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UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

FORM 10-Q

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

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 001-36548

ATARA BIOTHERAPEUTICS, INC. (Exact Name of Registrant as Specified in its Charter)

Delaware 46-0920988 (State or Other Jurisdiction of Incorporation or Organization)

(I.R.S. Employer Identification No.)

2380 Conejo Spectrum Street, Suite 200

Thousand Oaks, CA 91320 (Address of Principal Executive Offices)

(Zip Code)

Registrant's Telephone Number, Including Area Code: (805) 623-4211

AT Securities registered pursuant to Section 12(b) of the Act:

Title of Each Class

Trading Symbol(s)

Name of Each Exchange on Which Registered

Common Stock, par value \$0.0001 per share

ATRA

The Nasdaq Stock Market LLC 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 No

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 (17 CFR 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 No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "non-accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer

Accelerated filer

Non-accelerated filer

Smaller reporting company

Emerging growth company

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.

Indicate by check mark whether the Registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes No

The number of outstanding shares of the Registrant's Common Stock as of November 6, 2024 was 5,759,750 shares.

ATARA BIOTHERAPEUTICS, INC. INDEX

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Item 1. Financial Statements (Unaudited)

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Condensed Consolidated Statements of Cash Flows

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Item 1. Legal Proceedings

Item 1A. Risk Factors

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Signatures

NOTE REGARDING FORWARD-LOOKING STATEMENTS

This Quarterly Report on Form 10-Q contains forward-looking statements within the meaning of the safe harbor provisions of the U.S. Private Securities Litigation Reform Act of 1995. Such forward-looking statements, which represent our intent, belief or current expectations, involve risks and uncertainties and other factors that could cause actual results and the timing of certain events to differ materially from future results expressed or implied by such forward-looking statements. In some cases, you can identify these statements by forward-looking words such as "believe," "may," "will," "estimate," "continue," "anticipate," "intend," "could," "would," "project," "predict," "plan," "expect" or the negative or plural of these words or similar expressions. The forward-looking statements include, but are not limited to, statements about: our expectations regarding the timing of initiating clinical studies, opening client sites, enrolling clinical studies and reporting results of clinical studies for our programs, including our ATA3219 program; the likelihood and timing of regulatory submissions or related approvals for our product candidates, including the expectations about the timing of approvals for a biologics license application (BLA) for tab-cel<sup>®</sup> for patients with Epstein-Barr virus with post-transplant lymphoproliferative disease (EBV+ PTLD); the potential indications for our product and product candidates; commercialization of tab-cel (Ebv<sup>®</sup>, in the United Kingdom (UK), the European Economic Area (EEA) and Switzerland) worldwide and our amended and restated Commercialization Agreement with Pierre Fabre Medicament, including potential milestone and royalty payments under the agreement (Ebvallo in the UK, the EEA and Switzerland subject to the Purchase and Sale Agreement with HCR Molag Fund, L.P.); our Purchase and Sale Agreement and related transactions with HCR Molag Fund, L.P.; our Commercial Manufacturing Services Agreement with Charles River Laboratories, Inc. (CRL) and other agreements we may enter into with CRL, including our ability to enter into a new drug supply agreement with CRL on terms favorable or acceptable to us, or at all; our Master Services and Supply Agreement and related transactions with FUJIFILM Diosynth Biotechnologies California, Inc.; our expectations regarding the potential commercial market opportunities, market size and the size of the patient populations for our product and product candidates; estimates of our expenses, capital requirements and need for additional financing; our expectation regarding the length of time that our existing capital resources will be sufficient to enable us to fund our planned operations, including our going concern assessment; our ability to enter into favorable commercialization arrangements with third parties to commercialize our product candidates; our ability to develop, acquire and advance product candidates into, and successfully complete, clinical studies; the initiation, timing, costs, progress and results of future preclinical studies and clinical studies and our research and development programs; our ability to enter into and maintain contracts with clinical research organizations, contract manufacturing organizations (CMOs) and other vendors for clinical and preclinical studies, supplies and other services; the scope of protection we are able to obtain and maintain for the intellectual property rights covering our product and product candidates; our financial performance; our election to rely on reduced reporting and disclosure requirements available to smaller reporting companies; developments and projections relating to our competitors and our industry; our ability to have our product and product candidates manufactured for our clinical studies or for commercial sale, including at commercially reasonable values; the impact of public health emergencies, such as COVID-19, to our business and operations, as well as the businesses and operations of third parties on which we rely; the impact of our workforce reductions on our ability to attract, retain and motivate qualified personnel and on our business, operations, and financial condition; the timing and costs related to the qualification of the manufacturing facilities of our CMOs for commercial production. These statements are only current predictions and are subject to known and unknown risks, uncertainties, including, without limitation, risks and uncertainties associated with the costly and time-consuming pharmaceutical product development process and the uncertainty of clinical success; the sufficiency of our cash resources and need for additional capital; and other factors that may cause our or our industry's actual results, levels of activity, performance or achievements to be materially different from those anticipated by the forward-looking statements. We discuss many of these risks in this report in greater detail under the heading "1A. Risk Factors" and elsewhere in this report. You should not rely upon forward-looking statements as predictions of future events. New risk factors and uncertainties may emerge from time to time, and it is not possible for management to predict all risks and uncertainties. In this Quarterly Report on Form 10-Q, unless the context requires otherwise, "Atara," "Atara Biotherapeutics," "Atara Company," "we," "our," and "us" means Atara Biotherapeutics, Inc. and, where appropriate, its subsidiaries. Summary Risk Factors Our business is subject to numerous risks and uncertainties that may have a material adverse effect on our business, financial condition or results of operations. These risks are more fully described under the heading "1A. Risk Factors" and elsewhere in this report and include, among others: we have incurred substantial losses since our inception and anticipate that we will continue to incur substantial losses for the foreseeable future; we have earned limited commercialization revenues to date, and we may never achieve profitability; we have one approved product, Ebvallo, in the EEA, the UK and Switzerland. We are generally early in our development efforts and have only one product candidate in clinical development, and all of our other product candidates are still in preclinical development. If we or our collaborators are unable to successfully develop, manufacture and commercialize our product or product candidates or experience significant delays in doing so, our business may be materially harmed; we will require substantial additional financing on terms acceptable to us to achieve our goals, and a failure to obtain this necessary capital when needed could force us to delay, limit, reduce or terminate our product development or manufacturing efforts; our future success depends on our ability to retain our executive officers and to attract, retain and motivate qualified personnel; the results of preclinical studies or earlier clinical studies are not necessarily predictive of future results, and our existing product candidates in clinical studies, and any other product candidates we advance into clinical studies may not have favorable results in later clinical studies or receive regulatory approval; clinical drug development involves a lengthy and expensive process with an uncertain outcome; our T-cell immunotherapy product and product candidates and our next-generation CAR T programs represent new therapeutic approaches that could result in heightened regulatory scrutiny, delays in clinical development or our inability to achieve regulatory approval, commercialization or payor coverage of our product candidates; there can be no assurance that we will achieve all of the anticipated benefits of the Fujifilm Transaction and we could face unanticipated challenges; the market opportunities for our product and product candidates may be limited to those patients who are ineligible for or have failed prior treatments and may be small; we may not be able to obtain or maintain orphan drug exclusivity for our product candidates; the proposed revision of the European legislation on pharmaceuticals could lead to uncertainties over the regulatory framework that will be applicable to medicinal products in the EU, including orphan medicinal products; the we have been affected by and could be adversely affected in the future by the effects of health epidemics and pandemics, such as the COVID-19 pandemic, which could materially and adversely affect our business and operations in the future, as well as the businesses and operations of third parties on which we rely; if we are unable to obtain and maintain sufficient intellectual property protection for our product candidates, or if the scope of the intellectual property protection is not sufficiently broad, our ability to commercialize our product candidates successfully and to compete effectively may be adversely affected; our principal stockholders own a significant percentage of our stock and will be able to exert control or significant influence over matters subject to stockholder approval; we qualify as a "smaller reporting company" and a "non-accelerated filer," and any decision on our part to comply only with certain reduced reporting and disclosure requirements applicable to such companies could make our stock less attractive to investors; our workforce reductions may not result in anticipated savings, could result in total costs and expenses that are greater than expected and could disrupt our business; and maintaining clinical and commercial timelines is dependent on our end-to-end supply chain network to support manufacturing; if we experience problems with our third party suppliers or CMOs, development and/or commercialization of our product and product candidates may be adversely affected. 5 Atara Biotherapeutics, Inc. Condensed

[illegible]

and technology from the Council of the Queensland Institute of Medical Research (QIMR Berghofer). See Note 8 for further information.We and FUJIFILM Diosynth Biotechnologies California, Inc. (FDB) entered into a Master Services and Supply Agreement and related Statements of Work (collectively, the Fujifilm MSA), which became effective in April 2022 and could extend for up to ten years. Pursuant to the Fujifilm MSA, FDB will supply us with specified quantities of our cell therapy product candidates and any products approved by regulatory authorities, manufactured in accordance with cGMP standards. See Note 8 for further information.

2.Summary of Significant Accounting Policies Basis of PresentationThe accompanying unaudited interim condensed consolidated financial statements include the accounts of Atara and its wholly owned subsidiaries and have been prepared in accordance with U.S. generally accepted accounting principles (U.S. GAAP) and the requirements of the Securities and Exchange Commission (SEC) for interim reporting. As permitted under those rules, certain footnotes or other financial information that are normally required by U.S. GAAP can be condensed or omitted. These unaudited interim condensed consolidated financial statements should therefore be read in conjunction with the audited consolidated financial statements and notes for the year ended December 31, 2023, included in the Company’s Annual Report on Form 10-K filed with the SEC on March 28, 2024. In the opinion of management, the condensed consolidated financial statements reflect all adjustments, consisting only of normal recurring adjustments, which are necessary for a fair presentation of the Company’s condensed consolidated financial statements. The results of operations for any interim period are not necessarily indicative of the results to be expected for the full year or any other future period. The condensed consolidated balance sheet as of December 31, 2023 has been derived from audited consolidated financial statements at that date but does not include all of the information required by U.S. GAAP for complete consolidated financial statements. 10

June 2024 Reverse Stock SplitAt our annual meeting of stockholders held on June 10, 2024, the stockholders of Atara approved a proposal to authorize our Board of Directors (the Board) to amend our Amended and Restated Certificate of Incorporation to effect a reverse stock split. The Board approved the reverse stock split on June 10, 2024 and, on June 20, 2024, we effected a 1-for-25 reverse stock split of our common stock. The par value and the authorized shares of the common stock were not adjusted as a result of the reverse stock split. All equity related information including per share amounts for all periods presented in these condensed consolidated financial statements and the notes thereto have been adjusted retroactively, where applicable, to reflect the effect of this reverse stock split.Liquidity RiskWe have incurred significant operating losses since inception and have relied primarily on public and private equity financings and receipts from commercialization and license and collaboration agreements to fund our operations. As we continue to incur losses, our transition to profitability will depend on the successful development, approval and commercialization of product candidates and on the achievement of sufficient revenues to support our cost structure. We may never achieve sustained operating cash inflows or profitability. Going ConcernWe have incurred operating losses since inception and we expect that existing cash, cash equivalents and short-term investments as of September 30, 2024, will not be sufficient to fund our planned operations for at least 12 months from the date of issuance of these condensed consolidated financial statements. Although we anticipate the receipt of certain payments from the amended and restated Pierre Fabre Commercialization Agreement in 2025, such payments are contingent upon the approval of the tab-cel BLA, which is dependent upon the completion of specific development and regulatory activities by us and actions taken by third parties, and are, therefore, uncertain at this time. To alleviate the conditions that raise substantial doubt about our ability to continue as a going concern, we plan to secure additional capital, potentially through a combination of public or private security offerings; use of our ATM facility as described in Note 9; and/or strategic transactions. We may need to raise additional funding as required based on the status of our development programs and our projected cash flows. Although we have been successful in raising capital in the past, and expect to continue to raise capital as required, there is no assurance that we will be successful in obtaining sufficient funding on terms acceptable to us to fund continuing operations, if at all, or identify and enter into any strategic transactions that will provide the capital that we will require. If we are unable to obtain sufficient funding on acceptable terms, we could be forced to delay, limit, reduce or terminate preclinical studies, clinical studies or other development activities for one or more of our product candidates, which could have a material adverse effect on our business, results of operations, and financial condition. Accordingly, we have concluded that substantial doubt exists with respect to our ability to continue as a going concern for at least 12 months after the issuance of the accompanying condensed consolidated financial statements. The condensed consolidated financial statements do not include any adjustments that might result from the outcome of this uncertainty.Use of Estimates The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates, assumptions and judgments that affect the amounts reported in the financial statements and accompanying notes. Significant estimates relied upon in preparing these financial statements include estimates related to revenue recognition, accrued research and development expenses, stock-based compensation expense, income taxes and the liability related to the sale of future revenues. Actual results could differ materially from those estimates. Recent Accounting PronouncementsWe consider the applicability and impact of any recent Accounting Standards Update (ASU) issued by the Financial Accounting Standards Board (FASB). Other than the ASUs listed below, all other ASUs were assessed and determined to be either not applicable to Atara or are expected to have minimal impact on our condensed consolidated financial statements. 11

In November 2023, the FASB issued ASU 2023-07, Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures. The amendment requires disclosure of significant segment expenses that are regularly provided to the chief operating decision maker and included within each reported measure of segment profit or loss, an amount and description of its composition for other segment items, and interim disclosures of a reportable segment’s profit or loss and assets. Additionally, all disclosure requirements under the guidance are required for public entities with a single reportable segment and are to be applied retrospectively to all periods presented. We will adopt the amendments effective for the fiscal year ending December 31, 2024, and for interim periods within fiscal years beginning January 1, 2025. The adoption of ASU 2023-07 will not have a material impact on our consolidated financial statements and will consist of the inclusion of additional disclosures related to our single reportable segment in the notes to the consolidated financial statements. The amendments in this update do not affect the recognition, measurement or financial statement presentation of expenses. In December 2023, the FASB issued ASU No. 2023-09 Income Taxes (Topic 740): Improvements to Income Tax Disclosures, which requires enhancements to certain income tax disclosures, most notably the income tax rate reconciliation and income taxes paid. We will adopt the amendments effective for the fiscal year ending December 31, 2025. We do not expect the adoption of this standard will have a material impact on our disclosures.3.Net Loss per Common ShareBasic net loss per common share is calculated by dividing net loss by the weighted-average number of shares of common stock and pre-funded warrants outstanding during the period, without consideration of common share equivalents. Diluted net loss per common share is computed by dividing net loss by the weighted-average number of shares of common stock, pre-funded warrants and common share equivalents outstanding for the period. The pre-funded warrants are included in the computation of basic and diluted net loss per common share as the exercise price is negligible and the pre-funded warrants are fully vested and exercisable. Common share equivalents are only included in the calculation of diluted net loss per common share when their effect is dilutive. Potential dilutive securities, which include unvested restricted stock units (RSUs), unvested performance-based RSUs and performance-based options to purchase common stock for which established performance criteria have been achieved as of the end of the respective periods, vested and unvested options to purchase common stock and shares to be issued under our employee stock purchase plan (ESPP), have been excluded from the computation of diluted net loss per common share as the effect is antidilutive. Therefore, the denominator used to calculate both basic and diluted net loss per common share is the same in all periods presented. The following table represents the potential common shares issuable pursuant to outstanding securities as of the related period end dates that were excluded from the computation of diluted net loss per common share, as their inclusion would have an antidilutive effect:

|                             | As of September 30, 2024 | As of December 31, 2023 |
|-----------------------------|--------------------------|-------------------------|
| Unvested RSUs               | 495,996                  | 338,244                 |
| Vested and unvested options | 263,788                  | 491,521                 |
| ESPP share purchase rights  | 34,511                   | 18,942                  |
| Total                       | 794,295                  | 848,707                 |

4.Financial InstrumentsOur financial assets are measured at fair value on a recurring basis using the following hierarchy to prioritize valuation inputs, in accordance with applicable U.S. GAAP: Level 1: Quoted prices in active markets for identical assets or liabilities that we have the ability to access. Level 2: Observable market-based inputs or unobservable inputs that are corroborated by market data such as quoted prices, interest rates and yield curves.Level 3: Inputs that are unobservable data points that are not corroborated by market data.We review the fair value hierarchy classification on a quarterly basis. Changes in the ability to observe valuation inputs may result in a reclassification of levels of certain securities within the fair value hierarchy. We recognize transfers into and out of levels within the fair value hierarchy in the period in which the actual event or change in circumstances that caused the transfer occurs. There have been no transfers between Level 1, Level 2 and Level 3 in any periods presented. 12

