y5]6(7YJ9Q? E">T8!K5ZS%G_MR]IS!Z9<\G2Z\L!N/OW8?LQ?;.SZULHMZ:@_@%\[>.?-VW%Y_CIL+ Z[OI#C M#W!?.^L*+\I+.0SP??078T"\#_VF_#X!I&Q]?T"'P9TW[R?--*81K$[_BLDE MX.5U29=0KV%;4SI>P"A>)Y;4L?EH M63=N%YV<-=-"'SL-Q"_VY7S_-]JK>)M-N:C)+]^8ZG+-V-LHD,VE^:+$>?)0X;@ M@51^S%7JX"G]XB^+<7"^&8? F$D^23TU>VFE_FZF"6%R7P&9#;_&DZ2_0"4 M_P&.>K[@U,K01A *2:E*fKQ'G%[\-",E%CW!25HF^%8)S>_DYH;"Y9Y$O)GC MH!+F)@+QG.FJ-8Z!D0Z! <+7N_ZAN+OB%M_M(!CH(2L:'/=>6G=47NEU__\M6. M&%*K,X%O[R?T^*>[Z2>2CP$<(6 MS;MR2->!]8:HN4!8P#>XYL:/@.2C$?_,M@"60CNQU*34($-Z? XFZCT&+60OS(=k!X,+E+-&J[&8]CPI#*!* B=%E8:-UI M8LZQ%]81Q<)TQ)08C&Y5P"\GU$WL]/9ZP(C*+^D>5L%$=- <65 MEIH*);B4? UAW2OT[QBL8U^AU:+NKD;U^U8[S^%&>WY.KM1IK'QX'D&)>:;42,R&&85"%CL4'$28&J\<%LE]*-.)>]AK 0F%0 M1@7<(S1#*4@?! W:\W1L'*!GC+,S)9X"#@Q\9B%*#*QEQ3[:M,&6RE- *VI] MX2QV^.)K3^UR6T9@D,"<0.R*GWV,H3N]GAE,!6)DD(BY1! /VN2X8(8"25)Z M+|66G6Z%9WWP@\YD#;OU;7L/?XK2<"# [VL!3E5Q>MABK5 HZ*9(;=8$L.VA 5AB!1 "YEEIBF GL.@%5 MC'W*8FR;fBG'%'C2XA8Y!ET2#]]LVJ713Z++C,0N0=7+L@H|>P;M)+QWI-/ M<0>1*V?5I"M^[]NK&2=?H1;2TWP&RJ-V MW+,XB#=]GS##DD%-H0B&4G'52ON?LRqY[ZNHN8IQUY\UM39^.V5@QYP%9AHO M;9N=RJW9/E++]);U>3_$L+ M:FW6!_]9'V]XYT==AV$;EQ.E=23]ZVB^D-VJQ@ERK6IU=V M/IN\WOP!%K7_NNQRGT)H$TSNE1U] E%Y:'>VON&++2PK6+9K[0AL;>5)|CC M"6W+'2K[M4LMDIH;);U$(DK@92F 6N1Q0!0*YC5S1/KM"NC?&HG\-SN=6A"7 M;@M"T2LNQ?!F=M=!_3=Y,;'+XB%,:<IC.6\6NWG*#4"KWG.7L/#_: M1_KXQ/2D6O *ZX(3XYBOH5Q4OLD,6&Y%80#")(*F60"+X,MVVDP^ LL<6)&R*Z'G MDZL^7OCG'$&.Wf%2JB=C4(9AS2YN.B*R8-FV71(9/4|WW!A1RE?E#]_Z@%N M8QJ_]4=_@7VK@++YW[>5\!)Hf%,:2E3VCJA3()'J*N#8W.*9,-=2CR1G!!- M,9"- U2"C28D,598FQA+59LMB*H)C6FOD(XV@3G.%-LD1B,8Y0&PJA-LBG[M\C8-2_MV^GOF5["EA6@>3"]C*J3(Y/AA&U2RF_3]F,V2?XV@O>50W[SM!4+ M>7:RE>NNEM?-)L/1>G>5+4/3FJ|__7<T:@=^A'S$GR9-=NRU]1TL M9NULGE<=-=N(B;?[\.SSYLWLQ6+&LAX#9G'DT(AG'C=a)Y?3S^D-&QB2DW*#4; MG^CRL<=0;H'P6_=+1>NO&O+- E"LKM.W';TQ:0L3[$[V>3#[$4!%S;B2T .1%[MP[,5'>82Y1$!@$-D& 6\4F&!^2(:[,I,\YZ+MR'NIQ@:$,/G8AB*FV8VD3=*ILH X)+MFIW[/A88DO2YO>YE[4?C*G2O, M,=[XDCM(0&%83_S=%&IW+E]*R3fKB@MQ4]*%+W.XF_UHVU%YZ/>3Z<9]P"&XS.IQSW^[M?-/RE:Y*NWQCS@5OO.TN1CE/T=D.'KQ:)-I._?PR>XMSZY0\F(6477Y>B*)V MF:;[_;\N9TLW113=1P2C1<9S+W3$GX"N;U?M&+#2#"4/|K+]}?P9\[P7LRQ M3X==)#T7GW>W\JBOA)"S->6@0/W%RZM9+|-OG)'5I+O55H_LI^5^ED.4_X!W MP"$<^^7V|S*8F\'),5.%D'BKJR ;-HF$>,.I[M 25]1&=+G$PA M, HL:1^:.#<&^-^0,YJWJWB*|T!X.V.OEH+8$78B93R\CL#H3B\.JWCB>JB! M4SR*A12_F,=]L+A-IK6SCC$4/8&S0(1'5C]&;&Z;1]3S,>PAKWF7(-/]G.FB MS"|.)C9%CAQY@X"}9Q?Y,2C8:Y3W$AWI,&V5=Y$G=ZB*-"->8=QGY4[M_N]D^O?FQVR%R2)..46PB*,6YE$X,C'"S!?*Z9LVH_8?\QSR5,R^QYO(;>%5 M9T<<4Q]>58Q2IZ:,".VCH$8A&@)!G&?:%_9CC4QF%_: M%A.S]MW4)#WYK$^B(4=F:;CS97 MA^\5G&75HHW%6E<;SYM?)\M%'LJ"+:!8[_[YR47SU4!3WC:UY6%L.[^HX#%NZ MW)'[:#0W5.G=9R6; UQ6*F_5_T/6R.KH^VEGI? !*N"VT?N&.G_>_#)DL4T M.? L]'K3HI.!J+V$TV4,&.A\0-NGR.7EVOA;YL4=ULV0"RH/U\RO*\|[#*)>=*MI_G.L]H19UL(@LIA4V-MO&IQZ8Z8+O:@MR3\\MO;_H 6+W^&4MN6/(_M-2RK<&7;L HN6/HX>GOM8@SE M61TH\(,Z_VVG?0V1RB#RTRK7?3ZS_/FS!_F^V&27B)\92#L^^XI_N#^"?=W M3(7%.-H58"GFT7S",DB5BL()YYFL3(XW7-=+>/K"^_(#+ ^*H.-T7EL7)X'2V MXQO16P-]=4U_XMOI8)0L+&.PZ\78?762"\Z4%;1X67!_B-U9*WICX9HU#;[S M<6RG[:0;T&G)TQ:W+D<_'])B+N-@^AS*&6ZMSOL[C'* U=M'VDV:T619,_%Z M8T'ON7IK@L4B6B*6$Y7/03_L>SRU/UEP:Q_Z=--^_*65Y&%/P?EYPU5^:G_PJ M5PUL_0L!L+O/^_2],EPPL/[#Q:.8;SQ45*+[*4XUS1+R"D%R">4>2PH 9_Z MELH+<.!LWG)KAG8>_ -<:=/RE36H6%ZQ?-I M, ||EZ5'0M-<+T!;I"-+2.4H+<<3MH|_&&G6"]T=&(+;=#;DE>,2-JE7X($(M9D!N5Y-IMNR6G,]E'L%VG/+))Y%R<2.!]'W-[L,* 44NK=?1(2@\GU"<?7) [^\O.,"-292!4.MIBAQ*D H]0E9)SA2 MC#"/K1&);+65?!QC\B.'{/8?X%@4YGI2Y^8$BTVB'04FUW)L5B'07[#,KA>/ MG%U.8URU,2RGT478@[CL/8PY.IHD-.^2T& /D*"QOD^)UB59#0X6IG5]FW70"QL5UGN=U 9GKQ3[F6XGF^;Y2^I#RA=.)9OXN>MD1C;?JZ-%*PU-ME"RMT4OX6:Y"WY90L_FX/'(9A)G#[*9#=.%:69DA:&L525@.:>Q;&^SC#[%D# MI70$%)\?U\<6W@@\/&_^O\DG>/MT<\[3+<)-^AIN3?\3)/B0;|LMIC7>-S;PU MS;'MMB)|OYK5F&.?OFDD:_F10^O3R;Q/&KW-(/&\ E4>5ONSEL<|V?*8J|' M?-KE.>^M0ZU^<UZ_9J3[%_YI /0WLZGSR#(BUL2L@>89;I+)[!8=#:(>>" MMM8{$]56.0X=C(I*>Y0"SH%A,"[?SB,+JE),F]|&V>D$>:,T+D M>N FN Y3,^<Z/[,_K?I"=='[V9.I3&*?N3&? M.#.Y;&W&^+W.J;IAQIH]KQ< M/370K)ZJ4W0@!2Z})DHE&[JB.R%A1[;DVAGIV>M MN59A(BQ&D8<2F6.1,X8@%J26RMI$]58KM6,>C",&RY&3L]$N,W.O2B+/91\T MLX>2P;=Y0S%WEI, F@L{JYP&B6R(H+XX^())HJ-XN,1:(X-.)S+1H]8TB;@N_ MTR+/;V%;_99Z9?U;BSUV*3EFAI_S]$N#M_RBK>I9(>;*? 0^IWLN7A$5;MS7G6+]2G2@WNLAEOL^M7K M;_#75 GMR4MH1PR+NN&V+IV[X#4% ;R;?(Q/PH.MOQ"2(^N'SB?K'#;Z &4$LL1X12#;BF'),J$^!:E%0X.I++:HQI M.4Y8*X48|@IQJSC2A'@4=90IJL"=EZ>%:R\Y,N=KQN'+7-X75K&49((1#B$! MHSX+>1C3>[Y&M>H=?1F4G9;JPMIWE$OJ-8^E-- PWTI@NE306ZL7.PKP_+*+A MUHWE6YU MH>PLX_SGVYX]1ZI^^:Q6SQ_L4^@ Q5>,(.1BXIEE@P"61X5LA[MFB*H^&$K0OL;^@0NZCC^U":Y<|)\&M^FK!O%<5?VX/? LJ(AQTDWZTG]SUG]M^\U>E]8M=VTL>)=9O*3&@O*\US11KTRO+WCMJG=D!_R>MSKWIQO!G*OK MW|WY_=URA*5Z6IP6P2V+R\.SL[A1 AH'J^#":PWRQVAR70IE+;J7G:VW+@.& MAA;?-#9W8>|%H=*,+_2OF 45$N&?.+6CLPU4BGCWARQ&P&17$9K+A6T^PEJ4 M'H5|L,FOWYD-W*C]C"[: !+>][_\MV*,1F!CR"0M$*#? 8()VL08IA2:(EC@5W MG -9VAD-A+?QOV-D!4T.Y!O1EBH2]$(@OEB0:9A!(,7)V. <24XS0N*6I4=1-MZCVQ2'M"$1=!(O).2BRU!(W(;?42784).SF.2)O/IR38_& (>S10%2;_LXZ24\9HUL/0%H?G6XD^:= MLXSQA")S!O&0)#)9]_;.1,]33&.I*(F7U@8)^KJ,<#"YC 19@RDB/GA/I<74 M.W6M_6E(*;KEG/T-=+1?QD7#G-O1?]K/V2V7V\)D- 1F^R=TU3N^$$?RJYZL4 M@,Z"PQEBS_T174S.[_L5W=GAYFCNJA.P"75.PQS:)R+1?'KL%7?2,6.6Y J MVA],KAN"""X#FX'AS$DHR(<-T0:)XY3MB1%$]D6&+IA,1=GCHH4"[+D>,M!-(A M.D0MED9$$GS8[D1]7^ZQV;?ZS7QV.9G"4NUNPSO8VN2ZK0Y\KQC;O/E)6>K=MZE')OSDQ0KN13[-,Y2+<_E"SXW9?RCIDIX@-R3/YH@(N'-]TN]BJ;.*<=731"D\OI8S- 51LF/8UP^WG_AF@H9>^ M?*M. 7WQ_VFI-YYB.UN^A[!MC1X=*2GI]4Z;931'5JE.6$PD}!/2D M0/IP']C$/9ZIWP6I+L4)>^LP[>4 &F"FBDL1D)7.2 MF..42;?'12,A$84C*!!!VCO9Y2A812@6*L MDMBN5*52E#;9B*1P%G%,"-)&>L28)4^(@8;Y$(GZA/20>ZY$?^E=RE@<^[P_#EG_+?:HFP MVC(UA@7[;I^+K6LR-([3498HY?;.,VP+T? XJ^MQT2L6CI7M(7NSC[>'J-U6DD M.98^%Q5*(%9P@Y$F+*#!A#'6FQC-EBBB PTD>H>2SI5HK3-(4T=0D$D+#6(O M2^8XKL1O*3AX>R'(7.V924W%_^:.M@\|I?5\%_=[?:LJ#*72ZOT1L1=>W M'O%0}GZ1'=!V:GB6+.'!>[68;V?7\Y+^FD. (15A\58E"]O MXF@P(US9ZREH1?!00+6BOQW1*'MK/%1VJFY-MK>W#.U//B7HU%BY3B%J11-* MV<"GR! [+@6WK_7!AZU\+ZN MA?>?=N'!VXKHWI%6PI[^/#G4'O_"_Z38J%9\/,EN^]N(#R /TR@6'>71M74 M3G-TU$) *!9LN"AK;TLC8I8CSIOF[4IA,5V%6O?'|4+V+K95,8!1SJ370 MZPVRAFE$J0%A(!(9XU:.0,IE2Z4B*.7K$6=$(IT\1D8'ZU+ V++*P49?HWI;"-MQ<*<:.+W2KOW<@(@SNSC!2(S1)+L40/SL3QV.P?^>CV-#RG).A.2CVBJ #102N.4)A6P2\|\YSY)A@2$@1J64J!(UW&L?=UX^\NWGD%ZI= MJ==<*OK-K M/K:U%+|Q25)=P>YZ3\KAAK5F9#>TMD(2)95KV5YXQ_TW;G]!00VSG>73,<.3 M+:SB%[\"+&OA'PSJ,45#&$G>.>B'XME_O6]AU-<_Q_Q "U[^C:3;O\[9S)O M^[J.;1*LIU=OYA]?DA+MRU{(P5I<9 1B6!+H $HE;D5"9,.2F*Q%7'+^'B? MZH?Q_$4,\U$&6G((G &X<7P!N6ULC0DUYT++/ZS;"H<9]<;" M/WWA7G).IWGC/6_CYQRSQWWEN=2(^T]V;NACS[%NXY;/QG_[TVRZB_X'EX ! M#'|6__W#=#(?!S2<3>BK_[4;UM9+YO7,B?[$#2G>- ^V.'[^;_FX43G_HW*=,[_"8W)PA+F7\M]2^^:.FE;VGA:+R:-=UDU(9F ML0)/ 20,8O%ZOC|S\87EJNG3|R>O?EY.01"OT(@SV&R=8)/?8+UN#Z3"3Z2 MZ'0,K8C_$YN=%R=L2T5&)JO)7);Z'$A=:$-?O\=*V)>YRK6A3 MDZLV-?_FIG_Z]^_;<5\[Z8=*>)7P*N'=E_#>?/@PC1]R>9=?@,S:<=?ZH>WJ MDLQR@8?.CD,EM<.KMQY6(OEOTF1W#OG&+L!*4&W?4'0W'K%TA{J0%ZO8IL9 M*8Y_=I?C>)?5>6|*__ICQY.3FO^>)_>5#=U]8>,TBC9M#>GO+FP>P\<]9%% M2E5$SJF4@T)LE(OQVVW!HBB-CN,JN,E*$3-/&8!$;E5 MO^'^J1ZITVF-HGN[Q(.KP=_S5<49UOS6<--*)/LCDGU->"">-O#P@W,2!VZ;Z MKQ41[U'1!CN3E*7(NUS1QN=.- XXKE((VQ&+)+#TU1%RHOX/VN[L%@.YCRQU6), ^^?\CZ4_'K8X#3-Y'D?_2U MYRI'>B'$51G1%SH6A&B"YP1ETRUPEN"11TS+WV**1)HX=W6',O4\2[0,94:'9 M]I=Q7[IG/Z:3KGMX<6\AOEC5]S8Q U+(.!.:)!# PBPE&)D MK'$(X,*K8+A0=*N(]T%.PH_LFX#BVV9.<*_5@Y?)D2Y,"@:%@<S],E1 H.)5C\ N_,=_D8(4ZGC- $+@JAT%GK.0G]HEI2]3T C^]8"367M:UFC[[<MRO$@^I94TBOK+ I.&="="$6&8X>L)U$*.X1P6YTE[Z5OY>)8?7>%@^;K>LE] M.M]ZL,E\3_8#$.P.5/TV46#W,U[=]<(]Q?,T*L]YH[%]*G5-'&#A'8><1$X M<@H^,1RQ%BS1'9T:CV*/6>#&R9AD\/D>L.@1)Z_&-0E^&94,/I M"V$G>.Z?M*!!/8[1"X\2U1)QID 124X@GUT^RC)GXG;DTA$C:GUI,'D=NPSGT1G7-Q4AJ!:\>.25Q@ M-B*E6T'<2H:L/("GO,%KCP53[!08YU\FTQ3.V7Z2RBT/-_&=*2[/L+RI2]2A M"2F1"L160^)]]/!>8.#40T$,VP0LY3CKCB$1FJ'.)8F"]-Q(&^7**R>"[0]\X-2::K2U/.BJ=,+)GN)-9KKNVYYMIV MM[4*;]6^]3+L6X=..M<<4YH4DE@(O^UG2#M%)DV.BC4A;.MT!BYE!+9I F*)EA/N&6)I=,OW$;.:.=GU#P\]^8)V1].T@?Z5/C[LP'%\A*#?#+C5-*19>8.C'D/;]E[>_%XBI:5UGX)*"Y MRL+W+40'{JS7C'E$=`9E8(N1PU$CY;P&P W6,+,W5\8)%*++_2?VIWZK<_$8 ME>@JSE:5&.KBH4C_?B);2X& 0(DF-J&95]F 9'(F M)LR-=^04*KJNH<++>C.M4X#."#YP$\9X56C6N/R_ K9K%9$74RHI<3@9Y+2SB M/"ID@M/(I*"3H=1ROZ59'-_ Y_T_LLMUQ"[^?!]4]?"P_R5^M ?+1;>[D7%:C M>S4&O03(KC+R?8WNWA"A!,5(L2 .ZU!ECN.*&=>!P!5$K;R!X[1_>5V8+W- MZ$X>P>@NSG$UNE>8LR;V)MQON!ZDVC.WDB? 6:>$]S6D/8|&|UK2/N!.1T|HYG@PF2>E_U%ZA2|E^!%,#G" MI*8A"21SXUWN"4<&6!VR!CO!M&:4LE/P+._?\BX(.2/TP ULOGC.GAQSJY;W MYP;ZIZ!@O&#T=1B['+N#$K4!4 HTI$[Y#*R2|H.XVXGB=@?3_7ID)Y-0N] M$-RNPO(#&K#[])DF$6$1#.).<.1B,DCX9)PD1#"[!?(\0MS[:9K@^;E^?!-\ M1=N*ME5*?B*PN__4>^RH8S0B!Q(RXD7V59(!? EN,N;,I,;W*?F4#?&$RRKC MWI\6#Y_SONQ@6J']>%B2N3/.WGCW%U]WYP5Y[)G=M3=KT_5]]_>!VSENWL!.CAJB>J?/63.[B$W&93N^_M;@"VQR&&Q@.*@23<3'H ,F;3YFH^]1< T.V7JO1_=61[YV)!VQ"Y HJD*;@=-M5%%0.ZA"B8D@I<<3_Y.5B_OFG9VP3/N9R.2_.R!YOMWM/$.;!!^V9NRIN?-F]%H,<3%4>_FIG^BG^4CG[\N%%'JPC87-C1QL+\U M&0[AA;,+.X,O?8R9;/(-'[-@P(>--S3!SN+Y$??'LR A8X7T^\'Z;M+L[R\5L=W+,&7N<:\!THDSQ+RB$L>@B'(;>-[#\@J5>]_G MV_3SY=5H3BMR]A<[$-_3[G"),NCK_[!RY^C..3 N8X,B?3 M)@Z3N0G19XWMIYX!*XNXTPK9P'/"U%#K$P]4VRBGG^[A/:\>.]P9<6B^[_EM8>Z'-M5UW%.3_^&]S_IN0 5/*OIT8-B9IHE8B(!*Y$A>4ZO+&)CCF+C,",6NDIR,Y*/[AS/]W8J&BHQR.0EM A949>$[M"][_JN\S-)>SMB41/W491^O$""N5&W/B4E0!&><%PAID79"5@2"W/*U&>]*U M#H&R!C<,2 %)@OR)ADME78*^RE,<[U4TF,H-T6,ED\ QA5,ZS1)- ;T_8YCP[-M)*J[RC>V(/[*GEHPJ^V75+:VP=:Z,:Q%Y6J5JQV]\URTIBLV$P+#L/G9-OI M8'D$LG,1Z-M//HSA3:#2 -+ W]U\--L^NLTG^/GTM!;"C!*.HTQY.7Q3@<)B M*9(Q1JDH#89M.;9E*#0Q%(A%.*IN-9#8!$8R2]8HGH]TW%S7\ M5I(Y^?%POF"N)OPW&A-Y7H%UCCU7*/%;6HPGS.1:A\C$>M^,1Z4OG>R!G M%4O7=B)?D?? @'4,PX[=0R7R\02<+F?83C#VS%7LYF<[*L"\3NO(H=QQ<[]AP7\CL<$Y#H\U'I9>=LV^N:-UE.;F??C[\HB\V M%X;XSU]9:H9D6"U,HIY*CTH&MC#@)\X19$$

*9IVXBBRR6_'VFX_X*Q:]V$D)9@Q9N&<]>_MR7,!U1]NSNC)AU_MP@-[!C*\?0B#S*^'1<^CS;^BD;V>S&?PQ,\QO.Z?3C ^_MQW]8Q$WZ[''*XZN*K+E[9*<@/:\GI:[4*

/@+W<>T(]NC5XHI;LOS+2Z0\-X;E_MMWS.T\]#&F8$Z_GY]7=_^L*]Y)S<\\9fWL;..;]O6.\[1:$?]X7TW-!#SO%! ME9MW4<[NRA+;-+AKW,=(35C%LC]4A+B3B>FVN.G3F?K!FKS

*[!X\V6-713K_M2;A%0EPK97__HW++]RC8'/TX5]RI6/71#ZI>*57WX7S8*JK[*BDQW3$"LU/$'' MJ&.1)8V&-.GF/Z86;OTI.T/_DNV))1FOTDPM7W>8\G6I.K(?K&?,<5;GV/GA*

M3R7Ul_"5LIYT.C=6C(2$"7(LQ.P!\YAA:A#EPG]#*51'QRU+-.DL58*86"YB(G-MSWFDF. (!VR\K9B??F-?_Y' -V=OW+&/3"">8D>>)MC9MY?V>B$>'@RN)_V

*MU@2&:'Q&B#AL=G:.''49';LV">Y?(=`2(/4R2.G`,#%XE[*A#[6+TAUSV(A13O M(]H.*Y)GWS]D ;GX]6PQW''7@_9\UNOE,<*3%':>-/]CH N0Z'/T1W2(*

M$T&0)9XCBJ,321,CTU9;R''0"%USDE@N4(&Z_"3IL%:(F6..L8"&XQ^-_A?2[M7\;_E0BS/2@*@O,S1BH7]XI"W>,7CX]>$\''+' E-&4?F&3Q?2T>6S?O&%O.@@U MZ@QF]-Q8Y-

*W.V#]45:2"\);Q0#I$N1^:"$102"G4#:F1 =YLZ[$W=I#/ T!QO2$27"/-Q8<__#`M\]2VYT;S-55BSZD2VU4I;I]$_@2.4^FE5SN7'H.M*JOU/:X(\N-)X2DR#*.*

M$3%,$6H2262K606+V'J,%;)$"\1MKF[(0%UADB#B=1RU7SH>9 MKK!VU*OB_K.X]K:]+@1KMPYAZ5 (FK_99X5'R,(X#+&C$L:O%)/!)=/0MDA MY^KV8IH5T._6(O7Y]LOE=PJ-*

%X$N+B M#=]M5'#\9W%7?'Z%V.LTBH]1;*>Q'+]69T_CR.:*[^M%Q98G](A$?-A)1T> MMKDY!GYM8_N-7&S;Q5(;'T;?CD?M>.C.]_K.9Y/7FS_ HO9?EUWN=7;8''O*

M[.B3O>Z&ZFSK&[!8PK''9;O6CL#65I[TCCTB :X3UNYI?NE%/1M=1]5%^ &F M1C''#D8N.(1ZI0)9'8)$:1YIB3#BX_Z8'7MS:"_A(-7V+I'+,HKY'VO(]UM MMOM-*

Q787'?,W3']65;=/6+K^]YV8ZW%-%/+K^]YV8ZW40>^MMM;[O@1786C/S ML6(1.GW?VZ3%6N''W%O@]D2-;P>IFX-1+!;M:X+<6^*W440O\GA8WKU%KMT>M M':S [RG%3CQ@S?[X+U)096K&Z(O:XEN^KZ/CT]OBT)=$G#9,"_M!R\-DC2$HM.V!#2$669(PBIPZRR-SF&RU M.:.!1TN0-1S%(C$!?2-[(+_.]4]#?J091X1]QGB&'0C@U-*

*$U"KE$H^9%SP1T"_:^E3E%U]7RY:I MS;>D^C[K%)A33M?:4BM>Q>G'UL?;^$!HJ'$ET]OT^_13SZ,89*A-Y'!..EFW7L8 MSI_AFK]_UT2*

*Y*OL59T"FI\T113P\@?'(4^ZRFVS6!,62Z<(4N_#I=Q)XNFG9< M4@?A02'_G:\;%SYB9^5V^%_FH3DP>7(%7+(PT,;.^\=-XP733P1_"AF/ I\S?:N^$Q\?-!C3GE,E'*

*M3GBI4ZQ3/+DIUD2PF@AV[*S5RS:$47P!J2Y_&8HYS"ZF\4O5'.YQ8+Z^AL\E MV:52S0NEF]'^40*E$<_Q\[]-AZ_>,;+CSH?S^EZQ<3^8=J,O=G3II?-63M1CR*

M4SYG^TYN/87EV>>QN6O:(NVP0IBFC2C0M&M7BM# M7$H,N\-6AE"DS9C"=S\MHP,9>M0@8E]K>'+@=B=/)=JO0MK),FB%M(-!&A=4 MBJ@2$I8)Q"0R&CCD"64#-,2>4?

*+X1Z*MOX0H8UXP)4=8.8 MOP%8 *CL1O. @L2*2F*(LUML V.?@X)[! T"\6 1"8;U0UH0 M*)HI8$@'HA!U@AJI/8TT'-E,RZ]452BK&_JBH,P.*B*6!E'E*>M0&EB*

*=1S=A/*B.%2,"\0S@5R,,,2N2RCZ6*PSV(%H]KGE35XU*1K&[HRT(R MPI.2C%GD)6<5(SKBQCWRS#)RM] MH+G\EP?XI\DCFRQ#+G!L@L22Z*U"8#1A16P(R(B0V8Q-*

*2&NX)_)LDG0>2R>/-MRC(HKG7L*Y35#7U94$8L49X;CHQF!J ,Y&:|+I4!*"AR%4E*&K3 CAY.-5E*4 M,%S)N3?(&.^1H4F 5A^DU%OE:Q\WS(A7**M05C?T94$94R)94,P1(]@C+K!!*

M5E#/|4&!#*_J-O0IGAEB<-0ER4H+Y524 [(SPB Q^%"%@72>Z8?E)O2I5 MRNJ&OC H$U:"]!60#@*DLBR?66D5$C&2:%2(BFZ%O*B@2 "}#4E.0<$$&0VD*

*M,FZ0PS@0R8.WI+@I>E)6]!\K],9(U5+):?VO^(XSBUHV*5M &N:KM9KL/!L69Y MOQ3ZJ9SC=LXAB<=*A(0LXQ;QH$&?S_UE&;>QUPI@YLM?3YP:H(3R), <8T^2 M1*

93BG)@I=+P..Z,&V//6X%9V<<<0!D/G!@,NKYRQS5-GA$E*IA5,*L,^]+ + @; MF>$119QS'X4D &.Y0@4UWBBL&"5|]{LHB-Q2AY$Q"/6,/E\ B9-!&$"&K%*

M<:,.RGD]cc.ZH2$'AR0A'KD.1HDX)PQ!+1A*.2G.1TZCV:H(X1+37B>/6$H@8/FHLD(QO++X-MQ@#'U1',22^*P(GGV_4/6GSHLYBD;&M/+B9$SYGX MOR.7R0*(:T4'3>P)H?*

WO=(G/:>90,-D[D;QB!SN.&6[[(6+X+9*4UH]$(C M15)"G.3Z;$QR%%B(P+RH*8SK1@^=*(DBU*/$'4$'R>'+.K"%H1M"+HO6MAFL"%UP*1$ %!0V3(V@C@2!V73#%E[58- M#6-*

EHD%KY&BNA6D=0XY(@RA26LO+6/'#5279U@=.`"'J8FC%T{JA%4-+'2+, MJ0TF(;M+=PQCRP#4#0]24^(DY9O-]0(DE)K`>U@GM(3BWEVB CI1,L&@#5

MXU9&IV>4JHJA%4,KAE8,/3R&,AJP4(PCRB5HY8%R9"CWB!! RUQ03^U6+"N@ MKL(Z4]1#UN2MR^4_;438:D>]L18$V.,&YN,SC:LR?T_+-7RV.(M_7ZS?K_/+

*M.&T]_W:CX>E@#O#YHUW?_%U=UZ0QY!9'8AY#_-\T^56\, BU2Q>NCAUC&#YK-M***9\,?/''|%9.[N(T]A\LEUCKZZFD|] MK,XND[-=>@ON&-!RBJA 5(C XQ*

MG_/)N=5{^T205B$:1F2N1;*5A,E$BBQR%'$N=9FT1YI!?B\4)}03:P+>@L>?_M+Z|&D^L8W\7!IQ|;'W2#YZV3\,7: H6\`V6GHB@-D_?<@N>W0^OC'Z8&KA[E#8-#/A|/EQ,_W3/D

M89G.&AB/OVC:KCB/''QJ,YLT+C9K3Y@ \C>V^52\=_''WA;_MA]A< 1Q.0G[A M X_K\M0-$#L<.JVIIE%31"-3<(:"P1R[97-.)!>]8:![[K?]JW-+H^P;-A;/F"=CRW*

Z%E)@=<OGRX3PVT.2<3(D98B6-%A"8 M FT GB.KO.FF5\&$%\;1K2*?I$3_&RGXW\H8/C7VCI/3SNSR#V_OYI)@+2 M7F7[_70>#ZQ%[$32Z*$.1-Q1V;?6JG,X;-

*;|==)U#2Q*4U:EF!+7X\F2NP\P MO=\!=AXS*2Q'B22#N!<<&$+OOCJ3I#8AZ:WLZ?L'9&CGC+8 M? T.OH5A!E:,_DCV;Q_L$_GU<%SS:/.O;&2O)_9//%S#*.]IQ.,S_$?%@8-*

*MV)B1O>KBJRY>V2FH96LQ:&LA;1_;KG7M])U=OUK<<4NP6O\2@<-\9SR_YG&>? M1S1,");S\^OO_O2%6\DYT?>\\WZWF7/*Y*. ^L4ZQ3O$$I_B@>-9=Z/G\9Q+E>]++I=EKK'\?*

GZFB[[$2>PJ@?RBU:->X$T17UD)+48^6T[%D&.!H- M[_.0?O_+& I9P-Z\?MR=-?&SC_D4]78 4)E75H%@9 .:"G4 =;1"W4W_Q9H' MM^)8%0\T]O?57EBEETHOE5XJ?

ZGT4NFE\I>G[%Q59M:!NZ>JM 0 M3S0J9VMZ^ M,#_^F.,JR4;>YI;^YQ1V1$+DB&B"6<"$L$=5MU0>Y3G^Z@T$SUF=$';FI7 ML;EB<\7FBLV/B.V$$>T=T>WF%-&N:,

MD!=:.A/2!V%S#FAY 4C_%\01^JX%-U7=XU\T^B16HKO%ZO.OQKL>['N]ZO.OQ M/]G-K<>[!C8|S<"FO]TL.UR G3-9#[K9G85AP9.31B0A'1BPICO57]_3|Q20M2?I-3^J_S7*GF*

*M;2]55[NW*WHO55@WC'T]}Q;^?!?;'N!9QH(9LEHC)((/'(8-3*$Y2KAXM-.M)!<'''F0UG9K0D_<*Y4GA&ESCAA.VR9+|&X63LL5=Y1>5;2^BOOJ+RC\]H[*.QZ++=UC#@R)!*

*(X!!@7BB&&D%XK7V M1&@,O\5H]A'@=7S>0;GA-@B+(IOA5MPE!)PAH1"<0;1LU6&^P]SO1P>@VS3OV.-/#Z1U"LC-M1.4=#X"1 M!\7A?8.KZCZ>J9-W/?WY#CVK*M-*

*^EDR[!J<_X^#TR#R!VS/C2Q(T)V>1<0*T M+>(\28[''+K8?7j!,.[H&;0>KP,3E-:79H?\J-Q*9=N649PH[7F2>] M:P3[+5XNF@SUCB.LZ<048)C:B106[3A"-*

*N'QZQ4^5H"4MEDXJ($0(&A"S!QG/HJ4'F\Q:!#[QZ9R MM'UPM.?*M7N6#LPWXUF+BN^R_1B;+OKYM)VUL6^W.YJ'1\}3{^2QB8GUY_^O M'^%F-VW_UUEGQQWJ@-*

*,38XH:3R54X)Y;?AJ2P.&S&)*6-N>]84U.]A@&I*EP MR'B'A<4TV6UM]#X>LTRP"WH]MR37GP=B_'DZU3/?T!_0?CSLL?\V6_U!B^^[LX+ MK'M/|2X)+*

(V=S:;MFY>];V83(/3+RTD>Z,3__6(R"G':_M-6W7S"YBTP$]9_HJ?\PNIC&6AP.9Q@;NF5UT31P#+3?OXM4LYORPAN&SAF+.MRX7P@9TUMG]8.P;"[S(.35)S-+TWKBS6!56TG*

*587II#Y13C?(+Q==_7$=XP# M^&C4E>=<'\[QEAE]ZQ9)?#0NV:"T_ @+R1&6(B&.*48F,HN2)I:GF$2Q[SY< M+N_[''KRWGW]].P\T,Y_&]_#$/X_@.'[7Q,[.*[AZ-IW' \L$]W0*E;=|ZMUD*

M#NAX'[NKSYM^6I18E]@[%HA6]G"0[;Z?@.0$0NUEQN\.7UG^LN/KG&Y$O>Z:.M^]SM%'X?70.@33ZV!:.P5U>7!&9CE,W"V?F ZS'.ME(O6 EW-*

5/X">ZSL\Q9G,TWP:/CYRNX9G7/\)K,.3]0"N>SR?1Z>3LPI7%Y M]4<+F#OOFO\!@;(+;1'FRH^P:/YB8W03P.=\ZWGS(TAM%[J0]OPV@?PVGH%@ M.>_R:\L$TS3^8P[+!',?>)!5IR"-K*

-EUT_[LPYNWAE_/@FFF\FDS+T&]^ M[R?PAG_"+!\-PAS5MPKP\^ZC^A]A:HH(JK3UR$>6DWR505H(^''?B M@(DD$<>]F&\/.K7Q\Y"Y19'>-

,SN"\K3.7U=20^'TL%9+O>EX(]RG%GO>9$"^ M^72]ZH27?I;$;XM NB>RF7%4DBUV"P/#ZU.9CUUQ'.RVOSR+`3]$/KR=;NCGH MK5>]LT;7Y\U?

[J?]G^T<^9HDM&.\H87O8(A%@,FW_]?YN_,FO0 "VVA-^BL7 M#P;$!3O,3YZ&-->,&+/\@?:UT\N93.[I B0HNS7.<[$N1YI,1B%;C>,$Y-G8T MFGRRXROQ]P7SFE^/7H>VN M1O;Z5?

[U]94->3V78M.Y;/NA#F&;_1>#_+5X8;D5P2EZ?37!VO+L.1S9?#!> MN\GGO"#PS%?+P-;/AS:^KTS\C[]_%&]L8+&X+K?M8AGV.HR^'8^_$!'0Q73V MR@)IO-f

1.U;]KLOO_G33,+/8PK''9;O6CL#65I[T MCCV>NE$M>/>QX(%@3YT]9/''7-=3<9 @!58@4)K@!5,AXKWDMF4+G,XXIFWLJDUON=_FO%E;J,+E-Y;J&OF>X&;WE^97O6IG, I_ZU+*

M-7X_">NWZ<3'F!E W>_G9"C[%CZKT%S:I>4PS6> ?-G$V(X_3D8?>^OOPI.M F)V9TU(_NIF|/8XJI,C0._YM"N6 M2S?O0"3INEYE6@S-*

>@\H"\]J1DN[Y]<+&"K,#626C$4POE$;/Q9+;Z\D%QG] MHVU'Q5=Y!<,M5L[B3>RZ>2^YIP;&#(K/&/YL!^4A]M@&\@RHHL5V7"S/,`Q7

M'F5[I^ARO4"5FQ>9WQ9/9'Y!R)K'\'GGP_.JY!]MB5/(EY9G#K9<6,&ZR1A> M=KW2X6ZL2,CGIBNC+ZMC1UV>W32"G.QG_2SA4E^->/8X?)K.V+,E9 SK);-0/ M

U2X^2COQQD\\&/;+\BHT#AL">C.%P5J FMS97.(MPWST_[/WILV-&]ER'A>=M=KW2X6ZL2,CGIBNC+ZMC1UV>W32"G.QG_2SA4E^->/8X?)K.V+,E9 SK);-0/ M

*U2X^2COQQD\\&/;+\BHT#AL">C.%P5J FMS97.(MPWST_[/WILV-&]ER'Z%|!>*IFRA$@S7V17G]0E\LIFFN[ZE:YQS&?'$D@*:(+ M!-A(0!3[U[^S9&++A(E$2)8%DWHC;5H% KF=?10**

*[4;+I_*K'P^6BP5NK\W1< MYNBJF\.3C>*TT-7P(1Y"@J?(\Y4S'53I0M*O8'!> ^Q9 FXB0+ES-)*!D?%,[M=.MUE7==T![7V\5-G<|>@RLS9%5S"%YH^9RUTP#@)8 *4Y66|A-U2|)ECH?*

*MXTH28MZW1*F*A76TKI'W*BQ=L]4(?*=%B9H1Q J.S083^C*?PO<2_Y'P1-MQBN)7E$/CB>>HTT+I@2ZZL.K;(32E(=B;;0;$BAO4-D4 R9IK0A"WBRPG_&*

*M66JXS[IE#=5[;X;_J@S^*VX2:7B!D@GR %K{1)I=^\YD5?6+)FS)"N!X0V0V M&9-<9 0KS,(!+!@.CT8)$I\9A&0.K[8<*IXXZ%JW9/(C?S/S'+VA M#-*

*Y/0CKS?/$Y.YV+NV">S4L10@6#U7+,.0JR8!9?WY%'8#G'>?V=!PLQD+KIK MZ?#=S:A6%EU>-+(L&$)EDW_I&S/+8985BDSI?,_=0@.2,+0C\69IG/U"&;X M=E,+*I(:*

(8%E0\B&VJ#I:3B"=A(9GRT8;!=Q =9W'LDS@8&?^!$0.?16E MKU&N@)5%,.9D5'UX1<4&G9 PA2O/!+.FM2'M_/F(6%ORI,,.DT.^EY? MR+;?P/BO1F_@M1H3.12-*

\)SK0[>P,M91RUA_;)$U/LX".74^W4F/ U_L^CC?, W.JW+C\)^TU_M MRQ]-F#]_\IE"K[3]D7VFOP&/*WWY^>??S*=:=X0GY))CE1W$)HJ&4MJ:1VE MN7Q47X];I\66GI9S\U#<_$5]

=&@X#G)1-;"_M2I/L62.)-E'2!(4')A M2A,9ODOF.* ZAT:>J8S!\0D"3_@\$E=OPM4FV\OC\'P=%!?28_'<.)\UP,$ M@T9PUY@%OB^CBU_^DF+;'PX]O]$>8BGTX73:F/0GLC&*

*9_UVMS40D^F#@XR! M8O8G?=D0_GC4Z$W]<6,R$]+A>ZU):^2-.\/> ^&U &$7GL.C1L.T_;^"JY6!! MDA.4IIDD\F!V3Q5P$8\E!SKXEBN*S\[DBW6CIPG:/'+T'H*%"@)T!"\2$!,*

M36!@5@DI#B/799DVOATPEB,@W14M!++5ZK9}&!6-5LI'6CH!:73C>NCAM&(:=@=AH #ML]T?]T1@;Q3\D6@(,>TUNL.!G/2&_G0L6^N"Z%>^-$Z8

*MBU)Q00.FZ44VA#9#"S:@@-MH,,5 1W_[;91Q*T]*NBN9@X-RI9-";M%O \H<3J/4[M:HQ&O2[P_5&WVYD.!OW11J;$D^Q5V41Q#M.G/T^!O&*

*R#H:C::=S6Y!K>E@.AX.08B=8#^&L6B,Y;#5&/4[G;X8CUK^M&TH MT,)?11>F/RQG\5,2/_>(_2/^N[S&_*O(O\;G,_THI!&AV3>1-H!@S8\S\(.!%'?*

*F\0EYWN<-3UAMY&.MU'3.'X//V33^9S\A7Y9-YZ M.B=Q'T4820_Q<*_TB^J4T>Q,)SN"V2X);,]R%,BU2FZ7S*F FN@+(4RE$@-M9##[CR-I;]!HT',PWQN?*

*34C6SH$01N7XNMH9'WJ]Z7C2&7H-*7S*K.TT)EVI.MNC\LJ\I3K]^28K,.IS?Q.WY/-J:C(4;E=T1#^),6W+H00]D?^6YO7Z'P6Z'0 M<-4O>#;YC!M!{^E5^!^P2[2W-0U_*|*

*\!]N1-0.\@AE Q>BR?)2X:R1!["/W M;@LMV^7NI2(5.G:-0XGG9(I*HZ7_'HN$@F]^-F%R146.(''Y)RVO,?CNU)&Z M=C36.W<&PA|VQJW>N-'KC$ B;DU'C=;$ZXW:TU:*

*[[4WS/W+6H8C\+9#"?8.4. MW\!@[?0VZ;=[XXG?;?0&(*CWQF,)>EL'_BEZG5&[U9GT>QO%"A\/:UR-X//T M:WX@O\2);E+PBY3(UW5]:95G=% 5)OQOTV:T?T.I?*

LMMU2N.!R'''^):G4]?[_MZ@I3U0HI5!EJ2M56R%,$1 NVT1 >%KOB0'=3:[I4W+>&YH':'S'!?$ Y#Q4 M!5O37F/2;@\;_4X;B%V_VVMY&Z%C3P4ST.I_CZ.KXHPT:%V9$WH.0+7K!E#[

MI3#8RLBUK8SOSI_%>4CU5^ B%Y&4EL]$E"N88E. MI^G\EJ_Q.53QP(O+8[Y^SD^-N.I5),*5"LA!_$M>4>,C%M#/ZT9^E2H+4WKE M9RI\@>;JG M<9:8IXFD;A-I[&R9E[!'JPJFZC*

*#T024$&_F$KCZ=88_R_:#6CTFW 0UBW MGL8H0%$UFBH.B1(.P2I*E6[\"AXE!]Z5ZL K&)ZS>P?K_.S,-X;@.EO.!'NL#YF=Y*

M_1^AG"?&=&)E5ECN%3=UTQ_'1D##F3OM5N,_MG4KT8G.&[7]<,8&L2_BS\6L=(8_7&5HD;NGN"'\& Q[%6GG-&^HYRW!!97R^$JF.!S<&[R%UC3G^MHA!MR^1-QY-$>*

[4DYQ[/S9\9VFYZ@Y8+Q96I 7#4- MTBS-.=!NBF5$C5)EA;D45%2=2K,R, ^\,KTS*1"E%XXIKO+?'76Z7+>;,,#SEG*+U>]\]U/K5FP0(;%/5VU)(-\7I?" M+602$'2(D0&/^+7K/?&;VO&H-

*<$)0 MNM7L0Z:+2]*:!C6&!+2\8+KE:L M]0<8%_(^^[]\ 4$]H6#AJTHG]\<%4_3);8*FDB\UUY57C^1RC,4E/#]7@AA7X?@6N MR<>^8#6WTJU4E[6S]-C"Z#-A-!*

(DA!/]A8&,E@!W]ET:&]!24MS\XV-J-1.'8 M0IV%NN=3QD(R99+G)+'PYV)1,>&5R:=6F",8/?^$B:>6 @@^#>B^-I .+(R> M'HR6)%7-?>E/L0BP%90WBV E-V2#9^.(9<@6[)X)=M@E

K@LF>W(2R+O %;(M]N4F,V,Z,(0OAT192$.EYE/^K;#H5;4I9"KN2J%[39FYX\0"L@7DP])/#L5.S"\(+L9_9W_UTP#-CC)1F.(3%D$FD43' 78U13]9 M!)