Financial assets and liabilities are considered Level 2 when their fair values are determined using inputs that are observable in the market or can be derived principally from or corroborated by observable market data such as pricing for similar securities, recently executed transactions, cash flow models with yield curves, and benchmark securities. In addition, Level 2 financial instruments are valued using comparisons to like-kind financial instruments and models that use readily observable market data as their basis. U.S. Treasury, government agency and corporate debt obligations, commercial paper and asset-backed securities are valued primarily using market prices of comparable securities, bid/ask quotes, interest rate yields and prepayment spreads and are included in Level 2.Financial assets and liabilities are considered Level 3 when their fair values are determined using pricing models, discounted cash flow methodologies, or similar techniques, and at least one significant model assumption or input is unobservable. We have no Level 3 financial assets or liabilities. The following tables summarize the estimated fair value and related valuation input hierarchy of our available-for-sale securities as of each period end:

|                          | Total                    | Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Total                                                                                                                                                                                                                                                                                                                               | Amortized                                    | Unrealized    | Unrealized                | Estimated                                                                                                       |
|--------------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------|---------------------------|-----------------------------------------------------------------------------------------------------------------|
|                          | As of September 30, 2024 | Input Level 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Cost                                                                                                                                                                                                                                                                                                                                | Gain                                         | Loss          | Fair Value                | (in thousands)                                                                                                  |
| Money market funds       | Level 1                  | \$ 23,334                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | \$ 3,462                                                                                                                                                                                                                                                                                                                            | \$ 2,000                                     | \$ 23,334     | \$ 23,334                 | U.S. Treasury obligations                                                                                       |
| Level 2                  | \$ 40,472                | \$ 24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | \$ 40,496                                                                                                                                                                                                                                                                                                                           | Corporate debt obligations                   | Level 2       | \$ 1,497                  | \$ 1,497                                                                                                        |
| (2)                      | \$ 1,495                 | Commercial paper                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Level 2                                                                                                                                                                                                                                                                                                                             | \$ 495                                       | \$ 46         | \$ 495                    | Total available-for-sale securities                                                                             |
| (2)                      | \$ 65,820                | Less: amounts classified as cash equivalents                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (45,077)                                                                                                                                                                                                                                                                                                                            | (7)                                          | \$ 46         | (45,084)                  | Amounts classified as short-term investments                                                                    |
| \$ 20,721                | \$ 17                    | (2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | \$ 20,736                                                                                                                                                                                                                                                                                                                           | Total                                        | Total         | Total                     | Total                                                                                                           |
| Amortized                | Unrealized               | Unrealized                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Estimated                                                                                                                                                                                                                                                                                                                           | As of December 31, 2023                      | Input Level 1 | Cost                      | Gain                                                                                                            |
| (in thousands)           | Money market funds       | Level 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | \$ 14,376                                                                                                                                                                                                                                                                                                                           | \$ 46                                        | \$ 14,376     | U.S. Treasury obligations | Level 2                                                                                                         |
| 1                        | \$ 9,928                 | Corporate debt obligations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Level 2                                                                                                                                                                                                                                                                                                                             | \$ 26,089                                    | (205)         | \$ 25,884                 | Total available-for-sale securities                                                                             |
| \$ 50,393                | \$ 1,495                 | (205)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | \$ 50,189                                                                                                                                                                                                                                                                                                                           | Less: amounts classified as cash equivalents | (24,304)      | (1)                       | \$ 24,305                                                                                                       |
| \$ 50,393                | \$ 50,189                | Maturing in one to five years                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | \$ 26,089                                                                                                                                                                                                                                                                                                                           | \$ 46                                        | (205)         | \$ 25,884                 | The amortized cost and fair value of our available-for-sale securities by contractual maturity were as follows: |
| As of September 30, 2024 | As of December 31, 2023  | Amortized                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Estimated                                                                                                                                                                                                                                                                                                                           | Amortized                                    | Estimated     | Cost                      | Fair Value                                                                                                      |
| As of September 30, 2024 | As of December 31, 2023  | (in thousands)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (in thousands)                                                                                                                                                                                                                                                                                                                      | Maturing within one year                     | \$ 65,798     | \$ 65,820                 | \$ 50,393                                                                                                       |
| \$ 50,393                | \$ 50,189                | We considered the current and expected future global economic and market conditions, including, but not limited to, the wars in Ukraine and the Middle East and increased tensions between the U.S. and China, and determined that our investments have not been significantly impacted. As of September 30, 2024, no significant facts or circumstances were present to indicate a deterioration in the creditworthiness of the issuers of the available-for-sale securities we hold, and we have no requirement or intention to sell these securities before maturity or recovery of their amortized cost basis. For all securities with a fair value less than its amortized cost basis, we determined the decline in fair value below amortized cost basis to be non-credit related and no allowance for losses has been recorded. During the three and nine months ended September 30, 2024 and 2023, we did not recognize any impairment losses on our investments. 13 | We have elected the practical expedient to exclude the applicable accrued interest from both the fair value and the amortized cost basis of our available-for-sale securities for purposes of identifying and measuring an impairment. We present accrued interest receivable related to our available-for-sale securities in other |                                              |               |                           |                                                                                                                 |

current assets, separate from short-term investments, on our condensed consolidated balance sheet. As of September 30, 2024 and December 31, 2023, accrued interest receivable was \$0.1 million and \$0.3 million, respectively. We have not written off any accrued interest receivables during the three and nine months ended September 30, 2024 and 2023. In addition, restricted cash collateralized by money market funds is a financial asset measured at fair value and is a Level 1 financial instrument under the fair value hierarchy. The following table provides a reconciliation of cash, cash equivalents and restricted cash within the condensed consolidated balance sheets that sum to the total of the same such amounts in the condensed consolidated statement of cash flows: A A September 30, A A December 31, A A A 2024 A A 2023 A A A (in thousands) A Cash and cash equivalents A \$ 46,453 A A \$ 25,841 A Restricted cash A A 146 A A 146 A Total cash, cash equivalents and restricted cash A \$ 46,599 A A \$ 25,987 A A 5. Out-license Agreements Pierre Fabre Agreements In October 2021, we entered into the Pierre Fabre Commercialization Agreement, pursuant to which, we granted to Pierre Fabre an exclusive, field-limited license to commercialize and distribute Ebvallo in Europe and select emerging markets in the Initial Territory following regulatory approval. In September 2022, we entered into Amendment No. 1 to the Pierre Fabre Commercialization Agreement (the PF Amendment). Under the terms of the PF Amendment, following EC approval of Ebvallo for EBV+ PTLTD and subsequent filing of the Marketing Authorization Application (MAA) transfer to Pierre Fabre, we received an additional \$30 million milestone payment in exchange for, among other things, a reduction in: (i) royalties we are eligible to receive as a percentage of net sales of tab-cel (Ebvallo) in the Initial Territory, and (ii) the supply price mark up on tab-cel purchased by Pierre Fabre. Additionally, we agreed to extend the time period for provision of certain services to Pierre Fabre in the Initial Territory at our cost pursuant to the Pierre Fabre Commercialization Agreement. In December 2022, we sold a portion of our right to receive royalties and certain milestone payments related to Ebvallo in the Initial Territory under the Pierre Fabre Commercialization Agreement to HCRx for a total investment amount of \$31.0 million, subject to a repayment cap between 185% and 250% of the total investment amount by HCRx. See Note 6 for further information related to the agreement with HCRx. In October 2023, we entered into the A&R Commercialization Agreement with Pierre Fabre. Pursuant to the A&R Commercialization Agreement, Pierre Fabre A A s exclusive rights to research, develop, manufacture, commercialize and distribute tab-cel were expanded to include the Additional Territory in addition to the Initial Territory, subject to our performance of certain obligations as described below. Pierre Fabre paid us an upfront cash payment of \$45.0 million for the exclusive license grant for the Initial Territory in the fourth quarter of 2021. In December 2022, we met the contractual right to receive \$40.0 million in milestone payments upon certain regulatory milestones, for which the cash was received in January 2023. Subject to the terms of the royalty purchase agreement with HCRx, as described in Note 6, we are entitled to receive an aggregate of up to \$308.0 million in remaining milestone payments upon achieving certain regulatory and commercial milestones in addition to double-digit tiered royalties as a percentage of net sales of Ebvallo in the Initial Territory, until the later of 12 years after the first commercial sale in each such country, the expiration of specified patent rights, or the expiration of all regulatory exclusivity for Ebvallo on a country-by-country basis. In December 2023, upon the effective date of the A&R Commercialization Agreement, we met the contractual right to receive an additional upfront cash payment of \$20.0 million for the expanded exclusive license grant in the Additional Territory, for which the cash was received in January 2024. In March 2024, we met the contractual right to receive \$20.0 million in milestone payments upon achieving a regulatory milestone, for which the cash was received in April 2024. In July 2024, we met the contractual right to receive an additional \$20.0 million in milestone payments upon achieving acceptance of our biologics license application (BLA) for tab-cel by the United States Food and Drug Administration (FDA) and we received the cash in August 2024. We will also be entitled to receive an aggregate of up to \$580.0 million in additional payments upon achieving certain regulatory and commercial milestones relating to tab-cel in the Additional Territory. We will be eligible to receive double-digit tiered royalties as a percentage of net sales of tab-cel in the Additional Territory until the later of 12 years after the first commercial sale in each such country, the expiration of specified patent rights in each such country, or the expiration of all regulatory exclusivity for tab-cel on a country-by-country basis. 14 A We have entered into a separate manufacturing and supply agreement with Pierre Fabre for us to manufacture Ebvallo for Pierre Fabre to use in the Initial Territory based on a fixed price through December 31, 2023 and at a price equal to cost plus a margin for orders placed after December 31, 2023, subject to a maximum annual increase. Pierre Fabre will assume the responsibility and cost for the manufacture and supply of tab-cel (Ebvallo) in the Territory upon the Manufacturing Transition Date, which is defined as the earlier of: i) all activities relating to the transfer of tab-cel manufacturing, pursuant to the A&R Commercialization Agreement, from Atara to Pierre Fabre have been completed to the reasonable satisfaction of both parties, or ii) December 31, 2025, through the remainder of the term of the A&R Commercialization Agreement. Pierre Fabre and we are to use commercially reasonable efforts to achieve this prior to the earlier transfer date from Atara to Pierre Fabre of the first marketing authorization in the Additional Territory or the first BLA (PF Transfer Date). Prior to the Manufacturing Transition Date, we are responsible for manufacturing and supplying tab-cel (Ebvallo) to Pierre Fabre in the Territory. Without transfer of the manufacturing technology, no other party can manufacture tab-cel (Ebvallo). In August 2024, we sold certain intermediates used in the manufacture of Ebvallo to Pierre Fabre for \$15.5 million, transferring title and risk of loss to these intermediates in advance of the Manufacturing Transition Date, which guarantees Pierre Fabre supply and control of intermediates to be used in the production of Ebvallo. We received payment for these intermediates in September 2024. Cell selection is the process of identifying the appropriate cell line from available tab-cel inventory to be used for a patient. We are responsible for the performance of cell selection services in the Initial Territory at our cost through the earlier of the PF Transfer Date, June 30, 2025 or a date otherwise agreed to by Pierre Fabre and us. To the extent that the transfer of cell selection technology occurs subsequent to June 30, 2025, we will be responsible for the performance of cell selection services in the Initial Territory at Pierre Fabre A A s cost until cell selection technology is transferred to Pierre Fabre. Without transfer of the cell selection technology, no other party can provide such services. We are responsible for the performance of cell selection services in the Additional Territory through the earlier of the PF Transfer Date or a date otherwise agreed to by Pierre Fabre and us, at the sole expense of Pierre Fabre. As part of the Pierre Fabre Commercialization Agreement, we formed a joint steering committee (JSC) with Pierre Fabre that provides oversight, decision making and implementation guidance regarding the commercialization activities, the responsibilities of which has been expanded to cover the incremental scope of the A&R Commercialization Agreement. During the applicable period specified in the A&R Commercialization Agreement, we are responsible for various development, safety, process science, and regulatory activities, including obtaining regulatory approval in the United States for tab-cel for EBV-associated post-transplant lymphoproliferative disease. Pierre Fabre will pay us for these services in accordance with the A&R Commercialization Agreement. Pierre Fabre will be responsible, at its cost, for obtaining and maintaining all other required regulatory approvals and for commercialization and distribution of tab-cel in the Additional Territory, including conducting any other clinical study required. We will own any intellectual property rights developed solely by us under the A&R Commercialization Agreement. Accounting Analysis Identification of the Contract We assessed this arrangement in accordance with ASC 606 and concluded that the promises in the A&R Commercialization Agreement represent transactions with a customer. Identification of the Promises and Performance Obligations We identified four performance obligations under the A&R Commercialization Agreement, consisting of the following material promises: (1) the transfer of intellectual property rights in the form of a license in the Initial Territory, the obligation to participate in the JSC, the manufacture and supply of Ebvallo, a material right for purchases associated with the manufacture and supply of Ebvallo, and the performance of cell-selection services. We concluded that the individual promises are not distinct because Pierre Fabre cannot benefit from the license without the other services and vice versa, since Pierre Fabre is not capable of carrying out the manufacturing and supply and cell selection services on their own, until the transfer of the related technologies occur. Consequently, these promises represent a single performance obligation, collectively referred to as the Initial Territory Obligation. (2) the transfer of intellectual property rights in the form of a license in the Additional Territory, the manufacture and supply of tab-cel and the performance of cell-selection services, as well as the promises to transfer the related technologies, and perform certain development, safety, regulatory and information technology transition services. 15 A We concluded that the promises are not distinct because Pierre Fabre cannot benefit from the license without the other services and vice versa. Consequently, these promises represent a single performance obligation, collectively referred to as the Additional Territory Obligation. (3) performance of certain process science services, referred to as the Process Sciences Obligation. (4) the sale of certain intermediate inventory used in the production of tab-cel in existence on the Manufacturing Transition Date, referred to as the Intermediate Inventory Obligation. Determination of the Transaction Price Under the Pierre Fabre Commercialization Agreement, we determined that the \$45.0 million upfront payment constituted the entire consideration to be included in the transaction price at the outset of the arrangement, and the \$40.0 million in regulatory milestones achieved in December 2022 were added to the transaction price upon meeting the related milestone criteria. The remaining potential regulatory and commercial milestone payments that we are eligible to receive were excluded from the transaction price, as the milestone amounts were fully constrained based on the probability of achievement or have not been earned. None of the future royalty and sales-based milestone payments were included in the transaction price, as the potential payments represent sales-based consideration. We reevaluate the transaction price at the end of each reporting period and as uncertain events are resolved or other changes in circumstances occur, and, as necessary, we adjust our estimate of the transaction price. Upon the effective date of the A&R Commercialization Agreement, the \$20.0 million additional upfront payment received and estimated revenue for the development, safety, regulatory and process science services were added to the transaction price, and the \$20.0 million regulatory milestone achieved in March 2024 and the \$20.0 million regulatory milestone achieved in July 2024 were added to the transaction price upon meeting the related milestone criteria. The remaining potential regulatory and commercial milestone payments that we are eligible to receive were excluded from the transaction price, as the milestone amounts were fully constrained based on the probability of achievement or have not been earned. None of the future royalty and sales-based milestone payments were included in the transaction price, as the potential payments represent sales-based consideration. Allocation of the Transaction Price to Performance Obligations The transaction price was allocated to each performance obligation based on their relative standalone selling price. We developed the estimated standalone selling price for each of the A&R Commercialization Agreement performance obligations with the objective of determining the price at which we would sell such an item if it were to be sold regularly on a standalone basis. Recognition of Revenue Commercialization revenue associated with the Initial Territory Obligation is recognized over the period during which the material right exists, which would end upon the Manufacturing Transition Date. Based on these considerations and our forecast of the timing and associated costs of the purchases related to the manufacture and supply of Ebvallo and estimated timing of technology transfer, we estimate the material right in the Initial Territory will exist for approximately one year. We reassess this evaluation each reporting period. Commercialization revenue associated with sales of Ebvallo and intermediate inventory to Pierre Fabre is deferred until we have performed the associated manufacturing of finished Ebvallo product inventory and cell selection services, or once manufacturing and cell selection technology transfers to Pierre Fabre have been completed. At that point, Pierre Fabre would be able to utilize the inventory it had purchased from us on its own. Commercialization revenue associated with the Additional Territory Obligation and the Process Sciences Obligation is recognized using a cost-based input method based on the amount of actual costs incurred relative to the total budgeted costs expected to be incurred for the respective performance obligations. A cost-based input method of revenue recognition requires us to make estimates of costs to complete our performance obligation. In making such estimates, significant judgment is required to evaluate assumptions related to cost estimates. The cumulative effect of revisions to estimated costs to complete our performance obligation will be recorded in the period in which changes are identified and amounts can be reasonably estimated. We expect to recognize the remaining deferred revenue associated with the Additional Territory Obligation and the Process Sciences Obligation over a period of approximately one year and two years, respectively. We reassess this evaluation each reporting period. The transfer of control occurs over the respective time period and, in our judgment, is the best measure of progress towards satisfying the performance obligation. A significant change in these assumptions and estimates could have a material impact on the timing and amount of revenue recognized in future periods. We expect to recognize revenue associated with the Intermediate Inventory Obligation at a point in time on the Manufacturing Transition Date, which is when title and risk of loss, and thus, control, of the intermediate inventory transfers to Pierre Fabre. 16 A Deferred revenue activity related to commercialization revenue for the nine months ended September 30,

2024 was as follows: (in thousands) Deferred revenue, January 1, 2024 \$ 115,395 Additions 94,520 Recognized into commercialization revenue 93,101 Deferred revenue September 30, 2024 116,814 Less: deferred revenue current portion 116,344 Deferred revenue long-term, September 30, 2024 \$ 470 During the nine months ended September 30, 2024, we recognized 31.4 million of revenue that was included in the deferred revenue balance as of December 31, 2023. During the three and nine months ended September 30, 2024, we recognized revenue of \$8.8 million related to performance obligations partially satisfied in prior periods related to changes in the transaction price upon achievement of development milestones. Costs incurred relating to performing the services within the Additional Territory Obligation and Process Sciences Obligation consist of third party expenses and for time incurred by our employees to satisfy requirements set forth by the A&R Commercialization Agreement. These costs are included in research and development expenses in the condensed consolidated statements of operations and comprehensive income (loss) during the three and nine months ended September 30, 2024. Such costs were \$11.1 million and \$33.8 million for the three and nine months ended September 30, 2024, respectively.

**6. Liability Related to the Sale of Future Revenues** In December 2022, we entered into a Purchase and Sale Agreement (the HCRx Agreement) with HCR Molag Fund, L.P., a Delaware limited partnership, (HCRx). In exchange for a payment of \$31.0 million (the Investment Amount) to Atara, net of certain transaction expenses, HCRx obtained the right to receive certain Ebvallo royalties and milestone payments payable by Pierre Fabre under the Pierre Fabre Commercialization Agreement up to an agreed upon multiple of the Investment Amount. Under the HCRx Agreement, HCRx is entitled to receive tiered royalties on net sales of Ebvallo in the Initial Territory in amounts ranging from the mid-single digits to double digits based on annual net sales. HCRx is also entitled to certain milestone payments due to Atara from Pierre Fabre. The total royalties and milestones payable to HCRx are capped between 185% and 250% of the Investment Amount, depending upon the timing of such royalties and milestones. Upon meeting the cap amount, HCRx's right to receive royalties and milestone payments will terminate and all rights will revert to Atara. To the extent a certain milestone within the Pierre Fabre Commercialization Agreement is not achieved on or prior to June 30, 2026, we will be required to make a one-time cash payment in the amount of \$9.0 million to HCRx, and HCRx shall transfer all of its right, title and interest in this certain \$9.0 million milestone payment to Atara. This payment, if required, would be included in the calculation of aggregate payments made to HCRx. The gross proceeds of the Investment Amount of \$31.0 million were recorded as a liability related to the sale of future revenues, net of transaction costs of \$0.4 million, and will be amortized using the effective interest method over the life of the arrangement. To determine the amortization of the recorded liability, we are required to estimate the total amount of future payments to be received by HCRx. The sum of these amounts less the \$31.0 million proceeds we received will be recorded as interest expense over the life of the HCRx Agreement. We estimate the effective interest rate used to record non-cash interest expense under the HCRx Agreement based on the estimate of future payments to be received by HCRx. On September 30, 2024, the annual effective interest rate was approximately 11%. Over the life of the arrangement, the actual effective interest rate will be affected by the amount and timing of the actual and forecasted royalty and milestone payments to HCRx. At each reporting date, we will reassess our estimate of the timing and amounts of future payments made to HCRx, and prospectively adjust the effective interest rate and amortization of the liability as necessary.