(\8R7MR+09=9.SF'3T(.).00B(P/@U./"M.Y-6UG8MK#]?-@&0?)?K)\7 M7MQI ZN-QN*ZY3G)HRJ[+&)/T.G.F8I.4H=(9/@'+) M-@D/?L(D7RF_YR"F(_)-!?*

*CKC@\'M0L4/;+_DMJ]6K"@E$*P/@V-W:NE2& M)88#RG'G]ND42[/@H'$,ZLZ79%'#HL:A"FYF-`1"A ,*Q-8/@%N]$R*$$T)-MB\"7]\!C++CA$@W2PUBKP.-G,E[$&*

*(;BE9,Z^'W*SHB$Q@_X<0HHP5D'E8@P M8\/-'VC>DG>NLP!O ?Z9;@;Y5YFL%/O-Q&UZ\Y9"W$6XIX)S0U>A8V??$ MK-60?%&E+),R3T5)RM3,PD-!7M J2U8*

M4J^")1U:L.1H"Y98XF^)_Q.C7;@9MXO$.Y:WRNC&9<<<@Y?1#D E)#'1'EX" M2$JM1!;"X;NQ0RN(,P3$J4><8V,>HI<,4#X4E.>8 M2"HT5"KW5L7O/72&ARBIA5#'JR#@?

00B0NU%Z@$1=T.$",/A5YS]0MQ:3R M4E9%6<.\3I^GBUB5.V-0\0L"HXTR3;JLF2[L))R(FM|A?/_*.!M:KLOUGK2- MHE3RJ>E@L5BJD/-*

@0WM\T4'[T1BHA;&.&8+W#&6V4!HD1'G-<"N;@.Y5/H$ MT$2"!=?DOS/<%1X&+9E+8&%KVUMX[C|KHO :SD)US&&U?L;3L;3]<$&HO,G MG'A,8V38.C45WR7-$T|"8Y4!

<2I;T+7<5S +LX2F-?S$JE@B144]O;AC]HB]Q&I3<^%C^YF9)-*V5N,*(S@K1;ZTH;.8):.^SYP(4>'*1XA!8*

MXX3.GLR@/N^N'.^LBEHP&!K]A!7?IXNPV_!C:Q&T#TJ;]KBG,2&27,4.77'& M) Y_S"^JC(G,F_";/)%A;1JZ33XI!2MAN_UD>4B;EQ6#7&D5$Y-$V(D- F% M> 1YC?8'T(''/9 ?*

*BES@HSJ*KK8&(I[PDF'#IMGN+|ZW?QOO&F'!M'%,PQ!V*E MJ5^^ACA96T(I4,0EWI-#$*HRX2R?+7#*76PPHH42]G[IW&0"_[-(>\|HM(PLW*0 .5Z[<${JL25 MP@K@UG5_"$*

E,9T&1"QN2]6->%::,C_@TMQ4Y7 M'H=I[G(6AW1+\/=/*D6 M7KMSI'3BNJBZZ%9H/9YE7G;4T5)5N=:HD8PJU:68.Y 2CE],C1L45">\ UWH M!],.,618ZGY08D$*

3@YNM]@#0TAY0/R+&9)0 M<42< Z8.=&L`?+M8F+OYN69#%$>FR5)$Z3E2,W9=]6BGZ""X/SQ_JL=,LU26 MPXX\XHV/QO)A!8".^1Z2\RIS1BT2BC

*$GX&+|_R(]$NAH(8+E!U!_X[# M#Z(9T5[X[I=21K"2*D=\(.PY")=6I4N!]8;8IP(_7.3R28F"'!47/G\)P<^W M.1%[>QM*@i:,YD'N$S46W3XH4.P;#0$_2Q%&.DLICVUC_-;F"DB(*

M@HLRU85A(UC!,#"ON@G"&XX[RO&09A@SH4WPU!"M#,8!OWXVZ]N-14<$T@SD&X8L%T2T*&*-@](I" V<)RY,)B@OXZX>@ M*9MNOK ?\PY\,,<"M-%2))IN342RPOXH$!D_" 8<-*

#OXM8HU-P6[FB] R5FL MGLAPS,H&?Z23O*+6 @D+'2TGO 7G+T\!S^ .%(D4>H$_ %0!2+U%"&H6Y255X$;#4%4{$(D MB>"XMY 3;$DC 6P5* X28[UI2O#A F^>)*Y3!6A!F=K?$=*

(SR;R\&-P[JR&L%;MO)6@O.H!RAMQF/$")Y}G70=7!I1[Z[=I&3O7=5E9XL#V+,X4K%PW2,,?]61< M&&?^9L@CQ;Y'7EY..Y&3%0>\;X)1TI#9]Z7?!1BB]^H6>#\3"''AD$AJZ?L;C-

*1'1F^BY+=|SJO$C=(* M->T*E-9N[B4M$WE#,SF=5GO(EKDIX(UOPOASEKMBALMN?L-+\HX&NB)KC.5< M#7|S*T9]S1P%DEC>*

*!QN[DHK:*1VYMYH(X^6GD#=5YS'0PGF>0;Y/YO?FL/ M$H_'E(W)&3E'Q7W\01/OZ/_ZZ^.A\ ^KB:P#(FP\$=Y"U?%\BK*@?]8'E M=67YA,,$/$DU*

*R+FY228EUJ>D#_/J2Z,.UR_>*I9&)19+;$* MWC7IV7K25.9L-HK>_R/ WT='6"+),5K<1"!086]H(,86I>++/,%$ >4VEE$*

MQ>1038Y54$8*2'9'4+OA.U^P>%%*D%,Z$#I!#K0.4>'JLF#QV/5HTC>*^.,2 M"6,MRE%H'P*A7UFP)B(V13_,AZLOUUP??B_-YR%5A4]0H-6RTI;D5L"AY-FV M)-FM*3(4?TM6-'-*

*H<>G!(N:-O[IY*4VZ7CW>OLLDLS(<-%4RR+D85S32_R@N MA%2Y16;,AM1_TAR\KE63)GDU:5,1?.'-,'(*F*Y1P8^C\[Q OFL*&SJ]%N:R-M2U*

B]'OXJ5ZA6TY=Q0)!6JAS."#:MTC8(H6G9+#>E/'8ZH9_NKDHHS#9W"_/J24(M8Y@\|,.+-CNG6;.%&;5/LKX.U^B!QF-RX" X1)8";!$_#N96SP /%OT8LSGJ$ MCA0%_Y2F:C<#=

(#)OU0-(=?6;V6B2M:1.EKEE, AY\]>&F-@#O>#[.$CY!!HNOD?*2X1;Z#Z;?4[2>XD;Y(W8|H962.KR9X@*W\K:LMABA7=7&9GVC$OX[?]^ MR.|/>YM$^3[)$Z"OD)52Q5UH0@]TTJ

*]\1D85Y-Q+:,B2,CW}]A^K&OBT"($ M;Ul.5%*3!AT-(X"[<5@KO%*-U&$ XRB*1TR#BGK!L),08Y*AH<$/\ M03OOMG0D^7$;,F*

*PQHI,F*S=>>151"'')%U8>N2C;,T8QB+DWFCE$/SP.O#!1 M)1-93U\5 Y-[QV#WK'49D% ^L,/,OF+)L[")k\C'"9+]@VZ'|@DI-*

*$LD@PH:MF(*X,)XQ#WZ5VWP%WRX#O'"%X'JE#WF+YL_ROG(V6(-/VU=&6N N-RIU@)9BNBXE)2B*(. M-52%P'W4]HQ169LU#99M2[C H@VZ=3!9(76_FL2T?R03?)5GNNM];-*

Q7]4=G(@T6Y2[CFOAP@7)' MC-6"@QD"24UZR.L:>!E&N7*H=-'MG';-=-S,R_-3?A5'OL#2+X&W$QR_TLZ^ M%CO#"_V[+K3V=HQ?!Q19\G=J&[VJIO)4ZOQ)#)\JEWUA@=U0A;P1+*

*(CM<4;1 M5*RR=(EH)3),-;1SU6H]S+7,L.''7[**O10$N]B!RG'?OFG2Q)'''^8[''%X4>< MKOU9KD;/:\#%,5^O?U'.!S0IZ60<@$HO?]1A=!5]%$TKE.65BCP,.PSS@(AB*

*M*YA7$J2IFF3)SRTK.35L>FJ(&;K">9$%-U');**\/NI",*,@]^X(5< MB,EE-0Q-EENV5$+M"AV/>@AF2>[G;J"JEI",NVK>Q!J:>52+9LZ0=?<106,*

MG]88%AWB($%K0%AW;I>770G(R;WT%3NOCC{1PH!9)W)M]=(7R;CX+Y"^+4V[-M(1A4\OROUOF*K#G9WM[OZUATV2'LI-M!B&7F$WT]3;?FRY,H5N!:P8PS<(B)!Z$*VC-3(O)E]GJYFB7<1\'96'0OZ7;^-M%7GK*"YKC1H3HM-(1J5!*+@1QR_:L::QK49EEPO8)ND730(RE/BUSI9Z;H!-M-6-B5A)^)<;P2|[!!!#A"Y@-6W6B'=JP=&"SPF#9J&5OO*I75*4*!45V$WTX-M(N'E_;VXQ$VE(?6VU"Y.PR_EV2K,+-O;H\($R>F$3>UR+!0^!/;=O$0\A5-0-M0/?6HO&EE"6Z#9PZGVV18-^&40QDYH8CUC!$A9%\R*Z#TP_XW)-IB#7VJZPM8EU2B@A2';!SBU'87'T-_E#4VPC.!0H0G:L+6TT75SR(-N@3#@U0]%VJM-M?3<12&Z2?0>T_)-^/\'BYNT.RY{-CX@TFM+.?JOBC-D!'S%8-MMD:1?+TMW^:_FN_=ZS,14G<9]3<05&L-&7:W.&RK7T?\P:V-M=)O<=C@RJ@]1L(]JJ=V<5RX^FD[G3&CGXE]QDA>PD#Q"3CVJ?M?\TR(SN[(-M+B"W$-$2%:"AW#.0;/98&F,MAJK[A5L'/-N*:56!@K\;8E!2-M2&53(DRV4,HT?"D1>]0!D%2B-1+>-);&WG?VI8L$"PHJ$SM-@08W-78LQ)-M+#AC|-A*7L%)>G3G@N!Z2__%B]EURUVT8N610GK)?V0B-$!.4!B-6N5K98>EM(G19RFdt(.A49YC?I2]-,@#GZ4SE59SX)Y9"")'01];<6LZ-QM4-"SBH-A-M<-7NOK2YW"+2/$5Z$H2CPUZ%T]-5$U^>&)3HG+R<'/SX3YW-KFT5RB^06RN8-6-ME?;1>)|-EO-R"Z#:G\S1@-@K9-GX=+!<,ZY2($Z'(!>5HQ0ELH+62]?O=%:G-M*2%8-"4W80E*WC=4)8=:4G$H8^BD04K+VNX[*I23112>&^D&*7.DD1BS5NX]-MP+&^9#&="4PK-AU;43S&E*1.XXT8CU9?GK;"2@I'-09K'A!T@YAAC-ML5:(/0_#>U3<,S$.W-A((}70.UW&T;"I-$LB;D:35V5$+F.RI5T3Z\&>/:JI-M%Y62]9>SF'[&Z4B)@G_Z\2(E1R:CS?=M44G*?:L"L^WI<56!=4^47=6-=Q8-U6",2DI"62*91K*3-29//!N_^2UY2VGS-M]-6@),Y65$D2E57I"!@L'^'?;-1O&^SLNU^[+I2)++$:MB%BM.E[EP-LQ,;E.7HQ-WLAPTD9+LRU>Y09#WES<*0A'362(%WE1Y+P%YT]+4PT-3-MREM9XMGEF^Q*1%!N$Z:HJVT281[;4XV(-HED*2DS3B>$8RJE]JOPT1A5&2"QM@<^'P)%66M#;E.:*W+L"$U01$NY-^F'XX%$Y4"W'"]L^OO'/_(>-%#-B.-MM6D);GX37A(WL!AAF\8KKTO#O.G/&"EG&"GPTM+8I/G]\A=+9.L3-MF2ZQ#M57+-"-A:'W__(YU>?-2[5S]RO=!N45'GXM!C4)W]#$V8?)IEXAJL6&L-MH!$3>N3/@_3H9*K\=I-!S\OV88R#F'-M_G?%XHO]J#E%DDS0&Z&A5?9Q-Q8DDNMY46.8?P/"A5TCBP:.@F7P0^9)7)*8 80[^"F3I_<ERR:B7'/J/W'M;EN(B=::9/Z-+*)T"^5?%*6FLBA3-MBT=V_]RP[&D/(U.3Z-(^TF":.Z+E9GDGZNU#8.,-(ZF.X%43T#>&<]3[.95-MK/<7<_-0:.1-KRYE-10AEN!:*[U"8<48B-U&(E=ZU>]Q"N89"GMZ;YF:UL:OS6=*^4(W7*#FJ(D>7^NJ5P"8!1]L;'K%O8OXRLR^Y=^-M:S_]JP^JL)'Y823P);@'+*T26FP6O<[-AA9N-!CDW>RH[RKE9-M^V#<3--^PPRHMQ!PKE#>"&]5-,FL;#2G:Z]_"S6@*Q:=-@NFO-@A_9RWW/H$-M8DZDI.W)4IO+?^&&"T6W-:FQ_G&$+F^]L+/9-AU%0-UR+P;-P6#X?GUCIP)%M=>V_\)1*]Z_9K:!U9K);>E[-A2:TBM=T6#\$ON4I2GF.M0WI_T7:'5XVW^A-M/4]^:2\%BV&V_*:E]^T_=1=I_X4'R).M^&S[+]B]V19';A%BR,6VE_!8LE-M%DML_X6:XLF34-4/]>7:K^YPW'XX6E0?O9\T\]9]#NUH+P25[}>>W6@O)-M7NIY[=:"\-E>ZBGM]J4KL9UUTL^QBK%O)K$-M5FX_R51NVXZF.(O><'S$]VWK>EG$/5/$;;N=SC%7W;"H:U'W3%'WP[!WN-X&-M=:UP6^CJ>&[4%KK:%W.'AZN56UO$?9-:Y-;P<(E!|T]*Q)M11F6I8H8EI4>#-M8Y.4[GG3';<-LQJ+Q=@WWZW%Y'TM#BVWU3YF^<>BK$79\T+9#T.WUSEF[^U-M-5C#OKUHBf%OO5N+L7O>]-#^M]P_7:^R$+-]BI(ENVQ)?LTG?-M&ALL[IXK[O9&1WS--K"AYL.&:U2R'TT-,,=WB3G?EHH>-#7I9*KJOA]3M=]V#MU&+LF^_68NS>&#OLM^Q%6XQ]Z!U:C-U;4VG;@:,+'N?79K<7]J-;YF-M&]+0'.W-0:@?#6Z^ZA6(T=*F4>'"^W>]-(-;FW-M1'60E@*5I24NX](#E+>-M)(ZPOQ9(&2OH>+5RTW5[K<#:9>M(&*S]8N\WYVFW.M((OL30)%GP*FJ;T=YH\X%:$3;S03M++3Q(!RQT^P@2_3C#$-KWDZ$>OTZX_N<-MP[$3VV';'A|.2G[OB5E-RQ(*2RB.E5!TL6#OX9+;SIY2U-(>+/&PQ..50Q_=-MW@%K!]>5>EBKC;7:'#,_>%:YTF.NKW<(HPW\5P!HC^W+)]"7-ZQ_G]E*@VF-MJ[WPV?<%]+?:'!]!P.8C=LNOXL@700KS>@!V@_U:!09;AZ4YYWLK)?'U-MA\!/-R-V?.DE4BCLY.5\Z[5'#HP7!C$D>O$B3-HOW>=:1+/G?7M9I.?\Y$SA-MIW0FX?\3^9I7Y##Y3CHQ\&.6;7*1R/I&)TVYY3J?5Z;L&N/(_2=]WFLZNY<\-M%T$4KAP?'L(+)/8S+RVW1G+PI!+A-M1IP[F"_MOE$_N'6!4*CUMQ\6XD8VHMB7YG58//CLU_AO&OX02(IS-2]-M@)5G\^C2#!0B%*L+_/5R(7P?(*3D_@UX4=KMP@_T49@)Z=,&P-#E(E8!C9W(-MD(IG@VIRAUN',2]R+>5NAT1SL*LJ),,7OZG.H"(4P4WH_\5KF^5N++UZP/\@-M@F6D(DDO1);&E]4?X%#Y,=TR.[/$%#9W(<*E6*G+'WJ*X4&/,*Z03I"NJPO"-M&U=9dOQ^G]Z/'0FNN)^C1-U;4VG;@-:,+

*UCS&'1FU(X2@*W4*%SXST2L8((GD2VC:L!0*T,Z M:!B:+5?,7%#B)OI"21F `U0BL@[*NX*4N# N[!AM T)/99 XDFQL6:=$DSAC MC)=,@-B%#<*'*

XN)7B3I515A,XBA&$)VOI9S;>S]>VOU-2N?W&,01P.>_"RT:?@'J M!C\7H:/?LCEL@$R9WV#) 5!,L08P4?;=/ZIM%*Z$GCPG(#, R_3')KS*F/AOI&'X*

M&JCOK\GRWM1\A,;>UU7G*/FH(&;)1&N%2 F,S;OD?9NLG*\9*$#MSJ31,83@ MTQV+8>2H)MTZ86|TV1FN'=CT01 !R9IK]1:ULF6@2JYSHUVA\Q>PY8V)2N\O M/*PD#A41%-B')WU$AQK1DU[3 ^1C7B'KP>1$L?,G/ZZV)Q>FINB^_R_W#1C^A MSPVW6!5< P!S*S18SG$"(G/IFKW\FA.T7YIK+1!{?RI8+Y#*WW(T;%$<&2C5 MRD288HL-0&B-J5V9E@*I.>PQ#RJ;,EEM{1096G515\O2,+HZ/%=7K12 M^***\)(I&^?3128!,M#C5E33V7I8 M\'/IL(@3ARI^W&'1ULHGABYLS\OF&1ML=8#7/(M 5]&Q,&3T$9&X(3'?U5]&*

MB?!=P.!>L'A8((7EP["%U38KT'6%HO=DN?+IR7MI-WR3GJ9/F10[-!<3!=T MG]=1]/Z-"@S12P 8.%(4/O#/-$PC)>$#2%'E2BR-";R1B1^)>:R\!LTG<\5*

M\',D.PI$0I5<6\4C]WP%@#+PS0(3WM?%,-_O&HIT/-*&.,_NCT3K3%;IK,_ L\M3"2I6(}.8M(EAJ/J62'Tl.'OQ1(@.83)$IX-2QG$&E?&0+1-'+H;U#1N1F*6&H MG&>2GX^<'$A_"+;\)LQ9DT7?CN7P[\F*@ZS5+KD"TS(!T=;K\+#9PVPL'!N> M2T#*7[(${U5DF);P^'&:/(->9PX[#2:6BS?C4F)M.7*8?SXH*((?"@9*#PT.UK'&V;@ 9"#D8)KDRFZ"-N MAV0RD*K8Y8^<*':P! M$YFZ)T8U#PP@>&5 *(=O&ULSRQB@M":D*A3)IGO*T###+7$Z*D!3^,;R>&T3 M,H N,)DE45;@<;|<0%@QR5YQ_;+;^^[C=F0IK(T'KT5T\9OO&@U?+?MIX\/JS MJC>-!Z\;0VZ/GNY'-'A'GD14&?X*@K_(V_E7R59;#R?BEZNO?SC7UY30U[FL MD2/Q\Q__^]-7Y_KW7SY__>WJC^O/O[_N':[[@MM_A?)&A.P$EDA9ZN0%;C>= M7V6-+@|.BAU^2%*OL,=_4ZW5QX%XKV1A<1&ES@OZY)O 1-7P?7YXD\$3DX)G"AC MV,1/D#3,45UD="#!%&16L10(^N!W|&E1@3XZD2 M-S=HJB=K6|%*WR0:E41]\O2_$17;7"W1AU3$-J6H.,FB.+H"PAS@WKJQ7@@-MF!YPPX8B-(&0?0?^,:^8.Y@O!5'$E?3C%TC@PH2J9IR"X$LF>Y#FP2OLYK M9.4>!F,Z8!,.IP*@B2U.S1A6*&W*6OG9^_Y>0PK|SP8ZSY6,DN^%D3^*

*M=W9^62^\$T6TLM!J=AA83 M]7^]?(Y{ES)6JJ/.>)R>(\^71 ^XB4G. ^T\YT1#,F\J3X#*Y1U? JD,YKE M0NDW\)*6H++H>Q0O"2NRU'^#?^V/[6W-T2\Y?.!>(*

/9K4>C[' B4Y35XJ(`BHK1F#^BJP2.E>;6"K6\-<:$?Y7.# = "PYI\- M#GO.VU21]N3FB9'P7ZFDI.QH]C;?(!O[N"A X.%,%(9FD;VO™<(G0B(`:)E[1 M0H-

DC5+V,1!)C[Z6BZ(30P7NRC6ORC"X]Q1:CHDP31=$ASF94_+UBKQS![9<2 M&Y?ZX'<@MBX(%N-B5>6"9K7IDT'|CRE\H:6.8V]3!FSU-7U3[_]ZGR+ MIRF9Q;[4:%Z5-

$F1#2*7,'&_VOBN'%S&%1-T6X4+%74JV#7L<\[<'CD\!9 MM4,.;7-4322JU'W FG'>#!.]{@PBUG0^81N/8&LW'19H9 >I5@IU&?P^$W1 M"E(X'P|MAD#>YQCM.>7,?7V;CA(AW1J;

(=&\.)^HB,-A , ^IOB;=31$V9'I! M2AZ8*@HK7" LPOWIP%-9VD'Y#WMRS %ZRG&E.=6J+BG9Z.#?3@CD#L;Q8'TF MX;/.1N\>/S#K1K|HO96,@E$I[.1/Q\FM9K7805V MO2M?

C]!+2O9?RXCS,U+6"QE)D"9J5&R'(S@W)'@>:%&[HA[4H!M3+WK-?F?T MOAI.4CJ= :QO:|P(Q3YS@:],,=[K W/|3??X*4XG/PQL5W*1>PXC_)QWH*

*M0<=US_F@@V'4Z0QR#'T,IXH,G;K=:[]=&?1N(^F,YQ_*Z.9]?EW/DHWE?X6*I MAM98N+5P^VRX);D<(9(D1X(_+BZ]UAD$?RB+KL7K1A9UE$QN \Q;$(N\+MRE M8X'7 N^+*

&^9PO6Q3$U?RDGE=XL@]7=8).P:0)]7@+ GR6L WJK"48D M4(\Y%>H#BI=*H7=3.H(^\ L:%O0?A\0QBX"E"$ `W#I3&U3@V?!$0D01O9 M-(L\G8^$<3(K4?%#I<%N^*VXYY"X.+.(V.O7U<23UF4ZC!,)-K[AUMM>W"_*GR?U;&)S>L/P$1NZ)H&D9_G47)(&ZV2.BXH0L7>>Z!KHZ",VBG.*R50MQDE-R6B!U#XGQ5(BSMFIM-T$;F;#K*N_L2*

M=I.|.SH.KVKERG6+Q:$/;+?I8%T^'<%2)T__YU^,B -\(+5AB<>A2LZ*TQU+ET(_IA2|"EKX#0$Z3P-O@##1BM486\!$ZH[2/;QH!,ED%"P0X %CEFJ^,:YGU6F:|:-;KLV76ZQU#9;\3L?L?

CIKYF]NS"+F(0(=8#\M M4(Q"$_ JRPGN.N1C7D0Q@<M!L^)*.)YHP%SN//2)'Q5\)6#KLLNRV5*!{3 M-8X>F88WCN2,*7'YLXQI7FWX%H@QP?(VA5M3*9@0C])=$-*

+@U7KFDAOVQYZZ MQ_(K=[7KI9.KC^+ZI#]9WB A4&-8NX,8GA!2!A.O!2*$8@Q1)49KKM6\ GT M+S) 8H/;6=BPP.W/[`B_`DB2[&$GQTC@C6A;GZ8"P]D++1+6G^CVD5"A[B/%*

M1/.FC-RZB M6QM"AM)(X N:\D)/Y%0R E5X0@(%T;"4I,Y0T-'^5SP3 :)]^CE#/C/"$9<.$ MW@19.E17+7)5#Z?1DPU=%6B8I,E8#<>A2M!:5_H32SXG/?

M07^:MTN]'BX[1T2N:HHX,&XT MG2/'1NI -K03C]G*CF@6^JR*CUGR ;D>Q3O$B,)L<,K8!-5E?E)AJ1OMR% MX4:&8:5#)=:6+4QR*'$=XQ%KM:J#<|>56R??+7<::*

*J*1HZ,T/F162/EA#27 M* %0?'P V=]MJV9#2ZIUB\,I*&%:ID8\0.QY2;H,+ \>BYNW554[_.M+';AH(Z!!$=ENA?"5R. J^ 9PCD81VS!QOD?/OJ7_^.C1R) C^]"=#T{RL^!BRM6^*

*M%W):TQ0N!:5'LH=QA0:N; ICSTD*ZVL'|PS<,V=_V(O)>E9I6D# U|HI4\+;7 MT3)\8>82X71OED4B:(#0\F^?O-#,QTISK0OHHM>%1;XHGH>,$[CT_]P"""N!(\ MMGF_[M82*

*SWTX3@H% _,DOEB|\[O0?_P,N/WDV&:M"_B1OTU"%ZC"\PMZTY) M1B]KVK4R'B]M>/<1VK3RB2Q)BB>U[3I0&;(=NQ$9QW$)A$ ^/3)1/I]_%X[NI MCYT^*

*M&C&,,PL^\|@QD(%'"ZK3]^G+IA#WBG"@]+'MFE"7>C8'/).]U0!FUV5?Y<&+$ L_M^=]ER820IZ1]"DF8U&DO2BFW?,Q'Z,A7'&AJ;) T3/[=+^DAWT4DU.V.%0^*

*M!,*5Y-.%+56,S3;ZQ)@3+0T?2EGA<*E?9?CSYF9#\W16PKH@28FLG>'6*FTI-MPLP8WU9:W8|GR&|NH;VAM?*L2A1"GR5JZ$>2 M"HJO'$*C+TPDY>_R!OXI;^!'>P-O#UBG#*

{GM'P>6_V65N2\|M,?R.GTUG?> MHP^$F6\) <\D[M=N,ND=H^5U";H$A@I=!5_=4 J! 5Q\$C&Y0_NF_;YK!!^ M!G6]X8!\FVG%]3/GS*49 0E^=@E/L8C@*

M>_$/3ZGN1$]$7,8O3G'FW'%'GW]YY(O?Q8F"AD"'\?NY5^YOW'TGC3:\1O=U MFDR$)^,GTP-9WM%CI9@99>2%NF64QI8>K)&D\6^[2W2CZ%1)S\VA)Z8E[YF]

MQLJGZ=9B.E&RAH:L8GO,<05$|)++15TPLE;,WCA%"%LV*FIS")M"#MG-*+LSV ML]5;AK-CMXP)9]QX$?VF$%X0UT6"A?T^1DA,^YI-6TG*K'/;:27NV)?4@W9*

*M!AXDN4P(\L9I@_%00G'G-0&,&$/1332,"(BQ>2Y3QY)&;>{J-8(A!$?76@TQ MJ;'1N7+C^K''7EAGKK1GEU,QTPTR,"$K1]]_/(2&*3XZIP#VO#C+/OI0/-82*

*MIDW#0J:%)CC&4B8_$\;QF;?K=&,$7L4!F!,_4K\ECB8F[N|0\%OS;L88ZQ2$ MQK=`G:2:6KRA>9@\:C'PD1*V4\B)])*15X'PGTK4>KS=EBN:I'<-<=.S"F!_ M3.OS6A UXR7QS1&!(^<-*

*!62Q=2]MJL$4)V2 :6%++%)B4FYB=M>G*C#&&]0] MU=C>FXSKIYA:;O#)&W@;)VW)L]7+<+,2!A5=[;HEGT-)X@2WG6'Y0H?IR@ 0 M5-*

9"Q(2Z'51OI$]_5)KC";Y^@8!5AG/>CKHA)AMR@O]#>7R$*G+/F1,MKUC M)L [)]@4P[ZL:E&.4N@:H=I%$+ ;@:DN8G GFW'6"LC[K)K+;ET-*

*#BZ*4)AN&WQ"D5(\%HQ0PFURM0:F[% MJ.Y%0QBFUM0.FP&!I.\[@KF4;AIX6D.S:$!$ LTYRXI3DF7K@(61-2CX;QU3TACX M\'UGIQL8.840S#8(2?4[_WTL\<*H83[.9DO'8W0-YGZ?*

O#.Z]W9"Q_,IG\M M2"^,RC%VZ@_#/@-^]7MV" 8\MSU$\S;L(;'>&'B%/SL?$L)T"^;@M*RN^ M)#03M7;J2DY$8>1>[$;BK?*

V9QD!X$DAK/5+L=N,_1@S.)S"CZ%8,U^CX]+4]:,],,PII MZ%"A\# 4P=NH'^+I*+F!D(;]K(-M@2(5]AOW57P25\IY4 [-!V,=L@3Z(K3$-SL YBTZB)QV;KKV<8C?:O?5)OFI

*MT<2:VI9K.D/K,%S3*7Q!,,$2E_GY)54_@H P\)5]M=W&S1.BDHGSV',*@+^ *]W6A|EM)ZPU,%,_8E#=_OPX,R$<8.Y(\Y(MQ4|\Y(\6T&D#^?E[&6.#A -+TTE_/AUVX_)&'$DLF\?X]Z+-*

*ZN&R/<:/39]3P M7:ODRJ01M_&>O(^M16_PXT_%L+$V["ZS678'NNP+,BYFKDT03!QC7!K<|<> M0N4G!+@6ELKC"G9@ 6V%/[FA)*VY15M(.^7BZOO>]NUYW_T6'44N'Z!K]9H8O M*

:U.M>.)LNBH8$-F3K2O/^Y9_!N.LNKD%N-5!BI\"JA#4AEPT6;>$)0 +F2J M.U(2 ?=(5=\E4E\>]$T/>'1-W4S7*6U/S.ZPZ:@@^M7%$[$U2F57M+JJ)%X M4GM;M!C?I?

*WXBK&AV=>\/SMN)3]\GM_U/AY37)SA?ZU[=7\!<7_@M\>UR])<'?0/>[%E# MBI/],1A?R[B&#W[0VZOV?*C&!JYS%TXGU]"/ZQN&7O?%B-X_T7K$,\/,)#3.*

*M*X6PA5GTS;,H*V9_M^Z_MCN|[4=-&/@#S%=7T<-#5*&(34^C+ M=]OX9*EV|NKRFO+?^'7-%%FSH-5&^XG+B$.N.7L,V4"$6_W4@ =R*[CJN(0M*M\$K* Z2EK!KJ'|E\.V6?52?*

UHD_5'Q]#&HS#TFX6R6!&"L!3.ISKF^?7-0?I MI]8=?K";[AFMM2DO7%PBHF[)G]2& GD:'V%327$!/S^S$UC63N&*,.V23R#B M0.6QXBHYCUX911.M$[%6:,T2_Y1|FWPXK*

J>PR1U/0I^Q&++V&7$NL"S2&ITL MFX, ^@D7AT$I\%)>!F!IP3! TUERG 'D'\0L@ZJ,_$"M&VSQ& %<9:8?(ITKO M@ADQY-|!NA.O3_R1S0SUXPUB9BI[E,#>&/(&__40W&"!#,62F'!VC-

!KP.9(:M;9D-.:O9=^'6V8!E-N#<@JZS G9 _>Y_L z$?#1KL-'PEY>CR&Z=]0[-5!:G-U M#?O#.X]OGTY#IU@/T=HS%9ZDX.4;_54GOEY?"-5[X,9O9,F_[6@KV5?Q81QT-*

0W33EIZ5<(M!YBMEJK;Z/B3 ?_YR8|/5A>4^#0LY&"0'<00+3#---5"E;@=[*GKH\###8@Y M**8K1G_"W00ZC-R!B54/>PC2K9&!&JS !?X_-&<+\H%:$0C4T5<#@SSD/H+,.V*

C2149/;K_H:GNT M40]=S,[PP0>R5V;:%['K!@/E,BU-5&77L&KT6& Y_O8IV.&Q$=H,6KO+N(H# 04! M0FX/P^2@YR| @4_Q]GNM =SR6_2[^FLB;GF2B'+%S\"8)SM78QA"*

<9(12G%$ MJ3NL+1>,.)ZU(I>O\>U#!%U\1Z>0';4F5;T@Q%M#7_=6R@W_9\,<8#9:)7 M5']P_9"%W/3;_$^E8UF'G0[-ZN -()9FD;OBW(<%36+L,\,)?XZLVT"S M?*

32)J2A_|$\H.F).7$)-/'&<$KH?!IB>H)5QNZ'J=US$8\;\5BFO_)209W]Q M\LQ\-XZ@51Ax!985%P=DB.C&K)W6BY+01#;CT!%F:.7UL5?M"8%RL:DMK>[:=KV03+FJ93'BOC?L

*MY&EXY,0=;3#++!5?Y_C|HI:FLF.-2QHNZ2&X@>;2DR$_&&TS_';^VH:T-%|SU)-M/^:QY9R?KQZNF%;X0?*TE;^L*H-&BPF Z[:G&>\TU@T,YFY7.ETLHR3]I=PB MV."W0_RL=2-*

1LG##YTNUK2-9,39 /LB3'@?3IDI(>$#H"1T%SI--F/SRV-(VN-M'B4B5USB\LX'4D+_,,:HQ6.D_%T6F\ ?0M5533'9N^MS5C$W'&+DM)$^00Z7050<3,)0^TUAG'N4SE_Y+S,EMZX@*

ME"Q5>N30C^UJH^B)QW/RN;E90P?R6 "CCS LM"QBL:G M-!2Q `J&KD),U9'}2+SD>>3Q*U3H;K96V;"G3S>K#Z=`U-M#W#EWO26;/I5] MIQSX()!"HZ.Z9.1O-TMS#OGY9#9\U-?

7(X:6!H7C3&[#PX'012MXVZM.^)&\ MM%O8BX5|Z>'E,CL=YY?S+COT]8!./G#[(?=T"6R1;4CD0H.)\'G2PU>/QE^7 M2KY(M\SD#!U_XF4(AQ6M@B2?T2%L'?AA VI^*[^_WHC|EKX

*M&CTO4TD1*D0E!4RMVS4YF-THL5X5]C[L/B=K=4;#}20!L1L=I]1_M78FA7\'-M+A9YVB%X4$D;4R\[$:55W?8QM6!OM#'DW*>,.;)UY+&'+4K8J$ASR-!'GQS&*

*MC*GVI)RFCA_'T$H(#\@ND<[1IE;S;.-M,PTKYVIHY8P1_B *EC0.<8YUPR8DY7D0X5/<(<;@:.MZT,*AYE-GA/=XJ_L .H8Q&|KP&*@_ "Y,N;U2PSPZ)CAGFZRS$XO+G,FW8CH*

MUG',@X&[@+BK, [JA|&61N1">E2GL0>.;XBF=QXTDVM_SW>"2-RNOLPPQ>. M.,E#L25ED!0RF[N.GZ***G5&J6XV=5GMLY%,_L:FLB7<.SD]8+C(KW .9K?=BZA;@:H8..*

*M31*5=VU6N+K%[)_?@[Y5]6>;>TB$IQP3[=MM>)=2EP4% ^P=D-V-A<+=);"*? MYB2MH\|R[9MPX8Y")Z%/.%1'V(/..Y?%SX1R3\7$##B.D(YFS<"HBF/0WI59U MCTEV-*

;#K:'1W52K"FNA5.OJ|&O^4(>>C+QV@(T57:"|:$O0R,3G\U8N49 M]ZF/5]AD|&OPT9$4>6'IFK/DV31Z,>|L *.]WEVEC+M:J15B++|LP.*$Z(C+V-M]KY4+XMR1B9(IAFL3NF1R>GP[|*

P$E,N:BE.[QFIP?(YBD8\F?.[9%P^&%_T M&N<>&0$G&USV4]!H M2.%CGSIB&BO5:!|_=2]MBC &I8S#+19MGU]E_;S?6_2@?SRV;$]!/C"C M?

*7_<2S+/#32_Q>]Q7*_1X%4G+F&O6Z.!YCH#39"!RMN+&WT1O30RU!ZK^&#V MW^OS4*EH-@ C!3WDBZ@A##) MY$NC&34!WN;_8W_?.@O\9/6?]77 >(L,-1GUJ.\)OZM^=6P0Z*

*AS=`7+:96> M.7FX&&7W&-*DY\8<9U 06&/.7VNTZ=S.2_+@[J@_Z#BI<\1"SB.SB Y&D8X(-M2H36+A),B@I=4:O'// #\JZ$;>6)8 ^1PH5"5G>#3#DEG<1CA(AB!T?W$V^!+*

*MQ).*36!81[KQ\1'SB6ZYZB^KW0AZ(@[U^C*@32,2G0PER3C%UYS#80&/*L!B[M@D!BA.;TNNH%[##O<84/|4 ZFS3EEOI^&'2;H=71I=RVH1>=99OHSF:EL]E+ M-1LULLZP*?OA-*

00-8W$N@]2';Q%H^2CLOBP/O9NO6|*1\WO0/SP$_FFF8//0 M=M:(4,=DB&:) .:0>1L<|4.-I3;/0,2P!3Z84[[PF^K(KW[<'|,1VHAL!O+XK M\BFI+TCGA.+H%,=H\?]F^.!%&?7-

*]R7)6*E4\2]MU[8ZG-$6I3/™%WI'R?FTO*YG1AB@===H[RO).S!P@5. -!0>K7,T@8)WR0%T@]%=`M6TQ# -XG10BUOTE9Z=0)[.PBXEM'5-P=G2&S4K.F&9H[2GS4WXJZK<4EZIAR$*

*M*BF4)RS414LQ/=,/75,=,/Q6B.F4,+LQ..0<'9)NC=]QK&IRC#&S: MV'\%8. 4R5=-CS%ED72$R9^>-B^[ET[+:$9)U04GMPBD(Z[L?9#O0'B>(\-2*

M$B<9@!9[AE$S_PBH4;A"1G&0X#@%?BA=B2:NV&5U<$E-7^1WG@EQ?!?"H-RO M^!<,KF<3?'G"@(&.)GUM73_^;X.Q"\B3OD,]_]HYJNQZ5*=W;?N$E%0;

MP8OB>^7>|H%A)6T1E6GO0U}E,"ZSEX0(_;.ETW?,U69V?$+P^@6TQ# -]DQ+*8 MXC^FL^T'BM:GY2*VGS?1\G0)/:ZA\D;P)7B%5'K%*|.|-!M9,.S7C;7E$"7O?