**17** The following table presents the changes in the liability related to the sale of future revenues under the HCRx Agreement for the nine months ended September 30, 2024: (in thousands) Liability related to sale of future revenues as of January 1, 2024 \$ 35,076 Accretion of interest expense on liability related to sale of future revenues 3,180 Amortization of debt discount and debt issuance costs 52 Repayment of the liability 132 Liability related to the sale of future revenues as of September 30, 2024 38,176 Less: current portion classified within other accrued liabilities 592 Liability related to sale of future revenues - long-term 37,584

**7. Restructuring** In November 2023, we announced a strategic reduction in workforce of approximately 30%. The workforce reduction included total restructuring charges of \$6.7 million, comprised primarily of severance payments and wages for the 60-day notice period in accordance with the California Worker Adjustment and Retraining Notification (WARN) Act. In most cases, the severance payments were paid as a lump sum in January 2024. As of September 2024, there are no remaining payments for the November 2023 reduction in workforce. All of the costs were cash expenditures and represent one-time termination benefits. In January 2024, we announced a strategic reduction in workforce of approximately 25%. The workforce reduction resulted in total restructuring charges of \$5.1 million, comprised primarily of severance payments and wages for the 60-day notice period in accordance with the California WARN Act. In most cases, the severance payments were paid during the first half of 2024. Certain of the notified employees had employment agreements that provided for separation benefits in the form of salary continuation, which are being paid from February 2024 through January 2025. As of September 30, 2024, approximately \$0.2 million of further separation payments and benefits are required for the January 2024 reduction in workforce. The majority of the associated costs are cash expenditures and primarily represent one-time termination benefits. The following is a summary of restructuring charges associated with the reductions in force for the periods presented: Three Months Ended September 30, Nine Months Ended September 30, 2024 2023 2024 (in thousands) Research and development expense \$ 3,750 General and administrative expense \$ 1,357 Total restructuring charges \$ 5,107 \$ 45 The following restructuring liability activity was recorded in connection with the reductions in force for the nine months ended September 30, 2024: (in thousands) Liability balance, January 1, 2024 \$ 4,923 Restructuring charges 5,107 Cash payments (9,157) Non-cash settlements/adjustments 666 Liability balance, September 30, 2024 \$ 207 The liability balance as of September 30, 2024 and December 31, 2023 is recorded within other current liabilities on the accompanying condensed consolidated balance sheet.

**18** **8. Commitments and Contingencies** MSK In-license Agreements In June 2015, we entered into an exclusive license agreement with MSK for three clinical stage T-cell therapies. We are required to make payments to MSK based on achievement of specified regulatory and sales-related milestones, as well as mid-single-digit percentage tiered royalty payments based on future sales of products resulting from the development of the licensed product candidates, if any. In addition, under certain circumstances, we are required to make certain minimum annual royalty payments to MSK, which are creditable against earned royalties owed for the same annual period. We are also required to pay a low double-digit percentage of any consideration we receive for sublicensing the licensed rights. The license agreement expires on a product-by-product and country-by-country basis on the latest of: (i) expiration of the last licensed patent rights related to each licensed product, (ii) expiration of any market exclusivity period granted by law with respect to each licensed product, and (iii) a specified number of years after the first commercial sale of the licensed product in each country. Upon expiration of the license agreement, we will retain non-exclusive rights to the licensed products. In May and December 2018, we licensed additional technology from MSK. We are obligated to make additional milestone payments based on achievement of specified development, regulatory and sales-related milestones, as well as mid-single-digit percentage tiered royalty payments based on future sales of products resulting from the development of the licensed product candidates, if any. In March 2021, we amended and restated our license agreement with MSK to terminate our license to certain rights and license additional know-how rights not otherwise covered by our existing agreements. In March 2024, we terminated our license agreements with MSK to the ATA2271 and ATA3271 programs targeting mesothelin. QIMR Berghofer In-license Agreements In October 2015, we entered into an exclusive license agreement and a research and development collaboration agreement with QIMR Berghofer. Under the terms of the license agreement, we obtained an exclusive, worldwide license to develop and commercialize allogeneic T-cell therapy programs utilizing technology and know-how developed by QIMR Berghofer. In September 2016, the exclusive license agreement and research and development collaboration agreement were amended and restated. Under the amended and restated agreements, we obtained an exclusive, worldwide license to develop and commercialize additional T-cell programs, as well as the option to license additional technology that we exercised in June 2018. We further amended and restated our license agreement and research and development collaboration agreements with QIMR Berghofer in August 2019, August 2020 and December 2021, in each case, to terminate our license to certain rights. Our current license agreement also provides for various milestone and royalty payments to QIMR Berghofer based on future product sales, if any. Under the terms of our current research and development collaboration agreement, we are also required to reimburse the cost of agreed-upon development activities related to programs developed under the collaboration. These payments are expensed on a straight-line basis over the related development periods. The agreement also provides for various milestone payments to QIMR Berghofer based on achievement of certain developmental and regulatory milestones. Other In-license and Collaboration Agreements From time to time, we have entered into other license and collaboration agreements with other parties. For example, we licensed rights related to our MSK-partnered next-generation CAR T programs from the National Institutes of Health in December 2018. Milestones and royalties under each of the above agreements are contingent upon future events and will be recorded as expense when the underlying milestones are achieved or royalties are earned. Sales related milestone and royalty costs related to Ebvallo are recorded in cost of commercialization revenue, whereas regulatory milestone costs are recorded in research and development expense. As of September 30, 2024 and December 31, 2023, there were no material outstanding obligations for milestones and royalties under our license and collaboration agreements.

**CRL Manufacturing Agreement** In December 2019, we entered into a Commercial Manufacturing Services Agreement (the CRL MSA) with Cognate BioServices, Inc., which was acquired by Charles River Laboratories Inc. (CRL) in March 2021. Pursuant to the CRL MSA, CRL provides manufacturing services for our product and certain of our product candidates. The CRL MSA expired on August 31, 2024. We are currently in negotiations with CRL for an amendment to further extend the term of the CRL MSA and for a new commercial drug product supply agreement. However, there can be no assurance that we will be able to further extend the CRL MSA or enter into a new commercial drug product supply agreement with CRL on terms favorable or acceptable to us, or at all. If we are unable to enter into a new commercial drug product supply agreement or extend the CRL MSA, we may need to identify alternative sources of drug product supply.

**Fujifilm Master Services and Supply Agreement** In January 2022, we entered into the Fujifilm MSA, which became effective upon the closing of the sale of the ATOM Facility on April 4, 2022 and could extend for up to ten years. Pursuant to the Fujifilm MSA, FDB will supply us with specified quantities of our cell therapy products and product candidates, manufactured in accordance with cGMP standards. We have certain non-cancellable minimum commitments to purchase products and services over the first five years of the Fujifilm MSA. The Fujifilm MSA does not obligate us to purchase products and product candidates exclusively from FDB. Other Research, Development and Manufacturing Agreements We may enter into other contracts in the normal course of business with clinical research organizations for clinical trials, with CMOs for product, product candidates and clinical supplies, and with other vendors for preclinical studies, supplies and other services for our operating purposes. These contracts generally provide for termination on notice. As of September 30, 2024 and December 31, 2023, there were no material amounts accrued related to contract termination charges. Minimum Commitments We have non-cancellable minimum commitments for products and services, subject to agreements with a term of greater than one year with clinical research organizations and CMOs. We have incurred \$3.0 million and \$9.7 million against the minimum commitments for the three and nine months ended September 30, 2024, respectively, and we incurred \$2.8 million and \$16.1 million against the minimum commitments for the three and nine months ended September 30, 2023, respectively. As of September 30, 2024, and December 31, 2023, we have accrued \$3.2 million and \$11.2 million, respectively, in research and development expenses related to minimum purchase commitments. Indemnification Agreements In the normal course of business, we enter into contracts and agreements that contain a variety of representations and warranties and provide for indemnification for certain liabilities. The exposure under these agreements is unknown because it involves claims that may be made against us in the future but have not yet been made. To date, we have not paid any claims or been required to defend any action related to our indemnification obligations. However, we may record charges in the future as a result of these indemnification obligations. We also have indemnification obligations to our directors and executive officers for specified events or occurrences, subject to some limits, while they are serving at our request in such capacities. There have been no claims to date, and we consider the fair value of these indemnification agreements to be minimal. Accordingly, we did not record liabilities for these agreements as of September 30, 2024 and December 31, 2023.

**Contingencies** From time to time, we may be involved in legal proceedings, as well as demands, claims and threatened litigation, which arise in the normal course of our business or otherwise. The ultimate outcome of any litigation is uncertain and unfavorable outcomes could have a negative impact on our results of operations and financial

condition. Regardless of outcome, litigation can have an adverse impact on us because of the defense costs, diversion of management resources and other factors. We are not currently involved in any material legal proceedings. 20 Å During the third quarter of 2024, MSK sent us a notice alleging that under the terms of our license agreements with MSK, MSK is entitled to \$6.0 million of sub-licensing fees as a result of the \$60.0 million we received from Pierre Fabre related to the Additional Territory upfront and milestone payments in 2024 pursuant to the A&R Commercialization Agreement. We do not believe we owe the \$6.0 million to MSK under the terms of our license agreements with MSK and plan to enter into evaluative non-binding mediation with MSK to potentially resolve this disagreement. We paid the \$6.0 million to MSK under protest in the third quarter of 2024 in order to proceed with the dispute process per the terms of the license agreements. We recorded this cost in research and development expenses on the condensed consolidated statements of operations and comprehensive income (loss) during the three and nine months ended September 30, 2024. There is no guarantee we will reach a favorable outcome in the mediation or on this matter and we may owe a portion of future milestones we receive from Pierre Fabre to MSK.9.Stockholders' Equity (Deficit)Our authorized capital stock consists of 520,000,000 shares, all with a par value of \$0.0001 per share, of which 500,000,000 shares are designated as common stock and 20,000,000 shares are designated as preferred stock. There were no shares of preferred stock outstanding as of September 30, 2024 and December 31, 2023.Equity OfferingsAs part of our July 2019 underwritten public offering, we issued and sold pre-funded warrants to purchase 117,801 shares of common stock in an underwritten public offering pursuant to a shelf registration on Form S-3. Each pre-funded warrant entitles the holder to purchase one share of common stock at an exercise price of \$0.0025 per share and expires seven years from the date of issuance. These warrants were recorded as a component of stockholders' equity (deficit) within additional paid-in capital. Per the terms of the warrant agreement, a holder of the outstanding warrants is not entitled to exercise any portion of any pre-funded warrant if, upon exercise of the warrant, the holder's ownership (together with its affiliates) of our common stock or combined voting power of our securities beneficially owned by such holder (together with its affiliates) would exceed 9.99% after giving effect to the exercise (the 2019 Warrant Maximum Ownership Percentage). Upon at least 61 days' prior notice to us by the holder, any holder may increase or decrease the 2019 Warrant Maximum Ownership Percentage to any other percentage not to exceed 19.99%. No July 2019 pre-funded warrants were exercised during the nine months ended September 30, 2024, and as of September 30, 2024, pre-funded warrants to purchase 101,089 shares of our common stock from the July 2019 underwritten public offering were outstanding. As part of the May 2020 underwritten public offering, we issued and sold pre-funded warrants to purchase 114,678 shares of common stock in an underwritten public offering pursuant to a shelf registration on Form S-3. Additionally, as part of the December 2020 underwritten public offering, we issued and sold pre-funded warrants to purchase 81,632 shares of common stock in an underwritten public offering pursuant to a shelf registration on Form S-3. These warrants were recorded as a component of stockholders' equity (deficit) within additional paid-in capital. The terms of the pre-funded warrants issued and sold as part of the 2020 public offerings were similar to those issued and sold in 2019. No May 2020 or December 2020 pre-funded warrants were exercised during the nine months ended September 30, 2024. As of September 30, 2024, 38,735 and 55,387 of the pre-funded warrants to purchase shares of our common stock issued and sold as part of the May 2020 and December 2020 underwritten public offerings, respectively, were outstanding. In January 2024, we issued and sold pre-funded warrants to purchase 1,090,907 shares of common stock at a price of \$13.7475 per warrant in a registered direct offering pursuant to a shelf registration on Form S-3. The gross proceeds from this sale were \$15.0 million, resulting in net proceeds of \$14.8 million after deducting offering expenses payable by us. Each of the January 2024 pre-funded warrants issued entitles the holder to purchase one share of common stock at an exercise price of \$0.0025 per share, with no expiration date. These warrants were recorded as a component of stockholders' equity (deficit) within additional paid-in capital. Per the terms of the warrant agreement, a holder of the outstanding warrants is not entitled to exercise any portion of any pre-funded warrant if, upon exercise of the warrant, the holder's ownership (together with its affiliates) of our common stock or combined voting power of our securities beneficially owned by such holder (together with its affiliates) would exceed 9.99% after giving effect to the exercise (the January 2024 Warrant Maximum Ownership Percentage). Upon at least 61 days' prior notice to us by the holder, any holder may increase or decrease the January 2024 Warrant Maximum Ownership Percentage to any other percentage not to exceed 19.99%. 21 Å In September 2024, we issued and sold 758,900 shares of common stock at an offering price of \$8.25 per share and pre-funded warrants to purchase 3,604,780 shares of common stock at an offering price of \$8.2499 per warrant in a registered direct offering pursuant to a shelf registration on Form S-3. The gross proceeds from this sale were \$36.0 million, resulting in net proceeds of \$35.8 million after deducting estimated offering expenses payable by us. Each of the September 2024 pre-funded warrants issued entitles the holder to purchase one share of common stock at an exercise price of \$0.0001 per share, with no expiration date. These warrants were recorded as a component of stockholders' equity (deficit) within additional paid-in capital. Per the terms of the warrant agreement, a holder of the outstanding warrants is not entitled to exercise any portion of any pre-funded warrant if, upon exercise of the warrant, the holder's ownership (together with its affiliates) of our common stock or combined voting power of our securities beneficially owned by such holder (together with its affiliates) would exceed, at the holder's election, 4.99%, 9.99% or 19.99% after giving effect to the exercise (the September 2024 Warrant Maximum Ownership Percentage). Upon at least 61 days' prior notice to us by the holder, any holder may increase or decrease the September 2024 Warrant Maximum Ownership Percentage to any other percentage not to exceed 19.99%. No January 2024 or September 2024 pre-funded warrants were exercised during the nine months ended September 30, 2024 and all 1,090,907 of the January 2024 pre-funded warrants and all 3,604,780 of the September 2024 pre-funded warrants remain outstanding as of September 30, 2024.ATM FacilitiesIn the past three years, we have entered into two separate sales agreements with Cowen and Company, LLC (Cowen): in November 2021 (the 2021 ATM Facility) and in November 2023 (the 2023 ATM Facility). Each ATM facility provides or provided for the sale, in our sole discretion, of shares of our common stock having an aggregate offering price of up to \$100.0 million, through Cowen, as our sales agent. We filed a registration statement on Form S-3 registering the offer and sale of these shares under the Securities Act (the 2023 Registration Statement). Upon the effectiveness of the 2023 Registration Statement, the 2021 ATM Facility was terminated, and no further sales can be made under the 2021 ATM Facility. The issuance and sale of these shares by us pursuant to the ATM facilities are deemed to be "at the market" offerings defined in Rule 415 under the Securities Act of 1933, as amended (the Securities Act), and were registered under the Securities Act. Commissions of up to 3.0% are due on the gross sales proceeds of the common stock sold under each ATM facility. During the nine months ended September 30, 2023, we sold an aggregate of 5,917 shares of common stock under the 2021 ATM Facility, at an average price of \$116.00 per share, for gross proceeds of \$0.7 million and net proceeds of \$0.6 million, after deducting commissions and other offering expenses payable by us. During the nine months ended September 30, 2024, we sold an aggregate of 492,855 shares of common stock under the 2023 ATM Facility, at an average price of \$19.23 per share, for gross proceeds of \$9.5 million and net proceeds of \$9.3 million, after deducting commissions and other offering expenses payable by us. As of September 30, 2024, \$88.7 million of common stock remained available to be sold under the 2023 ATM Facility, subject to certain conditions as specified in the sales agreement. Equity Incentive PlansIn June 2024, we adopted the 2024 Equity Incentive Plan (the 2024 EIP), under which we may grant stock options, restricted stock awards (RSAs) and RSUs to employees, directors, consultants and other service providers. The 2014 Equity Incentive Plan, as amended (2014 EIP), expired March 31, 2024, after which no new awards can be granted from it. All awards granted prior to the 2014 EIP expiration continue to remain outstanding and governed in accordance with the rules set forth in the 2014 EIP and the terms of the associated grant notice. To the extent forfeited, cancelled or expired, certain awards granted under the 2014 EIP will become available for grant under the 2024 EIP. RSUs generally vest over two to four years. We have granted performance-based RSUs to certain of our employees that provide for the issuance of common stock if specified Company performance criteria related to tab-cel regulatory milestones are achieved. The number of performance-based RSUs that ultimately vests depends upon if and which performance criteria are achieved, as well as the employee's continuous service, as defined in the 2014 EIP and 2024 EIP, through the date of vesting. The fair value of performance-based RSUs is determined as the closing stock price on the date of grant. Stock options are granted at prices no less than 100% of the estimated fair value of the shares on the date of grant as determined by the board of directors, provided, however, that the exercise price of an option granted to a 10% shareholder cannot be less than 110% of the estimated fair value of the shares on the date of grant. Options granted generally vest over three 22 Å or four years and expire in seven to ten years. We have granted performance-based stock options to certain of our employees that provide for the issuance of a right to purchase a share of common stock if specified Company performance criteria related to tab-cel regulatory milestones are achieved. The vesting of performance-based stock options depends upon if and when the performance criteria are achieved, as well as the employee's continuous service as defined in the 2014 EIP and 2024 EIP, through the date of vesting. As of September 30, 2024, a total of 695,311 shares of common stock were reserved for issuance under the 2014 EIP, of which all were subject to outstanding options and RSUs, including performance-based awards. As of September 30, 2024, a total of 343,901 shares of common stock were reserved for issuance under the 2024 EIP, of which all were available for grant. In February 2018, we adopted the 2018 Inducement Plan (the Inducement Plan), under which we may grant options, stock appreciation rights, RSAs and RSUs to new employees. In November 2020, September 2021 and June 2022 we amended the Inducement Plan to reserve an additional 60,000 shares of the Company's common stock for issuance under the Inducement Plan in each case. As of September 30, 2024, 172,819 shares of common stock were reserved for issuance under the Inducement Plan, of which 119,857 shares were available for future grant and 52,962 shares were subject to outstanding options and RSUs. In May 2014, we adopted the 2014 Employee Stock Purchase Plan (2014 ESPP), which permits eligible employees to purchase common stock at a discount through payroll deductions during defined offering periods. Following stockholder approval, in June 2024, we amended the 2014 ESPP to increase the number of shares of our common stock available for issuance under the 2014 ESPP by 40,000 shares. Restricted Stock UnitsThe following is a summary of RSU activity under our 2014 EIP and Inducement Plan: Å Å RSUs Å Shares Å Weighted Average Grant Date Fair Value Å Balance as of December 31, 2023 Å 250,709 Å \$ 158.00 Å Granted Å 545,490 Å \$ 13.80 Å Forfeited Å (57,303) Å \$ 94.14 Å Vested Å (221,496) Å \$ 81.00 Å Balance as of September 30, 2024 Å 517,400 Å \$ 46.01 Å As of September 30, 2024, there was \$18.7 million of unrecognized stock-based compensation expense related to RSUs that is expected to be recognized over a weighted average period of 1.5 years. This excludes unrecognized stock-based compensation expense for performance-based RSUs that were deemed not probable of vesting in accordance with U.S. GAAP. Stock OptionsThe following is a summary of stock option activity under our 2014 EIP and Inducement Plan: Å Å Shares Å Weighted Average Exercise Price Å Weighted Average Remaining Contractual Term (Years) Å Aggregate Intrinsic Value (in thousands) Å Balance as of December 31, 2023 Å 428,786 Å \$ 290.75 Å 6.5 Å \$ Å Granted Å 16,500 Å 11.00 Å Å Å Exercised Å Å Å Å Å Forfeited or expired Å (169,413) Å 357.61 Å Å Å Å Balance as of September 30, 2024 Å 275,873 Å \$ 232.96 Å 7.0 Å \$ Å Aggregate intrinsic value represents the difference between the closing stock price of our common stock on September 30, 2024 and the exercise price of outstanding, in-the-money options. As of September 30, 2024, there was \$7.0 million of unrecognized stock-based compensation expense related to stock options that is expected to be recognized over a weighted 23 Å average period of 1.3 years. This excludes unrecognized stock-based compensation expense for performance-based stock options that were deemed not probable of vesting in accordance with U.S. GAAP. Reserved SharesThe following shares of common stock were reserved for future issuance under our equity incentive plans as of September 30, 2024: Å Total Shares Reserved Å 2014 Equity Incentive Plan Å 695,311 Å 2018 Inducement Plan Å 172,819 Å 2024 Equity Incentive Plan Å 343,901 Å 2014 Employee Stock Purchase Plan Å 40,190 Å Total reserved shares of common stock 1,252,221 Å Stock-based Compensation ExpenseThe following is a summary of stock-based compensation expense for the periods presented: Å Å Three Months Ended September 30, Å Nine Months Ended September 30, Å Å 2024 Å 2023 Å 2024 Å 2023 Å (in thousands) Å Research and development Å \$ 2,877 Å \$ 6,758 Å \$ 10,904 Å \$ 20,723 Å General and administrative Å 3,545 Å 4,385 Å 10,251 Å 14,736 Å Total stock-based compensation expense Å 6,422 Å 11,143 Å \$ 21,155 Å \$ 35,459 Å 10. Supplemental Balance Sheet Information InventoriesInventories consisted of the following as of each period end: Å Å September 30, Å December 31, Å Å 2024 Å 2023 Å (in thousands) Å Raw Materials Å \$ 1,652 Å \$ 2,335 Å Work-in-process Å 12,328 Å 7,371 Å