*K>/>CS.W%*L?:.:")HX+HW*.G M[*E8ANK&>([RF+B0S+"2 7)R3W0__7&/9A,/(+!S [[4N?CC(7H0&O92ER9) M)NZ=&NGD,*F[W@'|KRH\;++#C>1//:2Y*#AUFQ+B[:>*

(]s]+GX],K@.9[]O MZEUFLEFRCCIA3Y]1Y^@7]W (,7PIP,%YE+'1))+5K[\W6%6JRV48Z"1\]3AKNF-SK2?!IZ((K,?G.]+\%/ZQ\QF-\<(Y1A2.CUPM;^*

*M&)VM12H\:,$RS4BB0AN8GJVHA0&21\ZA7)U M)AIA52 3DR,!]:'.,98/#:/N/==_/K2<{[L?>8<8KOW[D$) M'<&=92\MHUMP)K1[Y0VH"M)"BHSM>)KB1F*R20D!+-(!*;*

<(!]?M@0=&3Z9 M?;=_N0Y5>K4V/WF@\[?'T:SR8^63UM>,2Q%%-EYO0'N4AU'W46\;_3. X"HD2 MZLIG>LI$_V3URV55@\,,:()18^,9(/FE9FI(7"&P?9%RQ%,:?-,>1Q0SX*

M[;%;C;?(,X)$(7%R9$>>X71>&8^V)W%|Z\"Y>T,%H9\UL)%\'&MN7Q H<\'I M5!ENK 5%M76HP:U4O8]>F":5>T*XK_%D#\Q)""]%Q;`2QAK&>ZQ%U4&P[R@ M+S*H(@8K!7.5FX*

*8=%5@S0.(-4LG*2:"Q(KFS-59#0\V\Q*B<[Y4M<9RQ3O6 M^T@]!6_2*/^`J;)&I:H7VACI#R1'6.G#&MP3K3'(EA+AK&+IVR9W_[M6SQ4\9_BF?D_,140G)-IR'\:] MXG^V3;BY#B1,]"*

*(<:F&U>-%N7M?)KI%)' M/Y$****(1%,3F'5G0.*86$%/B*G0%HW"(&<$-*-F&^@ FWS}CK<-ER2IQ59P MZGR/;/6Y%25_]K=]/!"S]H9D?#^/^IWK&&=.;/9<9=?^^LDV.]I26;D*D&K)3*

MS4ZNH.GY:-_MLMY9$=V^M$ 6KTQ])D-?$=26]X]5-3#]Z1Q+:.+CGRLNO!MS&;TQA&Q)#GK,51*G!X.BN5V'BQ6?*

T^;U"]^/A]'UTOEARE&H+B"L+"H:"A>A.IDRWD]>D/*W:>NLNW*B6C)%[@1U MU")-$O'/YQU[Y8V9%QQ(MXB,=ZO8FZ%0KLQM4&\LB1_2Q;.1FA31U]8 M?C8B_>KHO*

5#_6.3;=7!,T.>LPP(=9[G;5RK=F@+ A& MS $2VLVI]M0>M5%*Z/9^LGBGJX0K]*.WH=>)@&W9!SI@G$14;WL"%\-328 .D M.<:'2R.1\6HZSSA8T]

*+65AJ5'D2T&>+QY83^X+*6C$T@.|T?NS.X)0L M SEO#O@P*\@)?;/@.HD9LR*XX.+.2??'VY51N/I[!OOJ_:.^_.5!(12 5&;2 MY2T|F1192?M[V42)V1_-"!%W-G%K5[618DJRXQ(*R6:*

*<$@,F;\|O1D|(ZGN M4/^5*4=P"(A)C!AT5T)*.*LJ[+|4T35M_^W_3;=B6G:*V-;BLOH1GV-KO0 M#U7-W)JX5A>(8!3GX'Q2<74;")GV<*(635YGVG?QP#X#AKB#GX?@8^6+UNDN*

MY+589K/!8 GSE/(I;QWB0)OO! 4W.!<4FJ_NF^98/Y<1\,:A% ^1 C,R@\U5 M4F$L5A(Y=;P;7IZN!X9'4]G_T-7_OIT<:CT^ER,V-[, M -*

)VEB_QQ)H^GJ.TG'#PY1D@Y=&*,,8[QS9/<9HII,=@*'=A)2OO?:.!5IN% M1K.DF#[,Z@N1)0,7Q:]*\L*,-Q?_-0[NMMR3AQT#)ID*8\|G^W)'JG'Q=C>A*

MHXYAB!$T;0Z/Y[/_,4)O<,YA]EZ?L#%4;YO# H3\F;:<,4DH'.U]-_!'QM/ M 4J{2O-9-9#9,;\7_RTF_W07*]H<:F$M3 MQ]M6 ;9N>[&WN$MIK_+,QEACSBY9QHSL(I'?Q%<8T

*{M#W_1,2\FA|Q&L,T8E+%T\CTDR->RD<D.5"NC2#/Q(P*V4%%S$'11$G&+M3?8>OT!.9E=.6+H"C*+DRSUS$%3|!:|DY7,5V\24/]Y!BF]WNE M7QO:^+YZ2:5=Z;X78GEP./*

BVD^!>@+[4:$QMP;H7=!/QFV>>U-5X;30fNX M-%5M@Z?8/WS,+ FF M'GT__2>FQM+P 1U#U U72V1"9'=;,* M-B[$"K:=]BF3Y[O&S!'J&>EF]%*

<1_<8610GW;_&Y1R<1%13^<"!+D%"DKV9W8 MUGH/%/7L/US>\04&>]8PV']?8+ ,+#/;<[$>&^AI%9PQ^VFFU1'W,_<8WEMQR MMMUS#FD1\&7,O#G8(!./)L+(,[+7TQ!.>#A4BPI-

*N.>IZ/;EWQ!GM81]2/\]=1DJ$EO&VE_+W>_>@SX$K^RT=#$1E:>,GO(A$;EKA!$J2RT9(/+@MKWTF.JL9 M@8X2U-*O:]VM@O;O;BPYM-ZTYC!DM1GDW*

M$98I#DGK;SYZ=HE=2K76QXNX&+\)#EY%AP$_=7?)9Z S^X]!:#W9)PE3L[9M MKQMJHIY9YA80S\6W;F6&JEQA4921%LPCR8_I[_&P->$[_@-U) M1^PYJ(+94SX(W$39{[U-

/2)#.\XKN@R #[?-JO:@IQ3K#YM!-\OYA9Q?!J9 M]Z8I\,/ 4.B3RC"G[&+A"-@(4U8)G.U8^-&^O8. ^7RE-E /Q0[$;P:8G8!%.M5DA4@*

OV/%#.H'>DN5%L/U/W3'S.CA3]J"ZJZW#!N$AV^)88(URZ)V+GV:D? M)-AV6UKP240W],>6&W4H#'?XW&@6?!B8A5](8'Q\G2;T/$!N('N@MA)8R#2 M\,RW'#?

A5DSG,Q^&&/6V_PV^*F!GN@ TW_3;B45PT?$,YDTI3Q&;+0L52/. MIH6 -,A@7801B|R6.3C7RMU95_MJT)*=>K\D8&K?>!"#7X%2_L-V=F^O[P M+/]ZZ=MB$@EV>@D\I

*77C@,G\#65_4K[%ZADY[U!U/90O.(B6<*L^$+H:"@^ MJWQIP2IX.%|&Q6.,UO;,@,CI2!_8%N0:JU\L8W+)-C[_Z_O;Y"/%VT9!P\ M%@E?X@<!K3 Q#ZW1Z-1;ZMWU-$[:CZ M7XE[{0}?T0_&47\P#_K]+,;O8S:[T|5A%&2T#O#?S1A!&_OOTM?3YF&#RD L5 M3G==P(F#KZL_^SCVRO"VVK?;F!$S&@3>A3SDUBG\:NU-+]AB$/_>N]E_[CJ M]:[79?1?,L?*

*(BEJ4>V#XLVE;QR)/QH<30KU/5C_W?#/;BL8PUT<3VIE|.1U M*42KC9:85%/.AIF(4X;L,*C\@K564;RZ#RG'P@7UB^4;19IF452F@EV9)- MG]_?&&8R4G(8@CAMKI.0/Z^:'2$;!#*

f#99KT=?YOWUZJMK;Z#SH 8#KE>MS M#("(&C*2|=_'T@-%TN-E(9R)7D^>F?I)>R+;__C7S^OGI&);E?_D-WP ^^& M?_*'"V&EX6H+FV*VZ52P;5HU47;06LJ?!H2;)P%MD-*

)GN0A5L9B< OH1)O+19 MY2.;=LM%8M|>.OT!K9"NNN.UG7;O622.&PC.ESI9P5O0I6VBY-W(*.F%9RF*

*MQ[C!V=.!@^1&4GRS&OPPS#6*IP[8[,OT4]'2MY_B,D|>H]^Q12@A9>;%,2 MX;1U{2E 1$]XX^G+F&Z3?10 P]]!V.-.95P$3=S9"9'=[!PINZ/.CK++6S MNF3?KG;E)DS*X]%+*

*(56NT.[A)&SN3/&9ZS(C7E!NF^"14G]F>YX9;W_%5&%0 M "4VYI?'I2-&LKVI+R*M#;B6L,#Q;M1KE>"2C_%L 2?).C+^XXY@.W%)@@3E M.J(+QN8IS/+],"@_!8:'YM*ZK0*

M&.1"J5/2W:,M,E|[43)%/^>"T!JVR(WU1&'J6+$>F82.O+=P#]>JDX158!$U MTPO I>9_\9]H&UJY0?8UHN761[TM3UH MUB)L&Y 5;\US+I)$C,3X-#^YT-

!T/:53/1>5K4S(HH<_/1^E$4.T94 MY(OW3KWDH7=JS_'1,< RFP (")T3RY(UY)QH@'[0&P/4/66K\L;-6> CN\A M2I>/SJ0[9-=&B:#6.)MQG2AG;WYHO8A-*

*)I>L+XXEI6TAF{JD4NU8^C'[NI0G M(V7TXU=#EX'|<5:8LE*LRE7GWR(UV9GZKW#]K XM0? 2X_(F;#$IOV"]WQ_N>XM0? z>+)CJ!<5-],Kf]'7+*?*

*W@A_OMQG&_4'3&@/(\)#IRE(ES6A^KFKMLZ^A:-MMO VVG1$QY'=8O1P,5^)28]0*#.*2)M\T?W%Z5_D;-R.(JZ:N)_Y$W*4S M3TPLH5PWG@*Y71WRR&7'ASK2=V???#* 'Y-*

*6;%B=V/T;R< ({)]L>TFWTE8> M[6-_(KB6J:**;9H7MD-QC\O8^$?=]EHD5C(I=Q#+U8:F)T@:N<$5%8I% ARS/LZ2)R,%WJPQM M^"RT!?0-*

G#BOE,/X#KDP.:,HRHW17/ZYAO3]XF43$=ZS;U?#0C1A<&6I=H9 M^?R(8#AU7A.+)/5#UVI,]XN.0.BGQ@.X6P6-@^]VE/M<,"]Y5,[%BQ0"-M9@;,!/9P-8Z@'W&*8V41K5UC86-@*

M.OCXYW4O8]Y (^\#3S^D:RB1Y^@4>7&;=`3HX!-@#SK:Z17/TGHH4KUBW-X MWQXT:QE6.P56I6%ZACV)H%!BT" E/3(H.F `$@%4Q-$4G S_H[%&=]f$@)L'-M-

;G2IL[GI?"&ZP85$T50R)/9-K0\4Y.M6%V0BJS(*ASHKZ1/VKT8>|=6E<&X-$F2:!+;9D?/O;&: LYJ8F(D MD8PBE5\PV4<%&"+4,SF(Z6)TB50_,D5E(N>6/GVKZOT7651QAFWC"I0[_RD MVGYG^/,2]10^A@JU7YNU$JBZ%O:(G_"P?BAG,1WR.2\D82->2!9,3"4>XSS MKKNV!* (D,D[L10QS0>HXR<9LPP;J,ZC-A=_"YBC!P04X$!XYT*Z]#NR]7IW-M!=@X\$:B^.+*JI 9+2TI?2>KYU+/0Z^#4)N9F8UN(1#=-,F$0HJHNT M#NXDK_[VF+(4*9![(_'87VH2IH(7<@*)4DO:%UY;*Q8H[=V"Q:'/,H9AL:+K'LC%5/@< <*3+3))H:6HSQ<]6Z(MX46]B M8";6JF5R@\,QZX_8$&ZZKPEEIY<@0&D;R/51ICTOL#0Q<;3 ME0PMM]D3H*J^#F05LW0Z/5>C7:,$217#/+YYHHV4V>Y&X($T/X"H3" 6 MFCS.\3WR%#6S?55I:/IYW"QQ*_TXM)N77#3;8.VLZ%!:8ID(.&8Q&/=*7SVI M(&L? 2L4IS3XLH>/Y/>@?'D'DX@-NPLD3BZ<-_||%,.*I5&%$(Q_/ZX73$II/ MG,Y@%RXS-*\% >%L-ZSU9#MEV^-W^'+F BTB>"LK7##^&_D6T_B>VMN@OR?UB M:#)F_^WUN&3IR47_XT-YJ;=0U4?W#^N*\(J,C\!*2C?B(I&+7UJ9?_'YT^^_M>/K7/^78"K=?/OWB3U_%K;AEP,) O SA$&^LMN40<-6Y99E M()/RUZ=/_V(VQ:$<^(<__>23/XVN^G8VCF_NICYN"NB*EFXDU7VV-9RP0'5%$3MR]F1JXHG4HD M6LMV7+,CJVW'R\K,G,VU@P$0(_9-J)UY6!XG]:- $]/=2-9 ""L%AB7\]0(GR&%.=MG4]YR*\>6RR+]# MPV4Y"\M9>+6S8)T[*KV577?#,<*0-_(86>A/38:$P=Y_S+-/B&>)_:^%"I7)I M\'-8@??RHX+93$O0GR,ZALN^7O;U*]IX=*LUN0K-)=6'>?.'Z80FU0E]S";:_MALX+H[,G-*XJNRV1Q{(K7\^N=(,N"5.!AGVIG+?6CM=HH^TNRD:"A&4/+GOP ME0L")E5WJU0YM=_ZDT067]&GEZVX;,57V8I9!2#WT^4V?JGBO8G[_%U7,M?G MD3#@XI$+AGF1HZ-@?>]GP(_N3.7:,*#SF@;_=>)D&7Z,!%VS.&^?_,B';U7=_MKE\)_=>)289#DNUJ_\ZUC?X3/&W-KO0C XL-+4(/U-L95//_%3Q=8N$KXGY%8F[M\.0*<|ZIA&<&N;WIHE]^@)5V5]+,>HW2*+G@L_P\N82$>,[5"BA"'=.M,OJG/A.F&;R5:&!H&8$M=DR&)YZ;D-W1D6R$0!PSA7X,&/_FB9UZ=_KUCL)O ME5;6Y5D*T685))?3? &*G282E!HO:5KL=W1_8L(G;\]+R5C%I%J?>5T&:-B' MS0D7J9+/)#@$_>B-+F;J6WJB+BJJP44"B#M9$-!*^HGMG_+%BKTA>.LO-ME\;!2MZE1J93\++#QTD=GK,/I(]L5GJ!)'.- UX%@FI M4^Q1P5;?P>9;0-2OVU?",,**,EX1.)^@"Y;09>F!S<V)<2)K?TCSN3HQ?T-MI8FNI4#M4R2!A:M'.9T\J8IR62H^,^]U)>$"QT1&<<<##**LQ@//G..)%+<; M/^!_'X^NZ("_$E."CRP-Z64GS]_M2?)#O6#^@,1$8#_'(<6(O<9]^%[Z)+0! MA!J'.GZP/ K#D5<'YV9>8=-R'DLCP9+HRIXK@49VM>[Y]4(N7 M.4*9Z;$GW?%D-8]+"E6"4JS5M'-J FZC12<&+I_$K;DWC?A=?$5$E6RZ,RI? M M9K97#(O?>-W0QNDN.,?I 9^*$GX@L;M(*]+GAE:[ZMII3H*%[PHF[7\4\7 MH26..*8[P:Z+WVHI_/$,@+YGNY..K8K(@//>"L3T4Y07UM*A&?^ID!HK0,K! MVU6_T9^^3CIS=^^=R41YFM*9N"%,(9H0Z)CP8K.1U-);!U*8LX-2AY$ D%'S MM4UB(;D/R> =FY^ \R&>DYG9,C ;1"LNRQRW#AA4 X:!O)>T+UBW>@Z9C3:U(MFI2?WI2G&D^G;N-IJQZ_J&-N[*#[(^VTBDE0@4,Q Q !3I^$Y^CBK2>O/|1E M9EF4E-X ;,#-/07A[]!*9(J0&Z+ M3W --T* _#A#6D.(=`9N\O00@1(P_Z)]+Q% *(-M%4T4/Z>]=U*_E,%E;WN5F>77'D_YO4R9/DGM;B[SO4P?^C-1OJB|<7=-'?]V8 M'[#9GV7[OV\/2IY;G*N,%K-710TI_B$,8G/)W;%YI^VU+0 #?7:FI|!PF(=#-M:1;60-0.JJM4N'IX$!CU!O-AD,H>%<4660!+]>RSXC];SG Q20.D8 /-M(\YZNHO3"8?&X^I>,R%O*O?-SIMR_T@*C;_*C//P1$]?-FZ+XL1CDI?W@.@)K M1U.2R @*)C"QZ /%A_C"';L"2-808"@6A=*JCS6^??;MHT2]8GM@[%DG;ZI0 ME9*8.Q"2EFY++)$B<8EJ;QPD+NSORX.^.=ZB1+_X[?]U;A(VK#=5)E1^PS,1 M9"35"//1L^R<_9$,)6"ZO>2I7%/ 13CAC8:*3!31@O1MC:.AOZ>(!,@:4J$/=`V^NDE>3 M2T)Q5/;Y|X\%8CI0_19XD=Z#([4\Z/WUB8S TPYC0#"0CMI.%-ZHP+:/>W;& M.J2^D%&;HP.Q0D#Y".=/=6B% !E3_D:6CS,9$UW\7.#N GQL,H1+,ZF!%WN M6@B8\5CZ^!J5AIH)#_(,HRB0:\4CGE&*C"%"]!= B1C.AH1<]=*.-UE<[M:#LAM(Y/^PBD3'R%_-->O0!)-FOLEE&*8>Q%DLS6 M"@J:.(U5O)YY UF7,D^_M!+ NX#UI4*:FFLH8C1G>_!;3>OO&B]0R00%9.3_ 0]%4U@6ZY9!ZG?\ MUFK+/#=AUV;SLCH=A<^.UGICA%IM$9C=&PG7I1=(OP.5(;/LV\9UC'M7-G7[M555.)@$?=@IO.WU?8(R.9C]_;?(\!?T& 1E[*AUF-E4:3NB3$4_FXV^V!O(MJU>RX"]#YMLXC&>W8U5*.WCFWJ2-KY4Z& 4*3P?OT=0IXO52DE!D4V1Y!NXY ME>>Y-4=%* <==>@X(EZF*I9(>;8*)-_?!DJIB.VMQ%(0LVO[@PP#%@##:PIS8-5KVFLB"HP@FSIPG?&YNZB#Y'VCE[D(`>]OFF2TEF]0 M(L?**BH38R?G)-'=$%*2J-;DH88L12**&2BWW-L>LA/ M4M\N^U*I[:0[,D1;H[45:3"FJ_Q;?51VN&=\VH;?4BM@+E.-<;A9Q&A^&X80 MOEJ'G-,AII7!=ATDG>!$@#?OB 2PYZDQ%52I9,O<0=&!E'ANB1!ET: I&C M_&?^_ 4# [$]3;$)84O1WBQ.D9S!07=GTU!3@?Y0.2QKJHJ>A)G^_.]!**B'G MHM&O7=(\)AM46+.`3#2QPM)M0MI2(@&%SB/A'4U8RQR6G%EUEJG:O;J*=D"$X M-H/O=*3!Hf^YK5% IY8^XO? ##@2_9'LV1Q MC[/X(`_!84M2H@^JHA/`I(GO:VY4&]:Y?*L03G=J5C$0UPF I&**>U^.(P4Q M[8G;VY3N@?6X&$94Q61.*R)RDl:M:+P]6!EX"QSKAY!_<]&N[MJLTXRUB)(77+I & 0ND[M)MH9=61/GVY6'P[!=2?ZMP]3HSOG$=>8&6TQ"#/8T?4B6D=Y0S^"]Y&C^:0O0(N[]]3B,Q(]!+S:=-:.I:V3VOH+4Y MTI %K L">HHTQ[9B:>UL3>*F(U%ZS:/]*C[@%A0=]1C!C"&R&%Z%R% 6)6]UM=R8R@0P6H-?%E'_%QA.IP$NY8-I/'G-<-KYZI?!O M5(WP\F8<:M^V#>$1"? 3(PQ@.=ON^&ZP/Q@U2'8;ZU?' VFZ[P[J-I#IY TVC M4>$^F7TUZTDQX0+<638_TMH);ANNR=]^DKEJZ^_EV$#/)K"MB8>VQC-N'>M0 MO!!%B"<$$KPB]=FJ0!E*%1&$,N(E*LLSW$?3,P P*N'VK,=(139\>5O&YIN MPH&6 KB*I(%=@:G<7M"C*0WS2+WDSNF4>AV=+1E-;?0<5'?0YA*+!^RE474O M]HPQ68L<#%?HBSVR(>OQ^ .Z\#$D(D'93B%86HH^^HME>JU.<",%D<879@* M4]86L#1.FGJ&7"%.]K0]9CHR?<*;=1_M#P'HZ7,?'4[S<-RC@! M;4SARR& MX#7U_*<=N51 9"/]MK9'I)I&:E/0@1DP?V 1C8YRO!3M^#/GWQS#IOF6\)?Q M37._BMO\\4BFB^P!R]$>$P6[1-4]6^&& ?I?5,&L*=I)$46EC0EHQ;+ M+LMLJ>1P1Q8G/2/_Z7%=-2_#UB>TTI68SV839LOS&7.W^P/GF!J)\M1/VS!:+^CH'@/@"(-M^K.YY-[7 D=^2A-9^$WN; N)X^0+K9_ID@FN$9F@C!M1?.JF*[W;A1 85,#: M<=+V7QM+[(S2%^)6S1&$U@2NX7:H#YN5_W(F\3;R/XF&F;!&\SHCJ;S7!TI!='5 M/!?RB'K[F<) /NRM:>PN]>(*8R*53FL!4%U[C5B>1D

*(;_I3IN8!DJ!//KRYGA@QQ$38\YW1E/L5C2GKFF8C*F>O/|\D(W?YU75_M^G/E)*%=*W;FF0K?\SL?0.""Y3Y;+/=?%RSW@N4^MV"++7%/YELYEJ6#;T-* M!!"#(+.ZTWSD?"*9,TG89M 5H!\1MFI!-PZA19K:,[9W9/GQS]0^?$S XIL > M.X+7N^S6EI;8XK_NW%!/?EV+B:\[@S^BDC"0FK^=ND:P[!R&! M<(:&,5%!."+6&; &'*PB|(M:L)0$7Z1:PSV*-? WXKP5*ARL;_QV&M@@/`S?/;OO!SQ.>5%2 MCTHHCQB_&U-WC"X >T|P7A, ^7[/BZ6/.\%%G2"F6 */\//*:D3M$&3KA7DS8 MF1/BMHF@AR=3NGI:B6 _JH^:FCST%<[FK;P.6.*K, (PB(*Z4!-84$/ M&>)?:%ZB@.,.P)H!?.,?%VMV$3-R-6X5>9PLX$,/8!@\|/\ M5C"WHGBF:B1V=ESW1=@?3*1VZLJ].& ^&7AN6@H9_YF:*W0!;F"DT5:6VN"1 MP=C.LV1P!2*VC!??-U17$Z Z=.?DLQ9C$3H[7);U#B1'*J!F2%5:H.)S 73XJ#TO%W!]09)#Z0O/N+_^.B1 M@5A5GXZ9]NS)6&]<[I1=K=UL,O'^T^X1HJUILAIKM <[3K,X5@+'DTZ#T/#& M?]Y7PY#TDKZ,\2DRKG^P%@4)*!V$7WKUS_(ZR02@#(A*"A=FT]N1BJYGA(;G MFWJ[7H=43)V?U,U>/G ,ZH$$&& S8F OS!&H4KMESP@)[3(> $&H, KTEGO' M@XXF# GCN D^K"_G:I=K)5G&9D9-4W01UW+7D'(P9{$V22)(!S:8\<.+.A P M&5X1 (MR @)NRFT D//QW7GFZ!U=A:,Y[`!@V^\,S!0!DW&Z*<&,FQ7TO2I'M"5!-@Y@* @A:T'&E!-^!2LKRC@HS&ZA=T_T\ M@*SD/*$;2U'B"!++*2C02(!F4('&+ E<**P[R4_Z!R?$UN1OAV:>AD;0>($ M3HXT >]O]|OV7}(R1+>?!-TY,;X/IU-;9$K#=1I"^)KD]\|R. !Q#1^.#L0&O M& 5+!DT(1LFY>Z6(TQ"&>:Y:P5'P'F.PP*UX"$_QV-?S8&T5.C==L%R;6+O&E/3 @RN85L'!P2^ZKO^>NB MD9$S4*#@@* $TV9,,B.!-?"\$CW,10OR!OR(@D:/5]NUWB M/"+):?]J'V2X!W3[,B+4>7R[_Y)0@HPJ;/ (HS@\"=WIJDWA#/+\&K,.7BBO M'#^D8&_!(">/LZM\EN.J,80- A8C M'\|EF$+++?)"@NML8L;EAC1NG06!/N(^1/=]|,^898? QV3A7HD0I2'W!G