Total inventories \$ 13,980 \$ 9,706 \$ Property and equipment, netProperty and equipment consisted of the following as of each period end: September 30, 2023 \$ 15,553 \$ 15,540 Machinery and equipment 572 572 Computer equipment and software 1,381 1,279 Furniture and fixtures 1,272 1,272 Construction in progress \$ 158 \$ 158 Property and equipment, gross \$ 19,708 \$ 19,725 Less: accumulated depreciation \$ (18,047) \$ (15,869) Property and equipment, net \$ 1,661 \$ 3,856 Depreciation expense was \$0.6 million and \$0.9 million for the three months ended September 30, 2024 and 2023, respectively, and \$2.2 million and \$2.8 million for the nine months ended September 30, 2024 and 2023, respectively. 24 Other current liabilitiesOther current liabilities consisted of the following as of each period end: September 30, 2023 \$ 13,652 \$ 11,264 Current portion of finance lease liabilities 1,006 915 Other accrued liabilities 927 640 Total other current liabilities \$ 23,644 \$ 31,826 25 Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations You should read the following discussion and analysis of our financial condition and results of operations together with our condensed consolidated financial statements and related notes included elsewhere in our Quarterly Report on Form 10-Q for the quarter ended September 30, 2024. This discussion and other parts of this Quarterly Report contain forward-looking statements that involve risk and uncertainties, such as statements of our plans, objectives, expectations and intentions. As a result of many factors, including those factors set forth in the "Risk Factors" section of this Quarterly Report, our actual results could differ materially from the results described in or implied by the forward-looking statements contained in the following discussion and analysis. OverviewAtara Biotherapeutics is a leader in T-cell immunotherapy, leveraging its novel allogeneic Epstein-Barr virus (EBV) T-cell platform to develop transformative therapies for patients with cancer and autoimmune disease. Tab-cel (tisleclelecul), our lead program in Phase 3 clinical development in the U.S., has received marketing authorization approval (MAA) under the proprietary name Ebvallo, for commercial sale in the European Economic Area (EEA) by the European Commission (EC), for commercial sale and use in the United Kingdom (UK) by the Medicines and Healthcare products Regulatory Agency (MHRA), and for commercial sale and use in Switzerland by Swissmedic. We are the most advanced allogeneic T-cell immunotherapy company and intend to rapidly deliver off-the-shelf treatments to patients with high unmet medical need. Our platform leverages the unique biology of EBV T cells and has the capability to treat a wide range of EBV-driven diseases or other serious diseases through incorporation of engineered chimeric antigen receptors (CARs) or T-cell receptors (TCRs). We are applying this one platform, that does not require TCR or human leukocyte antigen (HLA) gene editing, to create a robust pipeline. Our strategic priorities are: Tab-cel: Our most advanced T-cell immunotherapy program, tab-cel, has received MAA for commercial sale in the EEA, the UK, and Switzerland under the proprietary name Ebvallo and is partnered with Pierre Fabre Medicament (Pierre Fabre) for commercialization in Europe and potential commercialization, if approved, worldwide, including in the U.S. Tab-cel is currently in Phase 3 development in the U.S. for patients with EBV-associated post-transplant lymphoproliferative disease (EBV+ PTLD) who have failed rituximab or rituximab plus chemotherapy, as well as other EBV-driven diseases; and ATA3219: Allogeneic CAR T targeting CD19, currently in Phase 1 development is being developed as a potential best-in-class product intended to target B-cell malignancies and autoimmune diseases, based on a next generation 1XX signaling domain and the innate advantages of EBV T cells as the foundation for an allogeneic CAR T platform. In addition to the aforementioned strategic priorities, we also have a number of preclinical programs, including ATA3431, an allogeneic dual CAR T immunotherapy targeting both CD19 and CD20 for B-cell malignancies; and a potential next generation EBV vaccine which is differentiated from earlier EBV vaccine efforts that solely focused on B cell responses to EBV. We have stopped development on ATA188, an allogeneic T-cell immunotherapy targeting multiple sclerosis (MS). Our T-cell immunotherapy platform is potentially applicable to a broad array of targets and diseases. Our off-the-shelf, allogeneic T-cell platform allows for rapid delivery of a T-cell immunotherapy product manufactured in advance of patient need and stored in inventory, with each manufactured lot of cells providing therapy for numerous potential patients. This differs from autologous treatments, in which each patient's own cells must be extracted, genetically modified outside the body and then delivered back to the patient, requiring a complex logistics network. We select the appropriate set of cells for use based on a patient's unique immune profile. We estimate that only four and six unique ATA3219 lots will be needed to cover approximately 90% of U.S. NHL and lupus patients, respectively. One of our contract manufacturing organizations (CMOs) has completed commercial production qualification activities for tab-cel commercialization in the EEA and is in the process of completing commercial production qualification activities in the U.S. Another of our CMOs is currently in the process of completing commercial production qualification activities for tab-cel in the EEA. We continue to manufacture inventory according to Pierre Fabre's commercial product supply strategy. In October 2021, we entered into the Commercialization Agreement with Pierre Fabre (Pierre Fabre Commercialization Agreement), pursuant to which we granted to Pierre Fabre an exclusive, field-limited license to commercialize and distribute Ebvallo in Europe and select emerging markets in the Middle East, Africa, Eastern Europe and Central Asia (the Initial Territory) following regulatory approval. As contemplated by the Pierre Fabre Commercialization Agreement, we entered into (i) a Manufacturing and Supply Agreement (ii) a Pharmacovigilance Agreement (iii) and a Quality Agreement, in each case, with Pierre Fabre to further advance our partnership with Pierre Fabre. In September 2022, we amended the Pierre Fabre Commercialization Agreement and received an additional \$30 million milestone payment from Pierre Fabre following EC approval of Ebvallo for EBV+ PTLD and subsequent filing of the MAA transfer to Pierre Fabre, in exchange for, among other things, a reduction in: (i) royalties we are eligible to receive as a percentage of net sales of Ebvallo in the Initial Territory, and (ii) the supply price mark up on tab-cel purchased by Pierre Fabre. Additionally, we agreed to extend the time period for provision of certain services to Pierre Fabre under the Pierre Fabre Commercialization Agreement. In December 2022, we entered into a Purchase and Sale Agreement (HCRx Agreement) with HCR Molag Fund L.P. (HCRx), a Delaware limited partnership. Pursuant to the terms of the HCRx Agreement, we received a total investment amount of \$31.0 million in exchange for HCRx being entitled to receive a portion of the tiered, sales-based royalties for Ebvallo, in amounts ranging from the mid-single digits to significant double digits, as well as certain milestone payments, both related to the Initial Territory and otherwise payable to us by Pierre Fabre. The total royalties and milestones payable to HCRx related to the Initial Territory under the HCRx Agreement are capped between 185% and 250% of the total investment amount by HCRx, dependent upon the timing of such royalty and milestone payments to HCRx. On October 31, 2023, we entered into an amended and restated Pierre Fabre Commercialization Agreement (A&R Commercialization Agreement), pursuant to which we expanded Pierre Fabre's exclusive rights to research, develop, manufacture, commercialize and distribute tab-cel (Ebvallo) to include all other countries in the world (Additional Territory) in addition to the Initial Territory (together, the Territory), subject to our performance of certain obligations as described below. In December 2023, upon the effective date of the A&R Commercialization Agreement, we met the contractual right to receive an additional upfront cash payment of \$20.0 million for the expanded exclusive license grant, for which the cash was received in January 2024. In March 2024, we met the contractual right to receive \$20.0 million in milestone payments upon achieving a regulatory milestone, for which the cash was received in April 2024. In July 2024, we met the contractual right to receive an additional \$20.0 million in milestone payments upon achieving acceptance of our biologics license application (BLA) for tab-cel by the United States Food and Drug Administration (FDA) and we received the cash in August 2024. We will also be entitled to receive an aggregate of up to \$580.0 million in additional milestone payments upon achieving certain regulatory and commercial milestones relating to tab-cel in the Additional Territory including up to \$60.0 million in potential regulatory milestones in connection with the approval by the FDA of a BLA for tab-cel. We are eligible to receive significant double-digit tiered royalties as a percentage of net sales of tab-cel (Ebvallo) in the Territory until the later of 12 years after the first commercial sale in each such country, the expiration of specified patent rights in each such country, or the expiration of all regulatory exclusivity for tab-cel in each such country. Royalty payments may be reduced in certain specified customary circumstances. Royalties and milestones from the commercialization of Ebvallo in the Initial Territory remain subject to the HCRx Agreement. During the applicable period specified in the A&R Commercialization Agreement, we will be responsible, at Pierre Fabre's cost, to continue conducting the ongoing Phase 3 ALLELE clinical study and the Phase 2 multi-cohort clinical study. We will also be responsible, at Pierre Fabre's cost, for certain other activities directed to obtaining regulatory approval in the United States for tab-cel for EBV-associated post-transplant lymphoproliferative disease pursuant to the terms of the A&R Commercialization Agreement. Pierre Fabre will be responsible, at its cost, for obtaining and maintaining all other required regulatory approvals and for commercialization and distribution of tab-cel in the Territory, including conducting any other clinical study required. Prior to the transfer of manufacturing responsibility to Pierre Fabre, we will be responsible for manufacturing and supplying tab-cel to Pierre Fabre for commercialization in the Territory at cost plus a margin for orders placed after December 31, 2023, subject to a maximum annual increase. Pierre Fabre will assume the responsibility and cost for the manufacture and supply of tab-cel in the Territory upon the Manufacturing Transition Date, which is defined as the earlier of i) the date on which all activities relating to the transfer of tab-cel manufacturing, pursuant to the A&R Commercialization Agreement, from Atara to Pierre Fabre have been completed to the reasonable satisfaction of both parties, or ii) December 31, 2025, throughout the remainder of the term of the A&R Commercialization Agreement. Pierre Fabre and we are to use commercially reasonable efforts to achieve this prior to the earlier transfer date from Atara to Pierre Fabre of the first marketing authorization in the Additional Territory or the first BLA, which transfer could potentially occur as early as the first quarter of 2025. Any delays in completing the manufacturing transfer to Pierre Fabre will cause us to incur additional costs in order to meet our supply obligations. In August 2024, we sold certain intermediates used in the manufacture of Ebvallo to Pierre Fabre for \$15.5 million, transferring title and risk of loss to these intermediates in advance of the Manufacturing Transition Date. We received payment for these intermediates in September 2024. We have also entered into research collaborations with leading academic institutions such as Memorial Sloan Kettering Cancer Center (MSK) and the Council of the Queensland Institute of Medical Research (QIMR Berghofer) pursuant to which we acquired rights to novel and proprietary technologies and programs. 27 Our research facilities in Thousand Oaks, California (ARC) and Aurora, Colorado contain our translational and preclinical sciences, analytical development and process science functions. These facilities support our product pipeline, process development and leverage our allogeneic cell therapy platform to drive innovation. We and FUJIFILM Diosynth Biotechnologies California, Inc. (FDB) entered into a Master Services and Supply Agreement (Fujifilm MSA), which became effective in April 2022 and could extend for up to ten years. Pursuant to the Fujifilm MSA, FDB will supply us with specified quantities of our cell therapy products (if approved) and product candidates, manufactured in accordance with cGMP standards. The Fujifilm MSA does not obligate us to purchase products and product candidates exclusively from FDB. We also work with Charles River Laboratories (CRL) pursuant to a Commercial Manufacturing Services Agreement (CRL MSA) that we entered into in December 2019. Pursuant to the CRL MSA, CRL provides manufacturing services for our product and certain intermediates. The CRL MSA expired on August 31, 2024. We are currently in negotiations with CRL for an amendment to further extend the term of the CRL MSA and for a new commercial drug product supply agreement. However, there can be no assurance that we will be able to further extend the CRL MSA or enter into a new commercial drug product supply agreement with CRL on terms favorable or acceptable to us, or at all. If we are unable to enter into a new commercial drug product supply agreement or extend the CRL MSA, we may need to identify alternative sources of drug product supply. We have non-cancellable minimum commitments for products and services, subject to agreements with a term of greater than one year, with clinical research organizations and CMOs. In November 2023, we announced a reduction in force of approximately 30% of our workforce at that time. This workforce reduction resulted in total restructuring charges of \$6.7 million, comprised primarily of severance payments and wages for the 60-day notice period in accordance with the California Worker Adjustment and Retraining Notification (WARN) Act. In most cases, the severance payments were paid as a lump sum in January 2024. As of September 2024, there are no remaining payments for the November 2023 reduction in workforce. All of the costs were cash expenditures and represent one-time termination benefits. In January 2024, we announced a strategic reduction in workforce of approximately 25%. The workforce reduction resulted in total restructuring charges of \$5.1 million, comprised primarily of severance payments and wages for the 60-day notice period in accordance with the California WARN Act. In most cases, the severance payments are being paid during the first half of 2024. Certain of the notified employees

had employment agreements that provided for separation benefits in the form of salary continuation, which are being paid from February 2024 through January 2025. As of September 30, 2024, approximately \$0.2 million of further separation payments and benefits are required for the January 2024 reduction in workforce. The majority of the associated costs are cash expenditures and primarily represent one-time termination benefits. PipelineEbvvalloâ„¢ / Tab-celÂ®Our most advanced T-cell immunotherapy program, tab-cel, is approved for commercial sale and use in the EEA, the UK and Switzerland under the proprietary name Ebvallo. We continue to advance development of tab-cel in the U.S. in a Phase 3 clinical trial for patients with EBV+ PTLD (ALLELE). Tab-cel has received Breakthrough Therapy Designation (BTD) in the U.S. for the treatment of patients with EBV+ PTLD after hematopoietic cell transplants (HCT) who have failed rituximab and orphan drug designation in the U.S. and UK for the treatment of patients with EBV+ PTLD following HCT or solid organ transplants (SOT). â€œIn May 2024, we submitted the tab-cel BLA as a monotherapy for the treatment of adult and pediatric patients two years of age and older with EBV+ PTLD who have received at least one prior therapy. For solid organ transplant patients, prior therapy includes chemotherapy unless chemotherapy is inappropriate. The data package for the BLA included pivotal and supportive data covering more than 430 patients treated with tab-cel across multiple diseases.â€œ In July 2024, the FDA accepted the tab-cel BLA and we believe the tab-cel BLA is on track with a Prescription Drug User Fee Act target action date of January 15, 2025. â€œWe continue to pursue development of tab-cel in additional patient populations, with a primary focus on immunodeficiency-associated lymphoproliferative diseases (IA-LPDs), given the commonality of their EBV-driven mechanism of disease in immunocompromised patients, high unmet medical need and positive clinical data to date with tab-cel. 28