M3G?]H@=>)"B3PR_H&"H_$GXE03CKC1'O(1O6X=7!N+2'PO9^O+|MQ2QLPC_X6 MYPTH<4YV1]%D!_X_,OESU>?<^GG@Q>7 1F"\QOPOO,G^T=A'F+,B>P5<_#9" M%$)IWFWPVSG?C84F(XB2(0GLN5!YQ3^&NRESKZ12 Y$-)'J>7<'-CWXHAB# M2Z@5):?&*]$03>SW6L@XJK-V]JW8@WJ=K3.PPUAVO(R;4)L'7TQA$XZWK&OVM ML3>=3&A66:P^3H6NV4G 6U>V@!,Y*HB8[B=:,[\)L,D"K&B\|*%S|*:C\98=_M\-9!!-*BP$E-3G)E+UY'F!G4\@QP?RSEA?KS7X7OV("#^L%L_+L]?//HO5U? MH($QV5-[!R.TAV$'\|B+*"NLTE+SDE4+535L!%(_]VV'Y-_8;=@<>XASOV?UH MON:IP.!@&WM^Q!8UKUNAO=({#7&%\S!+X&#(,EN.Z3_LJT!I&LANL7/0BQ0: M##[AVN?+Y=L-OF9_Z(1J'&!GOE,7XLUW5 ""$7>M*/"YLFN_KS(M_RO4+RN MG:CEA&H%5^!\#@Y?HCZ:H?:$EE[9, M/U9J4W.%?O-%("V"&* 9HH]?BBPYYA;S(BR&/%)]';Q'Q=N1SF8=QDHQ>ZM6@\&PDW"59>L;0]4=MK)2R4]5"4*&QC/$FQW!;W/^H6U!(H+]E*E<#49'#DHLV0E[>!4)6RS#U)17L %H8VL)13S8(IP#_1&9 ("P(VY29U"PZY[:_Z ML5-)NXK^XWE]+?{4SHQVA!:;8HZK&Z[46&;]AO3&_)>+MDXX!WC?KMF@=M(14)%,]$G 0V^-KG9\6+M8W(ZQ<6(R #.@4Z="*4,T&\E5I08?C,KL-MP U>V\!?@T_N"VQ'RW30T>L@-6B!(UKG1OR"N?Q64&,D *>[!@CKX2C9D;1 M):Z52VP5NP0.HVCSM9Z;'KG-KQH^0L209)CQ[_$)#J-!BRL1,44BH#HEBT!F MQ2 'TD72&9 0>Y?5W'<^!GG@=4YX6>8U*-[)KBZ[.>V/"^]CE"@=_^,8"PI\/ M@/.!$'X/W?N/0/!\061TTL1@:HTAYP&L02+D0Q8SOV/HHD#) MDOP42GL6N5E)-=6L1(L6LECG]J@YA536M'½,6^5IP@=FJ,?;7W]W@N.0M(^]UBQ%1T'NNT>AS-2T;V M"OR_L2YWK'\+G]+=>;2$],V$;,!#'9(*RG2W[BV1C)[3/XW'V_M4W3RGC[>C M? P+@2WZ[IBG@4P^99(GSO%E ?3M@3@S<1R3W!)?=_IV"]CB!E6>GD9$5=+\]M7I@((?F0K:90]@NX(\"_0(@T.$@#AHPH+L4Y$=-(B2WJYD82G)OPPO2UH M)3'$&'&-A/KH_!R-VY/AR#^H3WH=S\A?Z>*H#53(*+0Y+0>5>ZBL!)YG\=0 MO,&JK]1S,%OB@W'[(^OY%@3!%SO&%1Q<_Z69@BOQF97-TU('T;P+AB3>L"V^ MWX/^;NCD!V.LZU:T!XJFAHX13'3X\ZO&1 ZN=T+QH4?,15?>%'AN86_Z^M- M]0W,3(GU2?.%"2:I*PWR5XD_?#)(O5%NQWY,Q)/K4U/FCR;.T->'JYK$GM\' M.R$ZZ0GP"\N9"B>^.C KKKA"/P[4"),*ZI9%>6+]%2(FQ^XMB=>)AJA: *_5'M"WW*4Y M-6F626\9 LK=2<0M813-R&VFX9R.H>YS-W 4O0L F /))OY 0.>*77L[H1DB-U51 '>QM0ST9ZQTQTN[GV?D2=>P6]37@:UJ M._K-#X:]]5[+QX7WHF3P0WOS/$F?PH#=<[:.=-Q;\;HO1D!?*V%9W6\"/?@7O^'$9X M#AEU>UEXRO9E[2#L7>FV!%>@T*:PJRI.]$N6NZ3@^LMHR&5:.]NP"B"D9-/L MKS4"#XO+"]P{J3L;[6<(*\+ 5W4D.S1*^ 3;T:\V:)&W?EE2:-I=W5%%.%X. MO58X[%.3N:*6$H/SZTTBDR6"T P9PX&!B2BX\&]/N')GI3:!<+ M=D:(&V /1.A ,>KRKRQ):UP16]NT.M#'O?4Q@YLC/:WSL;>WQJJ/+GSG; MT5O ,9 ,;!>L/=8 "UIFAA!HM9>QPEC0C'!M5^L6Z2IBFI(#"5X&AGNVZEL*]M,!SQJB^SG5.4XK,]Y P:@\NQ+!5U%GU!<5,[2FW.]JS3WFT<[0F?M3 MBX!JT,G+3A89C[S^/2Z^A/TQHRR=5,"\6P/_"LMS@I6+F?0D.ER6(4S;3_->)URA0&-AZ0VP'YA_6! M0W@*@E\53,?3!9$G/S6XDUF,?AFW839]F*WAS!ZVV? >E5NCN#ME!>F=@Z@\B M8!#ZL(L4\%]-7B'#*H9-:B.NBPKR?:1,HWLE&,>I7R$NX)5"L4K!#.@AH,* M&R5=EX!*P^)\NUYZR#.'NU9LSL7]9$1J/6JUB0? 51^P'0%D.7]8D!=V7$D'QU M Z* ^VPZS1U8YEL49S%"^3U3D&N74%.&T2652WF"?'C/MH94+847B'P:.^9% M"FV,]- &%-L4C),_1<%TT/IH>X6.0C85\\5B6^ 68MX'@=R#XO8#I'';-;3I- M)8FN3)EPF4U7KO,=>W5\S("YR:KO-V3WP(3E5,&Q_Y5;4+];FZ!Q__)3 (8@ M34L29)(O=:\]$O&ZUZ>IF4=OOPCSP'L2OB/O ,L$[7TPK(EAS5]3FU'985G+ MCBKCX&!K\FSW1'>GA;4NZ]%!AZJL7_2N6&4)^Q!886A8F\:O.6UR<1.KB05 M0^^0(QE]N.Z0:1BV&I7G^:1[K(E0@<(0WBVKONQN.OP3&%$/ ;]J M]?Q7DZ3HT/HAR+HGD$_C.M=[%*%'GN8B*L+;/]J4[-"ZN+&MBX=#Z^+0NKAI M]J-[PH$$69XW60;%!SM22+A[*-AT164$ICY]J!,D6-9^Y,N"%IVBI1"]H2 M] H7]KIG%_^A>W8I*\R4:042*-SC M0W!A@EK.Z)I0Q0R\M"@K9DB4Q5#HWM$]19HZP1V:\UJN;LUJ7=JQB#/(MI_8 [_*1;L< ?& ;5D)EH75.GU*)Y\U;-M:OI=4^\ISLM>0?"]D ASK:G2Z:S1F*\2CG$ZSQ@UL:;ZPB3 M15OK#FL6.%5UA77C(%Z)Y-H?!*)E+X3Y#>CQ+> MZV:O SYA,RG5;@6!MV-OXE:E,8W'<5J;COQ'R)[0NQQ\(ZBSMJ)P;0*MFK M" !>#X^*W&#(2)WU&5V[GN8P_^M2=V]"]<%,8#AL'YH M#QID+L66CW>>RQ)U+C!BS3F?*>;)>,@,T@[;FSHG; YNPN3DY6.]M4Y9*\NM&#W9WGT:W%&[CO*?\.M^^ -.?` OH$T*UYKOL"=]PQ?;7"#SE7Q*<;U*;DIV=\S1%[OFM]-W@[N&*H MV3!<]6Z4FH"@:@3\M4P.BHO:"<^N\%T/O7>HC@6>[TEP&!O_:.]PD-L:ERU-\\PK_++ M:Y.Y7?JWI9VYX7AI:_ZSG<9QJQ +FL"%3R:AQSXD\6(JK6'W!$F7 MV"_*V')Q-^:,KE51L?=X9Q\+W5'[_E2Z,.T]!M:F@>\R\;B78X&O,M#QKN, M#R^!{65/&:4) :L_33XUN:!HF>03$N=[*N:.? 2(_L=NL$:\|3$$F,$;?_5'+ E MPH<[H-5>\V\0TC|Z2B-NOUB%)HG^2=_2A+# O<9O^5IVNZ8VHf'#0N,&[Q$_O ME<:+$?9WG|WGT:W%&{CO<+1HD^PW(042]!"?<* {8_.4DG]_P@/-ML!?]Y9??T1/^A?O4?5E(HSU;9%>/EH OR-A>A=X9!5P&NR$$+%Z!GP"J-4AG+? MAD?RVC?5JLE*[5&H@L?RS-8C1\=9NJ.3GU%[^UV(IVM%=H9VD4<',X> M'3T==:C2PW2 :[Z .;0#@I,,SP8M KTT,^\,/6G|W0EMI-MHO%*A#!P?.YVP2^IGYYE/XD#$!M58=*XGL.3FR"(H[-5[Y<,SWAR3ZTD"DDE M)@/HSXJ:9D@!"O#AW$]#:"W/2H[;R(:"WGS]IKVE5WK@-7-P5?\0(6J'+=0EED9$(;5+NZI;!8D. MLQ_-'F+=[;- 6?[7NSKP!ABPP6<$&+66Z>I8J6B*\KS(=_L6(.WM?F^D(\'O M*B<8@5E1#\#E)!G]23(K5N0Q1!\Q7D*1VD?>TL0Q5'#PZY#;'8,"<[-R?V MI<:._#V6,5GS-\W@*0/6/CN>Z0!N3#U*=1J S36%2UP" 7]S4YPM#?>!XC' MWM.U*'UX!>.CW5VJO2^P>/PM+OY]W9D"G8CA'2="HNI?,T)#Q,K;N=K]439@ M?'(",$B[]@E[M^3T,"U3 Z338H=YB<#:;]^,6QWU[H6*H9T2.VQL]DS,(D_G M J9@8U""7Z;3Q AN5QX @XLC?H#3I8@HH$'6+@*X USS@@,T7P&\;SY,)H$M& M?=*U<+G'_L!NUFP3PMK(\E03<)7#'6Q>FL.TXK86,YAZ>I"><7T[U*Z/=U-!N M4RH,4'Q-'U,,])$;,;TM0G&A4-^F9Q93Z@=&O-AFVX_(UAZ2F8%["7@0TK(-M\TSA6&&,B&Y]CF &'.0H]N83=M,2#T!'@TZ~%KP.0M!4UK]"BL1HO+,]H.O: MK_V# <)S6MOZG&&+GQHUWMOXA(]467$JZ9)!'HSQ,1DV>/F9M4]95"S3G%_Z MfVD&.*9C,/CS-/I+420EO(?_&R^6+-T%_:X]@D+7W*#%L!]^S3.*4,>VHWE, M^WIJ:)_/.>+KM(S!=YWO^<'IL,?>AW5+0:V _>WQU1, 8WJQ3Z9/'|'3?FNE M[KX^[Y/98WJI,P@[#[[IW06BV$,0;A?H&\Y7W,0.9OKE15[DOS8V!$MGF,#^ M^=-L.C? SW;W=K\^/|K>FL^G.UF1RN\M0)DI\R>[D!_3O[OZSFXZV]9-L'>W,9EO)P70TK(-M*S$Z?] M9'!90]4Y32+957*MD@<0\-O%K/ NW9!(<;<9SKS;]NY;.5T6?"O7Z5U$E,CCB MZN3[++!-:KSN[_0OE^RZ,;T0 7L6N?[\)>TS[ZHVOL/3-[07&$0^QN[*.]B]? MLYSO&M&Z;O9WM\?77[&;-!=?]?0|OZ]G(X.BTAZ75:U\QJO;-GY^?GVY69 M;9\49\]>E;-3& [-5STQR$I?/DKB.GXT()P<'A^-G=KF,]P_V]H]V)N.=O:.# M@\FS]BYG6^,+[OC3X>[V:,U8O]36[3$<7V)F7/]Z@05ODA19AQPD\IE7!*3 MNN1OR"!E _$:.9AH+ ^0@*>.>:E:HBR^+2T9.@E-FNLTI,%?]8SV]U$R#V2]6 M'6H[]=0?>]O8U_+TCLSU^Z@LO\6H*%M643>[_3AY,V;>;LIVC_9WQ\YW)LI]D M\&AOUYFR3V.T9#+X+7LY^S&R%KS@<Y.IM6+F6)7LE8E'N'QMJ^M98OK\UN1&R MMMW!Z-V9T=N]_WM^,'K7-WIL.[N3P^<'@!'IKD;O[[%&]'XD/H-[JMW9U9O M[_YO^L'J?0>K-[FMF+77>+'&Q#>;J4G+3/W;8*#NJX';WQ[_^_W?'H(.%8@NU M3%Y-2_[[%3=@GEY_]7P[^W7PV;_F]T^WMD>_|>PW>__!+2V^WCG]O;[ASC+ M8GM;$[UZA]TCA-WS428H[*3__TP>7SDX/[4'\'_MS[O8SV^F_[BYF1JM(W8 44-X#:),?3AZ@*:R%H.CUR2<^W7!$;9ALH;% M/'2S+/0\U\?3P1S<32YW_.#,P=WB"^]Z)EIV87=\BX;!%8\X=_*AM)L^7<:9 MW?"BN?:.>&LX@;'*\&K\AL6@PW6*+0$MU:,'>\)?K9"2$-EFBP1/V6:&>)] MHL$4/6!3- +D'3M'X./KGJC&$3DZL<7=_YU++GWWZ)WN4@@SHST9MB MUB 0&,&XXY>XJU/Y;R) 30I#_)KQ<@G:X"G5=-Y!5RJ+0+Z)ZSA"2G*1SL0[MU?%)A8RL4")*$L;*N=_[(V& TOKO1.'[JUX>U51YE->@IV(J\9U_ Y502+#4HJ<;"|"1+#0B?I+#,7:S2' M'|L'\|_O"9%TZ7\Z5==BL'LX\B-ZBVO-3 TAG'"C"%ET]Z/%7TS-3C=[TZ) M[3\B_L^[/,&^,]"AR&.B>"19 -#8 7K_8@%L_G%=E*MHIF<7K:>|?X33^.TWB MSP'S_%4GZ/G>47N"MO=W=Q_>).$L 8M\D!NQ@4A=Q]9WT43M5011?BSP0%:. M!%?B&>O>7XG G_4F6/CDZP684)2&+T*R*>M;E5B2; 6W88&*'M#RURBFC)#- M]8JU+/>;\U;#HA1V#R<0\8%4_*Z N.E7BWAUE&<0#=9HR@M2X,4^B@;-<=G N.3$YBN^D09NIW? DG#1Q>\&)C87Q%609Z^/MA%VZ5 W!@F]U8MMF0X6E@F]W\ M#?55;+/77I1(-EO93^)Z<\2:C[_]98/H7']]]?&?O[T]7F?VU[^<>RLR\:&E M.E6:/QIKJ#&]XHHPEYW;]$,2E+27.@4*] <8Z,YBF3>B$+LFQ(?<#5B&PO.=?M/|/?O WN=)K!#9R:TSB;@[<%X4>%,\#FJ\UXCAM%FJ~UJ4IGF?(C9WJY,P MTE7_.:[%/:47WMO?WCOX>K[@_>V=O:__U>XW_6KOX I#'!*GFUXG9$;9!ST9 M]J+PES__/GA(4]QWE9>SZ_^N675V_^WZ]O,?9^_]N'>U6^7*1)DIG[!&*& M[3M.QC 9-SL9FVJ='1ZTO[%^[8MNG_2P,@> <5G_64[^KW(YO/!TMW3;3Q,QKWVT*\<.CW*I7+EV1GLV4/9PL-DW.O) M&.S9S23*2E.E ,A M,OKT]3,NWV/-U5JO-(KNL^S^>2"YM$++L9J;=E)LF'!S M)VCC^[? K!Q,X3,.0>+P'TSXD'H?$XY!X_*Z)QX^E.2O^Z.-I7,I. \Y5|\SMW M#S;Q,!F,ZY8/8?IMSSF37P-30@7B7KV-LAOB$#^:'|[G&TWX6JY+?2?O>?SZ9%LOJO__.?ST!K M1?9?_Q]02P,$% @ -8)M6781?'\#@$?PP0 !$!P9EN+3(P.C0P M.3.P+GAS9.R]>W/K-I8O^Q_Y%+B9J3I=>7L1SKI3LTG))?:=_QMCRV=W+Z MI&YUT2(D%DB%[606]?^O?_]?SAJ!' M'"=!%/]YFX_???@&X7 9^4&X_O,W7VZ/YKBE&/W_Z\.D/1Q_ M'GW_N[C'W!^P_<__#INQ^^__#C__/AP\|?/FBW1=N7.%@_I.C=\EL$=|&Q MPQ 3@E_0>1!ZX3+P"+J5H\ ]01;C\#LT03=P6X)N<(+C1^Q_QXD^)_[/"6(U3]'\#4ZVWA+_^1N-E:U'B.>_A-@+&"PH>?OJ<"]-(T#NYW*3Z/XLTI M7GD[D0]YFUWXCYU'@E6 ?2IC@D$XN0NTG^E#"9.? _30^2E^V.,F-^WP?D^^B M>/V>_OP>?H:1/QU]^/[H^X_R3KSTCY++O;J/W9/@Y7?KZ/&]^)%-6+NA]N+< MA50XN=D\?<_F\NG#AX_O__?G2_[PY<4D"/]>/?=Z_??OX>= [+\&*7QQ43X+^_MD)\$_=%/]<*]C^\YS_]EP8-&W)W$VK967W+.;Z9>YZ>^2H[7G;L[^_>8__@=",)T'FVT4IX@O[\MHR3AJ$!?\=21E=@1?'7W\ M1!?>=Y38-RBL? %%]!/Z^WR3DXCEH$FKE'3H)N0_GR M'L$?C>-6ONW!#5Y:P.\Q21/KJW^\KH_C&?YUL'!ORJO>) 7O5WD/.KONGB&M<^X5[CR%MGV=_9UT6M15IX*!- ;?/>NO#/+WU^_=+CRQWA%UV]/&[ZO=]WWJ/4=A MM'EY#W>]OZ'_^9M4?^2_\|_"|,@?;F@8\8-IEO4$ /T^Z7RZG*R?J8:E,! M8^OC!_@_JFMI:I?ZZ(4^XM201N[? WQ>)%,C0$NPOP0|@G[JO08^_=X_]@B< M8[I"-+/)XNKTI.KV[-3^\2]N+PXG=_1/X[GE_.K MDS-T^Y>SL[O;MZ=[*E>>S&[[@&G 65X[R>MOOHU6:P66ZG@? PF]G1^D8)BU+XVBWKX/N.Z^#VCO[S^>R*KH'%,5IB=6IN-1A<#2!ADKH >R_1WP9)8MC9/%Y^N;L[_0 MZRY'^/4.7B]NW-6)CC=-`^^":%;YQNPQ=*19,N[M^6'? 5<,6S5_F5[^MK^MR7 4YT]$,P8:5\M-//_SAAQ_ MJLQ\_D>(C8:B%=+'8_:F&!%^T]9$V:!(CQJV9O9<,^=>$/_JD1W^C#WXF[WY ME8NA^LJ6I_QCZ2D#&<3H()W0VX/;^V7/K$/0 J,P]LG57-KRZ/Y8\8(R.H@1 M0AFEMV?7]NPR,9YY<1CMTML':FJ+IU7W8\OS^5/I^<#M1XM=BCB!M\>RYROU MFQ?'7MU+I'YL>2P_E1Z+O//M>>SY/)B=0K4"4% W6ZJHEAS=;9 M%-S!-$\'^F4WI[=GL_N"J?@CKC&,=N,*A];\9J6I_6Q]+0H 004$"7!-[VW MY[3G<[H(Z;7XSGNN,0'TWUN>SZ?2\^$W(W;WVY/9\\G0]6<3I$PYID87-=' MT,%AK;'6=W+D_N^].0T8LP"RY%[>Y3[']F1X#;*LB=8V7=;RX/Y0/L XC;?8 M,(_':=,;9DN@%XV,5=G?(2D@2>+M076WHVVJW]PG^QXY*X.R1 M_N=CT90]_= [R>,J.BHP"8B3>GD[WI]/'<9CW2\]FV;(*]GP>_9V2Z)W\]_;3 M=NG3OO/NB07/MB#:LI3*[ADS2XF/_K;0C#BZ&U9(T_4MC[!L_]IQ>K\]3;/> M[\87ON&&YN?Y8]E-5.<)? WN@9GU]#0^T\8:6!UKV)-7Y_=X>]"$'8,.3K+ZR MY1&6G4UE9^#;PQM'ZYK[/F&(YH/XA2G7D#,ZV*-@[4LH;+7RXB&=H2R2>EN M&/1.S.MM.8YE.7YTNA[;?! _EKUY;A8D^OBV)%TN2745)>>MUS%>L_L7[OO\MB,,=MK59=AVW99G.R=QB'C=U<7Z&(V8%I\N.NR2U?;/^7VT@QS2-/;6]."(M$%NMK^L$6A9QV=]K? A'K>ZT'FUF6[/=2'0,OZ*7NAZ]?/F[EB.@!6 MY6[.=HV+$$**44Q?RBN_92&5_>H=]Q8O!R0G@>@L$)L&$O.0&LW:.C.VZ5S'T1;'ZOO @_QC%VQ! M#]CW,&JAT;)>RD[\AO4BA^(()"*PMZ/(]NY#C=QXAW7CIL]>4T^M9:54^>H[M[2QBQ)P5[+9:^A8N[:.O=+^Q90V4W>.%@],,U.-[8\[[*?65)] M4T/-YM)"\L-],95BGW?\ HM#[\B'[- M,3C*QLG.7R;U:-A8.H5%^]]]/?DT3+$BA[M-2O*M]6@OF54>WGL=[$6@9154^+6+E>%O:\"LB9(O#M_+T[?'K2W\O>S? M+):';\NDOA.E[/]B\%]>]OPIF M&\2ZU_S\$.-5[\XL_Z+=*8TQ_OQ-$M"75?1^,3 S^AG G*/PR.>MG Z<9RT=_MVI,.-EX0]HTCHR=:,;ACC9X$?-O)N.1%[=/@8_CH]'+X^BIB]!)'*M[@?B1^(-R\_%/ MT,_M$^OG\B_5=_]FI]P.1DXB >\0[&=`08HW908ZMZ#YEVI*S5.6\ZV2O?]0 M?^(7@CE$]B_].YQA^T.9*W?!BOF)^B%]?%'-N$]:C:F2\W;((8ZC@U:,_Z MPC:8N;- Q@LU.OTS2RL2CU":&)UXB>?C$S7=-TIF$\GA[KX]0 M,W>'T!H3@X66.1:8K:0[...MW63Z<-^1^(A$T-1^Q90DVI<8BT'ZJ@LQ(IG]M!G.TUSN +NAR4CB;QFL1:^L9Y7H>4Q)LYT)R9R+>VL9K19PHZGX7>M&RQAV7.M&A_9X9H\K"ZCZU+K0]VA$/9(+._*^=XD7:\PW?*]WH3]B'I\.D> MDEO<]3$?3GMP_32F1O;COP/L,;%? S@8TQGX=:==ONYD$N+UV Y-#.A?7GFD: M^PGF(.(N7YA]8M.=7Y7]B8[%M5'3R-*8CZ>6]H0.08<6WE#BJ6E4N!??C33& M8309L7^&UN(/U-2'UL8/U+C'1588412&8JG4- 6PO7FKN=LU$KJ767@$W4E\D\U=]/9CI@.EX37+WMKCA*R4>Q3MQ4C=[<.]NJV!<@8[G7KN3#2XZ>]).S?: ME-1.'1KQ3+G-#S@*%?><2@&-YU]| GW$\YJ,K80>QU(36P8G807XTTIK0M M[0^&[#[^NN?4A@[$FG%S'4QZ\)A?*S)HOZ!?1_*#B\:,CB<|C@.Q4[H:T,# MY*WCC.,X[0A 8SY2TCS2P(?QWO7O?4[M P<;T =C,'BT)]6A?0(&.3^$=#[M! H"+NDG<34P5%NC\#WG%RY4U(,4,E!D\]/BYQ2'/O;U@D$U<++3,74K]NB! MV"80^.9OIU#/R(}):1S<[X#I:[]S?O:>@\UN0W_%<9S?2(Y?L@U5B"0K=6 MGDDV>3Z8,=+O#^0X5_>T\I)(}OM=/-@S-'M*]:*,-V+^;\7H3 8 MDAN\Q,$C&& UK'6Z=3#&X,6X\C;X-%/G=.GI\[^. KRCZ(5M(M]{^_\1(N>I'1.SNYCI+4(_\GV)Y$?O&=:+EXL+= G@DBM;IELZ]I>K#I2X_$ M,T'Z<+)+4J]9Q2PAEVJ2,C^WF:5!*S&IH#W#89="#PU.&8*$S7%O& M2 4&N]UK>-=@$OPM#E*Z7*=)UU\.I%50K B$32Q.N]_E>DM*]M$^=P[' M%DM06NQ2>O*/I5T'1.EZP;4_A_!LS3%\!?AE]YR]U/E4!EN?9]+7M\YF"]KYILX?LDNN?9>&.S#DQ?[MKZ*CO9Q\N_@B|'=+-A^^U=*WG'X.'C'S.=7]M> ?3&E GJ.U"RUPU=_@Y;;C_[U64]B+B%EFDSC5&*5_94S2/_YV'4=4_.DB MOL7Q{IT:*O:]VLL&>RK:^Y!P3=C+OKFCGQ*JA\'&U[BS[$O%\(MUOHO#(_5/ M7^B?!|_P2168TK^QSTV!^K=I/P*,[() S\G>S>E>=1?]5&2+PD42ZJ17P#GK@&I:G^>M-Z$MC%$&R^WE&%C)Z3\W6,V3M=_RJUW52L&>UKB16T4?_Z:Z2GFPE(ZC^(59H=JQ PO-I7'BSBKUCN/VF02V.B"-C<6_019+L<-TJK+MZR)44;,"*I;.MJ9BCV^HQ?/"O ;4^%E"_"PB=&KKBS#%E.?FIV9G1*>Z-^@..2_MOBF\UW&#;7!4(<3|G52:.!Z6DZ.N[3Y>.)H*- =^A#% MP3]KSOJ;(PXKQC((4(IT^QHU3OC5825?0.I=F 1+Y][^V"1%.P.ZT*RR?!V MQ*!F.[P/U+*$8-6I]Y+.,5W0C!ZT$A]RIVUG]V1^R(RWA)'K$<8TB4_Y[N)6< M+VMMC33473X8 R*O3>6 LPSQFME77SMLV)KWJZ$.S>MP_H$L[E=R73,TV%B:/EOW'3T9(+ MQCR.Z>.1E|-'S47WHNZMRGUR*)7A#A?]C&M9N-77CB#*&L2.TK|+5%PX7,HO M3B&BR;S0/O:/7[[0I:X%7T3)<5!2N X@,+W11+KMH)"W;"B73WX(7E(-QO M&(P2[_^1,>^M\2|@"YS20U3E'YK>A,Q.SD:V;9U!^F4;A;_25P!<_]LLI[N M8:PELGPC^_Y+&%1;CI9&,R?KCJ4]J0RGT(I6#+!0TD(_ACH%M^F6"1QB M+1K% 82&.]04$L:^M5]9L5=;XK'9,<:0$G'MQ8N8A=Y]QDY-S'2?.X?S=PO+ M6*O4:'3NU5_JB)? T(#=6^5O)MN&5=LGBI^9C6E$C?>8UJ6B M54H5')Q#@=V)N7777GDN\L*=Y1&>)<3 "=02/#%%U6G"5*5.6/IY^#9+9*],.MA%NJ3=]\SQ#L.*?RR L1!(T7SL"C:8R.IMA?>VIN^Q';?#C_ 8SVT'3KZ]C M1=WO>X6.%^;!L)9BO>_P0VJV6[J&8V6'-2J =5>/)>6DQ6]:_603O?+FBR9 M/11.IVC(>E'ZN.,U^"/"A%JW/-,6]L:%;("B@%[Q5073>A#;C(@/011^:2[MT:\8P0FH6EQG/5=7X'3AYO>>>!^!>Q%[A84&?+41$3"D_+N=5/0;@/V"A,LF;TN'&TQG('#O1^2S7;G6<|)\[6!OBO)'7D*"_MD/)10$5$HZ;8?M^P!9I2K OVIL,2U+JKA_1 9Y[!>N>R=LTX4TUUT!>)^%*K M7>|/:'IG2SEIWFI$27F<(=(#A$8"@9DI$+(8N2:1=[AS.RL[!9QIWF>5HK MW5:8R<*IE';QU$B^Q.L;Z,%"Z-.>^QNJ[X/_&DHOFA- !V^X:T";=;@E[5SVB M]RW(D':25LU['Q*#,?HEI,<_$9#?WK(#*G/3'<,I0Z!L4Q4FDLH-/V2;5U_+ M34.&Y%=!VJ!$:!>,P$KE^0TB>\0R[25P)!/@F%0X7R/EI1^WVC"K9F;S K MCX/T_"?8K\ZC^"3&/E!]A;A'T3>L*TGHV E]{.[Z!AS_96E3BG$GBHC<\B M!KE@,4Y"C#!336O MQ%OO4!"Y.(<6R*U9YXRTV@Y$AWY+U6'5 MM0-6%G%PHYR16I^D77OY* (P!%@R&#B(Q!YCD3K8.UE3-C2,P@ZN/[*JR$G9. MRS:.>]K*9D9QW-Z#KD1 #'W$!U[]56QK9N&5M+\[J#TWOO)2QY#7 M_[7S8OH"D!=>BEWQFM1=.5Z;Z>" <"6Y%UA@P(RNW'=^P[VW7O)0 "TN01WG MO]"NK'O'>]%T'T"K V=4OQG'$(<&X\H9 >C1Z2]+8[;$M0K MKAU5P$PV^,R2YGIT":T@,CU53E69<;!!S;QA:I!IS:QMN,$$R$]>%RMZ7B>0 M^<'8"?W&U/^VO;(7R>FMI#W+;L9G%.P[O\%KS41-;+5$5-HZ1TJYBU*/Z+^# MI7\5I7_%]*A91G1- _I.*BW%.7T;Q%5Q7AV3L>!(C:HZ1#TK7NG%;;AM+CX;+ MB*?%-T)>U=\QJ&5<[NC3U(;]_H:!3:!&>|>T'EI]*D$=&#V#?/8W1\6L4DZ[MW_P*SZ^\TVA@6YSQO<$5CJ63GFX?3]W8)G42BPVG7L=3I%A=:] M*W3$%X6FO7_WBA8R Y;=/&D:XO,W@O@>3&0+/X81^7,1WT5,] M<$;YRL&ZX? C_O>,0E_6U"PU7CQD!KKDE:.?[!RZ :7%.%"X.GX.W$S1LTWW& M>P=H%8G0*).>9W0KK=]GFV]XA;J/2$L<4/TIS\!%,XR$FFL!1T< X[!]+72Z MS_!C4%9< M.]117@O@6KYF#*E8!3!

*[K3[-!8B\/F%D5U;88N(ZJ6XKAR M.7;]=?# ;59^V';F-MUANAD17GM$0IY3@S'>>;1*RI77#2;2"ENJ3;:-MQBW MQ|-V%J;XK;?9"4O,'YP7ECKG6-#E6&/WP"H3 .=P5@N VVVO|--PP^\^I!ND1F=>SW!6WF^9KC0/J9D:WKBU2 M$7DD6<1GS\P^Y^%3^6/#^]V#W/3,Z(+^H+E6&)?OB&]:6JTD"+3>-">&]L@W9)4P1+/_(\HQB"'#*S"/Z/MP'855\S,6(M0V:,!&2',/C>KK MAPR-5S5=Y%V2#71O;"(TH-]-[P%]0DVN-81YZ]'H]|C1M+E3+O96Q8YP!&0 M%,I763?>[!WL85;-11A5LNF/HG9_'A8.H22Z6+7 MB^LSOM:GZK8J|O&X'3ASG)6UU#*_^SN?NE$9?6(01;=:TO.:+S%2]CMY.!0 M6^N===O(KNK8ZFSF,BDJ'OO)-1BILWQSN(GWC9(/<):AU3.K>.=@=I=O: 8*H,]# M@$*KSVAY/?X"_"7))6Y8O2^>81E:Q*TY^^Y0WID^WW M#5$ZH[4W_=16/).[=@RY!5#POV\,I_/MCL,XW/8_"_V^3/CZZ\9FF9[3C3]< MY@S*_2S2*@(#([MP^7/4$W&Q\.#U-5 M/K,=N46%? 9'3N]VE AVIV+MXOH'=M"[9P@AM%T4Q6>;=YR_-KO-,W2N*0ZO MHI1'0,OU03V)#1G0RP]](%(7/S;$\;#T)Z!;F-#IV;]Y M+V/2\!=-(GOP1Z"!<33BH]H>=@P|[7'7G? 9X:*^&.!@Z=R.OOWYX3X6P>IYQ MB%=!:Z)C)6X6'J[(P[6]?-O=1,2V_/NP^;XYG;(HH3=_X3BV8E8*)&WWKNE,_M^U 87P+!\00S#![B0UWN%?UH6$0HJ*_.H67GG(S_VR|:T4, [3WVDJ4/A1'4 C="5P/^O$M%0YO M'CZ/G6[=NU.8'L]HN;L*NOV"H7AV^O L/5(#&EY_[>M#<]0KKFI6@)NQAS9_ M))?"&%#UG7'?>FCO0\%6+.\&!%9U[70)%#K^;]J>K@- EX) M>+N0@&(V;,|,=3C/0SIZ9QS?{*I]$\]+AW#EMR^^YIVH:1O/NIRF^FS!3UZU=/-@<5OJG(?>A(;7K7!3-^W'=_W,M3EOP3T2*,\-M-/>UVX_&P$C4+;D/N6O&K9840>W7]IB%0%+K[XHKP5737TR6/W%IOVHO*&>-MAJV0P05VZ\77>]M;1Z'P^]$-!B^]!ZCO^;"L:',]9WS"C^QG^J=&IUNGAY<-M!OO/K_S5,"[>-CJ$X9^U3OM?+85KU7#5<{U>_.P(%3]P*MSC1+W&]#P*.EWF6RW+OL]-QX;E7KIT>DXC]9PP;T:N;$NTIS?M&V0'?<+KE M,K(>9=""F?TFX1:(GO=EK@>BS_T^ALK0#OUV+>(* <]48^TP5\'G3;ARKG;'> M3=GMQO&^:'5+G"<27H20:\RK..%LOWOP0K'X58>QP]>G963@E5$Y68>^?BZF M-F2R:B'3A7&1M29K+&GK>O?83*=FM(<&>RRD04> [M"F&7G_=@&+56K5#;1&U MQ C.!=SNHBHDZ.P,12%)MT6#;0PUG($(KP?L,S%^H%M-\(@S-BA/#.ZI,@6M MS?O2G_# "?/*&02.%^92;PJU-|\SRI2VUH;1'6\>=O'R';U;Q^K2M;8Q, I*N M<!X!]>?V>,4WH(H9!M&G9>YVXUC.Y0S1U%KDXY]*(R@VDE%*(33;\^;H,;.M#:\Z#:.^";JL/6'8$[8"=U_76,;SB+4[-+\H5N.YR*R#Q;MFQ[GE/332-ZVT7G MX'R?L_Y.P)YD!\G!^! (F6[P,$>(3'VZU,G;JU.N6{.6;CT_5W G$3BW69QS M+]*PB%XLNNEV!*8Q*K>-KE.X%$D8)VD+'F)10H'KNG\;_%P8NXLNEM!*V M$-#@6%$E 0$HO0$%;,%DQ.(R. M? NERRS#"Y1A *I.H0YW#5@#R:(V%\&RBRL O6HO& [3D"4*2^3*BBC:F#=5* MW>X?@9Y6/D'VU-1;"8PQ2KU_3'[":CE:(PGV.?%4]P#@}THS(@P/\C87L32N]/B,-V,S' P67B%Z4M4MZN"*

M\IQ9$**S=\=Z#R.DAT^"U6($;2FP^J5N2PLW'B'2WU/KHB0W+;7K4,C>K1T31E2#RV! 5U%J=;SZ-1BXW$"B50@ MT]J"M'W)#,;PE]N[F/62>\G@E1O#S TW#+]CBMVQNP7;Q:H-E /!:20NHJ"3K<.C\.EX, WNDLIRB&+O;360\0@ MY,949;)D<+,"IDV;Z=?8Q11N(C#%8_]P*RH+'>+4*^!^LSR +&_"&\)<1FL\)DI[M=$#:T5[D!W=TT3T=YMK-Q56X>%%T! <=:,P7!QY1IE$507I ;WI"+%19_5/K MPB]<-H9RZ>Z;=\M-IC&^LH#98)ZRH3[I"_)MN_.V2G=[W5."]Y!E$-OHGE M UZS#6 ?S3=4S0YN1L\;0C^%ZS]_@\.C+[??Y"8<3HHVP]+1 MFZ2'8D5P4DQ5+$5)__T[7XSP[0Q.V"GR1?(LH7>2^+=424#JX=TX>WAPWD&_M=)X:>2 -[!'@'*NAW3L?:BR34RUQ-/Y7:,L.Z$L%)N@QZ[7N,V(Y1@V,7R$V*M%_%$)%DDZ**,,#J=(%L%E4FQAP5[!!R,/!X.OH6F' D.90 ^YK#7!;P\X,$(W MI#;07W:A36$,_!MYU$. ^ZS:;#(H6B$Y'03SO6Q"H%$C:ACBMPC?!@<58>B5U<3Y)<3Z[.+=, MG-1$00D3$%;BQ$*<$17G@Q GB_MD5UMC;-TD;E/!X;RH23URA\)M@#YU^=U MV%21(#M#G#"BE!&0G@9#9%!>BJE5(A7#A&FC_\QIXG>B;K*;R?"#"GP(<9Y MM&,Z-(HR9P< 3W1(9 <8X;8*#/D05$+4E4M;$7W$E[7@B!F,D-B%J]#)OKJ M58+Q6!#9W>)5'5 % C4I/5@J%O7_XIX$;W8.]%-BV SI(9 VA@H&X2N@@W8 M29/DF(R,6:9,L''7Z6QRDU Y\"F6RLO3@]!=/&7WT! ,<^70$Y6P_6IC3(X] MHG/&:!^=2LVRY-VH@S98+&AXI0\16?<]9YWA>

*M-HX>N<'27^%39)%.=T+,D"8^K"N(66.4RZK0Q+V MP8V;KJ9QV@6K?3'?_&ZK=4\+Y\C#-\ SP"[).&WH$Z<&!DD MD';;W]A3JA+.J{K.&]-@IJC6:@1==$@OQD>=_5%^+G:5-+K8_=TR/<6/F$0L MZ4 F=HL<[O[JN1@";6-DV>,N,L4M\4BZL^%Q_[!TE=UX%J^ LU3B^C)%F$0@E297#]D,+> =%O MT1I*6Z$CK4!2E#YK:UDAAIDJG+Y &+TCC+4JKNQJB^,8$N\|9^>RE!V)<),# M9'&]X+)HVGE <'SBI7@=Q;UX$-$T1@1)@B.?/QE@ZHTPL H[3W5|/?&@CO;X MY#B+2I,D"%@UN"K8U\ZP;87 U1,.O.S"<.!R!,H727]4H\?M)" MAS. %8CO9R_^.V9H =DD>S:.$5Y^)6-{HU'}X6D9I4H'RS0)ZBCC+SVI"?) M9*Y?3E=.+.+2=]P=XL_/G0;+TR%^QO^%_BE=^M,)+SNDA(CE.>C4O2=P M%??AGG\-9) (TG3F4#/)4LZ-5LV7W9C5P7Z0Q6]%,^=:KYH)0ALX&$594UU<]#%N57F'U-M$K!]=$N6WL9P^8!H7"!1N>H M&L ,HQ5O1Q<>I\'8@6Q<>W'ZHK4K28Y? MJ%]ZX&$(,ID'@/\)9,%=X 8A0^20W&#(}N7]&*ON#)=X<4^"-7MT<)A",Z*[M8$,O6:QNZ;?)BLN#@>; EZ8R0RIN2!M,BB;#>\ P)HC\0DQ?[V1IEB MDW+B>QI6?L2FZ"ROP"Q -=(/7 =3;ANDA\(+Y^+ (%&4DK:(.FN'!##%Y;K\% MZS!8!4O *,ITRD8#.P$$S9SX*L%R!M;M^ (:0;$K M-D|_F<&;DET2/+)C'<B+(#H+4H!>Hj>0/}>M M%|.CB;P@>F?T9+W=9R\>29X|5UT?>ST6S1->F+ZG#Q]_/A|_P2-^>T?!+2./GX_25[$4VIH=RS9?L.04HW]^2..O3?. M-Y+7HC60Q+CLH\+)@9 8J=Q,/A<;8N,YTO.LRH [|"&*H;UL/(.QJ^B82>X\17I"7)$<0[>*<(;%"Y|89ZIF!OJ/_ M&7R96,DK33XFT@1TC+8L2R"Q[O$!Y'FUN/ MX'GH?_92U@=OL3)90R?&02LZ$(*16$1-C@7"&*-DSC,_^>P/03L8H%*2K?&[MV /M]-1[24YQLHR#;=|T8$$1^93D#/D9T0GP0?(L #5T.BD."GN+_C#T9V%]M&U'%7Q?AEAI!EP#2]+$?Q)!6K\B)SA CBSXZ-B=4'/"=XO MF1> |WM#==HLF4!1=X1$;Y;Y!%RQHK,)793UV663]+N#0>YU-\7'H_X3;6 M7!82]|JBGUUS4A9U.IMHQ"67K* M>QW=]B)NO>NT\'>),32=+0OL]^7QGCC)$\3S.F&:=YUAPJ M$FK=[>X3^G;2P<|>^ZX^10HQ6JX68=:!Q/_O79*"(%7DM|\5Q]QO8*6M(*N5 M EMZ 0E'5&C]9M\.-,15/WW%+ZX008*"'YG#\ANUZD\H M?U1{B;D20W;^\";3__E4G3$1(\-4A:0**RL_68JQK#_|!P6XF>,/|4'FKE+ MY&B0;"[&0W) 4!;=--CCU=B&N@.*:O,QSUQN^%D;.&H*NYB\.K4X5AE'+X/L M&V42F'%UZRP_]6*L!GJQ4^P'C1DFI!8'|GBS&^10I M^)[V#_A8SIE|FU(C9?=VB$POMA(GFA#4 R48'7&PY,<0O 9VW\&7^#CYCL*E -M[^2D0!7W>3EQ!#-'?.JNX;+,N*%R:%G.#/^J4YL%E^GR%QT%V6+M^]A*.;B M55IL<<@;ZQ&;1<[6>3H+?754^]-F2+ZN-8H4HTY?TA4]$;/J=)99>!)C/^ (M=?1%YZ-/4 !YM$HC4G"%?B3,(ICN(2-9KP. 1/F^Y;!L9V:$\[GZ-J/P;?%6 MD9L,14Y!S#-?G51Y2'_<8G4>A'0!!ZYCGA(MV^.G7+U49-=$4>2NL-CY,)Z MT2LSAM[O+&/UX+GF*NBN%[;GJ;*]>-@#MIH#4U+NM+V. (8LR(SKB|!UD6_3A MU&*]GB@+1"E#(HE/A+/> 3'K;-08LZ5,ZA#H?3-[2Z9+N3.N;!@DCC|V^7Z2AUX<1-N':_7%/(.*,))-$IL4)[MN;#^WC%V>-K&+SA:0] [V(5AZY#"K,@^)D5&;Q.1)>=Y.K.!3<82=!PD=\J_8 MB_I-X<:.P)(:XN00T$,,H'7O!,N0N BUVKB8&JC!EN#:#D9SGP/00QOR0T\V ME3FKU|#)D6>HH<,1_5&,[Z2%O&L!5> <7ZRV5,REIWR9*2CLA)4]*R,2>3WXQ9\0$ (.;6QSIBXG*Q0S/.Z NHC2-'V5&&&-/1[*4W:\Y.;&^!"5N; M'?>4B\|X7N.84"$#7R0ZY+JS0\3ZD%]MDF|&#H@V;$2&.J[&9)4E1]$NE1&. M0 QK&8/4NAB4!T:QST="N:%0H7<|DL--G/L"\.A!*\"J"+@K->O2)=L=GFVV M)'K!>+[=DJ!?&T ^1*[`5JC:/&(O#O+X0%-DEN3XO-,:MHEVEHL5DD.@^73Y M+.QH>SU7ZX!3BWCMA0*^'=(CB 0^CV, VA9.Y+RU!%&5V=G7IZB//4.YT07(<DK=Z9/>/HLTFX(#-R18,)?1TB/7#U%HH)2.T4*,F(/$H:XS)ZXGK;M?)]E"M/9 M>X% $9YXVX#]:+UZ%2B2"&B"8T-0=:0 &N*I7,72Q-DQ7@>ARQH7HUQF=2U- M/+]M>3'$((&GC:R)\Y#+Q.F.VE.81]TATP@R$XX*4GTNAK[1& $4S!O*CC<%. MJ-PHP^#^]}3M2Z@_E+ZNET,]7;KB+7QH=O-)KH=Z'*&%F[\?=%^H!CJJO!^RX0WN$-[-\) MBA%&6TY9]G[*%)%RE;3!FHVP1G2-!5,+A)PS4S0&\M%&.BE9-VI.R.LG$>KS[@_K14KQQ+>6\,E7R'Z7#]5$[E 60-4NG) M@3RHX .RD)I*7W)H%$0 /2F6'S'I\ll,T- @Q_T_+RO1YQB91E(P%8/@^VXGT)#$<> C9@AT?!S$;,W:;_ M%B<(C7:N)#=-9^]RMF&;S>@>_<1)>15V6;VY*FTG5IUAQ;'&;\(H5,(M.IV8?^/NP0Q%\7(%_2@3>]84CC'6A1[R:A5Z;/_@SF_%XRM#*YVA>Q7=N7<3 M_)BN3+-04]-$,.B\EO8G3@8W!F4 :%XA[$E/*1Z81*U8J]&#&#DO%1QEDM(/^ M$06P2C9M.D^1&6RF7V&&*\E:[#')9&-8]AG;XK72D\=Y"Z/P2#)GU\7?$@+4 M M=<@7 KI'64#7F5ILE*V:,^" [C[<)ZL%KUH(EVI3%P*)4WN54H45;[SAACH]() M4E1FPWI[CH]\Q.PYP/P=X5IEKX=$]& N(FBG'"X!:UP'X+B+ /,W.HX> Q [MQR]?Z.FEMUOEK;4,]+UP'X+B+4]#(N;C495,8I 702@"*6DX*S]1W,BQX.W^H-6-7<-M'.8AC$&D^8T])!=8R364S:,HM_"9067ON!2U7 =/S<9Z5R!VIH$"%>,'JD.% MCSB3&17@8G7G/5=C9/=-P&2';F[D_))CM2O@^06,, (P=+YUOJ2X/RJ-%?(OF0%G;T+K,7CS=!9)>E)<20-$!UC5G F"<]D,]#U M(Y7>&64U9NV"QE&\?,$Y!RXE"IC7W M;@DI.R(O5NKL8V.@;!#;+>_L<4J^!B8+UKW>XBJV.@<]6+LOE!KW7Y:.G:6#]RO1 M;O!Y:BG,.I*$HZ)M;_QWDWCW@XUT2A#A)KB,2+%\.Y]>P[V|C MR&3">S&07<^J}?;$\FQ@"_W.A^"+\|[JXK3)]JXP*]B5HSA47'O6*N445D> M2?UG7]D[1H|&BY\EE;%(2BT)DT[T>%SR:\";T.C[OY,GB^7|0[VF$\#WTK M! [4823^J6['$1N$@$ZHAV8!NXAN\ MQ,$C]&1SA49[@E78O[UPW2G[\^.,/_H=_+\$U/)VZ0.U M[_X)Z9*LT/(6;U.62(2^_S!#GS\'\^@.OP*-GHOCZ(_OZ^_^)/OTX^],/W\]^ M^O$'=L6G'V9_^N,?Z5<_Z&A=0!B4B4R7VG>@&:*fZ%F7!H^86&LN9N!%:C MKE7^RA^!/8VB>55/E\;>7*.1F.&O^PX;>3.J5G3CS72RI%5'T!8^]24NV8 M8#_;BWMF.C"J[]_Y67-VV_B8YED]6AZ2,I*DM:-K8JP5O&Z9<.4]L)WD,E;# M6(]X"(B,BS#9Q? .'!Z8@8%A*#ICGW>A-\.6@U$YFCRD!@)N$_T'B@*H.@+1 M+56BD&$K]5)_(-* MMKM#KOTZ//|PBVX6EZK\KA1$]55?*M(5+]-H +9%]Z4D,W:N<&K '2GICMG_;))W8H#M*?%;T.$X MT[%U@[T^3*IEZUC(UL0E @V4G=>#P^8HK]/&22:X]BRT=L %SX\%;R)W(I[N M8FA;Q_RH7[91^"M.0#5>K&[HASA8PL$!5S.5"O3QPO=,S^EM=,BPAPPY[.A, MT".?"AR]L1147.>QZ3!EOO3;+@PL@[4.+C^IOS-^^400GXG)$,P%R0F _G8 MV; "CHA/B,';EGZ,\5F[;AD6\[GU>=S6?+P0K_5.'NT*LL6W:.?DL/6L2CU, M7586GFL#ODDQO#_9^_-NN36C83!=C<2>9AY\+4MN;W-F7ZH5:YIJ;*^6JSC M;Q!N89'(2K:99#:74]5__0 @N&-EDD20S',Z'24E 8 H% K-'>#QTL14=/-M.KU&6X2U'-$CF+CKJ["<[\X'*?1V:H?ZH$ S_[2XC@SUUU>?_^TG!L"G&@2?-MGD?L4F^32HTT'WKD? _GT6A;5*NG%RAI2$V@N5R;K:%=+MQ^D4=^GVH)3=^<[M 9= @L8N-WK8]T#P!Q9 MIWK2#X?(+VH*?R176_T2HY6I23&,*$RN@@C+G%.[2A=?^Y36EO[DTK5';18] MS:Y!"TVJ_M)/-167^C=<^Y9\;M:/X1.BW=-Z2#%1SS?K?RH_'E]EC$Q@# A^8CP==7CC=8L_9*[6MA:4$%FM"^F M0P6SKM@5;TRDR_4&N79^V1]C!HV5)Y0H]:LH\/#W\YJ8Q!&>IS$= C^](@4P MXX3TFR GJ^\SJ_Z9_[,HODF^[%MFE:$?H[TXV>_<^T>_--'?WVMN*_,=-)DB,< M3X'ER],SL>9F\?$)N5E,HSA.K\CX\KNGWWTJ%OZ4E"O/!QO&G"]/%1K5DL.5 MS+RC)6;W(T2=?,?-2>BK?+KM&1:=VKNV?)1;B3 ;>)=:1@Q3GI;YMVAL)+X2_.)KGPXD M.F=/OS=NZON(B#/F)0@7G_COE5H"X0IN%(B3[@'Q^CNO3Y\H?)?Z)8C7TT MB9>-<4]^3>=TG>NKXGC7C=:M'/Y-,YCO:8@IEGJS<.3!^C'=>9AY\+4MN;W-F7ZH5:YIJ;*<4]SC M;Q!N89'(2K:99#:74]5__0 @N&-EDD20S',Z'24E 8 H% K-'>#QTL14=/-M.KU&6X2U'-$CF+CKJ["<[\X'*?1V:H?ZH$ S_[2XC@SUUU>?_^TG!L"G&@2?-MGD?L4F^32HTT'WKD? _GT6A;5*NG%RAI2$V@N5R;K:%=+MQ^D4=^GVH)3=^<[M 9= @L8N-WK8]T#P!Q9 MIWK2#X?(+VH*?R176_T2HY6I23&,*$RN@@C+G%.[2A=?^Y36EO[DTK5';18] MS:Y!"TVJ_M)/-167^C=<^Y9\;M:/X1.BW=-Z2#%1SS?K?RH_'E]EC$Q@# A^8CP==7CC=8L_9*[6MA:4$%FM"^F M0P6SKM@5;TRDR_4&N79^V1]C!HV5)Y0H]:LH\/#W\YJ8Q!&>IS$= C^](@4P MXX3TFR GJ^\SJ_Z9_[,HODF^[%MFE:$?H[TXV>_<^T>_--'?WVMN*_,=-)DB,< M3X'ER],SL>9F\?$)N5E,HSA.K\CX\KNGWWTJ%OZ4E"O/!QO&G"]/%1K5DL.5 MS+RC)6;W(T2=?,?-2>BK?+KM&1:=VKNV?)1;B3 ;>)=:1@Q3GI;YMVAL)+X2_.)KGPXD M.F=/OS=NZON(B#/F)0@7G_COE5H"X0IN%(B3[@'Q^CNO3Y\H?)?Z)8C7TT MB9>-<4]^3>=TG>NKXGC7C=:M'/Y-,YCO:8@IEGJS<.3!^C'=>9AY\+4MN:W-F7ZH5:YIJ;*

*M9X5\AOW+Y3%ZC5+?36AWN# C_<7I#;'*_|"!L%8@%R=V@3BNHH24>W-MD?E_?E_A\@W_J?8+_>%0R|HGOI./=1 [.$'@X^\CQ_\=EMP8OR__\8>__?$/-MOT^=CRB,|L?24TP?\?^4^8;%?\D)H:.\FN6GQ(K$LF#$6F#\ID%T?$\BK>)X MO^%L4M3KPU%,J0-".@6K!S!MH#6I1:UX:Y,VX0D'MQ=<=L*^?L;OC$(#_C%24@-MTI_[@D1$ZB^%-*-?;K9=*PNVJ#98>]I$Q+O I/%HN;# >>-0K_G[O#N:/^YN MPH:#A+.US7$3 A;'ND%4##S;=4#M3YV(F!9>#@B M/M_@#FL>'_^%CAQ ^>,F!3)OLD9DSKVSYW$H=]BD(';,8W3 JPV9%#1BA8@/ M4&#>T6>]/&Q7K&O ZU\U]0(7'@>UIP3[&!N207\6@LT:,QG8+R;.?&$^ M+\"S$<TER%)A-`^NK]&=$:QOYU92N&0+Q7N M037)!9+]+J2T6J93Y.3B)4/6RA(--9^58'312T&E0#7P:M6M$:.!:4&5<5G2ZEF MH$A!FT%U\-G2IANQ4M#GK(1KA,T4Q!I4'9\ML5KA.@5Q!E7%Y_C:!48,%:09 M5.>>,VF:$4N%17+U%EMYM%1!IL4YD?H^<_D16@69!M6QYTNF5E1809VS5BV,_M2RM(=%:GE9%Q!.G.VK4\)]^@TUG+*%@4$%A0:5+6>H]06AB,6%%J]?BV.@RQ(MM'H]^T8C_K)P<"]2Z^9&<$!"M5A{5^`3_MO(T2.L%$BIU,:(%&K)YHH]$B5 M'-(]H"GU3`\>K-W)*3JNGD14%,JK31.1&B$AO50&M&E*O*"@((P8\&@R\"R M1Y86S.VQ#]:XVVONN+;*TQ$K;8@LX&VN<"RTL$N(\UIHS/6HCI.M^\"S\O>8#VKPR86|SDS+9F>IG=DV<(JG @PZJNR./IX259!-+5;1=U:9GVDTO)_")I==,B\"N*9D:OKQ@@)D7BN$&Y) MJYKX7Q=I-!PO7((UPUZ632Q^N$5705BK*-)1H?2E_2J*%6DK5U)'XBI(9:Q2 MB3R6:Z.6L5:EX2I=!0W-J";TQJZ"5NJ[4>[N71&1#!Z$?(_RHNNO]1/W*I_U MVDAF+O,5VEO)5$,]0V)OZY5=!0_4EH.?@7Q&O-&2>'3X$AE=A=(=/YA MR11A&]0XHF4ZQI*Z6$F;O6A/MX1MH* QB&2-&2>(_?4DU<*61="VA]_^2%*4BP?XW_Y]>MJX@Z?2 M!#@%/.NW?_WGB4 2%9^K@=49,NGF*HKW=_97-'XBH%D[Z*?C_C4*.$ V?Y\(M*&8#/W[^\DJ3?3AP=89,#%K1B$B@=G"'3:N^2:O^=[4X_O")U9$4$7^>_X[P M()I>18X>@AW^.3*77R%[Y*W*!:KR,U1DP+(C3#L -@<-2F -WL4OQ"!?!5] M3'>M5BT=0/FCIP7XHRHDES_Q-!VATZ[^9SN-]V]KP^:^#G\OS(GQH>X**HO M>0RW1TYM@A/4&,29X|I#IQ7[&FG@7>$OFS25KAF|HI@=0\)7-AN_$_?X.?A5F"M(P4\-$/9I=$;F>&M.;>.(3! B1!WP!01\! WU1E M@-'^2%*4BP?XW_Y]>MJX@Z?2 H[^0\;2VWT:)HI^TSY_2[:W =H]*7 MWRWN&NLKJ%L.OH)-BV0C4QD)_8N,3'\/Y\ED="'S$<TER%)A-`^NK]&=$:QOYU92N&0+Q7N M037)!9+]+J2T6J93Y.3B)4/6RA(--9^58'312T&E0#7P:M6M$:.!:4&5<5G2ZEF MH$A!FT%U\-G2IANQ4M#GK(1KA,T4Q!I4'9\ML5KA.@5Q!E7%Y_C:!48,%:09 M5.>>,VF:$4N%17+U%EMYM%1!IL4YD? H^<_D16@69!M6QYTNF5E1809VS5BV,_M2RM(=%:GE9%Q!.G.VK4\)]^@TUG+*%@4$%A0:5+6>H]06AB,6%%J]?BV.@RQ(MM'H]^T8C_K)P<"]2Z^9& <$!"M5A{5^`3_MO(T2.L%$BIU,:(%&K)YHH]$B5 M'-(]H"GU3`\>K-W)*3JNGD14%,JK31.1&B$AO50&M&E*O*"@((P8\&@R\"R M1Y86S.VQ#]:XVVONN+;*TQ$K;8@LX&VN<"RTL$N(\UIHS/6HCI.M^\"S\O>8#VKPR86|SDS+9F>IG=DV<(JG @PZJNR./IX259!-+5;1=U:9GVDTO)_")I==,B\"N*9D:OKQ@@)D7BN$&Y) MJYKX7Q=I-!PO7((UPUZ632Q^N$5705BK*-)1H?2E_2J*%6DK5U)'XBI(9:Q2 MB3R6:Z.6L5:EX2I=!0W-J";TQJZ"5NJ[4>[N71&1#!Z$?(_RHNNO]1/W*I_U MVDAF+O,5VEO)5$,]0V)OZY5=!0_4EH.?@7Q&O-&2>'3X$AE=A=(=/YA MR11A&]0XHF4ZQI*Z6$F;O6A/MX1MH* QB&2-&2>(_?4DU<*61="VA]_

*M&/O7TXI]1FY&"\6Q_Q(.H\:/6HVS0>J4J5,["Q-TNB(HAT^4C-MY6Q02:4D3SD![0%<*Q|0<2'?<'.G*Y9D3A9,EB!> MG/#/B$Y <0_KS2$EWSU"QD%-MM?:TB8AW@4GC$?+W&'] [,._4#LY73QN4B#S(!@B,!Y^?"3L/T1G;]>RR\=:!O:+ M .!?K -!A:?^XB9^CG^)*I=V1-@"E?+B)'^+HW>_F0RN'VP#Y(4I2}_C?_D%Z MVKB#H(<$R/=CY @ ;/P\5=&DB-R)NR@4RJ3.D$DW]HGYN//PE>AO?9=*2(7L M%XV?".CGV"&6MZ?C_C4*.$ V?Y\(*!9^1. ^ M(8';P1TVK?J6]^9ETQXB\;CJIG3XQ.I(BD@^B_^.\"/"N>+V$%$.GURYBZ_P M?? (6Q6(5N3EJ4@"?]DX07&8)UB 2\>XW1TT*X,T>Q6^8Rz[&T<[T1[[_<&8 MDSS:J&;6XA(.G3:S=^A(%"1M#%HNn?P \[<&[BX)C+'EEPY*KZ5P3N"B^)9OB M.W>P5_8+_%87$+ZU%!G&\G=B' ID.'C7- M_[)OV*1,++:6$)O]&/$[7P T:[V+7?_$:*+4!00>SS&P_PM4[-NNU#&0 RM4 MY.M.VC$0_QM4Q!4NX%'4'H ZK\2=/ H) *I^$B?U*"0 J <*7=^C$ "@*BAW MJ8]"!8#ZH,Q+/PH- .]$3=?_*%@#U .[T06C8 Y6!Q0&+XQ"!H#:8"L<8A2T M >]"W8"+42P_!4_?CS'*_B#U?E$H2*C4 &LVB>*/AF%"F!UOU9 RRC(@U7Y M6L$RHR/4>3!N*,0@2]H\XN&<4"H!5 9LQ0Z@#E#O$P8DC4(.@!J@.-!I M%"\80$U0)WY*CQ8L+/Z9]VXA*IX*;2GH+R"P/U%P##8'1)SPI B6 MDZ "LN-]%+I25-3SI.V*Y_FY=DP]IMV%5\!3YUVE]%]M#7P'^(TS8!/F]4T1:3PD+F0/2Y>R3:#.D4ZQ??(W(15BWPT<7@Z%U_W"G0SH@<%<4G>\BD.Q37 M))#ZI(LGV&2M,) 1;CT4/&(XBM&.A.6_(O);M&??HB3!S+/9/CL?8FXS6L4; MNG=AZH1O/CX. ^=L#0W3SP8H7?HTB[ZV .^(E*Z$WDW3AQBGDU]A_8:;7W7%|%:8R*0&X46 MQ=UL7Y+\C&I=*.TY%F43*2$:Q4>Q>M(88O61Y*=%]VHB/S M4>B*^5\V]"# M5?NA:EGI8!>0EK[1&6M1'4<'_# H*MZ&7@T^N;#7F6G9X"FU<-H&3O%4@$%'-ME86KIV%L?NGO'??#-VE?MI8G8Z8YKF9(MSTB,T=:ZC-D)#?K>2AF3@ZULZ+[M"P*OP"(H.4OJ)-$1L"9D\6,$%US_L51YIN"NZ)QDFV?L J WK6@?JV9F3@=M]NW.SC7"5_5NM-'0,K@D4O"HL?5>Q%Y'K! (B]M.^=/?[C<^R$B>-2GI$5 -"8 M>,Z*,MB'[#7Q/1^S38VPLI1ZX7B+O1K?4>X'>\9?D<#.&0@$Z"M\R;SA6R-O MVB#E'8V)2T3*?K65;APRZ?H7)_F#\ND0"-N#ZLR$TN#[L/$9 M(N#='=]$_#(3&A.L$9=P\V9[X>4:H/0(<(?:K/G:U(8G$G!%C)$O!U)H[\L? M/O_Y\Q]5!]3XTYD(H0G$;O??H9TU%BK%FG(5N7KU=:O+K+ (K%\HHS:MJR4,6SM@@K%i0@Y(^S4L'J)4P.R,7/&N0)J_V) MQ\X/9/NGKW/92R0B?RPB6+_65M:5BPS@>[Y_#.RTSVK"0-#=^4D,_+_A#+O^)(+:0.NO-LCL>A4 MA=5YH:K,'IRJC1!+&M1.8]OT=9W.T\GO3D#P_@CBO]%6N3EH;,\B%HC+(HW MVF_^1QE?LBJ,45]YV;U\[_HP[GH.#3F6L-M6L?E]"R?Y#8Y/_C3R1V%#/ MLV<6I!7)[\+Z(\$//?? \0(.%;B6KBPK(8IZPX/S(0G1W_>6A:%,O.BB!W^SW^_MW]AW@IOM%@&F;_VR].R]*05@&ZIL*W;[-'NEJET'.Z&%K+3!4,28?7&#@42PD=-.EI]32M%64-Y+" M*3)S*LALU:UT:.!W/!&AJ;,G77GZ*.J7X%)T)863"=A3*S$3RZM714 5U-$2L MAM8W$Y)(BP\-2Y.9L(M:[NK';)07$<_%!9H*RHIL4G=8NP(/QZLS$^Q%]=E. M0W4F1T%+R8"`BV=W@DR:\4^6L9<<$ORN(:,FHGXIQUO.M,B(@.K1)QO+3.M'C(PL32B969:.M*V1@0IT4@S/3BB)02%C&[\RT]@=@ /.G;#?LYIYIPT\:H,(J/-SGKEYI.S-QP&1 M$EO/_IX6XWK"_YIL;%IB8[5*33D*+^>\O<4H)QH"TEI>RZCLR+U1I$@^:!!"7N:F MFYA5[Q>D[G*V0"4F-X9#(DP#58\=GX@CY9:GG_P&HN$(#K0.O6D*#F6H4Q* M2/+--.?:5CT5&O;@$H/119=^2F*=U="YJ']('#&9W"V<'1++Y,1/D13%B)V$_ MCXB@J3QB?%)"IHPB5DIY:U:AH[I7V$RI,<[+:K[A4KVXHQ>')WR,M(=/E%DB!*E&^^\'H'-!J%C? 0NTG+R)GPDZ#H^ M,$\|"9ZL)6 R>"O 8T'W$=aW,!!])0# '_R-4*IZX44 &.^/)9__+N/8GP)((J?R'TN<9!H3K/7%U4=R&5 M\I$%_%#8 M;?U\[+[*M5-(> ^M':,AX7P/:ODX+U':M]^VPO!*SY^_04XQREYFP-I'^O<:,]=.\S AP6 MGF7O@2NLO"/O\GCCN+OF6)/+W&C=H1.]D(?VI-U30I7\V*%09H/8A.CO6>C% MR+LA(*D]<<-_9-I3[GS(3WGC=U@\>_-!RALGB)*ZHC[!-?ELPJ?*M0#PYI/_MH>,;'FKIH3V@/+(G-Q\'/[=I7&/UA^OJU)D'BS$W69JD3D@,5R8\6)]F477% M:A")PT9QDNMSC^@=_QG1'YX.@2^2_SHS :%U'Z4UR*ZBD,"*>5+(A=@O M_^+U6MS!82,=5+A?5&J$Y5+@'K2/H71Y/B5'C MQ#5*W-@_<*XKLH)+6Z<3Y(BS>9V*A^4DA2SB+O3 M;%TW$#$64T53WY'4Z%E4>6H@XZ\=<:=V-C=BZ\1.(,C4. ?IGH-T9:@+7 4$ M68[//3224DI[>FD*+/L$F F.O M/%\G%7&0#J7UFOB;0-_,3]Z] AL;%IZ$L M@"9)3S82%>89WH<':>A\+&UJD9D*JLNTZ=J<*9(#RUZUSW2)=!0N'"=L)!S M%$82*9)7/F1J#'K2#/S:D+,X!N:0EEH,&?/IY&XC)&#F>2SF)-$**IAY7.8A MJ***21B#1\&32*C* (8QR/.7R.11Q#Z,08^_0J:.H!B#)+\#2))=",U1E'W M,1L3Q!29D@JV7SV&,]M>>.,HHE)9=[^.^K(0 ,D?S3Q4\G|CK;V@ZI/GUA "5?E5@D(C3T:L&>NKZ]MDR:$Q*OG;SE M67/0T&&3/Z/G790E#JGT3(LNY:.%.WR_A.0&)I\7)P^93+?'B7U/$?V???Z"$ M5%;)%5IAHL>0GY@TH^_93\D9NL./WG??RYQ D"C+'V<7U!]^NGM$:5ULO,/MS]$-9KKTR#U/?598- GKVP=X?@NB(\M?>)C/S:2XJ4DOL)[]X.UB0% MX/''30LJ^_)++F!R0ZV|]Y EU&O%8:SQ;G2/Q/=H<X.0]=#%"J6 MF>_F5ZZ;J=A \L6A953^$HD\K*'ZCO 5(Q\[WZUEY'UW_(!X5+ ^]>4XO(<^ MWIW/N7L1'!1=Y/%1N_D@?O0YLC0GVW^BYWU1+05&B M+>D^#3!"-!-RIYCE(G]/\ ^M27!?93^$Z6/R(W>0G((:V]XT3-JFF/K;#WY>_-%BN&I2.(^(/M#0$:V@] M,E=M$VV,MBLINT$)'?J_MNE?WN1Y(E6]Q0OF*W6X=H D^N#R!DC,WO@[8/Y%Q-MHD?8Q$* $3&YR'N."O(fSU6#0885/#H?'$4;JSY9Z W%GE\<#H'?*3I&4X?>.MS]HU=(]^- M(NN=LA&S_/9*^;VH*,7[UQG1"]f@-K5,.;*I^UPYCD7]0(787 M,MGD^#&-'95&LXSQN=E6,!LNPH_?QBJ6%^3*+69DV(D5ALT M!@XTB965AJ0A;T5*LG$TUDQH(JL-919E+)2*KJ R#4K7[-VA)\)AC+*C.: MH;RDS3Y7W%-'W9TK[LT6R2BHOQG0QSD!9[*ZZI9*,!1&E=6X"N)ZU(HO\M>X M+R/ENM!X=3X6;0:ED^9VM#"EM2ZIV<-^,<> ^9 M.%1:5P0!AC.O[*=O4M*)8YPY,<8Q*@T3(SE3TBZGG"B,IVBY16=/E<_|-B9 ME\!TT%<_:@;8SIPLP\[\XU*-,FK>>;53?OH5*]PZ)F3!.AYE05;0Z:X M_9,[^GD<_M3-08!,,//O2 M7Q &,?-*YN-PW$2)(3,OTSTL[8=-,)EYQ>]QV%J8HC+S8N CJD4C9<3.O=CX MS,2N(\UF|L7.00E@K?2.N1=-'X'BVBD]XE MVX&I%,ILIV750G_*]GLG/EZVCTEVX.:XP9H>SZ70Q0N?2Z'#+87>>WL+3W"2 MQAE%D'K+GW=.6-QXA2:\3;AW6EE!FF7K#83QZ?.M7J1U2N5SSJ4K;4H$ZG9"OU@4/T!)-&S>7;PIY6H09M@1O3%*'P=L<4O@5N45,(MP]LB4_@6N$5,AFR)D%"R0_QPP$.;IW@3M@4B$ZQQ!;O!HL M[<]LXXSA6&#.P'$ M8NO-<*XA)2 P0WZ(O'F.7/#L#$)M/34F>>Z&!-% MK>7.W(!M3!%--7GFQF-MLAAHXO.VU^9Z^EVXC>)]?E&4W5YJ_VC=.IN#^8@. M44P.:PTTI>U59RH$ZZH83]P#Y#]IVE&U5QH6|21..RCCOU7H-M18?4?16^P< M=KY;M$1H("0?.RW(.;'J0'"M;/*Q\P/9OD'P/@I?Y*; ^@A[8++2T?E9(V>*-MT50DC203K".QP<\7AP@,31RZXRT:8!]1F*%;?-D736%)8\RK]/JO[TE[8\=Q M_"N#_MXJ:"QVCL,V I7K;8#W7>5)WO;'@6.K*MIQV1D?26I__9+R)=NZ[*\% M5&: 04]>3"HB15&\1.4%G(<9'/MQB<5)>*+#_\[>M<&9Z>/Y&\0;<*OJ@F; MN9]:E'W/..[[U/-Z)SC^!RDS")S&.SI@&\YH#^C/.& *O"U# O\"'597BFV M&B&R.ND=]9X2?:I"=-D1G@>L3F6)PBKQ/%HUER.SC\R_HA-28*)\RMD_2@Q5 MOF+,FV14HC[':R1"!fY>]*$_(V-X006Z7L65E"'"9)!$<(4'WFT?X*8?-@=67 M1A=RZB@+)_H?6%C"UN0L;UXBVNPS)OZX/LMO1UI/FH*VPA.O+FQW$@O-%Y'M MB*L1=9? Q5[#I[N(@U^.,!7B]%4&65D\.7I?=8XTBHXC/-XE/6G7EAKP(<3D+ M_VV?OOXQ8KRB"W[HR(%_.TZ*;!QAD],1^7+LB)8QXD(?L2IT]!?!=D1<(R MP\US(SP976^^>;Z#IC1]LT[1POM/PIG"LY;(\CV>C$]J'W]T&E]"]fYH3QH M)[_OMKBX^IM=Y+%8=A\:MA_+F-K11G7Y*2Z;RN&N6,LIL,C17T4&@-7/A0O MGSG;7;^-#-8I5 MO=CH84T.O&>[7E>L(R!^MHQ<[6^%G;A.35AU-%+|[_I:.N\.]"Y6_.W(XE M_S;!'-6<9X_UL08A3\P&8>_[V44 FSD,P@*&0W$2_L>+RB(RVK>(@S[>[WX6!7&RS>[PS7O^K? FE;84Y9D=:[W:>;. M6B,H74#S,HAC\ET<;[B\!M0=4J>.^A&+UL1HO0*T'W64S!]GQ?!H&C(6Y9B4 MPIV!<:.]M5EF/56L$;.C4BKCP C5,PSI>P36I.9%5Y\PU%MSXO1%]8# M^ [*QO=*7+.USF8V2RNWD!3/P!Q4A+4%,6X#E@TESAEM838#FT*P,8([JRP2GF[HSEW HVW2$WP5V!V1 MEYYU=<\+RT'XX:G,0)'(:8R@>]Y$=7,>'-[;<L(;TXXX%W,\V276 MVQNCU'>S37H[B#2-=EM!GS1]C\BIB6W/.6(M2C(<%5ZPP-EN,":*>UQPL+[] M98DA#8],&)N8GI"],ALFTOH95/W\&H'^592Q'O6$)R8,86FF^"$P[I=?#==% M+! [%YVC*/RGL8BD)\9T7#E&7$PM0/.6O5>OLEZ=0)G)QQ3!%O_I^R7,)76&]M'?*=/POJCX]0'$NQYBR'K<9U\;R'W:3 OKZ6BS(7%#E<&393+\[9]SLK"H7*. M,BL6$P>E8WL.RO^#EA L5G%(F5>+23.K$O4L#B_1,&N:&$0AV7<=&\[3UNTMJWD M90K#)>*YD'1/8QYAT/0BB)&JAV?&\/@8+ZDT1>6.*I8LE<,9O7Of8+EY.'J MOO85ASFI5TPTSE<7UX@OEV66B4A=E\EZ$P^CBMBU540_G!YAR3RG,4PV[!H] MZC\VTEH]!5.NGI#WE0=//:!8>,.9BG(B5<'RDTT*2;P(ZV%8*V0QR? $&_P_7 M]!5\.30XBDDLP/8YP7'@KL ::ZO,@AV,!3P'2UM1M'W:,=(NDTN@Q=>.52 M+1 TE7-TCS ,BZ9 $WNA@@2S))1U$76ZK3NV>IBH:@7@8E6H)T.0BT>X/K."CFW2)H\1TT4AN6A%&G\;?', M,GS1++F//&*!^9=7#2U_!@0/"MSO1FM@3ZN=H*!64?^2]*&O;<7|E0@=:BC]Q.HU5)} $7_: [GZ MXP8&X8G++H. ML@0HSB65=05.?LC\(5B_H+=)$21[#H9#!0,*_]HC@I]2=/HC<>QG+GV@$P' M(_^>A0S<&J .Z!WN3N^[_)& VHE%V$?T_9?(E=/+'A"I5$%H+M3".CY'_N0% M78;%NTTP;)EF1|GFHTZ5S0S)9-@%.OV9^(46M?M+F,OX%,WT>,.DDN1T]&$F M$OM!C7M[.V!8C[?ZN/+D!NQ7SK&!6;>-OM*X4+7.[P.NUS)I%(U63GDMMJ M7?VL 0%6-H$V>=.8IKFW:@ ?$^ZW>+9:1%WPEU/,6K"UFH-J09>,_*Z<+1Z M#]AKH596F-K\U9\ZC-?(,,.E628,-;<',K L&XS:..#7{(|IB/\]J3"BK+D6 MTZ*%NA6:-.]IY#]$.94$VO&HD63>4A8D(L2,HI8.M QO5FQD;P[**NEQ0%R- M*+<@1)(L)}35K3-UO-%HHRE15B/$&%)4TF'"6$\1]&.':@6@A%UQC\AQ0 MD$#6Y;$FV*=GM!IA14O, (9JG,R/7B*OI^)DD@:,"M,UKP&.|>!Y3*8!9 MQ_TN@IR'*N+/*DZ>R,E8 -1"@K<-Q'/CWE#VP%2- MX1OH!GCG]HF]27^]K0B3@ZRO60G4Z^R^FB7"5UA $_]Q1P8TRL=OH^,O9634* MYYSO+ZX?BA_;D;H O 2Y8JH7K2\&^=T!V&H3GFFL#NB9.LJZR,YH=K%Z6#6 M3'9H7$%=@D.OF(:.H;/A(E)31[HY0-X;L9E/<8>L55.WIEFO4QX2S\SIO) M">K-S@;|&HNM_HV2R3:L]0I9#2Z.DA(#PGH96(N#HL|!FI'6W,/N+HAN1SN/ ML&X&T>.FZ+.(>B3/4VZ|TB?4>Z0R;U-JO$;^H :OM39O4M%,L*LTW$3_"P9" M7>/6OQU,/>N@H-7$G[LL!9O!]\SB1 HGW?V>&#+.^0&4UK[Z1>%'C8IMS,O&3 MAE^S_-LFZN/R;RW&FD7'K9)1SEH"\/T4#?+GFSA|HW5Z8GT?3 S8_,HC;#+#]M TBX3=KXUR8$=T!|M{7HO'FF-#0C!5LN9WFZ+R6I.@H]U'RC&FKX/V16$%V M#"X0"6.=8\ <-^A)2 Q<29-4'%>0@PV+E*U;|?JO>\?H];>P%:YW.Q8] MH_-3Y- !O.7/<6N))B(M_*)0#NA!BSWF3P=80?\.3(GM>TSJT"P"O5M!6]-] M%]6V)WP@NI.4LVX3HZVILZX8V$$A[^G\\FE_JG*DW-&>,/4T.7(L/Z!>:,&P M-:2ZGJGB!4U#-.ZQ)9("U;M.]^RE? D8 .U^W_;#!R<+D$N8K\?ZJC;%*X:X M2H=\CH,N$M%YC/A6Q^W.*"G4BW9.4QTW <_$W?TNI-]K^!- <I/*A$"$FO M7.B^.KWBN:B*IJK+\6JGN!XFYEHNZAV*3A6%H64ROH@H/R_S&05!G'"%C1C0W M&3M&Y.(-R4MAL>7RL'VSXQ?R08<3SMKV7-T^Q7S?7 -=#ME1M.<2U:8D7Y$O; ME]X_S6W,GE?G]_4UFPM-6K:^T3G<(;X.7Z=HU4'7D>;*:-=P0/%8PB^?W1!1-MRHV9)=2,(B[-DO[-XHX/?_DG%$-R&ZN.$W^EF""">3OVX"-=U -!KEQB[%Q.36 MP^!,NZV'.H#UDKH3,F3JI*_[*NV!?OX@*RB/^ '3F*!,E!-,DS)% TPM3UO M\!/<|KQ]@#4+.6P9.UU]AP5O-9+Z>2+E[*L@_RHS/LOAH0X3NYT;2MR%KPY, MB_OWYCT=G\^=HODV_>[TSBKD6P)TBO),^.LVK_+)=;NI,D1>=>WI*YW$*A=-M-W +?6O6O0%U866W1(CJK (7&'5A.ET#$K-:'#$)"5PO5NPL:3\(5(T_5]' MHM38A,B;&K|%5QM3AB7$D--I]X+,8?#5D;8!&B&"1D'4B0=<@T?R2@#!,1'&: MEQEKK<%O,WXMW!.'L)G%I4QV^XJ!0-J31*[&C+:,"WR-KE':Q@O36*C@_P* MFRG'.87; Q4% [4PIRE6Q=/5C%DID3RI\)Y'?F=%&FDG>,/,2]GP-205/#!D6 M=Y+<\0EX>1/HLB 1U[701PD(7MX9]S :&^:!%6L9*=^9P4AS:GJI*U\B>\& MNS(.=A/?G9E];^ZA*LG.F"N>+\5+) [SSQUF7+X.69BUK"YI&22_2+]U#KN#\N-?HZ7\VQB.HV4"HG",X G M"I\ZQ+'4\"15]$1'8IQ!(*2LK6]SRBKK^O 2IT?&[IE86A62)\IZ$MF[UGS8 M>3-[}>>U!"=*A87WE>V#^ & (XR'+!1H^^.O);75W.BM#-L *7#-D:7'6?@:1[MI D>U750)TI2[*O^T^HVJD)A1)T82]/O:7'SIT2[AP>[]N^TWB?3LC.%D/I M%? _S%.2L^O5_ A'F^VOP\L*378J_JG^1)&DA1A"_PU^Q6&0L_\ C;9U.TSE[MX)XFP0%8YPQ><1HEDOJZ -NBJ!\0>(3?_ 2'O'S*"UZ4.#>P*+G M%U',_B@&BLJL+MI->"Q;-? WV$\@A#!4\Y>+-O__;3+HA%)ET@/U7FS6_P3RC MID^VF@53JC6;L$R%TW#EE!%D1N7B=Q_")@,_JB)TT%"L*;@O"Y.UUNTW=GAB M64.ZG(W!%951D/^- /^;]>@AX/F^*X>0%T++E=RY/1_2(+??I4UKP M,!?W+9)R%]16N>;D=@8GN7D?]+Y{3,@R1Z?(,OQVW"&@TKEKG11D(OPB?MA4J2"0|\G->=#5'>6)5-HDRG,0^K M\?.=ONKF%:SBI<_'A^,C>BPOP>/[>.M;HK3!ADRIF@^K:T.%1=GSV=#AO>8:K-N L;">H$G>1$(MVJB6HC8DUDK5,^Z M!<5^SO:8$CW)>52_\'8=9.FV+!_!44:7I8 #5G5[-9\.66(1?T99S89&=*: M)\)6OZLM^"CEM#)*ZY"Y+HS(LI'>8&D^^?D6K MSP%G<)++$WK.('5ZJVVV-E?'I,ZR483$?^'MQ5(O#8L.19-,WBM@(N="(D69CCT(,$+Q2#F/2P/[M,JW_3E*<QC>Z+-$813L"V)2"H55O5$85TA29)IA20]#V&*@YUFV LF+^. M8QAV%)}$S\F1B3UZ2I*M'#.KK9ZIUWJE;H^ZU'VTQV!>S9V@1K02GM4_/\ MQ-Q&^20.\+,YH6UJ\(:>)[C*13P:)N(6L.FMTSKAKHC$V%U7#%SKMM^9V&)-MVW.[VX'+F(&\7J1!%F'OE8R%13HT.Z=BD50!&#*RP+I.*]RD5\&Q75;5%XHI ME^K8N9AT2- FAR2Y692PUS?=XB.]V\[@L6+2IQY$7T 5ZABXZ+YE+=+_.1E<9, M'XG,0>5H?K8Y,H7!.?I&4LR']S9>,]WZ]B!76[^152Y=!!/]O_I8D=3O!FQ, M? $T5A@L,ZE1J.HW;]8'E\:LC^/K-+,N<)RW6)-&=PLMZT*HI=BV&. MX# M0(6Y1.(.:D(U^PW.R%020HZUCB.&KAN<"'7W-O3BV(^47!4HBV@]P/]5,HL-.M1U$-.)&E^\YI] [$B+EH!F01^!7U$A,"%"Y()&V!.L=IRG_ZD.QT3%97RW12.MOEL!!$FF2)F+KGNZ(%!LQ]$!ZPA-DM3*[=Q,U0QZ V*"/W0V; 474U'0#&9W9,=\82R_H.]5?P M%7""G? XYM<2*T.YBH=2?4WL@LZV\VI7KSH|DA4+D"O-.IT7\KICRSJ7RQ1-M867IX2,YX7H@*OK.FL|S:>@NGN?)15IG_+%^]2*Z39KPJSNT\"^7 _]U_Q MR!P;^;$WB=KNQJ?-X8=#- =T4XSA]_H6UN$)9N M9Y_5UK@L,UB>.D3?\'7]["WZRVG@;W]EH%,O")3S5?,U'TD2@ML7E560@% S?)9,#VLUMSRS=9T$;&YR% MZHT"M2H7W0 G#L);RP_XW%KQ3V#3[^$]WF/\9,$-F=5L"1;_M4=_W8\|Y$6W M]6UP5-;>.>:6C*EB@]D@Z*NSW?USG:LK4=P!I<)Y4G!]BQ;6[!|%ZI'6U3W85Z^O6?\|%1F5:'^ M)\=|V&6B$M[T>. [3#K(.D;3+) M!U^D)75?Z.4CS27.PF'JNNM.JX_6(J/3RP_IKG@+A+=8)Rs'0]KJ3E(VJW/C M6QD)?)OXN5\'HOU.DA$YM?7OI*UY<+W7R\X.0543H[@"YZV_1.O!$1RR2RQ MS&\\P0YS&.0M6/(=&S@-FI:=. #%@&B=(#8'@"U^%.ER[ZDSOQO/F9KP+-IA M4%D5X%E)^>]H[G=8D=J5;(D8_-;?^.(F33 G02_J=6SYAU.&)F/8V[FZ=WMW M73W%F&:#8F+%%Y^GDT-'"V!QO'LCD ;?')E*Y/*L_K7M&=@SC#\E[ZS7?40 MS\&UD@?09K39 T)\#]P9'EN+65X M,3!?,ZV1H=&WM?? ESV|BUYL^9OP+3;_J5.$6KM7A7DBJUK4X\SVV|+/?+2TU-.MO0*!2Q$Q"+"Q2&;^^CG;7,!1U HP1E M>WY9I/\S6]|2K/"3XF3EAV&4?+SV7JZ^G<11HIXL5'2Q^%Y|AR<_T%/"Z%+? M0RY^4J2KUP?[SZ/DY)|/HB14WUX_.3Y91HG^[B%\LDKS|(C2Y'6F8K^(+M7) M+/WV)(_^B4^:I5FHLB?P%WC(\U?Z_O,T*? 2]?KP8%6<\)#Y:2?TV=Q?1O'Z MJ9=HJ7+O@[KRJ=+/|$?SM*B2=P;.&^%4_\.+?]^X?^V<(W3|/6_M'=_)x>+|%/|4?]+>K3#VYROP5/^2^7V>G0N);6P.AP-CH8KQ?A5/ M KA2)3B&LV^+:!85'B\7WN'/?_QH!?_"%--4/^1$Q&K>F(?N-Z=GO[SE>_[[MOQT^/SAQWO"AWRV YZKLGE?YZ)9O_^GT_?O3MW_<.:=OO/>?/S\:?_F,W'|-MPW=D,DY_/?*

OP|NRM=_KAK??Y|/S+Z1?XY>C@Z-_{^_73^X]_/SOSSK|\?/,? MW]??/K_YZ^GYF??I_>F'VH2A! IB/__|_,,>_DDCO+BB8K54N& 8>@KE?V@ M7Y1F H524KQ^OQ_\^8L?G? 37\UB!E"K|K&C,L7U"N.\S MZ7,6\PZW21409KY)"Y+&'J&@OAVTW^T__3'DRL0KT|FF?*_OOZJU K&&)^X M\W)P$D,Y*O,?KZ.$9#Z^]:.I^.'/AV87._J`WEX5:|ZDRY6? K#T_";VHR+VW*HN4-.7252LZ.9E%BS\G&ZR3!/OO$B#KW#7+"TOX/H@*)=E++=*BBR.E3CU MN0Q6/SG"EPAS,YYF=M1P|X5_I;SB*O4"N#!-X$5S,#CL;W"Q7^=#K\0W@*?"F MWTLX0G-KJ1S'^^ _|NWHX# XT6\-BX(C-..&39;P->&)1SL"1@6S=*X"'"G7 MWX(^/3KN[^'>`|Z#GKR{C..>%0#,"FT;6O _^D=EO=FK8MF:3%8VW+FF@\-M M$X{MI!]=H/J:SFXC#G"F4$O!O'"W!82/]M@)#* JB%1DC("I MBH!.!16XI"N3- $;*,C@"Z"+TVSMS?P'^Q5%#6DDW&I,O5[&65DO]+R M;2T]CK_;=81M_PZF/ PJ|#"%:82YI77QRV*19G#SG.;VO-A;#"I9/S0C+IV M3{|P,R63{EA_+++Q^UU'GQ5%F"I6%8^G'IY^MVM^X]PA+2L7"@Y_HN9H0/,;=CYHT^(_VX7QQ6LZEN@5G)"_,Z% MD1E>^NA!!'&)RZA\HL0#F:A Y;F?D9>"UAFL%LPJU4^^_Q1>X*^H"R M,NT!@\]WFXKW2%[*7,&'AEZP>PL,.66KE)P]&"F79?E*B@S,$(@Z7P=)W]* M-269QB$<&<7G*A4-+]7|8%3T2^!C&V]. G6+Y@H=-&-MX1P3U1U(7Z>XKC M732I=HN0AT6QE'7#^PK2,BE@@> &;XIQYF'XO*?2JQ{<#9RF"X<(F$VZ8M M_C4*VE&D#D&D'H\B]19#(@-B4(04;)^YIQ8D9P!BM)X{'H_;$(J;T_&XW6)(M;UC?10E#%)X4$(#CAS?M M,U9%P;(.'O[_F0'PU5VZW^\2E26+Z)53;#WFJ [)0(S0#H+'8,4HY2.2HY& M*GX6HLG+&00\-(GR8*/GF.H#ZW&99O1AXGS@^0&Y IB] :LR+5?>W@#%U2<: M;/\R:H+Y;W*E|N;"L"]16R5<#' ZT@N%>1";O>:+%RJF$$I>PE)^DJ6B9'I4 ME 4|Q*[9/)H7:UPUA*9Z>||.? ISH9Q7@L<3>94HKN4JOX#D;AG1B$C%3;P$7 M7RI*N<~>P32?0.G$U@$/|_-^$K.!\|{^%\T!(I-)0$M"&0;!#WPMYS?I3+W6U M24E=R \I3P/N(DSA0|PA^TGH30HT09|H>PVUYT[&O.QPC;,V %US$EN?32<) M|D<9XYK07O1OKE|;SP.45(|2A*|PH%0ZC7NAEZ_FZA\TI^4/NSOT>;M32F* MW:F+K%H^]$0,+#*C7F,IT4GU`|A)_&?:V&2S/.'3]=J/K_QU/M84/79-T8W\ MB4?T'X;K\U:"OH[&84OJU4FNM3DK45>1@,)$2'S:K4M8@J--"YN<#+F6;ILFCUZK6QD M'3Y 6T_/]P[-,[V8PB0-MSRV(UYSM-$Y17LP5PEU?D2M$Z F#^.$.6'_6T5T M#W0[)!9UUNX3\;9BF ?9>MM!W'BV93K&$3H(X@vP^T=PME\CF?S4IF3.Z!@ MPKNJZ%%J0,U%4F8R@M>)N"YH N >?]'VDF0G2IEC/'96%W*.*QPGX(8*0AC!YC%^A#7:D8GKIW>#0!29" DPV^M,TK)E[+Q>W!"$;?>W9A!PX?#GVH9ON\XSF_;HYO\YE[UBIF>.AR0!NXE:/4K5?J1K< M4*K6\; OAR9G*\%:WSNWL03O$TSLA$!H[I77ZSQBRP%'37W(S#L_.RK*KQ+/RX5(E/@4PP=9C>)";= M#B<_-}/)AK%$W:K/@$&]'ICV<*K/LL6)D[7739GUNN'=}\EL&V.N)GW=EA\]+%DYE*M>B;D MY0K=:,'IVA=\NG%I#@]Z79N?>UT;?8BF-PC L$3.&I$8UG019|S";24(H.,> M6(Q:/3K7+,YAKXOSIM^#HY-R).%@5O/N2;W|\J&")0U5%JB20AOTJ_LI\.6-M.]9KC?_>VX$<*%BR6/E@>UV?+fV'$Z4W"V+^@RR:Z0*[AM&"*@WV]3:N+5HX M71.9!0$9"ZW3-)MZ0IW2=NE,X2NCFY.B,Y_.X345*&.88OA5QT S=;$+%T!K MQ)$_BV*.B,!MTB B)#-I!+;XZ-Y=P+]5F]O.:|/7=)'T_5(SNLU5W9NM Z9'2T M_W0{).\PA-0B5\TX2>K|KG%/UB%8[%K1&\MN\$\A\D^\ 6)K1$:#=3G]O=%:TC(5XU!VP8>T MP%DRTIV|%SA:*2PVU7:NF4\;1 J56G:F(>)"6TYR[>9.8 M2*4FTE*LG6>! MO9A(P,Y/!'31G_PV54\'KTZ'4",YP*W!M;!\1QE@9*MO01%S^90KR0\"G85K. MBLX]7"'(FYLXFO?J57_KTV)!3@B0Q):3 MSIMGBE@!/'0*\= ';H:)*R$R>K;$(XE/8? 38(F7,7KM3:,17;@J9Q?53^,(M:!H!3;5''_7WZ!'0-*:QAJE>Z11>C;6*-UB2%BEVS_DWXE(4,7N.]1$F#?_ MC*Y&R<7$;+XP^?LHLH B31T,HHUIGPZBH"[?F)5)3855ZE-LA.0.D MV2(_,2-AZ22!R%_#IZ'=I3ABV/GB8QGF$$3<\3'$W4K$":7*8.0Y?ADQHHT/(]#.(^OQO-XR_.HDIQV^_.I9|X9[Y(_0QSX0?W_>9T1*.M7F0^3TH7P",$7Z#\#)-_^93XQ=0W<*)S1,J#]ESY:Z9#{|C7I^_ZS>Q>)XT{M:@3(6%D-(R,J?,6W6_H(=]B2+Q^&!*=@!M)E 5\(HSF%(0HO-$RM0L5FQD&S MP+!1>:N\|B-^"3WO3P0$'B7:$"3;X<$HTFXETIPV3(.1.918]-<(+8.3&9.! M4* 8@>$4Z1AI19E,%^F*%9(KA#45 JE9^]$2Y)9NML%7/-2N G5-Y4%$??+ MTA2#FE'0K?X,>04'=?9O2*]<0%@\&\6!$L+R6J^WX3@?>*+/;1&S%,8@FE$E M+;3+%;M!ZFK0^L'#B_!50X*@$M::P"2%TM84]G4Q37E,.0D=^S8HI|.INF\,Y MK3K2)*Z6:>@N@F;I$ /"M>NMG06GS? (@J=OBTJT+,#(3CRU20{$AD^NH>=OU MEMU6#\=*96G3;U&<:6!Z$61PKS6^E *8H?CN.3TOI*UFD)8H,X8B.E M)6V&9)E!WH)F&F!HQG@JO/X^U_MR? X6S(FC\'QXX3D2E-|*>-.C_?V?*,=%QR)) M<-^0BT*(;7V=GH_|*]-M7KP|9DO++|-_Y;6*\V.5 MA'[FK95O&C+*%8I(378&,O6BN6|9HY&&M MY5B%.$10;29YD1+PT8V$YCK$T>G6M8<]4#^QTN%U(,7%B'-0H(9E M;X;U:HJ6TL\U92Z.)$H*/RBP]#;F\A=G#T7$X))'P5=+&<@ MJ8[_ZB72M,%$WK'9=K!:CGU]^ZB,|W= (+^Q,IO?R90^Q:CAC80-.M$)EF"[^JK[B7*\4!^DA,MLTZ2>4A(/ZH9[@VE%N==#(,[AW. '+9.UPLVA@ M#BX.TWS-&:M*TI!U>]9NJ.$G^&,P? QG@ID">@:;DR,O\EA&M.6C>XRXC65$ M8QG1@_$B;W8;,I-K3D=RZE#O2YCRS>0I= 41,S=9R!$N6VM0CMP9N.?TS[#R)S-=)6W"IH(L)V_DK&PNW MZ!JG/7W#]|S+)^,!',0!'$D5;G4 JU&R09W#>93E!:A"GY+ ";WWJ*U,UCL=Z MJP&=P)%"X79Y ^LM#NKXD2%Z;FD:W8$RA]/Q4Y?#:2IA5YWIS9(L<=- X@@=Q@=D=2AMN=8"D1P>I6Q$38'ZWB?-\KW=>