Â ATA3219We are developing ATA3219, a potential best-in-class, allogeneic CD19 CAR T immunotherapy targeting B-cell malignancies and autoimmune diseases, leveraging our next-generation 1XX CAR signaling domain and EBV T-cell platform and does not require TCR or human leukocyte antigen (HLA) gene editing. â€œWe plan to initiate a Phase 1 study of ATA3219 as a monotherapy for the treatment of systemic lupus erythematosus (SLE) with kidney involvement (lupus nephritis (LN)) by the end of 2024 (Phase 1 LN Study) with initial clinical data anticipated in the middle of 2025. We may potentially expand the Phase 1 LN Study into additional autoimmune indications via the same IND previously cleared for the Phase 1 LN study.â€œWe plan to expand the Phase 1 LN Study and add a new cohort in extrarenal SLE without lymphodepletion (LD) by the end of 2024 with initial clinical data anticipated in the middle of 2025. The elimination of LD is designed to further simplify the treatment regimen and to potentially provide a differentiated safety profile to patients without compromising efficacy which may improve patient access.â€œOur EBV CD19 CAR T program incorporates multiple clinically validated technologies designed for a memory phenotype, robust expansion, and retains the endogenous T-cell receptor without gene editing as a key survival signal for T cells contributing to functional persistence. We continue to make progress on the ATA3219 manufacturing process for scale-up. â€œWe treated the first patient and continue to open sites and initiate enrollment of patients in our multi-center, Phase 1 open-label, dose escalation clinical trial for ATA3219 in NHL, including large B-cell lymphomas, follicular lymphoma, or mantle cell lymphoma, with initial clinical data anticipated in the first quarter of 2025.Additional Programs and Platform Expansion ActivitiesOur CAR T immunotherapy pipeline includes ATA3431, an allogeneic, bispecific CAR directed against CD19 and CD20 for B-cell malignancies and autoimmune disease, leveraging our 1XX CAR signaling domain and EBV T-cell platform and does not require gene TCR or HLA gene editing. Preclinical data presented at the American Society of Hematology 2023 demonstrated potential for potent antitumor activity, long-term persistence, and superior tumor growth inhibition compared to an autologous CD19/CD20 CAR T benchmark. We are progressing toward an IND submission and expect to file an IND submission for ATA3431 in the fourth quarter of 2025. We are also collaborating with QIMR Berghofer to develop a potential next generation EBV vaccine which is differentiated from earlier EBV vaccine efforts that solely focused on B cell responses to EBV. While we retain the rights to ATA188, we have stopped development of ATA188. We have discontinued some other programs and returned the programs to our collaborators. For example, in March 2024, we returned the ATA2271 and ATA3271 programs targeting mesothelin to MSK.We believe our platform will have utility beyond the current set of targets to which it has been directed. We continue to evaluate additional product candidates, including those derived from collaborations with our partners. We also continue to evaluate opportunities to license or acquire additional product candidates or technologies to enhance our existing platform. ManufacturingIn April 2022, we entered into the Fujifilm MSA, which could extend for up to ten years. Pursuant to the Fujifilm MSA, FDB will supply us with specified quantities of our product and product candidates, manufactured in accordance with cGMP standards. The Fujifilm MSA does not obligate us to purchase our product and product candidates exclusively from FDB. We also work with CRL pursuant to the CRL MSA. CRL provides manufacturing services for our product and certain intermediates. The CRL MSA expired on August 31, 2024. We are currently in negotiations with CRL for an amendment to further extend the term of the CRL MSA and for a new commercial drug product supply agreement. However, there can be no assurance that we will be able to further extend the CRL MSA or enter into a new commercial drug product supply agreement with CRL on terms favorable or acceptable to us, or at all. If we are unable to enter into a new commercial drug product supply agreement or extend the CRL MSA, we may need to identify alternative sources of drug product supply. 29

Â COVID-19 Business UpdateTo date, the COVID-19 pandemic has not materially impacted our or our partnersâ€™ clinical, research and development, regulatory, and manufacturing operations or timelines. We have transitioned a portion of our workforce to a remote, work-from-home model, while maintaining essential in-person laboratory functions in order to advance key research, development and manufacturing priorities. We implemented safety protocols and procedures to support our onsite workforce. The full extent to which the COVID-19 pandemic may impact our business and operations is subject to future developments, which are uncertain and difficult to predict. For additional information about risks and uncertainties related to the COVID-19 pandemic that may impact our business, financial condition and operations, see the section titled â€œRisk Factorsâ€ under Part II, Item 1A in this Quarterly Report on Form 10-Q. Financial OverviewWe have a limited operating history. Since our inception in 2012, we have devoted substantially all of our resources to identify, acquire and develop our product and product candidates, including conducting preclinical and clinical studies, acquiring or manufacturing materials for clinical studies, and providing general and administrative support for these operations. Our net losses were \$72.7 million and \$215.7 million for the nine months ended September 30, 2024 and 2023, respectively. As of September 30, 2024, we had an accumulated deficit of \$2.0 billion. Substantially all of our net losses have resulted from costs incurred in connection with our research and development programs and from general and administrative expenses associated with our operations. As of September 30, 2024, our cash, cash equivalents and short-term investments totaled \$67.2 million, which we intend to use to fund our operations.RevenuesWe have only just begun to generate commercialization revenues under the A&R Commercialization Agreement, following the December 2022 EC approval of Ebvallo. Our commercialization revenue recognized to date is derived from agreements with Pierre Fabre, primarily related to upfront license fees, the milestone payment and amounts recognized from the sale of zero-cost inventories for which all performance obligations are complete, and is subject to the terms of the HCRx Agreement. We do not retain any meaningful milestone or royalty payments related to the Initial Territory under the A&R Commercialization Agreement until the applicable royalty cap under the HCRx Agreement is met, if at all, or until regulatory approval is achieved in the US or for another market within the Additional Territory.We expect that any revenue we generate from the A&R Commercialization Agreement, subject to the terms of the HCRx Agreement, will fluctuate from period to period as a result of the timing and amount of inventory purchases by Pierre Fabre, royalties from sales by Pierre Fabre, any potential regulatory approvals or milestone achievements and the timing of manufacturing and cell selection technology transfer to Pierre Fabre. Cost of Commercialization RevenueCost of commercialization revenue consists primarily of expenses associated with cell selection services performed for Pierre Fabre, in-license sales-related milestone costs, period manufacturing expenses and the lower of cost or net realizable value adjustments to inventories. The majority of tab-cel (Ebvallo) sold to Pierre Fabre to date had been produced prior to receiving regulatory approval. Costs incurred to produce tab-cel (Ebvallo) prior to regulatory approval, referred to as zero cost inventories, have been recorded as research and development expense in our condensed consolidated statement of operations and comprehensive income (loss). As we sell Ebvallo produced after receiving regulatory approval and in a qualified manufacturing facility, and as revenue is recognized on such Ebvallo shipments, cost of commercialization revenue includes direct and indirect costs related to the production of Ebvallo. Such costs include, but are not limited to, CMO costs, quality testing and validation, materials used in production, and an allocation of compensation, benefits and overhead costs associated with employees involved with production. 30

Â Research and Development Expenses The largest component of our total operating expenses since inception has been our investment in research and development activities, including the preclinical and clinical development of our product candidates. Research and development expenses consist primarily of compensation and benefits for research and development and regulatory support employees, including stock-based compensation; expenses incurred under agreements with contract research organizations and investigative sites that conduct preclinical and clinical studies; the costs of acquiring and manufacturing clinical study materials and other supplies, including expenses incurred under agreements with CMOs for the manufacture of product candidates prior to receiving regulatory approval to manufacture commercial product in a qualified manufacturing facility; payments under licensing and research and development agreements; other outside services and consulting costs; and certain information technology and overhead expenses. Research and development costs are expensed as incurred. We plan to continue investment in the development of our product candidates. Our current planned research and development activities include the following: â€œcontinuing to enroll patients in our Phase 3 clinical study of tab-cel for the treatment of patients with EBV+ PTLD after HCT and SOT who have failed rituximab; â€œprocess development, testing and manufacturing of drug supply to support clinical and IND-enabling studies; â€œcontinuing to develop product candidates based on our next-generation CAR T programs;â€œcontinuing to develop our product candidates in additional indications, including tab-cel for EBV+ cancers;â€œcontinuing to develop other preclinical product candidates; andâ€œleveraging our relationships and experience to in-license or acquire additional product candidates or technologies. In addition, we believe it is important to invest in the development of new product candidates to continue to build the value of our product candidate pipeline and our business. We plan to continue to advance our most promising early product candidates into preclinical development with the objective of advancing these early-stage programs to human clinical studies over the next several years. Our expenditures on current and future preclinical and clinical development programs are subject to numerous uncertainties in timing and cost to completion. The duration, costs, and timing of clinical studies and development of our product candidates will depend on a variety of factors, including: â€œthe availability of qualified drug supply for use in our ongoing Phase 3 or other clinical studies;â€œthe scope, rate of progress, and expenses of our ongoing clinical studies, potential additional clinical studies and other research and development activities;â€œthe potential review or reanalysis of our clinical study results; â€œfuture clinical study results; â€œuncertainties in clinical study enrollment rates or discontinuation rates of patients; â€œpotential additional safety monitoring or other studies requested by regulatory agencies; â€œchanging medical practice patterns related to the indications we are investigating;â€œsignificant and changing government regulation;â€œdisruptions caused by man-made or natural disasters or public health pandemics or epidemics, including, for example, the COVID-19 pandemic; and â€œthe timing and receipt of any regulatory approvals, as well as potential post-market requirements. The process of conducting the necessary clinical research to obtain approval from the FDA and other regulators is costly and time consuming and the successful development of our product candidates is highly uncertain. The risks and uncertainties associated with our research and development projects are discussed more fully in the section of this report titled â€œ1A. Risk Factors.â€ As a result of these risks and uncertainties, we are unable to determine with any degree of certainty the duration and completion costs of our research and development projects, or if, when, or to what extent we will generate revenues from the commercialization and sale of any of our product candidates that obtain regulatory approval. 31

Â General and Administrative Expenses General and administrative expenses consist primarily of compensation and benefits for executive, legal, human resources, finance and other general and administrative employees, including stock-based compensation; professional services costs, including legal, patent, human resources, audit fees, tax and accounting services; other outside services; consulting costs; and certain information technology and overhead expenses. Interest IncomeInterest income consists of interest earned on our cash, cash equivalents and short-term investments. Interest ExpenseInterest expense consists primarily of interest expense recorded in connection with the HCRx Agreement. Critical Accounting Policies and Significant Judgments and Estimates There have been no significant changes to our critical accounting policies and significant judgments and estimates during the nine months ended September 30, 2024 from those disclosed in our

management’s discussion and analysis of financial condition and results of operations included in our Annual Report on Form 10-K for the year ended December 31, 2023 filed with the SEC on March 28, 2024. Results of Operations Comparison of the Three and Nine Months Ended September 30, 2024 and 2023

|                                     | Three Months Ended September 30, 2024 | Nine Months Ended September 30, 2024 | Three Months Ended September 30, 2023 | Nine Months Ended September 30, 2023 |
|-------------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|
| Revenue                             | \$ 40,190                             | \$ 118                               | \$ 40,190                             | \$ 118                               |
| Commercialization revenue           | \$ 40,190                             | \$ 118                               | \$ 40,190                             | \$ 118                               |
| License and collaboration revenue   | \$ 2,020                              | \$ 624                               | \$ 38,170                             | \$ 624                               |
| Total revenue                       | \$ 42,210                             | \$ 124,210                           | \$ 78,360                             | \$ 124,210                           |
| Commercialization expenses          | \$ 4,321                              | \$ 13,922                            | \$ 96,187                             | \$ 13,922                            |
| Research and development expenses   | \$ 14,038                             | \$ 43,924                            | \$ 14,038                             | \$ 43,924                            |
| General and administrative expenses | \$ 10,421                             | \$ 33,421                            | \$ 10,421                             | \$ 33,421                            |
| Other income (expense), net         | \$ 1,183                              | \$ 1,183                             | \$ 1,183                              | \$ 1,183                             |
| Interest income                     | \$ 459                                | \$ 1,218                             | \$ 459                                | \$ 1,218                             |
| Interest expense                    | \$ (1,183)                            | \$ (1,183)                           | \$ (1,183)                            | \$ (1,183)                           |
| Other income (expense), net         | \$ 1,183                              | \$ 1,183                             | \$ 1,183                              | \$ 1,183                             |
| Income before taxes                 | \$ 38,170                             | \$ 110,288                           | \$ 38,170                             | \$ 110,288                           |
| Income tax expense                  | \$ 3,697                              | \$ 10,971                            | \$ 3,697                              | \$ 10,971                            |
| Net income                          | \$ 34,473                             | \$ 99,317                            | \$ 34,473                             | \$ 99,317                            |

Revenue consisted of the following in the periods presented:

|                                   | Three Months Ended September 30, 2024 | Nine Months Ended September 30, 2024 | Three Months Ended September 30, 2023 | Nine Months Ended September 30, 2023 |
|-----------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|
| Commercialization revenue         | \$ 40,190                             | \$ 118                               | \$ 40,190                             | \$ 118                               |
| License and collaboration revenue | \$ 2,020                              | \$ 624                               | \$ 38,170                             | \$ 624                               |
| Total revenue                     | \$ 42,210                             | \$ 124,210                           | \$ 78,360                             | \$ 124,210                           |

Commercialization revenues were \$40.2 million and \$96.2 million for the three and nine months ended September 30, 2024, respectively, as compared to \$2.0 million and \$3.7 million in the respective comparative 2023 periods. The increases in the 2024 periods were primarily due to revenue recognized as a result of the additional performance obligations identified pursuant to the A&R Commercialization Agreement, including, but not limited to, the \$12.2 million and \$36.0 million in fees related to transition plan activities, for the three and nine months ended September 30, 2024, respectively, and the acceleration of the recognition period of the existing performance obligation related to the Initial Territory from the Pierre Fabre Commercialization Agreement. Cost of commercialization revenue consisted of the following in the periods presented:

|                                    | Three Months Ended September 30, 2024 | Nine Months Ended September 30, 2024 | Three Months Ended September 30, 2023 | Nine Months Ended September 30, 2023 |
|------------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|
| Commercialization expense          | \$ 4,321                              | \$ 13,922                            | \$ 96,187                             | \$ 13,922                            |
| Research and development expense   | \$ 14,038                             | \$ 43,924                            | \$ 14,038                             | \$ 43,924                            |
| General and administrative expense | \$ 10,421                             | \$ 33,421                            | \$ 10,421                             | \$ 33,421                            |
| Other income (expense), net        | \$ 1,183                              | \$ 1,183                             | \$ 1,183                              | \$ 1,183                             |
| Interest income                    | \$ 459                                | \$ 1,218                             | \$ 459                                | \$ 1,218                             |
| Interest expense                   | \$ (1,183)                            | \$ (1,183)                           | \$ (1,183)                            | \$ (1,183)                           |
| Other income (expense), net        | \$ 1,183                              | \$ 1,183                             | \$ 1,183                              | \$ 1,183                             |
| Income before taxes                | \$ 38,170                             | \$ 110,288                           | \$ 38,170                             | \$ 110,288                           |
| Income tax expense                 | \$ 3,697                              | \$ 10,971                            | \$ 3,697                              | \$ 10,971                            |
| Net income                         | \$ 34,473                             | \$ 99,317                            | \$ 34,473                             | \$ 99,317                            |

Cost of commercialization revenue was \$7.6 million and \$14.2 million for the three and nine months ended September 30, 2024, respectively, as compared to \$2.6 million and \$5.7 million in the respective comparative 2023 periods. The increases in the 2024 periods were primarily related to higher charges associated with adjustments to reflect inventory at net realizable value, partially offset by a reduction of in-license sales-related milestone expense. Prior to receiving EC regulatory approval for Ebvallo in the EEA in December 2022, we recorded all costs incurred in the manufacture of Ebvallo to be sold upon commercialization as research and development expense. As a result, Ebvallo inventories manufactured before EC regulatory approval, referred to as zero cost inventories, were expensed as research and development and are therefore excluded from the cost of commercialization revenue. Ebvallo manufacturing costs incurred after EC regulatory approval are capitalized into inventory and recorded into cost of commercialization revenue as the related commercialization revenue is recognized. The majority of commercialization revenue recognized to date associated with the sale of Ebvallo has related to zero cost inventories. Research and development expenses

Research and development expenses consisted of the following, by program, in the periods presented:

|                                     | Three Months Ended September 30, 2024 | Nine Months Ended September 30, 2024 | Three Months Ended September 30, 2023 | Nine Months Ended September 30, 2023 |
|-------------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|
| Research and development expense    | \$ 14,038                             | \$ 43,924                            | \$ 14,038                             | \$ 43,924                            |
| Program-specific expenses           | \$ 14,038                             | \$ 43,924                            | \$ 14,038                             | \$ 43,924                            |
| General and administrative expenses | \$ 10,421                             | \$ 33,421                            | \$ 10,421                             | \$ 33,421                            |
| Other income (expense), net         | \$ 1,183                              | \$ 1,183                             | \$ 1,183                              | \$ 1,183                             |
| Interest income                     | \$ 459                                | \$ 1,218                             | \$ 459                                | \$ 1,218                             |
| Interest expense                    | \$ (1,183)                            | \$ (1,183)                           | \$ (1,183)                            | \$ (1,183)                           |
| Other income (expense), net         | \$ 1,183                              | \$ 1,183                             | \$ 1,183                              | \$ 1,183                             |
| Income before taxes                 | \$ 38,170                             | \$ 110,288                           | \$ 38,170                             | \$ 110,288                           |
| Income tax expense                  | \$ 3,697                              | \$ 10,971                            | \$ 3,697                              | \$ 10,971                            |
| Net income                          | \$ 34,473                             | \$ 99,317                            | \$ 34,473                             | \$ 99,317                            |

Research and development expenses were \$14.0 million and \$25.9 million in the three and nine months ended September 30, 2024, respectively, as compared to \$6.1 million and \$14.6 million in the respective comparative 2023 periods. The increases were primarily driven by a \$6.0 million sub-licensing payment made in the third quarter of 2024, as well as higher expenses in support of tab-cel process development, BLA filing and BLA pre-approval inspection activities. Pursuant to the A&R Commercialization Agreement, Pierre Fabre is required to pay us for the majority of these tab-cel expenses incurred. ATA188 expenses were \$0.2 million and \$2.5 million in the three and nine months ended September 30, 2024, respectively, as compared to \$5.8 million and \$17.6 million in the respective comparative 2023 periods. The decreases were due to pausing all clinical trial, development and manufacturing activities related to ATA188 following the announcement in November 2023 that the Phase 2 EMBOLD clinical trial did not meet its primary endpoint. We expect ATA188 expenses to continue to decline in 2024, as we complete the close-out activities of the Phase 2 EMBOLD clinical trial. CAR T and other program expenses were \$3.6 million and \$8.5 million in the three and nine months ended September 30, 2024, respectively, materially consistent with the \$3.4 million and \$8.6 million in the respective comparative 2023 periods. Non program-specific expenses were \$26.1 million and \$85.9 million in the three and nine months ended September 30, 2024, respectively, as compared to \$41.6 million and \$134.3 million in the respective comparative 2023 periods. The decreases were primarily due to lower payroll and related costs, driven by the November 2023 and January 2024 reductions in force, as well as lower CMO expenses driven by a decrease in amounts accrued related to minimum commitments. Relative to the 2023 comparative period, for the three months ended September 30, 2024, payroll and related costs decreased by \$9.7 million; facility-related costs decreased by \$2.3 million; outside services costs decreased by \$1.8 million; and other non-program specific costs decreased by \$1.7 million. Relative to the 2023 comparative period, for the nine months ended September 30, 2024, payroll and related costs decreased by \$27.6 million; facility-related costs decreased by \$3.4 million; outside services costs decreased by \$12.2 million; and other non-program specific costs decreased by \$5.2 million. General and administrative expenses

General and administrative expenses were \$10.4 million and \$30.4 million in the three and nine months ended September 30, 2024, respectively, as compared to \$12.2 million and \$39.5 million in the respective comparative 2023 periods. The decreases in the 2024 periods were primarily due to lower payroll and compensation-related costs as a result of the November 2023 and January 2024 reductions in force. Other income (expense), net

Other income (expense), net was \$1.183 million and \$1.183 million in the three and nine months ended September 30, 2024, respectively, as compared to \$1.2 million and \$4.7 million in the respective comparative 2023 periods. The decreases in the 2024 periods were primarily due to lower average balances of cash, cash equivalents and available-for-sale securities. Interest expense and other income (expense), net remained materially consistent with the comparative period. Liquidity and Capital Resources

Sources of Liquidity Since our inception in 2012, we have funded our operations primarily through the issuance of common and preferred stock, issuance of pre-funded warrants to purchase common stock, upfront fees and milestone payments from the Research, Development and License Agreement with Bayer (Bayer License Agreement) that terminated in 2022 and the A&R Commercialization Agreement and the sale of our manufacturing facility located in Thousand Oaks, California (ATOM Facility) to FDB in 2022. In the past three years, we have entered into two separate sales agreements with Cowen and Company, LLC (Cowen): in November 2021 (2021 ATM Facility) and in November 2023 (2023 ATM Facility). Each ATM facility provides or provided for the sale, in our sole discretion, of shares of our common stock having an aggregate offering price of up to \$100.0 million, through Cowen, as our sales agent. We filed a registration statement on Form S-3 registering the offer and sale of these shares under the Securities Act (the 2023 Registration Statement). Upon the effectiveness of the 2023 Registration Statement, the 2021 ATM Facility was terminated, and no further sales can be made under the 2021 ATM Facility. The issuance and sale of these shares by us pursuant to the ATM facilities are deemed “at the market” offerings defined in Rule 415 under the Securities Act of 1933, as amended (Securities Act), and were registered under the Securities Act. Commissions of up to 3.0% are due on the gross sales proceeds of the common stock sold under each ATM facility. During the nine months ended September 30, 2024, we sold an aggregate of 492,855 shares of common stock under the 2023 ATM Facility, at an average price of \$19.23 per share for gross proceeds of \$9.5 million and net proceeds of \$9.3 million, after deducting commissions and other offering expenses payable by us. As of September 30, 2024, we had \$88.7 million of common stock remaining and available to be sold under the 2023 ATM Facility. 34 We have incurred losses and negative cash flows from operations in each year since inception and have only just begun to generate commercialization revenues from the A&R Commercialization Agreement, following the December 2022 EU regulatory approval of Ebvallo, which is subject to the terms of the HCRx Agreement. We do not retain any meaningful milestone or royalty payments from Pierre Fabre relative to the Initial Territory until the applicable royalty cap under the HCRx Agreement is met, if at all. We continue to incur significant research and development and other expenses related to our ongoing operations and expect to incur losses for the foreseeable future. As a result, we will need additional capital to fund our operations, which we may raise through a combination of equity offerings, debt financings, other third-party funding and other collaborations, strategic alliances and partnering arrangements. We may borrow funds on terms that may include restrictive covenants, including covenants that restrict the operation of our business, liens on assets, high effective interest rates and repayment provisions that reduce cash resources and limit future access to capital markets. In addition, we expect to continue to opportunistically seek access to additional funds through additional public or private equity offerings or debt financings including by utilizing the 2023 ATM Facility, through potential collaboration, partnering or other strategic arrangements, or a combination of the foregoing. To the extent that we raise additional capital by issuing equity securities, our stockholders may experience substantial dilution. To the extent that we raise additional funds through collaboration or partnering arrangements, we may be required to relinquish some of our rights to our technologies or rights to market and sell our products in certain geographies or grant licenses or other rights on terms that are not favorable to us. Cash in excess of immediate requirements is invested in accordance with our investment policy, primarily with a view to liquidity and capital preservation. Currently, our cash, cash equivalents and short-term investments are held in bank and custodial accounts and consist of money market funds, U.S. Treasury and corporate debt obligations. Our cash, cash equivalents and short-term investments balances as of the dates indicated were as follows:

|                                                         | September 30, 2024 | December 31, 2023 | September 30, 2023 |
|---------------------------------------------------------|--------------------|-------------------|--------------------|
| Cash and cash equivalents                               | \$ 46,453          | \$ 25,841         | \$ 20,736          |
| Short-term investments                                  | \$ 20,736          | \$ 25,884         | \$ 25,884          |
| Total cash, cash equivalents and short-term investments | \$ 67,189          | \$ 51,725         | \$ 46,620          |

Cash Flows Comparison of the Nine Months Ended September 30, 2024 and 2023

|                                                                       | Nine Months Ended September 30, 2024 | Nine Months Ended September 30, 2023 |
|-----------------------------------------------------------------------|--------------------------------------|--------------------------------------|
| Net cash (used in) provided by:                                       |                                      |                                      |
| Operating activities                                                  | \$ (44,246)                          | \$ (142,571)                         |
| Investing activities                                                  | \$ 5,248                             | \$ 113,922                           |
| Financing activities                                                  | \$ 59,610                            | \$ 498                               |
| Net increase (decrease) in cash, cash equivalents and restricted cash | \$ 20,612                            | \$ (28,151)                          |

Operating activities Net cash used in operating activities was \$44.2 million in the nine months ended September 30, 2024 as compared to \$142.6 million in the comparative 2023 period. The decrease of \$98.3 million was partially due to increased payments received from Pierre Fabre pursuant to the A&R Commercialization Agreement, including \$33.8 million in transition services fees and \$20 million higher cash received for upfront and milestone fees. The remaining decrease resulted from lower net operating expenditures, including, but not limited to, lower cash compensation-related costs from a decrease in headcount resulting from the November 2023 and January 2024 reductions in force. Investing activities Net cash provided by investing activities in the nine months ended September 30, 2024 consisted primarily of \$25.1 million received from maturities and sales of available-for-sale securities, partially offset by \$19.7 million used to purchase available-for-sale securities. Net cash provided by investing activities in the comparative 2023 period primarily consisted of \$198.7 million received from maturities and sales of available-for-sale securities, partially offset by \$83.6 million used to purchase available-for-sale securities. 35 Financing activities Net cash provided by financing activities in the nine months ended September 30, 2024 primarily consisted of \$50.8 million of net proceeds received from the issuance of common stock and pre-funded warrants to purchase common stock in direct registered offerings and \$9.3 million of net proceeds received from the 2023 ATM Facility. Net cash

provided by financing activities in the comparative 2023 period consisted primarily of \$0.7 million from employee stock award transactions and \$0.6 million of net proceeds received from the 2021 ATM Facility, partially offset by \$0.7 million in principal payments on finance lease obligations. Operating Capital Requirements and Plan of Operations We expect that existing cash, cash equivalents and short-term investments, combined with certain anticipated payments from the A&R Commercialization Agreement, as well as cost reductions from completed workforce reductions and operating efficiencies resulting from our planned transition of substantially all activities relating to tab-cel at the time of the BLA transfer to Pierre Fabre, will enable us to fund our planned operations into 2027. Such anticipated payments are estimates based on assumptions and plans that are subject to change and such changes could materially impact our expected cash runway. These assumptions include the receipt of future payments that are dependent upon the successful acceptance and approval of the tab-cel BLA, as well as the completion of specific development and regulatory activities by us and actions taken by third parties, and are, therefore, uncertain at this time. We do not know when, or if, we will generate sufficient revenue from commercialization to offset our operating expenses. We anticipate that we will continue to generate losses for the foreseeable future, and we expect the accumulated losses to increase as we continue the development of, and seek regulatory approvals for, our product candidates and begin to commercialize any approved products. We are subject to all of the risks inherent in the development of new products, and we may encounter unforeseen expenses, difficulties, complications, delays and other unknown factors that may adversely affect our business. We anticipate that we will need to raise substantial additional funding to finance our planned operations in the long-term. Our operating plan may change as a result of many factors currently unknown to us, and we may need additional funds sooner than planned. We do not have any committed external source of funds other than milestone and royalty payments that we may receive under the A&R Commercialization Agreement, subject to the terms of the HCRx Agreement. We do not retain any meaningful milestone or royalty payments related to the Initial Territory from Pierre Fabre until the applicable royalty cap under the HCRx Agreement is met, if at all. Our existing cash, cash equivalents and short-term investments as of September 30, 2024 will not be sufficient to fund our planned operations for at least the next 12 months after the date of issuance of these financial statements. These conditions raise substantial doubt about our ability to continue as a going concern for at least 12 months after the issuance of the accompanying condensed consolidated financial statements. In order to complete the process of obtaining regulatory approval for any of our product candidates that have not received approval, we will require substantial additional funding. We expect to continue to opportunistically seek access to additional funds through additional public or private equity offerings or debt financings, through potential collaboration, partnering or other strategic arrangements, or a combination of the foregoing. If we are unable to obtain sufficient funding on acceptable terms, we could be forced to delay, limit, reduce or terminate preclinical studies, clinical studies or other development activities for one or more of our product candidates. We have based our projections of operating capital requirements on assumptions that may prove to be incorrect, and we may use all of our available capital resources sooner than we expect. Because of the numerous risks and uncertainties associated with research, development and commercialization of pharmaceutical products, we are unable to estimate the exact amount of our operating capital requirements. Our future funding requirements will depend on many factors, including, but not limited to: the timing, costs and results of our ongoing and planned clinical and preclinical studies for our product candidates; our success in establishing and maintaining manufacturing relationships with CMOs; the number and characteristics of product candidates that we pursue; the outcome, timing and costs of seeking regulatory approvals; subject to receipt of regulatory approval, costs associated with the commercialization of our product candidates by our partners and the amount of revenues received from commercial sales of our product candidates; the timing of proceeds from, and our ability to perform under, the A&R Commercialization Agreement, subject to the HCRx Agreement, as well as the terms and timing of any future commercialization, collaboration, licensing, partnering or other arrangements that we may establish; the amount and timing of any payments we may be required to make in connection with the licensing, filing, prosecution, maintenance, defense and enforcement of any patents or patent applications or other intellectual property rights; the extent to which we in-license or acquire other products and technologies; and the timing of the qualification of our CMOs' manufacturing facilities. Until we are able to generate a sufficient amount of net cash inflows from operations, which we may never do, meeting our long-term capital requirements is in large part reliant on access to public and private equity and debt capital markets, augmented by cash generated from operations and interest income earned on the investment of our cash balances. We expect to continue to seek access to the equity and debt capital markets to support our development efforts and operations. To the extent that we raise additional capital by issuing equity securities, our stockholders may experience substantial dilution. To the extent that we raise additional funds through commercialization, collaboration or partnering arrangements, we may be required to relinquish some of our rights to our technologies or rights to market and sell our products in certain geographies, grant licenses or other rights on terms that are not favorable to us, or issue equity that may be substantially dilutive to our stockholders. As a result of economic conditions, general global economic uncertainty, political change and other factors, we do not know whether additional capital will be available when needed, or that, if available, we will be able to obtain additional capital on reasonable terms. If we are unable to raise additional capital due to the volatile global financial markets, general economic uncertainty or other factors, we will be forced to delay, limit, reduce or terminate preclinical studies, clinical studies or other development activities for one or more of our product candidates. Contractual Obligations and Commitments Our contractual obligations primarily consist of our obligations under non-cancellable operating and finance leases and contracts we enter into in the normal course of business with clinical research organizations for clinical studies, with CMOs for clinical and commercial materials, and with other vendors for preclinical studies and supplies and other services and products for operating purposes. These contracts generally provide for termination for convenience following a notice period. There have been no material changes to our contractual obligations and commitments reported in our Annual Report on Form 10-K for the year ended December 31, 2023 filed with the SEC on March 28, 2024. Item 3. Quantitative and Qualitative Disclosures about Market Risk During the nine months ended September 30, 2024, there were no material changes to our interest rate risk disclosures, market risk disclosures and foreign currency exchange rate risk disclosures reported in our Annual Report on Form 10-K for the year ended December 31, 2023 filed with the SEC on March 28, 2024. Item 4. Controls and Procedures Evaluation of Disclosure Controls and Procedures Under the supervision of our Chief Executive Officer and Chief Financial Officer, we evaluated the effectiveness of our disclosure controls and procedures, as defined in Rules 13a-15(e) and 15d-15(e) of the Securities Exchange Act (Exchange Act) as of September 30, 2024. Based on that evaluation, our Chief Executive Officer and Chief Financial Officer have concluded that our disclosure controls and procedures were effective as of September 30, 2024 to ensure that information required to be disclosed by us in the reports we file or submit under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in the SEC's rules and forms, and that such information is accumulated and communicated to our management, including our Chief Executive Officer and Chief Financial Officer, as appropriate to allow timely discussion regarding required disclosures. In designing and evaluating our disclosure controls and procedures, management recognizes that any disclosure controls and procedures, no matter how well designed and operated, can provide only reasonable assurance of achieving the desired control objectives. In addition, the design of disclosure controls and procedures must reflect the fact that there are resource constraints and that management is required to apply its judgment in evaluating the benefits of possible controls and procedures relative to their costs. Changes in Internal Control over Financial Reporting There was no change in our internal control over financial reporting identified in connection with the evaluation required by Rules 13a-15(d) and 15d-15(d) of the Exchange Act that occurred during the three months ended September 30, 2024 that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting. 37 PART II. OTHER INFORMATION Item 1. Legal Proceedings None. Item 1A. Risk Factors Investing in our common stock involves a high degree of risk. Investors should carefully consider all of the risk factors and uncertainties described below, in addition to the other information contained in this Quarterly Report on Form 10-Q, including the section of this report titled "Management's Discussion and Analysis of Financial Condition and Results of Operations" and our consolidated and combined financial statements and related notes, before investing in our common stock. The risks described below may not be the only ones relating to our company and additional risks that we currently believe are immaterial may also affect us. If any of these risks, including those described below, materialize, our business, competitive position, reputation, financial condition, results of operations, cash flows and future prospects could be seriously harmed. In these circumstances, the market price of our securities could decline, and investors may lose all or a part of their investment. Risks Related to Our Financial Results and Capital Needs We have incurred substantial losses since our inception and anticipate that we will continue to incur substantial losses for the foreseeable future. Investment in biopharmaceutical product development is highly speculative because it entails substantial upfront capital expenditures and significant risk that product candidates will fail to prove effective, gain regulatory approval or become commercially viable. We have one product, Ebvallo, which is approved in the EEA, the UK and Switzerland and have generated limited revenues from commercialization, and have incurred significant research, development and other expenses related to our ongoing operations and expect to continue to incur such expenses. As a result, we have incurred significant operating losses in every annual reporting period since our inception. For the nine months ended September 30, 2024, we reported a net loss of \$72.7 million. We do not know when, or if, we will generate sufficient revenue from commercialization to offset our operating expenses. We expect to continue to incur significant expenses and operating losses for the foreseeable future as we continue to research, develop and seek regulatory approvals for our product candidates and any additional product candidates we may acquire, in-license or develop. We may encounter unforeseen expenses, difficulties, complications, delays and other unknown factors that may adversely affect our business. The size of our future net losses will depend, in part, on the rate of change of our expenses and our ability to generate revenues. If any of our product candidates fails in clinical studies or does not gain regulatory approval, or if approved, fails to achieve market acceptance, we may never become profitable. Even if we achieve profitability in the future, we may not be able to sustain profitability in subsequent periods. Our expenses may increase in the future as we continue to invest in research and development of our existing product candidates, investigate and potentially acquire new product candidates. We have a limited operating history, which may make it difficult to evaluate the success of our business to date and to assess our future viability. Our operations to date have been limited to organizing and staffing our company, acquiring product and technology rights and conducting product development activities for our product candidates. We have not yet demonstrated our ability to successfully complete any Phase 3 clinical studies, obtain regulatory approval in the U.S., consistently manufacture a commercial scale product or arrange for a third party to do so on our behalf, or conduct sales and marketing activities necessary for successful commercialization for any of our product candidates or arrange for a third party to do so on our behalf. In addition, the adoptive immunotherapy technology underlying our T-cell product candidates, including our next-generation CAR T programs, is new and largely unproven. Any predictions about our future success, performance or viability, particularly in view of the rapidly evolving immunotherapy field, may prove to be inaccurate. In addition, as a young business, we may encounter unforeseen expenses, difficulties, complications, delays and other known and unknown factors. We expect our financial condition and operating results to continue to fluctuate significantly from quarter to quarter and year to year due to a variety of factors, many of which are beyond our control. Accordingly, any of our quarterly or annual periods' results are not indicative of future operating performance. 38 A We have earned limited commercialization revenues to date. We may never achieve profitability. To date, we have generated only limited revenues from commercialization. We have obtained regulatory approval for one product, Ebvallo, in the EEA, Switzerland and the UK. We have out-licensed the commercialization rights to tab-cel (Ebvallo in the EEA, Switzerland and the UK) to Pierre Fabre under the A&R Commercialization Agreement and we have sold certain royalty and milestone interests for the Initial Territory, subject to a specified cap, to HCRx pursuant to the HCRx Agreement. Our ability to generate revenues from commercialization and achieve profitability will be subject to the A&R Commercialization Agreement, the HCRx Agreement and depend on our commercialization partners' ability to successfully commercialize products, including any of our current product and product candidates, and other product candidates that we may develop, in-license or acquire in the future. Our ability to generate revenues from the sale of products and achieve profitability will also depend on a number of additional factors, including our ability to: successfully complete development activities, including the necessary clinical studies with positive results; complete and submit regulatory submissions to the FDA, EMA or other agencies and obtain