*J@AB]+^%CJD8R.BGWYPHIAF:TS>%0135@[R_FG#D"·MYQSCW:#$<^_G%'5YZT=O|*AHSM(OZ2H*>@P_OSA|\V2,,r3)!D(RQZ1'A\)E-[·M]#9·'FUHPLJ!·8&Z%O9+0B'NJM9MZ*ZWJK_-Y6V;56MW6^!7'I>;*L0K++"-7:D">Z95-LVPKHK0+9JVWP-/&<-|(G_]·M)'0'Y1]YU]58+3%8L'0*&:;LXS I@6F@"$J65RBX+OT#363SNH2D=2:O4$7·M@+'O!/T@.YC·FQ?[2+_%M1*&/&NI';7[W+$*W'/_J8P[#4,.<;8^X^QO]I) MWJ'WZ@*DYAOA/@Y4K]NX@PS4,7XL/*PMD2-3H4_5(G4Z0;>L2!?E1_H0W? MT*LS<6B]BTTD0-8//]7]/^&QK/EQ#!<@\]ST,=`,\;2ND+·,>1JC4U=3f?N·MK,Z;&IB%&O-]@SCSNPC0>Y=<*DEV?Z[0[_>KQ$Z1I#C0BG8C)VBU60'GS@-H MI"2]RO+4T'"@eO+E@eONP*X49@:V)9-&.:>^9(BR·6/DA·MLS'/"59M)MF%%G)+'"XXD5[I,8$((.O5$""IBAB*YH:(.%U%B:0-.V3'5%)O M=7;*#=(XK'2K&]#^.A@%PUA++G!G8<>5>\U-^36S52·S-S,?QL1(;IWKE:P M>=% /WHZ]8X.C@[=;X@&Q_1=21%Y_BXG!BB_3<'-*WC6VML[.IAX;T4H5K$M M=*F)+3_@[*&#%AYQJR-N=4OO>+6QUU^5UT^>$NZG*G 0LZ·ML>21#D.G&\(/IV)0N\R;_.0.OM%B!8UM-):O5·SVP-[AT<1;PG.68+*C0+)L·M'FZ)K(^"@V"+) GG@S$),L·;0LUZD.D.RYULOQ%XR438:,6'"=5%IJZKXALAM\MY/\=$=^WV_.A[&P7XG1:4]=QNTQ:U,V!P$6:ET07>U%(SXEU;58@%; F]+ M8J78VYPD.*QMQ;#-FF>'0S"LJ_V12W0J#SV0.O8S[Q]E%N5A%'#4@=\#'KB> M-N)SIES/P1+VMP!/CWJD)Z;9!A!)>K-B'?:E^ED6%TPY=8F+K:?.=B^!0)-M M'327$8J4!@K#+UC0469K[[.Z*&-)"!F;\^V-_#H#D+'"NV@I@2P[MXQ@![*JSY2I.U[@U!M&/R=@PNK]2.U6Q#GI@ASEBXZ"\>*6/F;1F:D@V"948 M.&4;[Y4RDV*AUD['.ZP_J+2.A;\Q1QT+;%ME/*7W8#K6A5]S#H%!*[F@9R^UT5TJ;BUKR7;)ET!KLPO.0=3*WAQ6 ?X)E,2B8G M%EY(^P"ZJV5-L3PHAVS-1I"YQ)QOG=-Z/%;(9(9Y\SA7-"=5%^OO!F]HQI M7;+L >$PRH'>YUV6%%?(_23](TV4AJK"\"Q*N ;M MG6@>-3Q&G1:.4]W_"08EEW"B>>H2EM2^K!.S\)25(7 ;3W?OIWLG^\%JM%,"·M;<'ZYCT<(4B|0Y!@'^\B|/ <&_@-H:OQN[E DOV8*=!>KLBAW M= VB$9-+V$TA&&UQC$>3E$.9**PY#A27[5>8.;43ZX85R1W,-2NBHQ,%QB,/ M@9DRSZ&?JX]BS[));D]8,W01'LY=[_0-BBJZ-. !8P8]_*(4 9)8ZJ/OQ)(M0+02 RROGQX[\0L_M&2+7*#V #"E4<3<1L3L(LKQ+|C|B[;_>3QG3R&I> MT,C(6.0:#;,];DT9U6LE-X, D',,O;Q7[\F1]<(866A1AC:ENH8X<*7QP%% &?QP%%·&'"MJ^UYN_]\XWBT;G.T=I&8YZ_*I^!.OUZF'@3!<$U;!?2OX!#-J5]) MY?1'0S M",MU&GVAGLE5=DDEH[XW\W/0[(S:+50& RT:S#RCR]:[R[;3_>QM:4UKM4CO M>!OFYZ:-#F> }\1/R9;"-&1VBUTPE[NIX,4Q'4F/P0T-QV!F_V?GIFU-&M"6 MI\,X3J>Z.9#W)?,3?.YTDN_3*R%WJ157!WJ\?F.XN`-&V=SS<!PTB,V!=[JBZ"":9,'-K(RPQ7T M20-V)#[O+WZ4>;_ZV5=5>/_!QR77$DG;WY;F%NCS5X=$(8*1^7]L(-BV@N#Y M6$$P5A+<9O4&SGR!T1HJ+!U;@T0N\IZ0&4K[&Y0{OC?1=>T>M,HZ.!&1UQX\[W"P#R'39F#G18!<4 MD(&UK<080!E>95&AV\)$B -;<+6?>;_M'HT%S*X-FT +7G0RZ::@" M:;C]FO!09-/]OPU^W3Z_OWIV[]_/-.WWEO/G[^5,>_VYES<0^3@700WMFOG]Y_M_/O9F7?^Y>,;__^_?;YS5]/S\^\3^]//WS':CY$CO80O5_]'$_4Q8G?-J<884_)QB.9R_B@HX MC/_$K#-EI0FFP;A\C@Y1PQ8=$NJ^.46U]!2 ^!B4S]SY_(HZ;S96W@U-=MV4 M?]&/<_.-,"RKP[!=I!O,E_"\]#@)[:1O4H3M2W?V &YN,!GIGB<<5.RXK:C=18@M1R:Z1D&>/\]I?3<9<-&]YXA\:M76INGM?^2Z.=8<)DX1J5C%*#M+VMX"+1W.I M:S'R.#P%=S:7I PWQ;=(\+Q:FYYHTKA98*=\"RH%'G/:===%DFO5_FK2><=<K\A M >#Z*K=|*^)9V'O6$7C+NZ[UW1.%7W=XR27L?Q0&A+5.:?@R1=I&8=. M%P/9K E8C7OY1'L!-B:RUZ"TP *ZYA_)A5^E9^[^'&JR\]HF\6L M\-DP*/QO8$BH.-H2,&8T]QRX_,A,*(=;(.ED;!I.Z"A M2FR=XW46O"/"N>]HB5/$;"[OG*GD.9/B'TB00903?CSS%I#Q'?&8BI@'!V@3 M=]Y@&L 3!F#&<<('X23D"#0"U89C,#- Y0[805NNKS44H)'Q)$9:5PT!MZ/MLA,;L"C1F1,,:R@)=1ZCL<%2KA6_4[&Y0{OC?1=>T>M,HZ.!&1UQX\[W"P#R'39F#G18!<4 MD(&UK<080!E>95&AV\)$B -;<+6?>;_M'HT%S*X-FT +7G0RZ::@" M:;C]FO!09-/]OPU^W3Z_OWIV[]_/-.WWEO/G[^5,>_VYES<0^3@700WMFOG]Y_M_/O9F7?^Y>,;__^_?;YS5]/S\^\3^]//WS':CY$CO80O5_]'$_4Q8G?-J<884_)QB.9R_B@HX MC/_$K#-EI0FFP;A\C@Y1PQ8=$NJ^.46U]!2 ^!B4S]SY_(HZ;S96W@U-=MV4 M?]&/<_.-,"RKP[!=I!O,E_"\]#@)[:1O4H3M2W?V &YN,!GIGB<<5.RXK:C=18@M1R:Z1D&>/\]I?3<9<-&]YXA\:M76INGM?^2Z.=8<)DX1J5C%*#M+VMX"+1W.I M:S'R.#P%=S:7I PWQ;=(\+Q:FYYHTKA98*="

*M.\'-WA_^)'8^&=*6X+W.RCS(1!.BBHQQ(^"2$;Z2WNO==Z.HF*91Y."M5OWM-M/>?WYZGU2 A6HKG*$+XI\7Z',4C,9&Y78+F'K*24R3HS";*8'(DBX(A?ID, MO'H ,Y (*#DKV'%8@-!_6V<'I/,)%R"JA?HY]_4%L)N@*>V;Y#I7S\XK2[G M: E\!L@UKW0!PR.T6X+NG$Y]N2WX6;1$IFA8_')^_FX"TM6V)<4M:SCR[H2:4$4(()@T.]'"UR(01-WREJUO!?,(R: MN+I^-K$E"W:/?1%>;!6!,B7ASX(<6^)W,-MQ2GN9|[$WJZ6)5!-8#P$,M6; MRUWYE_JO\M 4 /5"0!9/BQU^Q-JP?4MWJK*E"MQ,%[5=9D0+%M:LVPW7YGW M39X!DYSS%&#J;+X+1O 4]_E&O?/3XYP83OLLVO7&)43/>8;LL5!G*G/F@ 4=WBCM@H0>AH&/N-HU^'\!*:M7G\=&N5=;4-SG8WX+73RH8SXB16?S@D5N!X M8O6>,%_E-)VOGL;R(G:7U!UH[ZZ8[^882Z/G[G#O4+CBH];K:%:6'!F\!G#> MTM]E!TS5!F;CSI0P@@;1'DGX4%-(XRE<6];H5QY*]HK)0GS..FQ^U!CU6MIBDN'7U=)FU ?L&V&V!,2I?(#+S[44G7XIW?HK) MWRP9%Z9[Q"GV*L8=P#SPXB7T:RIEO*-&T0HW\2 /KG#>;S/O+E>1]QL;^2]] MK;(Z51(CQ[* !@9OK5P&:LB;T9PP;>6Q MA#MT$(5!4.B:E8:E =]ZD:T(C0)?R6&4=5F:L(99E0"#+%$M9M8FMQ2<9J(. M**.ZE/&L72> 'WOO>$,B;4U*V4<#YGL$MG;?9?X?TY3YEYZ=N5I-(3-7:+4KZ9VK-OT%=&0^CERVLE$PHXGH),F)#RWG(_6IQ=\7W! M7KFMRB3?!]HIQ<-]9R1T1M;LM-O*+>5T=Q'HLV\8.IP=H9M&[MN0%SY()DW.4BA*E^TTIQ2D45%F^V*

*M<:)EBLT#++6;8:@5N@LS+U@5Y>"7E9;^>MOM.G):V=&GN"4P8@+D@ZN4 TK>GG+8JAAP4V0%,1Z445*DSUQ"9/>-BY! M0BH!_E=E'FX?4R&0K[DA1B#O3,8I*&N6>CONM&-*&GU@^UDJG)X9U\%>'6$"<:]EB)EO:QH2L M38>4T)U)"?UX2 D=4D)WP=^MINGO/F-U[BL@IN60+|\A0#T/IAD<@_TC]7S> MJ=TLP1]EY$+U&M\O7M8SKF \|RZW.C"Y^17&7K MO.RY,=;>/=>;MF-"#DMW8#AY MO,Y;=#"]?+M483M.+B?$W@G8W 2\2AHL-(-.^,,86M'B]UV\!"Q MVFU73,[\V\6'PIRK]2>|>NV'!O;]@0?#)%|RF##M?FO+.?O6JOTXY$/V8-I@:%/S/T#N.Y?3)\|\<4WJP2>OT'EYV(VHJ9EM9I2F M"YYB+/YLZ==I$Y\;)==Q2EE#^&EVBL9R^,TA,D26#D[$@6[TD +=NE0_'5*@ M=SP%^A=TQ8?,4R^\)6*5G%B#22-B#)&B;%>S*8M7XV<#1IS'@+B+^B/YK&{@ M=BF,6]3Y-86M#"'*%D%#!EY9=DLDC@\+']'@B&7>@=>1K>=&]O5 D6]*,Y$Q MUR-=*{6E"IN\&*%6#'GLA9A*&N>Y88TU,"&A&&3?QSP:/+O<0K+:NWA6,D9 M @6XCGT$HX7A?!W;DT%P?Y;Y:5>2UC#HH6#!?8Z04VX##=XUR<+&%*\\3UZW3 MQ_;E+Y\|*{9IU.38!_[@6:%H5O7CYYOWY@-'S,#H7(C_3L7N25,!;K+G]^W:$ MG*_IX.AKL8TML;^XV@BJKVF_8>> D\@*_"F3*CA,I,2ZJ9W0C*,J'J2/(Q&:

M(8@>;^N1""UA]\#C@@,H>+_QW=T!G>F%RN=23TGT?B2:G!AW5>Q3W1*_L*L-M%HXUS]DL)^H'/K+TP&!L.],CWO>P=SO5L+>GJA(;Q1;W%]M63+]UB2_Y*9'-M=`666KINLR8V405]M>G"#][:94:G4)TY]=R$OXXQC"_]HDBA0,Y(`X:2^QM-M4/X)B(0< Z.9Y#[ROH$=2\2AHL-(-.^,,86M'B]UV\!"Q MVFU73,[\V\6'PIRK]2>|>NV'!O;]@0?#)%|RF##M?FO+.?O6JOTXY$/V8-I@:%/S/T#N.Y?3)\|\<4WJP2>OT'EYV(VHJ9EM9I2F M"YYB+/YLZ==I$Y\;)==Q2EE#^&EVBL9R^,TA,D26#D[$@6[TD +=NE0_'5*@ M=SP%^A=TQ8?,4R^\)6*5G%B#22-B#)&B;%>S*8M7XV<#1IS'@+B+^B/YK&{@ M=BF,6]3Y-86M#"'*%D%#!EY9=DLDC@\+']'@B&7>@=>1K>=&]O5 D6]*,Y$Q MUR-=*{6E"IN\&*%6#'GLA9A*&N>Y88TU,"&A&&3?QSP:/+O<0K+:NWA6,D9 M @6XCGT$HX7A?!W;DT%P?Y;Y:5>2UC#HH6#!?8Z04VX##=XUR<+&%*\\3UZW3 MQ_;E+Y\|*{9IU.38![@6:%H5O7CYYOWY@-'S,#H7(C_3L7N25,!;K+G]^W:$ MG*_IX.AKL8TML;^XV@BJKVF_8>> D\@*_"F3*CA,I,2ZJ9W0C*,J'J2/(Q&:

*MZA,_[@QWO"&8>'C5GH),/P@1/3?.6:0\,!MZI2Q RK'HN"^,5XO(S9O8REB^S>=77 M8Y+=/`JE4("8^X33#7LK2.V6ZDRNAG2M*E/,K]33PULFQVRT]>.GZ[1A$@/N M)#5%H2>&SAPK'90E_A4V5AAP>PJNZN2:D)K/[[? #B>9[IW_ZQ&UI=#U@RYO MV6-MA^.0^ZN?+NH5T*BK"WI&D%VLZ_:D?);D],[1-+M$Z*@IMZ)CO4[|< M#QZ*U*1J]>'1",]-,2!CO0WT ^Z_#1Y]?6O;WIBUH(=|[?ZU[%B]L]?6IP2U M*SP3!:_ZMH!Q*KUAI+[4=[5]-7#'|\R@9N#!P.N,PTD{;-U0Z<#;VZ?M<[3C MX97^-^IVW]^,%?N:_YVA.V!7HKFJH@4KABN5V[0OFA7I+3$-^%]*8QEZ2$/7 M#_!5V1HN+1R<(>R00Z76"!#6N#|_NH(/@Q/GVX !V_V=V3^1ZW7]YU|-+<0!DX"V/O MS[T!H-]W",X7'M$#6KJ3]YQP?YQ*Y=O^87;@O5DG21=QS3?R8 M*YAE^2*CY;*[@-F%RF!!S1>Q]!1P>5-)LUQ@8SWO]%2ION,T"'[X_,\YOV" M>V18@ V M&Z35&IMCY&J8 [/^)*EA<3# [_;V;0_C5MKI;_Y,YB0]CX_^-;ZN M%&NW*8FE%9=M^TIB*2^R1;T;HVVI]_5M*WFH3&(-&K9JQ!53&)?A4X!3TE\C M<@OP1/#[F$\=GX5%? XJ#!/X<%0/5OL#L\[/:\3.FBT'N.7{=O3UR27@O%N9 MTFXE7D>"_7LN1#U*=%37^-V4LJUKWR_2*') D?0-Q$%"]Y:5C0Y4Q0/Q$%0? M!!^/NBV;7[!/LW0Q)8W]R4]F2&Z9J,^.)/ZO=YHL]_NFZH9T,GT/>5\/A:QS M_"^^X;)"S<,W-XD6:,_MY[<%'/$@XL/?$R.FB;,%\M(&9/)WTRR)LAYSB6/Y\,1@JO^E(D"T?;R>W\:U M5(? _;S+P=]PEK94 2U&"SD(1,5KR@U[&OLY\RSG%VT7)OEF_8S=(H2N1Q1+> M,>0CF<^[(X%@H9!V/QTOF"?EA@NY5>LBVFZ&/D:AK@QKES]*KZR,G(DPYN;M MBO%,-P,IC5J0 >9N&I%2*9RITNPEJZHP(?8QP!.R2$#@JL8/>4K]2-.;_2;& MHN$MV+^19K94N&1V]"U#$]U65A+L8ZXX'&$29']U+M$)CA\V3CVHWEUTNP] M-:[YZM(SY'W.5Q PD28@ABCD;@>>+2L;WFV);1ZUU#;7@N)V6N4&EI_+U55$ MR"%I3%A#>*:UI'C*5R#\S7;'-7I>F:S,%8VX[7*36!23,RQZ"BJXA,+ M,,OPB?!*FG*&$?%@IED$YP") K6CPKDDAI. QI"&A!C-\0OA_1:RCB10\%Q* M!VC0'CTA(G_(Y6\?A89'!""^;B3 ,HSF2NI-SH;BWT1NYI=E%G-XL'A*+D8.D M[RWTA)"5!M9>B)"9TWP8#5W"LLH&_QD>/KS&?=ZGWC[ML*-!F#O3'1#5]?4.OAL?M0-/P0'CW\+Q+%5_Z]fX9=/2$& M)LD!T,V@%76HA*SG0+5,EW^Y,!0\Y.N9P##,.T 58TR!X(@90.&S?5/X;ZHOX"ZLD[G<_!P0%_'B3,#<+=S_^DNKK:M;^/%|:: |N#;\ MXKJ3 !Z9U9>G"GZ1@:=&\9|:ZL";=)&Y_AWE4,"/OD$L?0-187P6)B54T]#+ M*K3Z[*UBRY<00AK0UY\ M*:TR3G'-S"B2C*VM5]G!??%TNV"M>Q\GS VY5:1) [8@2P!+&@3H"AX]=_@ LC M78#]CWX/@W?*I#1I[_4]S$!XE_FX=L_?3J3[9RDDDI[?1C$3\]*>]G8/=%ZO\OXC*P]2Z4J4^#5, MC37P6];#^(?Z VK-_^8&'R;_|82|/^B9AVB&^;'L- @^30IV_PDWV0IZIFD? M_1T#%!"X="C@L@'CCI=(L[IB.!58KN3H&HNFY]-^]PFUIVB6_-]C<5]AQ\_M'A[_>G9"#%"?S[_L=.>J.U=/>]Y:);D'W$CO'?]X57>#]G"4LWM98)^O*-BP MV?^8_XBT5[_!.!+OYQVFO!K23?1L]<@#!L>9/P_?=CNDVR'-=+^(37!K'/<#M]VVV%&TXX2"YT!0L:,E!4$'QHC#,R5S M4L&8:)BDQ1_L:U0F]46'IV"A)2&N!)5PCP3!,]A6SW%R3KRI"R]UCO'MCO'? M3CY\.#D_/1G:/5&>ZF5>YW1OOBG4.=V=T_T=G&Y%7/K)G_I9EF[I%GIV6N3! M+G>W/[K]L=3A_N0G_A3]]6/A[KRS]JT2%V'W,5V$+4 W;:;_UL&9-F2)GD!% MT! ?#6/WR/6/)__]U]/WIQ?>X=-&4AY?!@|$< V'?P_/CDZ\L\)7IT>O_X7_V_>YSOC2TI.4=.? JJPB(3Z1("SGR_#'$Y#]BTOLI@:.5<1F%Q MC>7-U9YQ7]^E:!,"_VX!,0%EIQS=VE]A4.DL:<CJ("82Y.T>8==YDJ0[],7Q X^XRY&K_*":MIY<0] M4,H/2K7PMJC'8R&J,::$5I97SR*7OUQD^'"'5?[6QPK[J6\ZZ.GW]RHIPBX&# ^Z4 MJE"_9_')$]H25GA8:/6:HO'^=4+_VSUX;D*Z9QAV,^\?/RI?U^^N+ESNN]-<)A[J3#[J*?-BP_]@ !U(8WGU(D]/9'3*WI M\8EON.>V;]9D7#TS*78"V'8!=#?:HP!G%A1;2B=>X-\0)T$>ZB;F41K<"CG;_M+$FUSX%[;]+IKK=.NW<"Z*ZW=EQO'ZBT*9"(?G>U=5=;=[5MW ;K!/"\!-!=M;8|QM7WTNYNMN&I?^ap%$L"'>.*B\X_;"9T'W#+#<.BB!F%B;BL7M[' MOA'P?)-^OO=[=>|DX G;G0#BM<D&<OVTN MINLD]?6>1/<9IF@MK[&,TC:H65#G4? (FOGCWL[N+C&F8_]< M:@#B- O#1A^A:3M&!0L#Z;ZE/E-]3> ALS#6+57INZ;E(AR;T NB?)R%.*#^ M6^-^/'M8"80@!&=ZS[UD+UK!"&TG,_IV1X'L'JX,.OED)75P3QKU\-/.R]?WUF,; M4I&R 2>U*_;IBGV>>41A Z38"6#;|=#9ZT_-M%G# -Q=>-T>?'JU=N^-UQ9A M/)3>L]MKW5[[,E2A73AB0YHE=$RHVI'G^?"'J9'&['6%N'E#*8^3),DW*ZI7V3A59IY%S,_&",H=',F M_^1GWZ&S;+4H'F'"S;T_GO6TC|/$CP/OXTWB+Z:S[7-G-ME"?6HGXB\_CM+@ MYC__Y2\_SHIY_)__#U!+ P04_" U@FU9TE1FB&P) !4/@ -#P_'!D M>6XM97@S,5\Q+FAT>U;:U;W/;MA+]?/LK<-\)KSTCRGHY#K-C&,KK6)R(U[<]7{(1B\&(YLR-K)/:.ZCTHXL*H(6\]CD?!?_M#D2>P&T8=/N9R.NV_EFAC+!"Y:$&R:T80S]2MX$1?Y. ^2.D$=(!W4,UQ46M(.M56Y)!,)V]I'!];[37UW?/4IX).0VO10:&7<"$7:F.Y[5@I*Q5&:UF,A(6 E/P&,)"0S#1O.BOZ'ZO.M0U$8D=A:FP08R2D).2GWYL M/VWUCP^I[P@6# MVY& (A&4>DS-';.F"]O,/];W;"S$: /H;<4%>_/NZNV[MDXMK=GWY\3ZY-RR^^8=G=Q-KABU|\. MV-O!Z;NK|^MS%!|\LTN7[/VBVZO\4_UW\E;=G)V^>9Z<+:(MJG^70UBWU2$7.0^>+TZN1B\#2[_^&WPO|!YG5;K=9\|62!HU?>7>{(d(H| M>6G!6'E_0)IR:=JOU9*7#KP0:-N)C8!K& B:0(%"$8;^7. #>RSPRRSB. V2M\)PE! M*)NRFUQ-)"1#:'BL:8^P1&%N;*.6G&2] 85"DI>)$.$HB%C1L. MQ7)LCI9@YLI0/_&(F9+ ^F[>?@(;[$QI)HS$6@03?C81=H0#- 7$SD#[%_$N M5(+#'&.SA$7313?L6/256- 1]S"P'EHH<<4]0G^.R@11"<7RL%YZ+/,6)G%.- MBG_'LDRP3\}3^ @@;R!M!DS\;,XAUQ$8IY[2]$&U65*.EB2M^&R112A1 +BF$ MIE-GG#TQ-R.62C4Q-=$T#!'- &@MSQNFEMMQM;"SPQ=3&K%F[IH\Q7HDSO$5#F M->@E?_S$5'!JLF*9HE:8"+_?-@8/=.>,:, 1L"*20$!D@&&..$$ C:D%B&48H MBE)TC>,.I3(EMB%/6DF/]$*K&!*\;=@^ CL!9(I'[^ V'O%\B,D3AH6K4J"$ MJQ&/1L%;X6I$NO*7@DJRW#,_^F<4.Q:(YXE MFRM*%U2E*(B&N_]]D>[94:?I[/G3WHM.]UGO6>?H@1BXSP^^?0J> M@4&? (OY=VO1ALC0HHXMY:,9O0JE5! C\2I-/UE2IL0.$X%@8%Y10"G+7#U7# M\W"V&!+]LBTRJT@>>)!CNF/KP3(T>'5.W#CIKA-T^7&W-6^3Z6"1$1VY4SBDN(YA+3<49 M<93KL8+,ECP2$AAYI1A;E)+LX>CEF.-)_Z2Z$)QO\+ ,;36@HM0%LM:XC#B. M$1G. %?F#2''1%?$)%##0KD B6L)Z@.'N(B/PC[+?*$?C1T#1P%Q+TU4C6 MPB^D*99A8HS(,QO**4QWMXB=_G)S;>6XB TQ[AE?P46JM'?KWB:Z\YDT4'F: M?GA1A5$UX>NF%__^0'OZU/F.3M\FG9)'0*9 MHHKC4A.N%]*ZI?XR92S>H;TWI,7$V,5??@F> [:\)ITA*C#SFPY\);,N)GEO12I'(DA<2'*C=O 2FHJ-^;A@]+7(K7FD8,H\A$)[EHQB'9Q+ 6MTF:63;H;V%F6 M"6L!-L;C2&&F2D\2@3:YYQM(/02VH?'"*OZD4K>-<(-^L4.+*;%/*D/02W)? 9X\]2_F&4\[?>#?VU(3.G1$H'-MH74M6B&+!>!KKO*2Y5+]-E&*8U*5'XXH3M%4+V1_%'BJIMVO*FZ8?7F"M#0W.)M><0*N*&I1&3. \T/#YE,%DRI09.AX=Y(91;^- B_W+$V^Q@\Q[(;,A M9# !2#52NH$O$-P4A!!PVWL55AH^HHI\K.08**SF?%CM4NIJUH*LD&H*^'0R M4GZ>XDM(1.1\8H;1O.N=?OH+O/<9HCO>WH?>UP?QLNT!1'=.U"T2;, WG07M M5RTQ=/%D^.5@.MCXT>VN2.MD?-5]|] MOZ;=9[MSSZ:]|]M;C' H5=]4AV<=]"(>WPRU*O.D](B>\NI_-1%_(B-S_ =W8 MX-?E\ [NMMLC[8THF,'FNX.HA/".'KH[S.M&O<$YWBTGNSGH&$1FR"YPKL@BG MBW:WP3]M3F_I;.Z&%_E/&?/8AWWF@P@A8]W(K8Z4A R@:W$)>T5\DN_=KQH@MVGB5^CI4UY] M8V66+'(\U]295JST\>_:U\ ;=V,@3Q[X,^&'_F#*M'W\/-_#&.VRB\KB;FO+ M;6#YU;7E!^A+?]N!7)+\-2"#KF<*EQ6<7Q(7T3_O*XT/W-?G_ 5!+ P04 M " U@FU9L/CLXE0) ///@ #P !!D>6XM97@S,5\R+FAT;>U:\Y_ M.:|;IO/.KN!ET-@$LQZ\DK9PIX";N3H!!TDETG)-MKSBMFZ2;QSA FTBZ)"^OSN%)D#H>V52^_XD\&ZB8PXB\<+U*;<1W '1CF.*]&2^1F482'S49NNUYI/U[7/4MH M*N0T'(B4&W+.)^12I32K!"-EK4!'UO(;&U IAEDH>6)Q#&Q>#3,9"'@[$F@ME1F @;Q"#),OSDEY^;AXWN\3ZV?7^\G_,)\S MXX^&^^G>/.?V>1DNPQ3-_&8E(6.(Q.3/$AB9HOOW6 ML'=;(08%N'XF9CCI7P[./IZ=] 9G%^?DT^?+^]\^]P$97'R_3>X-BV=ED,O/ MO >O2+-- @V9GE^Z1WODI:1ZP\NKS^6G_D@Q^ZY.K_LGGR[/|&0CWOYS\UCO_M=Y_T3@;DXB-IOFMW:G]7^_6N2._TXM.@?]{)OC270UB[T4(3.0OV+C_TSOM7 MP<67W_O_J8S7:C3NP\?6_? GXW\)8D4SO.[^'F>NL1@::.CY4F@Q&U\8CK&HFY M1H6(A3OABBW0R\62&O/K#BB4!E(8&W#)4XZO$I3*N=ZIIL"$R26=AHGD-I>L M54ZITL4)!<92;;O.+@'V;*(&H[^]I8%YS/]U _;1V^>T*2E A/PU4&D.,T- MKSG/01?9K4P@;A8H]YOURN(+ 84?IMEHO%GI\(E 0T9TS G@1O) M9P 48<@?!4R :SDEEQRC)[(R\'E!#0;P1!$)>03V(.R:<9)[XR<*)W7YQ$ M>O)Y## %V0\&6>1%@.P#O!.&($JGY#I3$\G9D-<\UK1'&%/04Z8LP5949(1F M4U)D5A<<<*76 0.A1TD*5UI021(;PRU-5 K!EU5>[I9 QF-N#-53%$GI-8=O M%_HT<(^!,C"D1.^%8Z! +'1)R "G M"/DY+FM (1'"QWKAN<@26,@I}GP=RP+!GT"]A= 6 /> "%S\07F#K$,V2CFG M58EHLS(T:,I<]EM#B4*" '!) 33=<,;I$U,S(HE4$U,13?,AH%E#9DXHWO1Z M@Y:U!;Z82IE;VFX\T24Z;P R@6\/4O4]*AC(IQB59)(N!RU^PYV)T1JKD# M. !61)(C$ F:.4< H!&V0+$4//1Z*;R&>-<92F0+.XT6P(T1.XA:[2$20P.@P?@V(E*[TA3!LO9TC9)5UAZ^- =$<'K>;1 MV\/.NU;[J'/4.G@D!N[2O>=/P5-NP:. 1Q4SDEGV%-A,YS:X]Q0:%S82 MHN>%:3DEYO$BM/#1Y/+0#']%' 7AA4%[SA[%&6Z9^OA,C5X<4S=V.K<(N[F[MVIBWP/6Q08$A';E1&T2\#F N-R1ERE&I6\048+&@DI+!3C###7#8NKAZ.68XTG M_I+H0G+GW/|-.;&\T#FPUKB(.(X!&4X!E^8->0:!K@3RPA.>XZJ-(I#">H+" MZB%&\;!;BCY3BL8O@*'+],96%\SB(7YXDD(;),2#/K$5?(S=P'?ZR_6YE>,B M- 2 9WP&%ZG"WCWV)MZ=SJ0YIJ?>MXLB)*H27[>|<&\#T*>+G6_I]#SIQ%X MG4X]7F_C'HN/9>KDGJS0ZCL\'$::*HX+C;A>",N6^DN5L7 '-]^@%Q-#%W_Z M$CS9O26< "G!WZS(E6K&@#E7)<4":E;,=-GSFHRHF<6]Z*D('<+4$;>]5V*EYCVJR,9*CCFZU8P. MRUU*7.Y:/.VEFG)X.ADIOTI1)20"]P$'5OA0"":;LA#L'1'<[ANS>+9T;+B5;'1O:-VS;>=P4XWA#[UJF_+HK.-=1./KH59%OH*2Y8G[6<_R MA7#(_1_@C35V73ZIVVB*K#0&2 (BYQ*K'K\S9NCR,*\3?8)3NANL<'@R4^3,-'\;L7+O7NMZ MR$%%W!LAE6ZOP&+!9G_U>.4Z"V[7N1=_XJTO%HR1'LE8PD?TG&N'76?^N5^UAG MNYJ]#@)OC? &BC;%=S1[%.B3I[7]R\PA@9O,Y8M&O-M-S]D4$YY[VLK.?S&:L^[#\G_!U!+ M P04 " U@FU9'2&Y&D% L(0 #P '!D>6XM97@S,E\Q+FAT;>U: M45/:.!!^OOX*73MT8"9V['308N>82=/TCID;0DDZUWM4K'6BJRSY9(4D_?6W MDNT0*+0U;??2EK)W9G)Q>$3TIT!9?A-NH8; 4>#]UZ[Y8?=_M9GF) LU*HCM1;$4*LQ+PR]_,ZBF7$;%SHW[F6:ZTH=+$.66,RVE$7N;+6'-) MW@SX=&8B$L9/G17&S^MG5,*>47D4^/MP3]:>Q.E&6@/[Z"9;EY;2)4T5@2B,,A-7#I=VHM=6THS+E;1 MF&=0D!-8D#.545D+3I0Q*D-9 TOC4<&G,A*0&FO#]M=F%C-NP"MRFD'4;_ 6 MFN;Q%=N?-8>$V%IR9691RXR4H"=(;>?XL/ CB;M/'G6;.?XB?[&;JE%;5&_ MVL=$"-6C9X'IQ#?W>%&;*($NP\(!LI9GW!#2DZN@;@E!.'++YF[&84$'0#] M@\#0'YR-C[\<|WOCX^$).7UW-GK7.QF3\?#'8W)G6OQ0@(0OR3M_Y/=|.AKT M'2AA>5]HD-Z(]%X/3\>#UUN4GA[5V!P&:!V3XAHQ_&Y!1[^Q5[V0P\H;O?Q_\ M27K]L6UI!4'K)H!(_@]\HG9$P\-Z25&GWY!PT5XR M',@&4%N()N)FUD M<2MH=0@M2,H%L MG1!#,-4Z"V"$]&1LDQF54T ?LHP7A74/(E<%W.EU_!>=PYUZY7%)&A'2=#?<^VF,^9L3.<"]9D@X81EQ9HI&OZ>]{2T5ZC+@:VE>+2F.%=!W<2=\KM. (/F"QNVAFW&D8:@&@X55&!0BQSC6#2<_M5LHEE8F|CP]D:FGL1@64FHLRZ@K'&&>S[*-#4W^;<;ZNX7JU8?Y$6MUU8 MN_K'YL!U-+8U3EQ5&-876W"@ZU;<$W2EY@8? OP06EZ;"(/"#G5H!>29H7D!4 M0$XQ&E!CX%;9Y;-=980.Z-KZ.2]PU2NX646U?B6$4FR-CC/7V?<[!X<[F]50 MU=&Z'&H:=H/NOA]TPKNMOV@=4? 5SL%M/<9_]%5LJ]+0\6Y"DPJ3K>,2>54^ MI^Y5?3XO,"+>1 /]$+F_GKUO#;Z7Z](Q+,SW,Z1'1455TO^KC-#5V6[$_T- MJ>(R-?#@2V/ 8E7]^C>B+'> ML2F|EOJ.;JH!&>D|NT1(-8LFN05R+_0#TE^']8OZ)OJ*+C=\7#;)_T9AY0, MEI#,]2$G&:8I3T!O(OB0.[M[]KE,>$[WW<^]Q CM]VP^.;GY]\U_/5^H Z M$;0H;%I,P9.*0:V#? FV<7V^<5]<"EA[CNMQFM9LV\TS&C!>YH*O(MJY39UWQ MV$/M3TZY]JW*V]!3]4"R>5[^_IH-U1_@!/$B"RV7EU4'G/I7CLH#-75[MKE M!L2RO.V"6ZXF;&I 1U0LZ*IPJXINT[H&.R7S(N:\1M[5IM;JLV$/Z\_@JN M18H$L&3)+VDC>0%CS\X+5;?JO7+#^"0+.2Z$TE M*9 V!:>_/<^PFC$1(;PP[>6Y5(9+$R<8T*8F$7H=;Z*.1/4FU.VFYL(A?%S M9X6PR_H>E;!G9!X%?I>)^)/'!*&KR&O\1.U;CF62\T,DR)2E&/#+FD\E2M/ MLT_6WE0J014'5\!,+Z\M!%(8*T*C,,A-7#I=VHO=6(HSQHMHIPC*JT1E=H@N9 M85$+3]4Q,@-90U? &PYS-1,1I.JP-JUZ;6W[#]17-@ M:\F(F4->,X=?@,_!^#VGJ"SJ-^>82"Y5]")P MK_CN&2_+F$TE)P\!P7-U9U-F4,G)-1#WA"\|_36S=Z.0@ -4_20P#(87D].3 MTT%_TRVIL5/!4CX&KWWQ_[-'>/AP(S2MKM!_7' MJ/|V=#X9OMVA]/RXQN8H.$2C$S3Y?8C&_8LW_;/AV!M[&/X)^H)G:D:001W MII>;G*W+PD0=O]MN[]UT[7K&M;;/N+\6VK"TV!:[;X/]5'#X(&ABGS%HRR+U^L6D&8Q .9Y5@4 MY4<2'R"XX8E4&0H#[QU*17)WSJEBDB J[#,0C6EN:#:E"K6!Q:V@U4%8HY1Q M2JZ<&=-DH> A"\/"@J#A*IEC,;@0Y8QK:WC\&,E"384S:FBX.Z&,^4LUJXU MT"E*]+*P-U"^4'H!3W%D)+K*+_L0>A57Z04^82+!5;(A7F8=6R GT4<@ESG- 'H+OI5A+'/W9I^UQGI=?Q7G:.]MNO/8D'N"--T/#WZ9 +X5&],%!VHF0#AN6;%FBJ)_+YBB&2AI"[RN>!VV]S'P M4;&PNT\.RGCFH)O@*:;>- =?"N>+;F6!7!*C=B2W[=N&Z5[A:9;B8@+3/L(N! M'<70&A.XZN"N8XF9K3-@7MNP>PP5!H$:E J,(>@ZASBJ!M.*V4"B\1>AQL2 MUQJ[]@!2"UY&74*-<39U'=FJ-/GW]? 7;A>H_;:R_2HOJ-M9N_6-SX#8:V55. M7*TPK"]VP0&N6W&/X7(N#-Q^14EYII&F.89HT!H#UV67 M]W8K(W! U=8OF8:NES-31+5^)0129(V:,,]?I^IW#HI[WKJZ%JHO5RJ&G(';I= M/^B$VZFV_:"UI6KG\+X>PS_]C;5HM#Q;HJ3CS,E%X)X53ZG[G5[/B\A(MY4 M4?PQ^$67#?I4$(B\]+^XQ,,*^X6O)WG1FJ6J8ZT1^P_KQ'+;LK$]X" M(R-T)B_+YB-LE\W'QIKSED#^GR\"WPX&C#P%)-X4T8,10[UC4WKMM#IN"@Y M(ZCVI0D@UM1-%'T$CJN"72]*,3DMR&XJW./((EW8%P#(V.$-1BI;O8@Z SFC*;H9+V5,DI3EFQ6M<<\O? USQ6!B.]IVQ660B)DSG'\>1'5WGSGJY8T^?I/SOBKK8J:X-. MU:.'//#9|[?LIOX$QH7A^#S=?M1>=D%MVPG<&]H MBC!?XD*[MJ+7M%]T.'}6:[]O2/P#4$L#!\0 (#6"-5EQZ>!$F@L +M> M . <&1Y;BUE>#5?,2YH=&WM'&ESVS;V<_LKL&Z3.C,2K?MT,^.Z;>I= M-TFM=+/[:0]_3V')!#GV1@I<-FJ]%?Q MFB+L?RR+,("+7KG>GXHPZUO%-Y$RP@H5]C1(;L4Y](? JHFS$1\V5#H 7<86 M1'(89>,/5&@)!'K52F3I">]MV(*AKV'&3M34QYF@$-EK9HB MK(4+6^92C,,>A)$E'-0]OS,;" MEW?>I&&\DSS]+^&^UITB&LF COIC80M M^P@) (2%Y^D.U5>D?'E#?XV<'$?ZB\)P0fY)%33)?Y]%74NG>#Q7WTf^-XU\DR M8T.E@IL0P8N+B1@*RYQ"YG)PNLJ'$E:5L4R3@XI4:.;2>]%.5(:I)0Y!#ZE"6 M?*YBBU@N(.@G&+M=KY+#(Y^21P9Z!B*NN85$:Q&?SI"=\X,T26'GO0PZ!4*H M(%<*-S;2W7FRK*DI:YFJ'MC@BIZ-KM?:KF>UY;5KVW6M-,W6EEAK7]?Q.3WQ M#[TNT1G*OCS4P#_TW+]E:MBL9) <%O>I$*I4Z.8NT+5,(UW@.V@]?RU3-IR((M).2@#F26LC>'{ 1PKG4=NU<;N Q-DQ8(;%"8H7$"HD)1(=AH[MAI>0UD M8+M@@I$<7X8_[]7VOG1"$/Y69F,MGVM]*H7Z]'R(Z9@9[?^\AW\T.[5*M=IL M_[_BO8_&>XQ+N[%]-;6HM3&M3^7=H+_W-BAT+LOZM;)T!%*Z']I>M^U5FI&] M>_DN9XK5MM=MUY^L$%)9REH[MSX!$S/]>M#PK\FH4VP_O02%X_.?2@:T&%UI M.N^$-"ID Q4:$0KV4JE "W_"GO)IU$=*#19/AT/|_(U6(S &*RHNV;'26,!Q MJJ^6C>XVI-9X$%)K5ZKI-S&R$W9T#E},3:(<6C6K%8QIC.B ^ 6Z_\2>W*$ MNIUJ15%N5^]MVY;%%CNKP&_)^.?S<.UIO:-95C]4J+:_3J7NUNVK_D.0P6A) M!*UN]X9)2*WFU>\R"6EO2D+:GQTDVQN#9'N72K5.^VK\Y3"W7ZSSJ.0V+:,N%O^G/:,]WW#TD2#0V^XX M)K14M]Q@?*7.83H$S:KU$N;]M<;:-N-=\GV%J[@9XI4M&7_#I>3!/ 1V=.+6 M?[P=G;+>:,%390L9TP+&_9.S V6^]I-BN/0@(#+BTIY1^ '0L[+[&_ M+) ^P3J-.6=]AOV_'*+8U\4N.[C[/I7G)S[%>P)*I'K"(A7^E=(X@O[[@S& MPMADP9<- ++LH&Y7HFKGO)RLT[>MKZI>Q>LH#@8 \#-A+;)&D M@+TO4;HO(V<+C;K]FWK+X#-N'GP+AO(6#<8!4_M>5HLQ%7R.GVB<7I M%!$:[_P/)? 8CI>B5*HNX9N=3"4CAUI4^&V\"I-1MJ^))DEM+5ZBG:EUV;^\A&\\V652._IZ7&O*7H4ZJ2T0#<)Q=)\"/&HEOX&3@#-(SKU MQA'.@(Y=YZZG6BG_F8Z4.]PE'I'B>5(.5H6P/G)A_%\G-,,%[@LI6&B!A'*)-MZJ5/KAA*F.O-RU$RP9=#LJU$-ML=.0F!D9VA#W,2T)>.A#HO5G,0JF46OL#Y\1WFDLQPY)'8X]EH\/? (MH:YV-MZXB3S \)"Q!XU3>LP"^,@N6IE#1J,6DBQ#F(B4/D/U!^\J=C1@/1:E*IS "# M/HJ"VB63S"7C'$&DSEW]E:BZ4RTP9B8)G5?/'.SQV/\%YV^+^S<36)]U&NZ0:!C M"&/4H1#GDB Q3#"#S'(;.V;/%^F02 F9+@V8V=_"4R3]%H-CU$'(U%,1 EW* M3Z[$##9B.B!IK)R4RIEAS?UYR)&'<:+9]MD(79/+6^/A>_3XF7ZBTL!848#X A.T9BW? R2RI02L::XL_+.8'JK8HO!0:J9LSI^BI_.G62 M+LHMIY9M4_W$HT@B.KI?_QZ[^OJ5?!3"$&'=5 ,-AE+F83S M1[1&^/5V36G|"2L++ NPSE#ZT0+S;R\FKR^Q%MB29ERO+6'PV/U M@GBH9L'15MXOC3;>O0??/4Q9F)6_||RI?Q^FI 6[&.5B[F"M:F]#C8/C ' M[':NM9;8& `]XE|<8[^)+.5N'AI/3P>M7#*\')Z].V,O7KW\].SG^/1/0Z\'1 MVY.'(HOD\1GW&R^IP[^5I>@!N#+Y<KF"N8*Y@<KF"N8*Y@<KF"N8 M*YB[G\S=K%C?EM7O'M_[B?]-%A4(^I-W1V+U3PT=#BO%T<1;)\;Z'_N-Y*2 M@_Q;SB$GN84L_1F">$^[=FC,E;E+WIY_=?IKR_;[M4H7!HK=4M*4Q!EK:3W]"I&ZN](?L>)2T;<,%7WC;G!T^I:='OWK!3L^>?O? M#,3PD 4"QFJY883"\X7Q%XW)]_R1[IR, ^$B>YYQ,T$N+9V"#/R\5#$P7S$N:'1M4$L! A0#% @ -8)M6>-Z M@. 9I ;0(% (!&/<# '!D>6XM97@Q,%\R+FAT;5!+ M 0(4 Q0 (#6";5G25&:(; D %0^ / " 5Z;! !P M9'EN+65X,S%?,2YH=&U02B$"% ,4 " U@FU9(CLXE0) ///@ #P M @ "WI 0 <&1Y;BUE>#,Q7S(N:'1M4$L! A0#% @ -8)M M61TEFN1I!0 + "$ \ (!>*X$ '!D>6XM97@S,E\Q+FAT M;5!+ 0(4 Q0 (#6";5FO@.ZO9P4 "DA / " 0ZT M! !P9'EN+65X,S0?,BYH=&U02P$"% ,4 " U@FU9<>G@1)H+ "[7@ M#@ @ &BN00 <&1Y;BUE>#5?,2YH=&U02P4& D "0 H) @ :,;4$ end XML 69 pdyn-20240930_htm.xml IDEA: XBRL DOCUMENT 0001826681 us-gaap:CommonClassAMemberus-gaap:CommonStockMember 2024-04-012024-06-30 0001826681 pdyn:ProductRevenueMember 2024-07-012024-09-30 0001826681 us-gaap:RetainedEarningsMember 2023-09-30 0001826681 pdyn:SeniorEmployeesMember 2024-04-172024-04-17 0001826681 us-gaap:CommonClassAMemberus-gaap:CommonStockMember 2023-04-012023-06-30 0001826681 us-gaap:RetainedEarningsMember 2024-03-31 0001826681 us-gaap:AccumulatedOtherComprehensiveIncomeMember 2022-12-31 0001826681 pdyn:TwoThousandTwentyFourIndexedEquityIncentivePlanMember 2024-09-30 0001826681 pdyn:RedemptionOfWarrantsWhenPricePerShareEqualsOrExceedsSixtyPerShareMember 2024-01-012024-09-30 0001826681 us-gaap:SubsequentEventMemberpdyn:RegisteredOfferingMemberpdyn:SecuritiesPurchaseAgreementMember 2024-10-31 0001826681 2023-04-012023-06-30 0001826681 us-gaap:USTreasurySecuritiesMember 2023-12-31 0001826681 us-gaap:AdditionalPaidInCapitalMember 2024-09-30 0001826681 us-gaap:SellingAndMarketingExpenseMember 2024-01-012024-09-30 0001826681 us-gaap:CommonClassAMemberus-gaap:CommonStockMember 2024-01-012024-03-31 0001826681 pdyn:SeniorEmployeesMemberpdyn:OptionModificationMember 2024-04-172024-04-17 0001826681 pdyn:OtherEmployeesMemberpdyn:OptionModificationMember 2024-04-*

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Basis of Presentation and Summary of Significant Accounting Policies Description of the Business Palladyne AI Corp. (the “Company” or “Palladyne AI”) is a pioneer in the robotic systems industry. The Company’s mission is to deliver software to its customers that enhances the utility and functionality of third-party stationary and mobile robotic systems by enabling these systems to quickly observe, learn, reason and act in structured and unstructured environments. The Company’s full-stack, closed-loop autonomy software platform (“AI/ML Software Platform”) is being designed with artificial intelligence (“AI”) and machine learning (“ML”) technologies to enable robotic systems to perceive their environment and quickly adapt to changing circumstances by generalizing (i.e., learning) from their past experience using dynamic real-time operations “on the edge” (i.e., on the robotic system) without extensive programming and with

minimal robot training. To reflect the Company's transition from a hardware-focused company, in March 2024 the Company changed its name from Sarcos Technology and Robotics Corporation to Palladyne AI Corp.   Basis of Presentation and Consolidation The accompanying interim unaudited condensed consolidated financial statements have been prepared in accordance with accounting principles generally accepted in the United States ("GAAP").   The condensed consolidated financial statements as of September 30, 2024, are unaudited. The condensed consolidated balance sheet as of December 31, 2023, included herein was derived from the audited consolidated financial statements as of that date. Certain information and note disclosures normally included in annual financial statements prepared in accordance with GAAP have been condensed or omitted. As such, the information included herein should be read in conjunction with the consolidated financial statements and accompanying notes as of and for the year ended December 31, 2023, included in the Company's Annual Report on Form 10-K, filed with the SEC on February 28, 2024. The condensed consolidated financial statements include the accounts of the Company and its wholly owned subsidiaries. All intercompany accounts and transactions have been eliminated in consolidation. The Company's fiscal year begins on January 1 and ends on December 31. In the opinion of the Company's management, the unaudited condensed consolidated financial statements include all adjustments necessary for fair financial statement presentation. All adjustments are of a normal recurring nature. Interim results are not necessarily indicative of the results to be expected for any subsequent quarter or for the fiscal year ending December 31, 2024.   Reverse Stock Split On July 5, 2023, the Company effected a 1-for-6 reverse stock split ("Reverse Stock Split") of the Company's outstanding shares of Common Stock, as approved by the Company's stockholders at the Company's Annual Meeting of Stockholders held on June 14, 2023. All share and per share amounts of Common Stock, options, warrants, restricted stock and restricted stock units in the accompanying condensed consolidated financial statements and notes thereto have been retroactively adjusted for all periods presented to reflect the reverse stock split. Summary of Significant Accounting Policies and Use of Estimates There have been no changes to the Company's significant accounting policies, and use of estimates and assumptions described in the annual consolidated financial statements for the year ended December 31, 2023, that have had a material impact on the Company's condensed consolidated financial statements and related notes.   Liquidity and Capital Resources Cash, cash equivalents and marketable securities were $21.3 million as of September 30, 2024, compared to $39.1 million as of December 31, 2023. The Company has incurred losses and negative cash flows from operations since inception and is likely to continue to incur losses and negative cash flows from operations in the near term.   As of September 30, 2024, the Company had an accumulated deficit of approximately $437.9 million and working capital of <span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">$19.8 million.   These financial statements have been prepared in accordance with GAAP and on the basis that the Company will continue as a going concern, which contemplates the realization of assets and the satisfaction of liabilities and commitments in the normal course of business. The Company's main source of liquidity has been cash generated by equity offerings. The Company's primary use of cash is for operations and administrative activities including employee-related expenses, and general, operating and overhead expenses. Future capital requirements will depend on many factors, including the Company's timing and extent of development efforts, the expansion and success of sales and marketing activities, customer growth rate, customer retention, the introduction of new and enhanced product offerings and market acceptance of the Company's products. The Company believes it has sufficient financial resources for at least the next 12 months from the date of this Report.   Revenue Recognition The Company recognizes revenue from the sale of its products and from the delivery of goods and services arising out of its contractual arrangements to provide product development contract services that are funded by the customer. The Company recognizes revenue when promised goods or services are transferred to customers in an amount that reflects the consideration to which the Company expects to be entitled in exchange for those goods or services by following a five-step process: <span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;font-style:italic;min-width:4.752178649237472 5%;word-break:keep-all;display:inline-flex;justify-content:flex-start;">(1) Identify the contract with a customer. A contract with a customer exists when (i) the Company enters into an enforceable contract with a customer that defines each party's rights and obligations regarding the products and services to be transferred and identifies the payment terms related to these products and services, (ii) the contract has commercial substance and (iii) the Company determines that collection of substantially all consideration for products and services that are transferred is probable based on the customer's intent and ability to pay the promised consideration. Contract modifications may include changes in scope of work, and/or the period of completion of the project. The Company analyzes contract modifications to determine if they should be accounted for as a modification to an existing contract or a new stand-alone contract. <span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;font-style:italic;min-width:4.752178649237472 5%;word-break:keep-all;display:inline-flex;justify-content:flex-start;">(2) <span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;font-style:italic;min-width:fit-

content;">Identify the performance obligations in the contract: The Company enters into contracts that can include combinations of products and services, which are either capable of being distinct and accounted for as separate performance obligations or as one performance obligation if the majority of tasks and services form a single project or capability. Determining whether products or services are considered distinct performance obligations that should be accounted for separately may require significant judgment. <span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;font-style:italic;min-width:4.752178649237472 5%;word-break:keep-all;display:inline-flex;justify-content:flex-start;">(3) Determine the transaction price: The transaction price is determined based on the consideration to which the Company will be entitled in exchange for transferring goods or services to the customer. Such amounts are typically stated in the customer contract. However, to the extent that the Company identifies variable consideration, the Company will estimate the variable consideration at the onset of the arrangement as long as it is probable that a significant reversal in the amount of cumulative revenue recognized will not occur when the uncertainty associated with the variable consideration is subsequently resolved. The Company's current contracts do not include any significant financing components because the timing of the transfer of the underlying products and services under contract are at the customer's discretion. Additionally, the Company does not adjust the promised amount of consideration for the effects of a significant financing component if the Company expects, at contract inception, that the period between when the Company transfers a promised good or service to a customer and when the customer pays for that good or service will be one year or less. Taxes collected from customers and remitted to governmental authorities are not included in revenue. <span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;font-style:italic;min-width:4.752178649237472 5%;word-break:keep-all;display:inline-flex;justify-content:flex-start;">(4) Allocate the transaction price to performance obligations in the contract: Once the Company has determined the transaction price, the total transaction price is allocated to each performance obligation in a manner depicting the amount of consideration to which the Company expects to be entitled in exchange for transferring the good(s) or service(s) to the customer. If applicable, the Company allocates the transaction price to each performance obligation identified in the contract on a relative standalone selling price basis. The standalone selling price represents the amount the Company would sell the good(s) or service(s) to a customer on a standalone basis. For government contracts, the Company uses expected cost plus a margin as the standalone selling price. Because the Company's contract pricing with government customers is generally based on expected cost plus a margin, the standalone selling price of the good(s) or service(s) in the Company's contracts with government customers are typically equal to the selling price stated in the contract. When we sell standard good(s) or service(s) with observable standalone sale transactions, the observable standalone sales transactions are used to determine the standalone selling price. <span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;font-style:italic;min-width:4.752178649237472 5%;word-break:keep-all;display:inline-flex;justify-content:flex-start;">(5) Recognize revenue when or as the Company satisfies a performance obligation: For each performance obligation identified, the Company determines at contract inception whether it satisfies the performance obligation over time or at a point in time. For performance obligations satisfied over time, revenue is recognized as work progresses when the Company is entitled to the reimbursement of costs plus a reasonable profit for work performed for which the Company has no alternate use. For these performance obligations, the Company generally recognizes revenue using an input method with revenue amounts being recognized proportionately as costs are incurred relative to the total expected costs to satisfy the performance obligation. The Company believes that costs incurred as a portion of total estimated costs is an appropriate measure of progress towards satisfaction of the performance obligation since this measure reasonably depicts the progress of the work <span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;font-style:italic;min-width:4.752178649237472 5%;visibility:hidden;word-break:keep-all;display:inline-flex;justify-content:flex-start;"> effort. Revenue for performance obligations that are not recognized over time are recognized at the point in time when control transfers to the customer (which is generally upon delivery). For performance obligations that are satisfied at a point in time, the Company evaluates the point in time when the customer can direct the use of, and obtain the benefits from, the products and services. Shipping and handling costs are recorded at the time of product shipment to the customer and are included within revenue. Revenue from Contracts with Customers The Company derives its revenue from two sources. First, the Company enters into research and development agreements primarily relating to the commercialization of the Company's products. Second, the Company sells its products and related parts and repair services. Product development contract revenue includes revenue arising from different types of contractual arrangements, including cost-type contracts and fixed-price contracts. Product revenue primarily consists of sales of the Company's products. Product Development Contract Revenue Cost-type contracts- Research, development and/or testing service contracts, including cost-plus-fixed-fee and time and material contracts, relate primarily to the development of the Company's products and related technology. Cost-type contracts are generally entered into with the U.S. government. These contracts are billed at cost plus a margin as defined by the contract and the Federal Acquisition Regulation ("FAR"). The FAR establishes regulations around procurement by the government and provides guidance on the types of costs that are allowable in establishing prices for goods and services delivered under government contracts. Revenue on cost-type contracts is recognized over time as goods and services are provided. Fixed-price contracts- Fixed-price development contracts relate primarily to the development of technology in the area of robotic platforms. Fixed-price development contracts generally require a significant service of integrating a complex set of tasks and components into a single deliverable. Revenue on fixed-price contracts is generally recognized over time as goods and services are provided. To the extent the Company's actual costs vary from the fixed fee, we will generate more or less profit or could incur a loss. The Company will recognize losses at the contract level in earnings in the period in which they are incurred. Product Revenue Product revenue relates to sales of the Company's legacy commercially available products, and certain miscellaneous parts, accessories and repair services. The Company provides a limited one-year warranty on certain product sales. Product warranties are considered assurance-type warranties and are not considered to be separate performance obligations. Product revenue is recognized at the point in time when ownership of the goods is transferred, generally at the time of shipment to the customer. At the time product revenue is recognized, an accrual is established for estimated warranty expenses based on historical experience as well as anticipated product performance. Revenue recognized for Product Development Contract Revenue and Product Revenue for the three and nine months ended September 30, 2024 and 2023, were as follows: <table style="border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;"><tr style="visibility:collapse;"><td style="width:50.72%;box-sizing:content-box;"></td><td style="width:1.18%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:8.6%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.18%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:9.32%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.9%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:8.6%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.18%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:9.32%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td></tr><tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"><td style="vertical-align:bottom;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> For the three months ended September 30, </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> For the nine months ended September 30, </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td></tr><tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"><td style="vertical-align:bottom;"> (In thousands) </td><td style="vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New

Roman;margin-bottom:0;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:9pt;word-break:break-word;"> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:top;"> Product Development Contract Revenue </td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;"> $</p></td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">764</p></td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,044 </td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;"> </td> <td style="background-color:#ffffff;white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;"> $</p></td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">4,359</p></td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 4,614 </td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Product Revenue </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 107 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 783 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 2,666 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 786 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:9pt;word-break:break-word;"> <td style="background-color:#cff0fc;text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Revenue, net </td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">871</p></td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 1,827 </td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="background-color:#ffffff;white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">7,025</p></td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 5,400 </td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> </table> Contract Balances The timing of revenue recognition, billing and cash collection results in the recognition of accounts receivable, unbilled receivables, contract assets and deferred revenue in the

Company's condensed consolidated balance sheets. Cash funds received in excess of revenue recognized that is contingent upon the satisfaction of performance obligations is accounted for as deferred revenue. Contract assets include unbilled receivables which are amounts resulting from timing differences between revenue recognition and billing in accordance with agreed-upon contractual terms, which typically occur subsequent to revenue being recognized. The opening and closing balances of our accounts receivable, unbilled receivables, contract assets and deferred revenue as of September 30, 2024 and December 31, 2023, are as follows: <table style="border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;"><tr style="visibility:collapse;"><td style="width:44.8%;box-sizing:content-box;"></td><td style="width:1.04%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:8%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.04%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.04%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:8%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.04%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:8%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.04%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:8%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td></tr><tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"><td style="vertical-align:bottom;"> (In thousands) </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Accounts receivable </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Unbilled receivable </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Contract assets
(current) </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Contract assets
(long-term) </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Deferred revenue
(current) </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td></tr><tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"><td style="white-space:pre-wrap;vertical-align:top;"> Ending Balance as of December 31, 2023 </td><td style="white-space:pre-wrap;vertical-align:bottom;"> </td><td style="white-space:nowrap;vertical-align:bottom;"> $</p></td><td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">555</p></td><td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td><td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td><td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td><td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 2,034 </td><td style="white-space:nowrap;vertical-align:bottom;"> </td><td style="white-space:pre-wrap;vertical-align:bottom;"> </td><td style="white-space:nowrap;vertical-align:bottom;"> $</p></td><td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">50</p></td><td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td><td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td><td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td><td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1 </td><td style="white-space:nowrap;vertical-align:bottom;"> </td><td style="white-space:pre-wrap;vertical-align:bottom;"> </td><td style="white-space:nowrap;vertical-align:bottom;"> $ </td><td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 75 </td><td style="white-space:nowrap;vertical-align:bottom;"> </td></tr><tr style="height:9pt;background-color:#ffffff;word-break:break-word;"><td style="white-space:pre-wrap;vertical-align:top;"> Increase/(decrease), net </td><td style="white-space:pre-wrap;vertical-align:bottom;"> </td><td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td><td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 63 </td><td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td><td style="white-space:pre-wrap;vertical-align:bottom;"> </td><td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td><td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (455 </td><td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;">) </td><td style="white-space:pre-wrap;vertical-align:bottom;"> </td><td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td><td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (24 </td><td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;">) </td><td style="white-space:pre-wrap;vertical-align:bottom;"> </td><td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td><td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (1 </td><td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;">) </td><td style="white-space:pre-wrap;vertical-align:bottom;"> </td><td

style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (75 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;">) </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Ending Balance as of September 30, 2024 </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">618</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 1,579 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">26</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> </table> The Company recorded its current contract assets, long-term contract assets and current deferred revenue within prepaid expenses and other current assets, other non-current assets and accrued liabilities, respectively. During the three and nine months ended September 30, 2024, the Company recognized all of the deferred revenue which existed at December 31, 2023. There was no deferred revenue as of December 31, 2022. Remaining Performance Obligations As of September 30, 2024, the Company had backlog, or revenue related to remaining performance obligations, of $3.7 million. The Company expects most of this backlog to be recognized over the next 12 months. The Company’s backlog represents the expected value of exercised contracts, both funded and unfunded, less revenue recognized to date.
Recently Issued Accounting Standard Pronouncements   As an emerging growth company (“EGC”), the Jumpstart Our Business Startups Act (“JOBS Act”) allows the Company to delay adoption of new or revised accounting pronouncements applicable to public companies until such pronouncements are applicable to private companies. The Company has elected to use this extended transition period under the JOBS Act until such time as the Company is no longer considered to be an EGC. The adoption dates discussed below reflect this election. In November 2023, the Financial Accounting Standards Board (“FASB”) issued ASU No. 2023-07 (“ASU 2023-07”), Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures, which requires enhanced disclosure of significant segment expenses on an annual and interim basis. ASU 2023-07 is effective for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 31, 2024, on a retrospective basis. Early adoption is permitted. The Company is currently evaluating the impact of this accounting standard update on its consolidated financial statements and related disclosures. In December 2023, the FASB issued ASU No. 2023-09 (“ASU 2023-09”), Income Taxes (Topic 740): Improvements to Income Tax Disclosures. ASU 2023-09 requires companies to disclose, on an annual basis, specific categories in the effective tax rate reconciliation and provide additional information for reconciling items that meet a quantitative threshold. In addition, ASU 2023-09 requires companies to disclose additional information about income taxes paid. ASU 2023-09 will be effective for annual periods beginning January 1, 2026 and will be applied on a prospective basis with the option to apply the standard retrospectively. The Company does not expect a material impact on its consolidated financial statements related to ASU 2023-09. Description of the Business Palladyne AI Corp. (the “Company” or “Palladyne AI”) is a pioneer in the robotic systems industry. The Company’s mission is to deliver software to its customers that enhances the utility and functionality of third-party stationary and mobile robotic systems by enabling these systems to quickly observe, learn, reason and act in structured and unstructured environments. The Company’s full-stack, closed-loop autonomy software platform (“AI/ML Software Platform”) is being designed with artificial intelligence (“AI”) and machine learning (“ML”) technologies to enable robotic systems to perceive their environment and quickly adapt to changing circumstances by generalizing (i.e., learning) from their past experience using dynamic real-time operations “on the edge” (i.e., on the robotic system) without extensive programming and with minimal robot training. To reflect the Company’s transition from a hardware-focused company, in March 2024 the Company changed its name from Sarcos Technology and Robotics Corporation to Palladyne AI Corp.Basis of Presentation and Consolidation The accompanying interim unaudited condensed consolidated financial statements have been prepared in accordance with accounting principles generally accepted in the United States (“GAAP”).   The condensed consolidated financial statements as of September 30, 2024, are unaudited. The condensed consolidated balance sheet as of December 31, 2023, included herein was derived from the audited consolidated financial statements as of that date. Certain information and note disclosures normally included in annual financial statements prepared in accordance with GAAP have been condensed or omitted. As such, the information included herein should be read in conjunction with the consolidated financial statements and accompanying notes as of and for the year ended December 31, 2023, included in the Company’s Annual Report on Form 10-K, filed with the SEC on February 28, 2024. The condensed consolidated financial statements include the accounts of the Company and its wholly owned subsidiaries. All intercompany accounts and transactions have been eliminated in consolidation. The Company’s fiscal year begins on January 1 and ends on December 31. <p style="font-size:10pt;margin-

top:0;font-family:Times New Roman;margin-bottom:0;text-align:justify;"> In the opinion of the Company's management, the unaudited condensed consolidated financial statements include all adjustments necessary for fair financial statement presentation. All adjustments are of a normal recurring nature. Interim results are not necessarily indicative of the results to be expected for any subsequent quarter or for the fiscal year ending December 31, 2024. Reverse Stock Split On July 5, 2023, the Company effected a 1-for-6 reverse stock split ("Reverse Stock Split") of the Company's outstanding shares of Common Stock, as approved by the Company's stockholders at the Company's Annual Meeting of Stockholders held on June 14, 2023. All share and per share amounts of Common Stock, options, warrants, restricted stock and restricted stock units in the accompanying condensed consolidated financial statements and notes thereto have been retroactively adjusted for all periods presented to reflect the reverse stock split. 1-for-6 reverse stock split Summary of Significant Accounting Policies and Use of Estimates There have been no changes to the Company's significant accounting policies, and use of estimates and assumptions described in the annual consolidated financial statements for the year ended December 31, 2023, that have had a material impact on the Company's condensed consolidated financial statements and related notes. Liquidity and Capital Resources Cash, cash equivalents and marketable securities were $21.3 million as of September 30, 2024, compared to $39.1 million as of December 31, 2023. The Company has incurred losses and negative cash flows from operations since inception and is likely to continue to incur losses and negative cash flows from operations in the near term. As of September 30, 2024, the Company had an accumulated deficit of approximately $437.9 million and working capital of <span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">$19.8 million.
 These financial statements have been prepared in accordance with GAAP and on the basis that the Company will continue as a going concern, which contemplates the realization of assets and the satisfaction of liabilities and commitments in the normal course of business. The Company's main source of liquidity has been cash generated by equity offerings. The Company's primary use of cash is for operations and administrative activities including employee-related expenses, and general, operating and overhead expenses. Future capital requirements will depend on many factors, including the Company's timing and extent of development efforts, the expansion and success of sales and marketing activities, customer growth rate, customer retention, the introduction of new and enhanced product offerings and market acceptance of the Company's products. The Company believes it has sufficient financial resources for at least the next 12 months from the date of this Report.
2130000039100000-43790000019800000 Revenue Recognition The Company recognizes revenue from the sale of its products and from the delivery of goods and services arising out of its contractual arrangements to provide product development contract services that are funded by the customer. The Company recognizes revenue when promised goods or services are transferred to customers in an amount that reflects the consideration to which the Company expects to be entitled in exchange for those goods or services by following a five-step process: <span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;font-style:italic;min-width:4.752178649237472 5%;word-break:keep-all;display:inline-flex;justify-content:flex-start;">(1) Identify the contract with a customer: A contract with a customer exists when (i) the Company enters into an enforceable contract with a customer that defines each party's rights and obligations regarding the products and services to be transferred and identifies the payment terms related to these products and services, (ii) the contract has commercial substance and (iii) the Company determines that collection of substantially all consideration for products and services that are transferred is probable based on the customer's intent and ability to pay the promised consideration. Contract modifications may include changes in scope of work, and/or the period of completion of the project. The Company analyzes contract modifications to determine if they should be accounted for as a modification to an existing contract or a new stand-alone contract. <span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;font-style:italic;min-width:4.752178649237472 5%;word-break:keep-all;display:inline-flex;justify-content:flex-start;">(2) Identify the performance obligations in the contract: The Company enters into contracts that can include combinations of products and services, which are either capable of being distinct and accounted for as separate performance obligations or as one performance obligation if the majority of tasks and services form a single project or capability. Determining whether products or services are considered distinct performance obligations that should be accounted for separately may require significant judgment. <span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;font-style:italic;min-width:4.752178649237472 5%;word-break:keep-all;display:inline-flex;justify-content:flex-start;">(3) Determine the transaction price: The transaction price is determined based on the consideration to which the Company will be entitled in exchange for transferring goods or services to the customer. Such amounts are typically stated in the customer contract. However, to the extent that the Company identifies variable consideration, the Company will estimate the variable consideration at the onset of the arrangement as long as it is probable that a significant reversal in the amount of cumulative revenue recognized will not occur when the uncertainty associated with the variable consideration is subsequently resolved. The Company's current contracts do not include any significant financing components because the timing of the transfer of the underlying products and services under contract are at the customer's discretion. Additionally, the Company does not adjust the promised amount of consideration for the effects of a significant financing component if the Company expects, at contract inception, that the period between when the Company transfers a promised good or service to a customer and when the customer pays for that good or service will be one year or less. Taxes collected from customers and remitted to governmental authorities are not included in revenue. <span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;font-style:italic;min-width:4.752178649237472 5%;word-break:keep-all;display:inline-flex;justify-content:flex-start;">(4) Allocate the transaction price to performance obligations in the contract: Once the Company has determined the transaction price, the total transaction price is allocated to each performance obligation in a manner depicting the amount of consideration to which the Company expects to be entitled in exchange for transferring the good(s) or service(s) to the customer. If applicable, the Company allocates the transaction price to each performance obligation identified in the contract on a relative standalone selling price basis. The standalone selling price represents the amount the Company would sell the good(s) or service(s) to a customer on a standalone basis. For government contracts, the Company uses expected cost plus a margin as the standalone selling price. Because the Company's contract pricing with government customers is generally based on expected cost plus a margin, the standalone selling price of the good(s) or service(s) in the Company's contracts with government customers are typically equal to the selling price stated in the contract. When we sell standard good(s) or service(s) with observable standalone sale transactions, the observable standalone sales transactions are used to determine the standalone selling price.

  <span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;font-style:italic;min-width:4.752178649237472 5%;word-break:keep-all;display:inline-flex;justify-content:flex-start;">(5) Recognize revenue when or as the Company satisfies a performance obligation: For each performance obligation identified, the Company determines at contract inception whether it satisfies the performance obligation over time or at a point in time. For performance obligations satisfied over time, revenue is recognized as work progresses when the Company is entitled to the reimbursement of costs plus a reasonable profit for work performed for which the Company has no alternate use. For these performance obligations, the Company generally recognizes revenue using an input method with revenue amounts being recognized proportionately as costs are incurred relative to the total expected costs to satisfy the performance obligation. The Company believes that costs incurred as a portion of total estimated costs is an appropriate measure of progress towards satisfaction of the performance obligation since this measure reasonably depicts the progress of the work <span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;font-style:italic;min-width:4.752178649237472 5%;visibility:hidden;word-break:keep-all;display:inline-flex;justify-content:flex-start;"> effort. Revenue for performance obligations that are not recognized over time are recognized at the point in time when control transfers to the customer (which is generally upon delivery). For performance obligations that are satisfied at a point in time, the Company evaluates the point in time when the customer can direct the use of, and obtain the benefits from, the products and services. Shipping and handling costs are recorded at the time of product shipment to the customer and are included within revenue. Revenue from Contracts with Customers The Company derives its revenue from two sources. First, the Company enters into research and development agreements primarily relating to the commercialization of the Company's products. Second, the Company sells its products and related parts and repair services. Product development contract revenue includes revenue arising from different types of contractual arrangements, including cost-type contracts and fixed-price contracts. Product revenue primarily consists of sales of the Company's products. Product Development Contract Revenue Cost-type contracts - Research, development and/or testing service contracts, including cost-plus-fixed-fee and time and material contracts, relate primarily to the development of the Company's products and related technology. Cost-type contracts are generally entered into with the U.S. government. These contracts are billed at cost plus a margin as defined by the contract and the Federal Acquisition Regulation ("FAR"). The FAR establishes regulations around procurement by the government and provides guidance on the types of costs that are allowable in establishing prices for goods and services delivered under government contracts. Revenue on cost-type contracts is recognized over time as goods and services are provided. Fixed-price contracts - Fixed-price development contracts relate primarily to the development of technology in the area of robotic platforms. Fixed-price development contracts generally require a significant service of integrating a complex set of tasks and components into a single deliverable. Revenue on fixed-price contracts is generally recognized over time as goods and services are provided. To the extent the Company's actual costs vary from the fixed fee, we will generate more or less profit or could incur a loss. The Company will recognize losses at the contract level in earnings in the period in which they are incurred. Product Revenue Product revenue relates to sales of the Company's legacy commercially available products, and certain miscellaneous parts, accessories and repair services. The Company provides a limited one-year warranty on certain product sales. Product warranties are considered assurance-type warranties and are not considered to be separate performance obligations. Product revenue is recognized at the point in time when ownership of the goods is transferred, generally at the time of shipment to the customer. At the time product revenue is recognized, an accrual is established for estimated warranty expenses based on historical experience as well as anticipated product performance. Revenue recognized for Product Development Contract Revenue and Product Revenue for the three and nine months ended September 30, 2024 and 2023, were as follows: <table style="border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;"><tr style="visibility:collapse;"><td style="width:50.72%;box-sizing:content-box;"></td><td style="width:1.18%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.18%;box-sizing:content-box;"></td><td style="width:8.6%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.18%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:9.32%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.9%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:8.6%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.18%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:9.32%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td></tr><tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"><td style="vertical-align:bottom;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> For the three months ended September 30, </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> For the nine months ended September 30, </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td></tr><tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"><td style="vertical-align:bottom;"> (In thousands) </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td></tr><tr style="height:9pt;word-break:break-word;"><td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:top;"> Product Development Contract Revenue </td><td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;"> </td><td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;"> $ </td><td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 764 </td><td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;"> </td><td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;"> </td><td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-

bottom:0;text-align:left;">$</p></td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">1,044</p></td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="background-color:#ffffff;white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 4,359 </td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;"> </td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;"> $</p></td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">4,614</p></td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">Product Revenue</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">107</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">783</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">2,666</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">786</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> </tr> <tr style="height:9pt;word-break:break-word;"> <td style="background-color:#cff0fc;text-indent:10pt;white-space:pre-wrap;vertical-align:top;"><p style="margin-left:10pt;text-indent:0;font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">Revenue, net</p></td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 871 </td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">1,827</p></td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="background-color:#ffffff;white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 7,025 </td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $ </td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 5,400 </td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> </table> Contract Balances   The timing of revenue recognition, billing and cash collection results in the recognition of accounts receivable, unbilled receivables, contract assets and deferred revenue in the Company's condensed consolidated balance sheets. Cash funds received in excess of revenue recognized that is contingent upon the satisfaction of performance obligations is accounted for as deferred revenue.   Contract assets include unbilled receivables which are amounts resulting from timing differences between revenue recognition and billing in accordance with agreed-upon contractual terms, which typically occur subsequent to revenue being recognized.   The opening and closing balances of our accounts receivable, unbilled receivables, contract assets and deferred revenue as of September 30, 2024 and December 31, 2023, are as follows: <table style="border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;"> <tr style="visibility:collapse;"> <td style="width:44.8%;box-sizing:content-box;"></td> <td style="width:1.04%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:8%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:8%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.04%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:8%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.04%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:8%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;"> (In thousands) </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Accounts receivable </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"><p style="font-

size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Unbilled receivable </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Contract assets
(current) </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Contract assets
(long-term) </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Deferred revenue
(current) </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Ending Balance as of December 31, 2023 </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">555</p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 2,034 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">50</p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 63 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> (455 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;">) </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (24 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;">) </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (1 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;">) </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (75 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;">) </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Ending Balance as of September 30, 2024 </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">618</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 1,579 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">26</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td>

<td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td>
</tr></table> The Company recorded its current contract assets, long-term contract assets and current deferred revenue within prepaid expenses and other current assets, other non-current assets and accrued liabilities, respectively. During the three and nine months ended September 30, 2024, the Company recognized all of the deferred revenue which existed at December 31, 2023. There was no deferred revenue as of December 31, 2022. Remaining Performance Obligations As of September 30, 2024, the Company had backlog, or revenue related to remaining performance obligations, of $3.7 million. The Company expects most of this backlog to be recognized over the next 12 months. The Company's backlog represents the expected value of exercised contracts, both funded and unfunded, less revenue recognized to date. Revenue recognized for Product Development Contract Revenue and Product Revenue for the three and nine months ended September 30, 2024 and 2023, were as follows: <table style="border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;"><tr style="visibility:collapse;"><td style="width:50.72%;box-sizing:content-box;"></td><td style="width:1.18%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:8.6%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.18%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:9.32%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.9%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:8.6%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.18%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:9.32%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td></tr><tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"><td style="vertical-align:bottom;text-align:left;">
</td><td style="vertical-align:bottom;"> </td><td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> For the three months ended September 30, </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> For the nine months ended September 30, </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td></tr><tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"><td style="vertical-align:bottom;"> (In thousands) </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td></tr><tr style="height:9pt;word-break:break-word;"><td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:top;"> Product Development Contract Revenue </td><td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;"> </td><td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;"> $</p></td><td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">764</p></td><td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td><td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td><td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td><td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,044 </td><td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;"> </td><td style="background-color:#ffffff;white-space:pre-wrap;vertical-align:bottom;"> </td><td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;"> $</p></td><td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">4,359</p></td><td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td><td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td><td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td><td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 4,614 </td><td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;"> </td></tr><tr style="height:9pt;background-color:#ffffff;word-break:break-word;"><td style="white-space:pre-wrap;vertical-align:top;"> Product Revenue </td><td style="white-space:pre-wrap;vertical-align:bottom;"> </td><td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td><td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 107 </td><td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td><td style="white-space:pre-wrap;vertical-align:bottom;"> <span style="white-space:pre-wrap;min-width:fit-

content;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 783 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 2,666 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 786 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:9pt;word-break:break-word;"> <td style="background-color:#cff0fc;text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Revenue, net </td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">871</p></td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 1,827 </td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="background-color:#ffffff;white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">7,025</p></td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="background-color:#cff0fc;white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 5,400 </td> <td style="background-color:#cff0fc;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> </table>764000104400043590004614000107000783000266600078600087100018270007025000540000 The opening and closing balances of our accounts receivable, unbilled receivables, contract assets and deferred revenue as of September 30, 2024 and December 31, 2023, are as follows: <table style="border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;"> <tr style="visibility:collapse;"> <td style="width:44.8%;box-sizing:content-box;"></td> <td style="width:1.04%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:8%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.04%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:8%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.04%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.04%;box-sizing:content-box;"></td> <td style="width:8%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.04%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:8%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.04%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:8%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;"> (In thousands) </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Accounts receivable </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Unbilled receivable </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Contract assets
(current) </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Contract assets
(long-term) </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Deferred revenue
(current) </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Ending Balance as of December 31, 2023 </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">555</p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 2,034 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">50</p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1 </td> <td style="white-space:nowrap;vertical-align:bottom;">

  </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">75</p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">Increase/(decrease), net</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">63</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">(455</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">)</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">(24</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">)</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">(1</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">)</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">(75</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">)</p></td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">Ending Balance as of September 30, 2024</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 618 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">1,579</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 26 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> </table>5550002034000500001000750006300 0-455000-24000-1000-750006180001579000260000003700000Recently Issued Accounting Standard Pronouncements   As an emerging growth company (“EGC”), the Jumpstart Our Business Startups Act (“JOBS Act”) allows the Company to delay adoption of new or revised accounting pronouncements applicable to public companies until such pronouncements are applicable to private companies. The Company has elected to use this extended transition period under the JOBS Act until such time as the Company is no longer considered to be an EGC. The adoption dates discussed below reflect this election. In November 2023, the Financial Accounting Standards Board (“FASB”) issued ASU No. 2023-07 (“ASU 2023-07”), Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures, which requires enhanced disclosure of significant segment expenses on an annual and interim basis. ASU 2023-07 is effective for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 31, 2024, on a retrospective basis. Early adoption is permitted. The Company is currently evaluating the impact of this accounting standard update on its consolidated financial statements and related disclosures. In December 2023, the FASB issued ASU No. 2023-09 (“ASU 2023-09”), Income Taxes (Topic 740): Improvements to Income Tax Disclosures. ASU 2023-09 requires companies to disclose, on an annual basis, specific categories in the effective tax rate reconciliation and provide additional information for reconciling items that meet a quantitative threshold. In addition, ASU 2023-09 requires companies to disclose additional information about income taxes paid. ASU 2023-09 will be effective for annual periods beginning January 1, 2026 and will be applied on a prospective basis with the option to apply the standard retrospectively. The Company does not expect a material impact on its consolidated financial statements related to ASU 2023-09. 2. Fair Value Measurements ASC Topic 820, Fair Value Measurement, defines fair value as the exchange price that would be received for an asset, or an exit price paid to transfer a liability in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants on the measurement date. Valuation techniques used to measure fair value must maximize the use of observable inputs and minimize the use of unobservable inputs. The fair value hierarchy defines a three-level valuation hierarchy for disclosure of fair value measurements as follows: Level 1—Fair value is based on observable inputs such as quoted prices for identical assets or liabilities in active markets. <span style="color:#000000;white-space:pre-

wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">Level 2—Fair value is determined using quoted prices for similar assets or liabilities in active markets or quoted prices for identical or similar assets or liabilities in markets that are not active or are directly or indirectly observable. Level 3—Fair value is determined using one or more significant inputs that are unobservable in active markets at the measurement date, such as an option pricing model, discounted cash flow or similar technique. Financial Assets and Liabilities Measured at Fair Value on a Recurring Basis On a recurring basis, the Company measures certain of its financial assets and liabilities at fair value. The fair value of the Company's financial assets and liabilities measured at fair value on a recurring basis was determined using the following inputs as of September 30, 2024 and December 31, 2023:

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<td style="width:50.34%;box-sizing:content-box;"></td>
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<td style="width:1%;box-sizing:content-box;"></td>
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<td style="width:1%;box-sizing:content-box;"></td>
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<td style="width:1%;box-sizing:content-box;"></td>
<td style="width:1.18%;box-sizing:content-box;"></td>
<td style="width:1%;box-sizing:content-box;"></td>
<td style="width:9.236%;box-sizing:content-box;"></td>
<td style="width:1%;box-sizing:content-box;"></td>
</tr>
<tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;">
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<td colspan="14" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> As of September 30, 2024 </td>
<td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td>
</tr>
<tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;">
<td style="vertical-align:bottom;"> (In thousands) </td>
<td style="vertical-align:bottom;text-align:left;"> </td>
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<td style="vertical-align:bottom;text-align:left;"> </td>
<td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Total </td>
<td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td>
</tr>
<tr style="height:9pt;background-color:#cff0fc;white-space:pre-wrap;word-break:break-word;">
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<td style="vertical-align:bottom;"> </td>
</tr>
<tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;">
<td style="vertical-align:top;"> Cash equivalents: </td>
<td style="vertical-align:bottom;"> </td>
<td colspan="2" style="vertical-align:bottom;text-align:center;"> </td>
<td style="vertical-align:bottom;text-align:center;"> </td>
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<td style="vertical-align:bottom;"> </td>
</tr>
<tr style="height:9pt;background-color:#cff0fc;word-break:break-word;">
<td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> U.S. Treasury securities </td>
<td style="white-space:pre-wrap;vertical-align:bottom;"> </td>
<td style="white-space:nowrap;vertical-align:bottom;"> $ </td>
<td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 3,000 </td>
<td style="white-space:nowrap;vertical-align:bottom;"> </td>
<td style="white-space:pre-wrap;vertical-align:bottom;"> </td>
<td style="white-space:nowrap;vertical-align:bottom;"> $ </td>
<td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td>
<td style="white-space:nowrap;vertical-align:bottom;"> </td>
<td style="white-space:pre-wrap;vertical-align:bottom;"> </td>
<td style="white-space:nowrap;vertical-align:bottom;"> $ </td>
<td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td>
<td style="white-space:nowrap;vertical-align:bottom;"> </td>
<td style="white-space:pre-wrap;vertical-align:bottom;"> </td>
<td style="white-space:nowrap;vertical-align:bottom;"> $ </td>
<td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> <span style="font-

size:9pt;color:#000000;white-space:pre-wrap;min-width:fit-content;">3,000 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Total assets </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="border-top:0.5pt solid #000000;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="border-top:0.5pt solid #000000;white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">3,000</p></td> <td style="border-top:0.5pt solid #ffffff03;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="border-top:0.5pt solid #000000;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="border-top:0.5pt solid #000000;white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> — </td> <td style="border-top:0.5pt solid #ffffff03;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="border-top:0.5pt solid #000000;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $ </td> <td style="border-top:0.5pt solid #000000;white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 3,000 </td> <td style="border-top:0.5pt solid #ffffff03;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> <tr style="background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:top;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left