regulatory approval for indications for which there is a commercial market;â€¢develop manufacturing and distribution processes for our novel T-cell immunotherapy product candidates;â€¢develop commercial quantities of our products, including at acceptable cost levels;â€¢establish and maintain adequate supply of our products, including cell lines with sufficient breadth to treat patients;â€¢establish and maintain manufacturing and commercialization relationships with reliable third parties;â€¢qualify our CMOsâ€™ manufacturing facilities such that we can maintain the supply of our products by ensuring adequate manufacturing of bulk drug substances and drug products in a manner that is compliant with global legal and regulatory requirements;â€¢achieve market acceptance of and pricing and reimbursement for our products, if any;â€¢attract, hire and retain qualified personnel;â€¢protect our rights in our intellectual property and regulatory protections portfolio; andâ€¢find suitable commercialization partners who can obtain coverage and adequate reimbursement from third parties, including government payors, set commercially viable prices, market, sell and distribute our approved products. Our revenues from Ebvallo or any product candidate for which regulatory approval is obtained will be dependent, in part, upon the size of the markets in the territories for which we gain regulatory approval, the accepted price for the product, the ability to get reimbursement at any price, and the terms and conditions of our commercialization agreement with our partner for that territory. We do not retain any meaningful milestones or royalty payments from Pierre Fabre for Ebvallo in the Initial Territory until the applicable royalty cap under the HCRx Agreement is met, which could take many years, if at all. If the number of our addressable disease patients is not as significant as we estimate, the indication approved by regulatory authorities is narrower than we expect, or the reasonably accepted population for treatment is narrowed by competition, physician choice, treatment guidelines or a reduction in the incidence of the addressable disease, our partners may not successfully commercialize our products, even if approved. The timing and amount of any milestone and royalty payments we may receive from our partners, as well as the commercial success of our products will depend on, among other things, the efforts, allocation of resources, negotiation of pricing and reimbursement and successful commercialization of our products by our partners. As a result, even if we generate product revenues, we may not become profitable and may need to obtain additional funding to continue operations. If we fail to become profitable or are unable to sustain profitability on a continuing basis, then we may be unable to continue our operations at planned levels and may be forced to reduce our operations. We will require substantial additional financing on terms acceptable to us to achieve our goals, and a failure to obtain this necessary capital when needed could force us to delay, limit, reduce or terminate our product development or manufacturing efforts. We expect to expend substantial resources for the foreseeable future to continue the clinical development and manufacturing of our T-cell immunotherapy product candidates, and the advancement and expansion of our preclinical research pipeline. We also expect to continue to expend resources for the development and manufacturing of our product and product candidates and the technology we have licensed or have an exclusive right to license from our partners. These expenditures will include costs associated with research and development, potentially acquiring or licensing new product candidates or technologies, conducting preclinical and clinical studies and potentially obtaining regulatory approvals and manufacturing products. Under the terms of our license agreements with each of our in-license partners, we are obligated to make payments upon the achievement of certain development, regulatory and commercial milestones. In addition, other unanticipated costs may arise. Because the design and outcome of our ongoing, planned and anticipated clinical studies is highly uncertain, we cannot reasonably estimate the actual amounts necessary to successfully complete the development and commercialization of our product and product candidates. 39 Â Our future capital requirements depend on many factors, including: â€¢the scope, progress, results and costs of researching and developing our product candidates, and conducting preclinical and clinical studies; â€¢the timing of, and the costs involved in, obtaining regulatory approvals for our product candidates, if clinical studies are successful, including any costs from post-market requirements; â€¢the cost of contracting for the manufacture of our product and product candidates for clinical studies in preparation for regulatory approval and in preparation for commercialization; â€¢our ability to establish and maintain strategic licensing or other arrangements and the financial terms of such agreements; â€¢the costs to develop, acquire or in-license future product candidates or technologies;â€¢the costs involved in preparing, filing, prosecuting, maintaining, expanding, defending and enforcing patent claims, including litigation costs and the outcome of such litigation; â€¢the timing, receipt and amount of sales of, or royalties on, our product and future products, if any; and â€¢the emergence of competing technologies or other adverse market developments. We expect that our existing cash, cash equivalents and short-term investments, combined with certain anticipated payments from the A&R Commercialization Agreement, as well as cost reductions from completed workforce reductions and operating efficiencies resulting from our planned transition of substantially all activities relating to tab-cel at the time of the BLA transfer to Pierre Fabre, will enable us to fund our planned operations into 2027. Such anticipated payments are estimates based on assumptions and plans that are subject to change and such changes could materially impact our cash runway. These assumptions include the receipt of future payments that are dependent upon the successful acceptance and approval of the tab-cel BLA, as well as the completion of specific development and regulatory activities by us and actions taken by third parties, and are, therefore, uncertain at this time. Our operating plan may change as a result of many factors currently unknown to us, and we may need additional funds sooner than planned. We do not have any committed external source of funds other than milestone and royalty payments that we may receive under the A&R Commercialization Agreement, subject to the terms of the HCRx Agreement. We do not retain any meaningful milestone or royalty payments related to the Initial Territory from Pierre Fabre until the applicable royalty cap under the HCRx Agreement is met, if at all. As of September 30, 2024, we had total cash, cash equivalents and short-term investments of \$67.2 million. Our existing cash, cash equivalents and short-term investments as of September 30, 2024 will not be sufficient to fund our planned operations for at least the next twelve months from the date of issuance of these financial statements. These conditions, including the uncertainties surrounding our receipt of certain anticipated payments, raise substantial doubt about our ability to continue as a going concern for at least 12 months after the issuance of the accompanying condensed consolidated financial statements. To alleviate the conditions that raise substantial doubt about our ability to continue as a going concern, we plan to secure additional capital, potentially through a combination of public or private security offerings; use of our ATM facility; and/or strategic transactions. We may also need to raise additional funding as required based on the status of our development programs and our projected cash flows. Although we have been successful in raising capital in the past, and expect to continue to raise capital as required, there is no assurance that we will be successful in obtaining sufficient funding on terms acceptable to us to fund continuing operations, if at all, or identify and enter into any strategic transactions that will provide the capital that we will require. If we are unable to obtain sufficient funding on acceptable terms, we could be forced to delay, limit, reduce or terminate preclinical studies, clinical studies or other development activities for one or more of our product candidates, which could have a material adverse effect on our business, results of operations, and financial condition. Raising additional capital may cause dilution to our existing stockholders, restrict our operations or require us to relinquish rights to our product candidates on terms that are unfavorable to us. We plan to seek required additional capital, and may do so through a variety of means, including through private and public equity offerings and debt financings. For example, in December 2022, we sold certain of our royalty and milestone interests related to the Pierre Fabre Commercialization Agreement, subject to a specified cap, to HCRx pursuant to the HCRx Agreement. To the extent that we raise additional capital through the sale of equity or convertible debt securities, or if existing holders of warrants exercise their rights to purchase common stock, the ownership interest of existing stockholders will be diluted, and the terms may include liquidation or other preferences that adversely affect the rights of stockholders. To the extent equity valuations, including the trading price of our common stock, are depressed as a result of economic disruptions or other uncertainties, for example due to rising inflationary pressures, the war in Ukraine, the war in the Middle East or other factors, the potential magnitude of this dilution will increase. Debt financing, if available, may involve 40 Â agreements that include covenants limiting or restricting our ability to take certain actions, including incurring additional debt, making capital expenditures, entering into licensing arrangements, or declaring dividends. If we raise additional funds from third parties, we may have to relinquish valuable rights to our technologies or product candidates or grant licenses or other rights on terms that are not favorable to us. If we are unable to raise additional funds through equity or debt financing when needed, we may be required to delay, limit, reduce or terminate our product development efforts for our product candidates, grant to others the rights to develop and market product candidates that we would otherwise prefer to develop ourselves or take other actions that are adverse to our business. Our workforce reductions may not result in anticipated savings, could result in total costs and expenses that are greater than expected and could disrupt our business. In August 2022, we reduced our workforce by approximately 20% across all areas of our company, including members of management. In November 2023, we further reduced our workforce by approximately 30%. In January 2024, we announced another reduction of our workforce by approximately 25%. The reductions in force reflect a prioritization around key research and development programs and the reduction of our expense profile. We may not realize, in full or in part, the anticipated benefits, savings and improvements in our cost structure from our restructuring efforts due to unforeseen difficulties, delays or unexpected costs. If we are unable to realize the expected operational efficiencies and cost savings from restructuring, our operating results and financial condition would be adversely affected. We also cannot be certain that we will not have to undertake additional workforce reductions or restructuring activities in the future. Furthermore, our cost savings plan may be disruptive to our operations, which could affect our ability to generate product revenue. In addition, our workforce reductions could yield unanticipated consequences, such as attrition beyond planned staff reductions, or disruptions in our day-to-day operations. Our workforce reductions could also harm our ability to attract and retain qualified management, scientific, clinical, and manufacturing personnel who are critical to our business. Any failure to attract or retain qualified personnel could prevent us from successfully developing and commercializing our product candidates in the future, including tab-cel, if approved. There can be no assurance that we will achieve all of the anticipated benefits of the Fujifilm Transaction and we could face unanticipated challenges. We may not realize some or all of the anticipated benefits from the Fujifilm Transaction and we may encounter post-closing risks, including associated with the provision of services to us by FDB pursuant to the Fujifilm MSA. We may experience increased difficulty and loss of institutional knowledge as a result of the transfer of ATOM Facility employees to FDB in connection with the Fujifilm Transaction, which could harm our business. Additionally, significant time and resources may be required from us, which could disrupt our business and distract management from other responsibilities, which may result in losses or continued financial involvement in the ATOM Facility, including through indemnification or other financial arrangements, which could adversely affect our financial results. Risks Related to the Development of Our Product and Product Candidates We have one approved product, Ebvallo, which is currently approved in the European Economic Area (EEA), the UK, and Switzerland. Besides Ebvallo, we are generally early in our development efforts, with only one product candidate in clinical development. All of our other product candidates are still in preclinical development. If we or our collaborators are unable to successfully develop, manufacture and commercialize our product or product candidates or experience significant delays in doing so, our business may be materially harmed. We have one approved product, Ebvallo, which is currently approved in the EEA, the UK, and Switzerland. We are generally early in our development efforts, with only one product candidate in clinical development. The majority of our product candidates are currently in preclinical development. We have invested substantial resources in identifying and developing potential product candidates, conducting preclinical and clinical studies, manufacturing activities, and preparing for the commercial launch of our product and product candidates. Our ability to generate revenues from the sale of our product and product candidates, if approved, will depend heavily on the successful development, manufacture and our partners' eventual commercialization of our product and product candidates. The success of our product and product candidates will depend on many factors, including the following: â€¢completion of preclinical and clinical studies with positive results, including demonstrating the stability, safety, purity, and potency of our product candidates to the satisfaction of the FDA or other regulatory agencies;â€¢receipt of regulatory approvals from applicable authorities, including required authorizations for clinical trials and marketing authorizations;â€¢protecting our rights in our intellectual property portfolio, including by obtaining and maintaining patent and trade secret protection and regulatory exclusivity for our product candidates; 41 Â â€¢establishing or making successful arrangements with third party manufacturers and commercialization partners; â€¢qualifying our and our CMOsâ€™ manufacturing facilities for clinical and commercial manufacturing purposes;â€¢developing manufacturing and distribution processes for our novel T-cell product candidates and next-generation CAR T programs;â€¢contracting