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double #000000;text-align:center;"> 204 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> </table> <table style="border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;"> <tr style="visibility:collapse;"> <td style="width:50.34%;box-sizing:content-box;"></td> <td style="width:1.18%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.236%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.18%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.236%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.18%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.236%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.18%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.236%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:top;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="14" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> As of December 31, 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;"> (In thousands) </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Level 1 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Level 2 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Level 3 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Total </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:top;"> Assets: </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:top;"> Cash equivalents: </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> U.S. Treasury securities </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">4,973</p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 4,973 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:top;"> Marketable securities: </td> <td style="vertical-align:bottom;"> <span style="white-space:pre-

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style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 15,947 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Total assets </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">20,920</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 20,920 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> <tr style="background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:top;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td 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style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Warrant liability </td> <td style="white-space:pre-wrap;vertical-align:bottom;">

</td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">—</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 29 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">29</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">Total liabilities</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 29 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> </table> As of September 30, 2024, the Company held $3.0 million of available-for-sale debt securities with maturity dates within one year. The fair value of the Company's available-for-sale debt securities approximates their amortized cost basis. The Company considers all highly liquid investments purchased with an original maturity of three months or less to be cash equivalents. The carrying amounts of accounts receivable, unbilled receivables, accounts payable and accrued expenses approximate their fair values because of the relatively short periods until they are required to be settled. The fair value of the Company's financial assets and liabilities measured at fair value on a recurring basis was determined using the following inputs as of September 30, 2024 and December 31, 2023: <table style="border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;"> <tr style="visibility:collapse;"> <td style="width:50.34%;box-sizing:content-box;"></td> <td style="width:1.18%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.236%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.18%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.236%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.18%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.236%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.18%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.236%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:top;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="14" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> As of September 30, 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;"> (In thousands) </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Level 1 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Level 2 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Level 3 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Total </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:top;"> Assets: </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"><p

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style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">4,973</p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">—</p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 4,973 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#fffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:top;"> Marketable securities: </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> U.S. treasury securities </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 15,947 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 15,947 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Total assets </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">20,920</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> <span style="white-space:pre-wrap;min-

width:fit-content;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">20,920</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> </tr> <tr style="background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:top;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt 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<td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">29</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">Total liabilities</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">29</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double 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</table>3000000300000030000003000000204000204000204000204000497300049730001594700015947000209200002092000029000290002900029000300000 3. Balance Sheet Components Inventories, Net As of September 30, 2024 and December 31, 2023, inventories, net consisted of the following: <table style="border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;"> <tr style="visibility:collapse;"> <td style="width:66.993%;box-sizing:content-box;"></td> <td style="width:1.58%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.923%;box-sizing:content-box;"></td> <td style="width:1%;box-

sizing:content-box;"></td> <td style="width:1.58%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.923%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;"> (In thousands) </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> September 30, 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> December 31, 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Finished goods, net </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">—</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 1,065 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Total inventories </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">—</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p 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style="width:66.993%;box-sizing:content-box;"></td> <td style="width:1.58%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.923%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.58%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.923%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;"> (In thousands) </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> September 30, 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> December 31, 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Prepaid insurance </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">110</p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 873 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Software </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 740 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,028 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Other prepaid expenses and assets </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 323 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 422 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Total prepaid expenses and other current assets </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-

space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">1,173</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 2,323 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr></table> Property and Equipment, Net As of September 30, 2024 and December 31, 2023, property and equipment, net consist of the following: <table style="border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;"> <tr style="visibility:collapse;"> <td style="width:67.606%;box-sizing:content-box;"></td> <td style="width:1.6%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.118%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.6%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:13.077%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;"> (In thousands) </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> September 30, 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> December 31, 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Robotics and manufacturing equipment </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">1,097</p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,041 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Leasehold improvements </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 3,927 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 4,458 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Computer equipment </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,269 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,729 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Financed leased computer equipment </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 19 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 19 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Software </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 36 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 44 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Furniture and fixtures, and other fixed assets </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,003 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-

bottom:0;text-align:left;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,018 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr><tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Property and equipment, gross </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="border-top:0.5pt solid #000000;white-space:nowrap;vertical-align:bottom;"> </td> <td style="border-top:0.5pt solid #000000;white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 7,351 </td> <td style="border-top:0.5pt solid #ffffff03;white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="border-top:0.5pt solid #000000;white-space:nowrap;vertical-align:bottom;"> </td> <td style="border-top:0.5pt solid #000000;white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 9,109 </td> <td style="border-top:0.5pt solid #ffffff03;white-space:nowrap;vertical-align:bottom;"> </td> </tr><tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Accumulated depreciation </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (2,941 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;">) </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (4,267 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;">) </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Property and equipment, net </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">4,410</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 4,842 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> </table> Depreciation expenses were $0.2 million and $0.5 million, for the three months ended September 30, 2024 and 2023, respectively. Depreciation expenses were $0.6 million and $1.3 million, for the nine months ended September 30, 2024 and 2023, respectively.</p><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p><div style="font-size:12pt;font-family:Times New Roman;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">Accrued Liabilities</p><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">As of September 30, 2024 and December 31, 2023, accrued liabilities consist of the following:</p><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p> <table style="border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;"> <tr style="visibility:collapse;"> <td style="width:67.606%;box-sizing:content-box;"></td> <td style="width:1.6%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.118%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.6%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:13.077%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">(In thousands)</p></td> <td style="vertical-align:bottom;text-align:left;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"> </p></td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;">September 30, 2024</p></td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"> </p></td> <td style="vertical-align:bottom;text-align:left;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"> </p></td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;">December 31, 2023</p></td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"> </p></td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">Payroll and related costs</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 2,733 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 3,913 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Contract restructuring accrual </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New

Roman;margin-bottom:0;text-align:right;">506 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Legal services accrual </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 149 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:center;"> 547 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Other accrued expenses and current liabilities </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 664 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 839 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Total accrued liabilities </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">3,546</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 5,805 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> </table> Inventories, Net As of September 30, 2024 and December 31, 2023, inventories, net consisted of the following: <table style="border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;"> <tr style="visibility:collapse;"> <td style="width:66.993%;box-sizing:content-box;"></td> <td style="width:1.58%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.58%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.923%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;"> (In thousands) </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> September 30, 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> December 31, 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Finished goods, net </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">—</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 1,065 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Total inventories </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">—</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 1,065 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> </table>01065000010650000 Prepaid Expenses and Other Current Assets As of September 30, 2024 and December 31, 2023, prepaid expenses and other current assets consist of the following: <table style="border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;"> <tr style="visibility:collapse;"> <td style="width:66.993%;box-sizing:content-box;"></td> <td style="width:1.58%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.923%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.58%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.923%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;"> (In thousands) </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"><p

style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;">September 30, 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> December 31, 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Prepaid insurance </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">110</p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 873 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Software </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 740 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,028 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Other prepaid expenses and assets </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 323 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 422 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Total prepaid expenses and other current assets </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">1,173</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 2,323 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> </table>1100008730007400001028000323000422000117300023230000 Property and Equipment, Net As of September 30, 2024 and December 31, 2023, property and equipment, net consist of the following: <table style="border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;"> <tr style="visibility:collapse;"> <td style="width:67.606%;box-sizing:content-box;"></td> <td style="width:1.6%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.118%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.6%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:13.077%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;"> (In thousands) </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> September 30, 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> December 31, 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Robotics and manufacturing equipment </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">1,097</p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,841 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Leasehold improvements </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 3,927 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> <span style="font-size:9pt;color:#000000;white-space:pre-wrap;min-width:fit-

content;">4,458 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Computer equipment </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,269 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,729 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Financed leased computer equipment </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 19 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 19 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Software </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 36 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 44 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Furniture and fixtures, and other fixed assets </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,003 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,018 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Property and equipment, gross </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="border-top:0.5pt solid #000000;white-space:nowrap;vertical-align:bottom;"> </td> <td style="border-top:0.5pt solid #000000;white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 7,351 </td> <td style="border-top:0.5pt solid #ffffff03;white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="border-top:0.5pt solid #000000;white-space:nowrap;vertical-align:bottom;"> </td> <td style="border-top:0.5pt solid #000000;white-space:pre-wrap;vertical-align:bottom;text-align:center;"> (2,941 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;">) </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (4,267 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;">) </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Property and equipment, net </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">4,410</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 4,842 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr>
</table>1097000184100039270004458000126900017290001900019000360004400010030001018000735100091090002941000426700044100004842000200000500000600006
style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">Accrued Liabilities As of September 30, 2024 and December 31, 2023, accrued liabilities consist of the following: <table style="border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;"><tr style="visibility:collapse;"><td style="width:67.606%;box-sizing:content-box;"></td><td style="width:1.6%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:12.118%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.6%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:13.077%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td></tr><tr

style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;"> (In thousands)
</td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> September 30, 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> December 31, 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td>
</tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Payroll and related costs </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">2,733</p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 3,913 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Contract restructuring accrual </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 506 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Legal services accrual </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 149 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 547 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Other accrued expenses and current liabilities </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 664 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 839 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td>
</tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Total accrued liabilities </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">3,546</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 5,805 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td>
</tr> </table>27330003913000506000149000547000664000839000354600058059000 4. Earn-Out Shares On September 24, 2021 (the “Closing Date”), Rotor Acquisition Corp. (“Rotor”), a Delaware corporation, consummated the previously announced business combination (the “Business Combination”) pursuant to the terms of the Agreement and Plan of Merger, dated as of April 5, 2021 (the “Original Merger Agreement”), by and among Rotor, Rotor Merger Sub Corp., a Delaware corporation and a direct, wholly-owned subsidiary of Rotor (“Merger Sub”), and Sarcos Corp., a Utah corporation (“Old Sarcos”), and Amendment No. 1 to the Agreement and Plan of Merger, dated as of August 28, 2021 (the “Amendment” and the Original Merger Agreement, as amended, the “Merger Agreement”), by and among Rotor, Merger Sub and Old Sarcos. Pursuant to the terms of the Merger Agreement, the Business Combination between Rotor and Old Sarcos was effected through the merger of Merger Sub with and into Old Sarcos, with Old Sarcos continuing as the surviving corporation (the “Merger”) and a wholly-owned subsidiary of Rotor. On the Closing Date, Rotor changed its name to Sarcos Technology and Robotics Corporation. To reflect the Company’s transition from a hardware-focused company to an AI software-focused company, in March 2024 the Company changed its name from Sarcos Technology and Robotics Corporation to Palladyne AI Corp. As a result of the Business Combination, each holder of Old Sarcos capital stock is entitled to Contingent Merger Consideration following the closing of the Business Combination in the form of earn-outs, up to an aggregate of 4,687,500 shares of Common Stock (the “Earn-Out Shares”). The Earn-Out Shares will become payable as follows: • 2,343,750 shares of Common Stock of the Company in the aggregate if the closing share price of a share of Common Stock of the Company is equal to or exceeds $90.00 for 20 trading days in any 30 consecutive trading day period at any time during the period beginning on the first anniversary of the Closing Date and ending on the fourth anniversary of the Closing Date. <span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:4.98707868257546 6%;word-break:keep-

all;display:inline-flex;justify-content:flex-start;">• 2,343,750 shares of Common Stock of the Company if the closing share price of a share of Common Stock of the Company is equal to or exceeds $120.00 for 20 trading days in any 30 consecutive trading day period at any time during the period beginning on the first anniversary of the Closing Date and ending on the fifth anniversary of the Closing Date. The Earn-Out Shares are treated as equity-linked instruments as opposed to shares outstanding, and as such are not included in shares outstanding on the Company's consolidated balance sheets. As of September 30, 2024, there remained 4,687,500 Earn-Out Shares potentially issuable. 4687500234375090P20DP30D2343750120P20DP30D4687500 5. Warrants On January 20, 2021, Rotor consummated the initial public offering ("IPO") of 27,600,000 units (the "Units"), including the full exercise by the underwriters of their over-allotment option. Each Unit included one sixth of a share of Class A Common Stock and one half of one warrant (the "Public Warrants"). Simultaneously with the closing of the IPO, Rotor consummated the sale of 7,270,000 warrants (the "Private Placement Warrants") in a private placement to Rotor Sponsor LLC (the "Sponsor"), an affiliate of Rotor's officers and directors, and certain funds and accounts managed by two qualified institutional buyers. At the Closing Date, Old Sarcos acquired the net liabilities from Rotor, including the Public Warrants, that were recorded as equity instruments, and the Private Placement Warrants, that were recorded as warrant liabilities (together the "Warrants").   Each whole Warrant entitles the registered holder to purchase one sixth of a share of the Company's Common Stock at a price of $11.50 per warrant, subject to adjustment as discussed below, at any time commencing on January 20, 2022, provided that the Company has an effective registration statement under the Securities Act of 1933, as amended (the "Securities Act") covering the shares of the Common Stock issuable upon exercise of the Warrants and a current prospectus relating to them is available (or the Company permits holders to exercise their Warrants on a cashless basis under the circumstances specified in the warrant agreement (the "Warrant Agreement") entered into between Continental Stock Transfer & Trust Company and Rotor and such shares are registered, qualified or exempt from registration under the securities laws of the state of residence of the holder. Pursuant to the Warrant Agreement, a Warrant holder may exercise its Warrants only for a whole number of shares of the Company's Common Stock. The Warrants will expire five years after the completion of the Business Combination, or September 24, 2026, at 5:00 p.m., New York City time, or earlier upon redemption or liquidation. As of September 30, 2024, there were 20,549,453 Warrants outstanding. The Company will not be obligated to deliver any Common Stock pursuant to the exercise of a Warrant and will have no obligation to settle such Warrant exercise unless a registration statement under the Securities Act with respect to the shares of Common Stock underlying the Warrants is then effective and a prospectus relating thereto is current, subject to the Company satisfying its obligations described below with respect to registration, or a valid exemption from registration is available. No Warrant will be exercisable, and the Company will not be obligated to issue a share of Common Stock upon exercise of a Warrant unless the share of the Company's Common Stock issuable upon such Warrant exercise has been registered, qualified or deemed to be exempt under the securities laws of the state of residence of the registered holder of the Warrants. If the conditions in the two immediately preceding sentences are not satisfied with respect to a Warrant, the holder of such Warrant will not be entitled to exercise such Warrant and such Warrant may have no value and expire worthless. In no event will the Company be required to net cash settle any Warrant. In the event a registration statement is not effective for the exercised Warrants, the purchaser in the Rotor IPO of a Unit containing such Warrant will have paid the full purchase price for the Unit solely for the share of the Company's Common Stock underlying such Unit. Except as described herein, the Private Placement Warrants have terms and provisions that are identical to those of the Public Warrants. If the Private Placement Warrants are held by holders other than the initial purchasers or their permitted transferees, the Private Placement Warrants will be redeemable by the Company in all redemption scenarios and exercisable by the holders on the same basis as the Public Warrants. The Private Placement Warrants will not be redeemable by the Company so long as they are held by the initial purchasers or their permitted transferees, subject to certain exceptions. The initial purchasers or their permitted transferees, have the option to exercise the Private Placement Warrants on a cashless basis. Redemption of Warrants When the Price per Share of the Company's Common Stock Equals or Exceeds $108.00. Once the Warrants become exercisable, the Company may call the Warrants for redemption: • in whole and not in part; • at a price of $0.01 per Warrant; • upon not less than 30 days' prior written notice of redemption (the "30-day redemption period") to each Warrant holder; and • if, and only if, the last reported sale price of the shares of the Company's Common Stock for any 20 trading days within a 30-trading day period commencing after the Warrants become exercisable and ending three business days before the Company sends the notice of redemption to the Warrant holders (which is referred to as the "Reference Value") equals or exceeds $108.00 per share (as adjusted for stock splits, stock dividends, reorganizations, recapitalizations and the like). <p style="font-

size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:justify;">If and when the Warrants become redeemable by the Company, the Company may exercise its redemption right even if it is unable to register or qualify the underlying securities for sale under all applicable state securities laws. However, the Company will not redeem the Warrants unless an effective registration statement under the Securities Act covering the shares of the Company's Common Stock issuable upon exercise of the Warrants is effective and a current prospectus relating to those shares of the Company's Common Stock is available throughout the 30-day redemption period. Redemption of Warrants When the Price per Share of Our Common Stock Equals or Exceeds $60.00.Once the Warrants become exercisable, the Company may redeem the outstanding Warrants (except as described herein with respect to the Private Placement Warrants if the Company does not utilize this redemption provision): • in whole and not in part, • at $0.10 per Warrant upon a minimum of 30 days' prior written notice of redemption; provided that holders will be able to exercise their Warrants on a cashless basis prior to redemption and receive that number of shares determined by reference to an agreed table based on the redemption date and the "fair market value" of the Company's Common Stock; • if, and only if, the Reference Value (as defined above) equals or exceeds $60.00 per share (as adjusted for stock splits, stock dividends, reorganizations, recapitalizations and the like); and • if the Reference Value is less than $108.00 per share (as adjusted for stock splits, stock dividends, reorganizations, recapitalizations and the like) the Private Placement Warrants must also be concurrently called for redemption on the same terms (except as described above with respect to a holder's ability to cashless exercise its Warrants) as the outstanding Public Warrants, as described above. 2760000072700000111.5P5Y2026-09-24205494531080.01upon not less than 30 days' prior written notice of redemption (the "30-day redemption period") to each Warrant holder; andP30Dif, and only if, the last reported sale price of the shares of the Company's Common Stock for any 20 trading days within a 30-trading day period commencing after the Warrants become exercisable and ending three business days before the Company sends the notice of redemption to the Warrant holders (which is referred to as the "Reference Value") equals or exceeds $108.00 per share (as adjusted for stock splits, stock dividends, reorganizations, recapitalizations and the like).P20DP30D10860at $0.10 per Warrant upon a minimum of 30 days' prior written notice of redemption; provided that holders will be able to exercise their Warrants on a cashless basis prior to redemption and receive that number of shares determined by reference to an agreed table based on the redemption date and the "fair market value" of the Company's Common Stock;0.1P30D60108 6. Stock-based Compensation 2021 Stock Plan The 2021 Equity Incentive Plan (the "2021 Plan") provides stock options, restricted stock units ("RSUs"), restricted stock awards ("RSAs"), stock appreciation rights ("SARS") and performance awards for issuance to Company employees, officers, directors, non-employee agents and consultants. In general, outstanding awards granted under the 2021 Plan vest over one to four years and, in the case of options, are exercisable up to 10 years from the date of grant. The maximum number of shares of Common Stock that may be issued pursuant to the 2021 Plan is (i) 5.0 million shares of Common Stock of the Company plus (ii) any shares of Common Stock subject to stock options and other awards that were assumed in the Business Combination and expire or otherwise terminate without having been exercised in full, are tendered to or withheld by the Company for payment of an exercise price or for tax withholding obligations, or are forfeited to or repurchased by the Company due to failure to vest, with the maximum number of shares to be added to the 2021 Plan pursuant to clause (ii) equal to 2.1 million shares of Common Stock. As of September 30, 2024, 2.0 million shares were available to grant under the 2021 Plan. 2015 Stock Plan The 2015 Equity Incentive Plan (the "2015 Plan") provided stock options, RSUs, RSAs, SARS and performance awards for issuance to Company employees, officers, directors, non-employee agents and consultants. Outstanding awards under the 2015 Plan generally vest over three to five years and are exercisable up to 10 years from the date of grant. Unvested options are forfeited upon termination. No further awards may be made under the 2015 Plan. Any forfeited awards will be added to the 2021 Plan as described above. 2024 Inducement Plan We have adopted the 2024 Inducement Equity Incentive Plan (the "Inducement Plan") with an effective date of December 15, 2024, to reserve 500,000 shares of Common Stock to be used exclusively for grants of nonstatutory stock options, RSUs, RSAs, SARS and performance awards to individuals who were not previously employees or directors of the Company (or who are returning to employment following a bona fide period of non-employment), as an inducement material to the individual's entry into employment with the Company, pursuant to Nasdaq Listing Rule 5635(c)(4). The Inducement Plan was adopted and approved without stockholder approval pursuant to Nasdaq Listing Rule 5635(c)(4). As of December 15, 2024, 500,000 shares of Common Stock will be available to grant under the Inducement Plan. As of September 30, 2024, no<span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New

Roman;min-width:fit-content;"> stock-based compensation expense has been incurred in respect of the Inducement Plan. 2021 Employee Stock Purchase Plan The 2021 Employee Stock Purchase Plan (the "ESPP") provides for the issuance of shares of Common Stock pursuant to purchase rights granted to employees over designated offering periods, by funds accumulated primarily through elective payroll deductions. As of September 30, 2024, no offering periods have commenced and no shares have been issued under the ESPP. We will commence offerings under the ESPP beginning with the first offering to begin in December 2024. Offering periods are generally to be six months long and begin on June 1 and December 1 of each year. The purchase price for shares of Common Stock purchased under the ESPP is to be 85% of the lesser of the fair market value of the Common Stock on (i) the first trading day of the applicable offering period and (ii) the last trading day of the offering period. As of September 30, 2024, no stock-based compensation expense has been incurred in respect of the ESPP. Stock Option Activity The following summarizes the Company's stock option activity for the nine months ended September 30, 2024:   <table style="border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;"> <tr style="visibility:collapse;"> <td style="width:29.586%;box-sizing:content-box;"></td> <td style="width:1.2%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:14.403%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.68%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:13.923%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.2%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:14.403%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.68%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:13.923%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> Options Outstanding </td> <td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> Options Outstanding </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Number of Shares </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Weighted Average Exercise Price </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Weighted-Average Remaining Contractual Term
(in years) </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Aggregate Intrinsic Value
(in thousands) </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Outstanding – December 31, 2023 </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 2,845,084 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">9.82</p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">7.2</p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 91 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Granted </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 555,000 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-

space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,77 </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> (109,722 </td> <td style="white-space:nowrap;vertical-align:bottom;">) </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 0,22 </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 164 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Cancelled </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (1,746,065 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;">) </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 11,22 </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Outstanding – September 30, 2024 </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 1,544,297 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">1,82</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">7,5</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 307 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Exercisable – December 31, 2023 </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 1,250,104 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">11,62</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">5.0</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid

#000000;text-align:center;"> 91 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Exercisable – September 30, 2024 </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 511,120 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">1.89</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000,"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">4.8</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 146 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> </table> Option Repricing On April 17, 2024, the Company amended certain options to purchase 773,551 shares of the Company's Common Stock. All of the options subject to the amendments had exercise prices that exceeded the value of the Company's Common Stock on the amendment date. One set of amendments, which were entered into with seven senior employees of the Company, applied to options to purchase an aggregate of 225,670 shares held by those seven senior employees. These amendments (1) re-started the vesting schedule of the amended options, including for options that had already vested and (2) reduced the per share exercise price of the options to $1.59 (the "New Exercise Price"), which is equal to the closing price of the Company's Common Stock on April 17, 2024, the effective date of the amendments. No other terms of these options were modified. The other set of amendments applied to options to purchase an aggregate of 547,881 shares held by other eligible current employees and service providers of the Company with an exercise price per share greater than the New Exercise Price. These amendments reduced the per share exercise price of affected options to the New Exercise Price, which is equal to the closing price of the Company's Common Stock on April 17, 2024, the effective date of the amendments. No other terms of such options were modified. The total incremental fair value to be recognized as a result of the amendments was $0.2 million. The incremental fair value attributable to the vested options of <span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">$0.1 million was recognized as stock-based compensation expense during the nine months ended September 30, 2024. The remaining incremental fair value attributable to the unvested option shares will be amortized over the remaining requisite service periods. Restricted Stock Units Activity The following summarizes the Company's RSU activity for the nine months ended September 30, 2024: <table style="border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;"> <tr style="visibility:collapse;"> <td style="width:66.993%;box-sizing:content-box;"></td> <td style="width:1.1%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:13.403%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.58%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.923%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000,"> Restricted Stock Units Outstanding </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> Number of Shares </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> Weighted-Average Grant-Date Fair Value </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Outstanding – December 31, 2023 </td> <td style="white-space:pre-wrap;vertical-align:top;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,180,115 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $ </td> <td

style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 4.49 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Granted </td> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,544,319 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1.00 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Released </td> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> (297,945 </td> <td style="white-space:nowrap;vertical-align:bottom;">) </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 3.79 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Cancelled </td> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (700,797 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;">) </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 3.95 </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Outstanding – September 30, 2024 </td> <td style="white-space:pre-wrap;vertical-align:top;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 1,725,692 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">1.71</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> </tr> </table><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></div><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:justify;">Restricted Stock Awards Activity</p><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:justify;"> </p><div style="font-size:10pt;font-family:Times New Roman;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:justify;">The following summarizes the Company's employee RSA activity for the nine months ended September 30, 2024:</p><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:justify;"> </p> <table style="border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;"> <tr style="visibility:collapse;"> <td style="width:66.993%;box-sizing:content-box;"></td> <td style="width:1.1%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:13.403%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.58%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.923%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"> </p></td> <td style="vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"> </p></td> <td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;">Restricted Stock Awards Outstanding</p></td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New 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<td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;">Weighted-Average Grant-Date Fair Value</p></td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"> </p></td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">Outstanding - December 31, 2023</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New 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style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Granted </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> <span

style="min-width:fit-content;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 625,000 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">0.59</p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">Outstanding - September 30, 2024</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"> </p></td> <td style="border-top:0.5pt solid #000000;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="border-top:0.5pt solid #000000;white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">625,000</p></td> <td style="border-top:0.5pt solid #ffffff03;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"> </p></td> <td style="border-top:0.5pt solid #000000;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="border-top:0.5pt solid #000000;white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 0.59 </td> <td style="border-top:0.5pt solid #ffffff03;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> </table> Stock-Based Compensation Expense The Company recognized stock-based compensation expense in the condensed consolidated statement of operations and comprehensive loss as follows: <table style="border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;"><tr style="visibility:collapse;"><td style="width:50.34%;box-sizing:content-box;"></td> <td style="width:1.18%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.236%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.18%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.236%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.18%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.236%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.18%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.236%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:middle;border-bottom:0.5pt solid #000000;"> For the three months ended September 30, </td> <td style="vertical-align:middle;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:middle;border-bottom:0.5pt solid #000000;"> For the nine months ended September 30, </td> <td style="vertical-align:middle;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;"> (In thousands) </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Cost of revenue </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">11</p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 32 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">18</p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 70 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Research and development </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 40 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 323 </td> <td style="white-space:nowrap;vertical-align:bottom;"> <span style="min-width:fit-

content;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 72 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 910 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Sales and marketing </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 209 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 149 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 493 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 662 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> General and administrative </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 438 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,175 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,644 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 4,771 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Asset write-down and restructuring </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 4,395 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 4,395 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Total stock-based compensation expense </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">698</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 6,074 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 2,227 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-

align:left;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 10,808 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> </table> As of September 30, 2024, there was approximately $4.8 million of unrecognized stock-based compensation cost, which is expected to be recognized over a weighted average period of 2.6 years.</p>P4YP10Y50000002100000200000OP5YP10Y50000050000000P6M0.850<p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">The following summarizes the Company's stock option activity for the nine months ended September 30, 2024: </p><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p> <table style="border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;"> <tr style="visibility:collapse;"> <td style="width:29.586%;box-sizing:content-box;"></td> <td style="width:1.2%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:14.403%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.68%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:13.923%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.2%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:14.403%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.68%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:13.923%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"></p></td> <td style="vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"> </p></td> <td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;">Options Outstanding</p></td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"> </p></td> <td style="vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"> </p></td> <td colspan="2" style="vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"> </p></td> <td style="vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"> </p></td> <td style="vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"> </p></td> <td colspan="2" style="vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"> </p></td> <td style="vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"> </p></td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="vertical-align:bottom;text-align:left;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"> </p></td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;">Number of Shares</p></td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"> </p></td> <td style="vertical-align:bottom;text-align:left;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"> </p></td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;">Weighted Average Exercise Price</p></td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"> </p></td> <td style="vertical-align:bottom;text-align:left;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"> </p></td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;">Weighted-Average Remaining Contractual Term
(in years)</p></td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"> </p></td> <td style="vertical-align:bottom;text-align:left;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"> </p></td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;">Aggregate Intrinsic Value
(in thousands)</p></td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"> </p></td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">Outstanding – December 31, 2023</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">2,845,084</p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 9.82 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 7.2 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 91 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Granted </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 555,000 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1.77 </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Exercised </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> <span style="min-width:fit-

content;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> (109,722 </td> <td style="white-space:nowrap;vertical-align:bottom;">) </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 0.22 </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 164 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Cancelled </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (1,746,065 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;">) </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 11.22 </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Outstanding – September 30, 2024 </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 1,544,297 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">1.82</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">7.5</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 307 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Exercisable – December 31, 2023 </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,250,104 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">11.62</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">5.0</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 91 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Exercisable – September 30, 2024 </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 511,120 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 1.89 </td> <td style="white-space:nowrap;vertical-align:bottom;border-

bottom:2.25pt double #fffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 4.8 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #fffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 146 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #fffff03;"> </td> </tr>
</table>28450849.82P7DT4H910005550001.771097220.22164000174606511.2215442971.82P7Y6M307000125010411.62P5Y910005111201.89P4Y9M18D14600077355172225(
style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:justify;">The following summarizes the Company's RSU activity for the nine months ended September 30, 2024: <p
style="text-indent:6.667%;font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> <table style="border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;"> <tr
style="visibility:collapse;"> <td style="width:66.993%;box-sizing:content-box;"></td> <td style="width:1.1%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:13.403%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.58%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.923%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> <span
style="color:#000000;white-space:pre-wrap;font-weight:bold;min-width:fit-content;">Restricted Stock Units Outstanding </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> <span
style="white-space:pre-wrap;min-width:fit-content;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> <span
style="color:#000000;white-space:pre-wrap;font-weight:bold;min-width:fit-content;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2"
style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> Number of Shares </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #fffff03;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> Weighted-Average Grant-Date Fair Value </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #fffff03;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Outstanding – December 31, 2023 </td> <td style="white-space:pre-wrap;vertical-align:top;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,180,115 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $ </td> <td
style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 4.49 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#fffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Granted </td> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> </td> <td
style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,544,319 </td> <td
style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1.00 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Released </td> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> <span
style="min-width:fit-content;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> (<span
style="font-size:9pt;color:#000000;white-space:pre-wrap;min-width:fit-content;">297,945 </td> <td style="white-space:nowrap;vertical-align:bottom;"><p
style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">) </td>
<td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 3.79 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr
style="height:9pt;background-color:#fffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Cancelled </td> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (700,797 </td> <td
style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #fffff03;">) </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 3.95
</td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #fffff03;text-align:center;"> </td> </tr> <tr
style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Outstanding – September 30, 2024 </td> <td style="white-space:pre-wrap;vertical-align:top;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> </td>
<td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 1,725,692 </td> <td
style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #fffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td
style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> <span
style="font-size:9pt;color:#000000;white-space:pre-wrap;min-width:fit-content;">1.71 </td> <td style="white-space:nowrap;vertical-align:bottom;border-

bottom:2.25pt double #ffffff03;"> </td> </tr> </table> The following summarizes the Company's employee RSA activity for the nine months ended September 30, 2024: <table style="border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;"> <tr style="visibility:collapse;"> <td style="width:66.993%;box-sizing:content-box;"></td> <td style="width:1.1%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:13.403%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.58%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.923%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> Restricted Stock Awards Outstanding </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> Number of Shares </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> Weighted-Average Grant-Date Fair Value </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Outstanding – December 31, 2023 </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">—</p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"><p style="margin-left:10pt;text-indent:0;font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">Granted</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">625,000</p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 0.59 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Outstanding – September 30, 2024 </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="border-top:0.5pt solid #000000;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> </td> <td style="border-top:0.5pt solid #000000;white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 625,000 </td> <td style="border-top:0.5pt solid #ffffff03;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="border-top:0.5pt solid #000000;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $ </td> <td style="border-top:0.5pt solid #000000;white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 0.59 </td> <td style="border-top:0.5pt solid #ffffff03;white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr>
</table>11801154.491544431912979453.797007973.9517256921.716250000.596250000.59 The Company recognized stock-based compensation expense in the condensed consolidated statement of operations and comprehensive loss as follows: <table style="border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;"> <tr style="visibility:collapse;"> <td style="width:50.34%;box-sizing:content-box;"></td> <td style="width:1.18%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.236%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.18%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.236%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.18%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.236%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.18%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.236%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:middle;border-bottom:0.5pt solid #000000;"> For the three months ended September 30, </td> <td style="vertical-align:middle;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:middle;border-bottom:0.5pt solid #000000;"> For the nine months ended September 30, </td> <td style="vertical-align:middle;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;"> (In thousands) </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> <span style="white-space:pre-

wrap;min-width:fit-content;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Cost of revenue </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">11</p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 32 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">18</p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 70 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Research and development </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 40 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 323 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 72 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 910 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Sales and marketing </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 209 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 149 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 493 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 662 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> General and administrative </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 438 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,175 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,644 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 4,771 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Asset write-down and restructuring </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;">

</td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 4,395 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:right;">— </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 4,395 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Total stock-based compensation expense </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">698</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 6,074 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">2,227</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 10,808 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr>
</table>110003200018000700004000032300072000910000209000149000493000662000438000117500016440004771000439500043950006980006074000222700010808000400000;text-align:left;">7. Net Loss Per Share The following table sets forth the computation of the basic and diluted net loss per share attributable to common stockholders for the three and nine months ended September 30, 2024 and 2023:   <table style="border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;"> <tr style="visibility:collapse;"> <td style="width:50.34%;box-sizing:content-box;"></td> <td style="width:1.18%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.236%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.18%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.236%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.18%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.236%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.18%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.236%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:top;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:middle;border-bottom:0.5pt solid #000000;text-align:left;"> For the three months ended September 30, </td> <td style="vertical-align:middle;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:middle;border-bottom:0.5pt solid #000000;text-align:left;"> For the nine months ended September 30, </td> <td style="vertical-align:middle;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;"> (In thousands, except share and per share data) </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:middle;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td> <td style="vertical-align:middle;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:middle;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td> <td style="vertical-align:middle;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:middle;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td> <td style="vertical-align:middle;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:middle;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td> <td style="vertical-align:middle;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:9pt;background-color:#cff0fc;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:top;"> Numerator: </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> <span style="white-space:pre-wrap;min-width:fit-

content;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Net loss </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">(7,096</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">)</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> (28,981 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;">) </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">(79,117</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">)</p></td> </tr> <tr style="height:9pt;background-color:#cff0fc;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:top;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">Denominator:</p></td> <td style="vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td colspan="2" style="vertical-align:bottom;text-align:center;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"></p></td> <td style="vertical-align:bottom;text-align:center;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"> </p></td> <td style="vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td colspan="2" style="vertical-align:bottom;text-align:center;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"></p></td> <td style="vertical-align:bottom;text-align:center;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"> </p></td> <td style="vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td colspan="2" style="vertical-align:bottom;text-align:center;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"></p></td> <td style="vertical-align:bottom;text-align:center;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"> </p></td> <td style="vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td colspan="2" style="vertical-align:bottom;text-align:center;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"></p></td> <td style="vertical-align:bottom;text-align:center;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"> </p></td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"><p style="margin-left:10pt;text-indent:0;font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">Weighted average shares outstanding, basic and diluted</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New 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style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">25,706,023</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">26,018,708</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">25,563,895</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">Basic and diluted net loss per share</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> (0.27 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;">) </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">(1.13</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">)</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> (0.76 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;">) </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> (3.09 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;">) </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:9pt;margin-top:0;font-

family:Times New Roman;margin-bottom:0;text-align:left;">Anti-dilutive securities, excluded </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 12,007,398 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 12,473,978 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 12,007,398 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 12,473,978 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> </table> Basic and diluted net loss per share attributable to common stockholders is the same for the three and nine months ended September 30, 2024 and 2023, as the inclusion of potential shares of Common Stock would have been anti-dilutive for the periods presented. The following table sets forth the computation of the basic and diluted net loss per share attributable to common stockholders for the three and nine months ended September 30, 2024 and 2023:   <table style="border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;"> <tr style="visibility:collapse;"> <td style="width:50.34%;box-sizing:content-box;"></td> <td style="width:1.18%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.236%;box-sizing:content-box;"></td> <td style="width:1

align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> (19,648 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;">) </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">(79,117</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">)</p></td> </tr> <tr style="height:9pt;background-color:#cff0fc;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:top;"><p style="font-size:9pt;margin-top:0;font-family:Times New 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style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">25,706,023</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">26,018,708</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;">25,563,895</p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> </tr> <tr style="height:9pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;">Basic and diluted net loss per share</p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:9pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> (0.27 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;">) </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> (3.09 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;">) </td> </tr> <tr style="height:9pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Anti-dilutive securities, excluded </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 12,007,398 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 12,007,398 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 12,473,978 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 12,007,398 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> <span style="font-size:9pt;color:#000000;white-space:pre-wrap;min-width:fit-

content;">12,473,978 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> </table>-7096000-28981000-19648000-7911700026177413261774132577060232570602326018708260187082556389525563895-0.27-0.27-1.13-1.13-0.76-0.76-3.09-3.09120073981247397812007398124737978 8. Income Taxes To determine the Company's quarterly provision for income taxes, the Company used an estimated annual effective tax rate that is based on expected annual income and statutory tax rates in the various jurisdictions in which the Company operates. Certain significant unusual or infrequently occurring items that are separately reported are separately recognized in the quarter during which they occur and can be a source of variability in the effective tax rate from quarter to quarter. The Company had no significant income tax expense for the three and nine months ended September 30, 2024 and 2023. The provision for income taxes for the three months ended September 30, 2024 and 2023 is based on the Company's estimated annualized effective tax rate for the fiscal years ending December 31, 2024 and 2023, respectively. For the three and nine months ended September 30, 2024, the Company's recognized effective tax rate differs from the U.S. federal statutory rate as the Company recorded net losses during the period with a corresponding full valuation allowance on the net deferred tax assets created from the losses. 0000 9. Commitments and Contingencies Legal Proceedings The Company has been and may in the future be involved in various claims, lawsuits, investigations and other proceedings in the normal course of business. The Company accrues a liability when management believes information available prior to the issuance of its financial statements indicates it is probable a loss has been incurred as of the date of the financial statements and the amount of loss can be reasonably estimated. The Company adjusts its accruals to reflect the impact of negotiation, settlements, rulings, advice of legal counsel and other information and events pertaining to a particular case. Legal costs are expensed as incurred. The Company has not recorded any material loss contingency related to legal proceedings in the balance sheets as of September 30, 2024 and December 31, 2023, respectively. Indemnifications In the ordinary course of business, the Company provides or may provide indemnifications of varying scope and terms to investors, directors, officers, employees, customers or vendors with respect to certain matters, including losses arising out of the Company's breach of such agreements, services to be provided by the Company or from intellectual property infringement claims made by third parties. These indemnifications may survive termination of the underlying agreement and the maximum potential amount of future payments the Company could be required to make under these indemnification provisions may not be subject to maximum loss clauses. The maximum potential amount of future payments the Company could be required to make under these indemnification provisions is indeterminable. As of September 30, 2024 and December 31, 2023, the Company has not accrued a liability for these indemnification obligations as the likelihood of incurring a material payment obligation in connection with these indemnification obligations is either not probable or not reasonably estimable. 10. Segment Information The Company's Chief Executive Officer ("CEO") is the Chief Operating Decision Maker ("CODM"). The CODM allocates resources and makes operating decisions based on financial information presented on a consolidated basis. The CODM does not evaluate profitability below the level of the consolidated company. Accordingly, the Company has determined that it has a single reportable segment and operating segment structure.   The Company's revenue is derived primarily from U.S. customers. The Company had $1.1 million and $2.0 million of revenue earned from customers located outside the United States during the three and nine months ended September 30, 2023, respectively. All long-lived assets are maintained in the United States. All losses are attributable to operations within the United States. 110000020000000 11. Subsequent Events On October 31, 2024, the Company entered into a Securities Purchase Agreement with an accredited investor pursuant to which the Company agreed to (a) issue and sell 2,790,700 shares of Common Stock in a registered offering and (b) issue and sell warrants to purchase up to 2,790,700 shares of Common Stock in a private placement. Each share was sold with one common warrant at a combined purchase price of $2.15. Also on October 31, 2024, the Company entered into a separate Securities Purchase Agreement with the Company's Chief Executive Officer and certain other members of the Board of Directors in which it agreed to issue and sell in a private placement (a) 430,105 shares of Common Stock at a price of $2.20 per share and (b) warrants to purchase up to 430,105 shares of Common stock at a price of $0.125 per warrant. The Company will receive approximately $7 million in gross proceeds from the Registered Offering and private placements combined. All warrants issued in conjunction with these offerings have an exercise price of $2.30 per share, will become exercisable six months from issuance and will expire five and one-half years from the date of issuance. The transactions closed on November 1, 2024. A.G.P. / Alliance Global Partners acted as the placement

agent in connection with the Registered Offering and the private placements. A.G.P. was paid a commission of 7% on the gross proceeds received by the Company in the offerings for sales they arranged. The Company reimbursed A.G.P. $50,000 for certain fees and expenses, including legal fees, and paid a non-accountable expense allowance of $10,000.
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