with third parties for the manufacture of our product candidates at an acceptable cost; and contracting with third parties for commercialization of our products on terms favorable to us, if approved by applicable regulatory authorities; and acceptance of our products, if approved by applicable regulatory authorities, by patients and the medical community; and our partners' ability to obtain and maintain coverage and adequate reimbursement by third-party payors, including government payors, for our products, if approved by applicable regulatory authorities; and effectively competing with other therapies; and maintaining a continued acceptable benefit/risk profile of the products following approval; and maintaining and growing an organization of scientists and functional experts who can develop our products and technology. If we do not achieve one or more of these factors in a timely manner or at all, we could experience significant delays or an inability to successfully develop and commercialize our product candidates, which could materially harm our business. We have been affected by and could be adversely affected in the future by the effects of health epidemics and pandemics, including the COVID-19 pandemic, which could materially and adversely affect our business and operations in the future, as well as the businesses and operations of third parties on which we rely. Our business could be adversely affected by health epidemics and pandemics, including the COVID-19 pandemic, which presented a substantial public health and economic challenge around the world and has affected, and continues to affect, our employees, patients, communities and business operations, as well as the U.S. economy and financial markets. We continue to maintain essential in-person manufacturing and laboratory functions in order to advance key research, development and manufacturing priorities. In connection with these measures, we may be subject to claims based upon, arising out of, or related to COVID-19 and our actions and responses thereto. The effects of potential future state executive orders, local shelter-in-place orders, government-imposed quarantines, our work-from-home policies and other similar actions may negatively impact productivity, disrupt our business and delay our clinical programs and timelines, the magnitude of which will depend, in part, on the length and severity of the restrictions and other limitations on our ability to conduct our business in the ordinary course. Further quarantines, shelter-in-place or similar restrictions and other actions taken by foreign, federal, state and local governments, or the perception that such orders, shutdowns or other restrictions on the conduct of business operations could be reinstated, related to COVID-19, other health epidemics and pandemics, or other infectious diseases, could impact our manufacturing capabilities and third party manufacturing facilities in the United States and other countries, or the availability or cost of materials, which would disrupt our supply chain. In particular, standard transportation channels were impacted and may again be impacted, and we and other manufacturing, testing, product disposition, CMOs and external testing laboratories are subject to enhanced risk assessment and mitigation measures. In addition, there were and may continue to be interruptions in the supply of leukapheresis collections, which supply raw materials used in our products. Our clinical trials may also be affected by health epidemics and pandemics and have been affected by the COVID-19 pandemic. Clinical site initiation and patient enrollment experienced delays as a result of the COVID-19 pandemic, including due to the prioritization of hospital resources toward COVID-19 and away from clinical trials and as a result of changing practice patterns that impact the diseases our trials address. Some patients may not be able to comply with clinical trial protocols if quarantines impede patient movement or interrupt healthcare services or if patients are forced to quarantine due to a health epidemic or pandemic. For example, while most clinical trial sites for our studies, including our Phase 3 clinical trial of tab-cel in patients with EBV+ PTLD, remained open to enrollment for patients, some sites limited the screening and enrollment of new patients due to governmental orders related to COVID-19, or fear of infection of COVID-19, limited, and may limit in the future, patients' abilities to access clinical sites. Pandemic-related travel restrictions may also interrupt key clinical trial activities, such as clinical trial site data monitoring and the collection, processing and analyses of efficacy, safety and translational data. For example, at the outset of the COVID-19 pandemic, we observed a temporary slow-down in stem cell and solid organ transplant volumes, which may have decreased the eligible patient population for the tab-cel Phase 3 study. In April 2020, we initiated a temporary pause in the screening and enrollment of patients in our EMBOLD study of ATA188 in patients 42 Å with PMS. Although we were able to resume the screening and enrollment of patients in our EMBOLD study and enrolled the first patient in the study in June 2020, the COVID-19 pandemic required us to pause screening and enrollment of patients in our clinical studies. Similarly, our ability to recruit and retain principal investigators and site staff who, as healthcare providers, may have heightened exposure to health epidemics and pandemics, may be adversely impacted. In addition, to the extent the COVID-19 pandemic adversely affected our business and results of operations, it may also have the effect of heightening many of the other risks and uncertainties described elsewhere in this "Risk Factors" section. Our future success is dependent on the marketing authorization of our product candidates. We only have one product, Ebvallo, that has gained marketing authorization, with approval currently in the EEA, the UK, and Switzerland. Our prioritized clinical-stage product candidates include tab-cel (tabelecleucel) in the U.S. and ATA3219. Our business is substantially dependent on our ability to obtain regulatory approval for, and, if approved, to find a partner who can successfully commercialize our product candidates in a timely manner. Neither we nor our partners can commercialize product candidates in the U.S. without first obtaining marketing authorization for the product candidates from the FDA; similarly, neither we nor our partners can commercialize product candidates outside of the U.S. without obtaining marketing authorization from comparable foreign regulatory authorities. Before obtaining regulatory approvals for the commercial sale of any product candidate for a target indication, we must demonstrate with substantial evidence gathered in preclinical and clinical studies that the product candidate is safe and effective for use for that target indication and that the manufacturing facilities, processes and controls are adequate with respect to such product candidate to assure stability, safety, purity and potency. The time required to obtain approval by the FDA and comparable foreign regulatory authorities is unpredictable but typically takes many years following the commencement of preclinical and clinical studies and depends upon numerous factors, including the substantial discretion of the regulatory authorities. The novel nature of our product candidates may create further challenges in obtaining regulatory approval. For example, the FDA and comparable foreign regulatory authorities have limited experience with regulating the development and commercialization of T-cell immunotherapies, particularly allogeneic T-cell product candidates, and CAR T therapies, including assessing the comparability of different versions of such product candidates. In addition, approval policies, regulations, regulatory positions or the type and amount of clinical and other data necessary to gain approval may change during the course of a product candidate's clinical development and throughout regulatory interactions, and may vary among jurisdictions, particularly for novel therapies. The EC has approved the MAA for Ebvallo as a monotherapy treatment for patients with EBV+ PTLD who have received at least one prior therapy under "exceptional circumstances," which is a pathway under which marketing authorization is granted when "comprehensive data cannot be obtained even after authorization." The MHRA and Swissmedic approved the marketing application for Ebvallo leveraging the EMA assessment. Under the exceptional circumstances marketing authorization, our commercial partner, Pierre Fabre, is subject to ongoing post-marketing obligations to continue confirmation of the benefits of Ebvallo, and if any of our other product candidates are approved under this pathway, we or our future commercial partners will be subject to this obligation. Continuation of the Ebvallo marketing authorization is subject to annual re-assessment. The annual re-assessment will determine whether the Ebvallo marketing authorization should be maintained, changed, or suspended, based on Pierre Fabre's fulfillment of post-marketing obligations and the risk/benefit profile of Ebvallo. If we, or our commercial partners, do not satisfy the ongoing post-marketing obligations or the risk/benefit profile of Ebvallo is determined not to be acceptable based on new clinical or post-marketing data, the EC, MHRA, or Swissmedic may change or suspend the marketing approval for Ebvallo. We have not obtained regulatory approval for any other product candidate, and it is possible that none of our existing product candidates or any future product candidates will ever obtain regulatory approval. Our product candidates could fail to receive regulatory approval from the FDA or a comparable foreign regulatory authority for many reasons, including: and disagreement with the design or conduct of our clinical studies; and failure to demonstrate positive benefit/risk profile of the product candidate for its proposed indication; and failure to demonstrate the stability, safety, purity and potency of the product candidate; and failure of clinical sites to conduct the study in accordance with applicable regulatory requirements; and failure of clinical studies to meet the level of statistical significance required for approval; and disagreement with our interpretation of data from preclinical studies or clinical studies; and the insufficiency of data collected from clinical studies of our product candidates to support the submission and filing of a BLA or other submission or to obtain regulatory approval; and inability to reach agreement with the FDA or comparable foreign regulatory authorities on the methodologies for, and assessment of, comparability of different versions of product candidates used in non-pivotal studies, pivotal studies and for intended commercial use; and failure to obtain approval of our manufacturing processes or facilities of third party manufacturers with whom we contract for clinical and commercial supplies or our own manufacturing facility; or changes or inconsistencies in the requested or required methodologies, statistical analyses, specification criteria or regulatory submission requirements for a product candidate, including changes to, or inconsistencies with, applicable industry practice or precedent; or changes in the approval policies or regulations that render our preclinical and clinical data insufficient for approval or in positions, guidance or feedback communicated by the FDA or comparable foreign regulatory authorities that have a negative impact on the potential approval of a product candidate. The FDA or a comparable foreign regulatory authority may require information beyond what we plan to provide in or expect to be required for a marketing application, including additional CMC information, preclinical or clinical data to support approval. These requirements may delay or prevent approval and our commercialization plans, or we may decide to abandon the development program. For example, at a Type B meeting in February 2022, we were not able to align with the FDA on comparability between tab-cel product versions used in the pivotal ALLELE study and the intended commercial product. The FDA initially recommended we conduct a new clinical trial with the commercial product to address the lack of alignment on comparability and to gain additional clinical experience with the intended commercial product. Throughout 2023, we held a number of meetings with the FDA on clinical and CMC aspects for a potential BLA submission for tab-cel. Ultimately, we reached agreement with the FDA on the comparability of tab-cel product manufactured using a different process version with the intended commercial product and subsequently held a pre-BLA meeting with the FDA that supported our plan to submit the tab-cel BLA in the second quarter of 2024. The BLA was submitted in May 2024, and the FDA accepted the BLA submission in July 2024 and granted priority review with a Prescription Drug User Fee Act target action date of January 15, 2025. Although the FDA designated tabelecleucel as a breakthrough therapy, a breakthrough designation (BTD) status is not considered in the FDA's decision to approve or not approve a product candidate. Designation as a breakthrough therapy is at the discretion of the FDA, and receipt of a BTD designation may not result in a faster development process, review or approval compared to drugs considered for approval under non-expedited FDA review procedures and does not assure ultimate approval by the FDA. In addition, the FDA may later decide that the product no longer meets the conditions for qualification and rescind the BTD designation or decide that the time period for FDA review or approval will not be shortened. Furthermore, our CMOs for tab-cel will undergo pre-approval inspection in connection with our tab-cel BLA, and we cannot be certain that we will be able to adequately support them through such inspection nor that they will successfully pass any such inspection. Some clinical sites that participated in tabelecleucel studies will also undergo inspection, and the FDA may also choose to inspect us as the sponsor of these studies. The FDA ultimately may not approve the BLA based on the data provided, including a concern that the current clinical dataset is insufficient. In this case, the conduct of an additional clinical trial or trials in the lead indication or completing the ongoing ALLELE study may be necessary to support a BLA approval for tab-cel. If the FDA determines that the data package included in the original BLA submission is insufficient and issues a Complete Response Letter, this would result in a considerable delay to a subsequent BLA submission or could lead us not to pursue a BLA submission at all. Conducting an additional clinical trial, if required, may prove too difficult or too expensive, and the process of designing a new clinical trial, enrolling enough patients, and completing treatment and data collection under the protocol could take a significant amount of time, effort, and resources. Even if we complete the clinical trial, the study may not meet its prespecified endpoints, and even if it does, the FDA may still disagree that the clinical trial is sufficient to support submission and approval of a BLA for tab-cel, or may consider that the data, while adequate for BLA approval, can support only a more limited indication than that for which we initially applied. Our development activities and/or commercialization planning with our partners could be harmed or delayed by governmental or regulatory delays due to a variety of factors. These factors include limitations on the availability of governmental and regulatory agency personnel to review regulatory filings or engage with us (caused by global health concerns or otherwise, including the COVID-19 pandemic); changes to governmental regulatory

requirements, policies, guidelines or priorities, reallocation, or availability of government resources; or for other reasons, that may significantly delay the FDA’s, or other regulatory agencies’, ability to review and process any submissions we have filed or may file or cause other regulatory delays. If global health concerns prevent the FDA or other regulatory authorities from conducting their regular inspections, or impact reviews or other regulatory activities, it could significantly impact the ability of the FDA or other regulatory authorities to review and process our regulatory submissions in a timely fashion, which could have a material adverse effect on our business. For example, in response to the COVID-19 pandemic, on March 10, 2020, the FDA announced its intention to postpone most inspections of foreign manufacturing facilities and products inspections of domestic manufacturing facilities through April 2020. On March 18, 2020, the FDA announced its intention to postpone temporarily routine surveillance inspections of domestic manufacturing facilities and provided guidance regarding the conduct of clinical trials. On July 10, 2020, the FDA announced that it is working toward the goal of restarting on-site inspections it deems to be mission critical. In May 2021, the FDA updated its guidance, first published in August 2020, clarifying how it intends to conduct inspections during the COVID-19 pandemic, including how it plans to determine which inspections are mission critical. Additionally, on April 14, 2021, the FDA issued a guidance document in which the FDA described its plans to conduct voluntary remote interactive evaluations of certain drug manufacturing facilities and clinical research sites. According to the guidance, the FDA intends to request such remote interactive evaluations in situations where an in-person inspection would not be prioritized, deemed mission-critical, or where direct inspection is otherwise limited by travel restrictions, but where the FDA determines that remote evaluation would still be appropriate. The FDA intends to use this risk-based assessment system to identify the categories of regulatory activity that can occur within a given geographic area, ranging from mission critical inspections to resumption of all regulatory activities. The FDA has since adjusted its inspection activities in response to the COVID-19 pandemic. On December 29, 2021, the FDA implemented temporary changes to its inspection activities to ensure the safety of its employees and regulated firms. On February 2, 2022, FDA announced that it would resume domestic surveillance inspections across all product areas on February 7, 2022. In July 2022, FDA published draft guidance outlining its policies regarding remote regulatory assessments. On May 11, 2023, the COVID-19 Public Health Emergency (PHE) declared under the Public Health Services (PHS) Act expired. It is unclear how FDA’s and other health agencies’ policies and guidance will impact any inspections of our facilities or clinical trial sites involved with our clinical studies. If we do obtain approval for a product candidate marketing application, regulatory authorities may approve any of our product candidates for fewer or more limited indications than we request (including failing to approve the most commercially promising indications), may grant approval contingent on the performance of costly post-marketing clinical studies, or may approve a product candidate with a label that does not include the labeling claims necessary or desirable for the successful commercialization of that product candidate. In addition, the clinical study requirements of the FDA, EMA, MHRA, Swissmedic and other regulatory agencies and the criteria these regulators use to determine the safety and efficacy of a product candidate are determined according to the type, complexity, novelty and intended use and market of the potential products. The regulatory approval process for novel product candidates, such as our novel T-cell product candidates and next-generation CAR T programs, can be more complex and consequently more expensive and take longer than for other, better known or extensively studied pharmaceutical or other product candidates. Approvals by the EC and FDA of autologous CAR T therapies, such as Novartis’s Kymriah® and Gilead’s Yescarta®, may not be indicative of what these regulators may require for approval of our therapies. If an adverse safety issue or other adverse finding occurs in one or more of our clinical trials, including those that could result in a clinical hold, such events could adversely affect our other clinical trials of the same or related product candidates. Moreover, our product candidates may not perform successfully in clinical studies or may be associated with adverse events that distinguish them from those that have previously been approved, such as approved autologous CAR T therapies. For instance, allogeneic product candidates may result in adverse events not experienced with autologous products. Even if a product candidate is approved by the FDA and comparable foreign regulatory authorities, the approval might contain significant limitations related to use for specified age groups, warnings, precautions or contraindications, or may be subject to burdensome post-approval study or risk management requirements. If we are unable to obtain regulatory approval for one of our product candidates in one or more jurisdictions, or any approval contains significant limitations, we may not be able to obtain sufficient funding to continue the development of that product or generate revenues attributable to that product candidate. Also, any regulatory approval of our current or future product candidates, once obtained, may be withdrawn in a region or country by the respective regulatory agency. Our T-cell immunotherapy product and product candidates and our next-generation CAR T programs represent new therapeutic approaches that could result in heightened regulatory scrutiny, delays in clinical development or our inability to achieve regulatory approval, commercialize or secure payor coverage of our product candidates. Our future success is dependent on the successful development and commercialization of T-cell immunotherapies and our next-generation CAR T programs in general and our development product candidates in particular. Because these programs, particularly our pipeline of allogeneic T-cell product and product candidates that are bioengineered from donors, represent a new approach to immunotherapy for the treatment of cancer and other diseases, developing and commercializing our product candidates subject us to a number of challenges, including but not limited to: • obtaining regulatory approval from the FDA and other regulatory authorities, which have limited experience with regulating the development and commercialization of T-cell immunotherapies, particularly allogeneic T-cell products and product candidates; • developing and deploying consistent and reliable processes for procuring blood from consenting third party donors, isolating T cells from the blood of such donors, activating the isolated T cells against a specific antigen, characterizing and storing the resulting activated T cells for future therapeutic use, selecting and delivering a sufficient supply and breadth of appropriate partially HLA-matched cell line from among the available T-cell lines, and finally infusing these activated T cells into patients; • utilizing these product candidates in combination with other therapies (e.g., immunomodulatory approaches such as checkpoint inhibitors), which may increase the risk of adverse side effects; • educating medical personnel regarding the potential side effect profile of our product and each of our product candidates, particularly those that may be unique to our allogeneic T-cell product and product candidates and to our next-generation CAR T programs; • understanding and addressing variability in the quality of a donor’s T cells, which could ultimately affect our ability to manufacture products and product candidates in a reliable and consistent manner; • developing processes for the safe administration of these product and product candidates, including long-term follow-up and registries, for all patients who receive these product candidates; • establishing or making arrangements with third party manufacturers to manufacture, or manufacturing on our own, product and product candidates to our specifications and in a timely manner to support our clinical studies and, if approved, commercialization; • sourcing clinical and, if approved by applicable regulatory authorities, commercial supplies for the materials used to manufacture and process these product and product candidates that are free from viruses and other pathogens that may increase the risk of adverse side effects; • developing a manufacturing process and distribution network that can provide a stable supply with a cost of goods that allows for an attractive return on investment; • establishing favorable terms with commercialization partners that possess appropriate sales and marketing capabilities ahead of and after obtaining any regulatory approval to gain market acceptance, and obtaining adequate coverage, reimbursement and pricing by third party payors and government authorities; and • developing therapies for types of diseases beyond those initially addressed by our current product and product candidates. We cannot be sure that the manufacturing processes used in connection with our T-cell immunotherapy product and product candidates will yield a sufficient supply of satisfactory products that are stable, safe, pure, and potent, or comparable to those T cells historically produced by our partners, be scalable or profitable. Moreover, actual or perceived safety issues, including adoption of new therapeutics or novel approaches to treatment, may adversely influence the willingness of subjects to participate in clinical studies, or, if one of our product candidates is approved by applicable regulatory authorities, of physicians to subscribe to the novel treatment mechanics or of patients to provide consent to receive a novel treatment despite its regulatory approval. The FDA or other applicable regulatory authorities may require specific post-market studies or additional information that communicates the benefits or risks of our products. New data may reveal new risks of our product candidates at any time prior to or after regulatory approval. The FDA may also modify or enhance trial requirements which may affect enrollment. In August 2023, the FDA published a guidance document, Informed Consent, Guidance for IRBs, Clinical Investigators, and Sponsors, which supersedes past guidance and finalizes draft guidance on informed consent. The FDA’s new guidance presents evolving requirements for informed consent which may affect recruitment and retention of patients in clinical trials. Effects on recruitment and retention of patients may hinder or delay a clinical trial and could cause a significant setback to an applicable program. Physicians, hospitals and third party payors often are slow to utilize new products, technologies and treatment practices that require additional upfront costs and training. Physicians may not be willing to undergo training on this novel therapy, may decide the therapy is too complex to adopt without appropriate training or not cost-efficient, and may choose not to administer the therapy. Based on these and other factors, hospitals and payors may decide that the benefits of this new therapy do not or will not outweigh its costs. The results of preclinical studies or earlier clinical studies are not necessarily predictive of future results. Our existing product candidate in clinical studies, and any other product candidate we advance into clinical studies, may not have favorable results in later clinical studies or receive regulatory approval. Success in preclinical studies and early clinical studies does not ensure that later clinical studies will generate adequate data to demonstrate the efficacy and safety of an investigational drug. Likewise, a number of companies in the pharmaceutical and biotechnology industries, including those with greater resources and experience than us, have suffered significant setbacks in clinical studies, even after seeing promising results in earlier preclinical studies or clinical studies. Despite the results reported in earlier preclinical studies or clinical studies for our product candidates, there can be significant variability in safety and efficacy results between different clinical trials of the same product candidate due to numerous factors. We do not know whether the clinical studies we may conduct, or clinical studies in progress, will demonstrate adequate efficacy and safety to result in regulatory approval to market any product candidates in any particular jurisdiction. 46 Tab-cel has been predominantly evaluated in single-center studies under investigator-sponsored investigational new drug (IND) applications held by MSK and in our Expanded Access Programs, utilizing different response criteria and endpoints from those we have used or may utilize in later clinical studies. These Phase 2 clinical studies with tab-cel also enrolled a heterogeneous group of patients with a variety of EBV-driven malignancies, including EBV+ PTLD after HCT and EBV+ PTLD after SOT. These Phase 2 studies were not prospectively designed to evaluate the efficacy of tab-cel in the treatment of a single disease state for which we may later seek approval. Findings from early studies may not be reproducible in late phase studies we conduct. For instance, the current protocol for our ALLELE study in EBV+ PTLD is designed to rule out a 20% ORR as the null hypothesis. This means that if the lower bound of the 95% confidence interval on ORR among patients receiving at least one dose of tab-cel exceeds 20% at the end of the study, then the study would be expected to meet the primary endpoint for the treatment of PTLD. Assuming enrollment of 33 patients in a cohort of ALLELE, an observed ORR above approximately 37% would be expected to meet the primary endpoint for that cohort. In addition, our amended ALLELE study protocol includes an interim analysis as well as a final study analysis. We have previously received feedback from the FDA that an interim analysis of the ALLELE study may not be sufficient to support approval of a BLA. Moreover, final study results may not be consistent with interim study results. Furthermore, modifications to the total sample size of the ALLELE study and the statistical approach may be necessary in connection with the review of the BLA by the FDA. Efficacy data from prospectively designed studies may differ significantly from those obtained from retrospective subgroup analyses. In addition, clinical data obtained from a clinical study with an allogeneic product candidate may not yield the same or better results as compared to an autologous product candidate. If later-stage clinical studies do not produce favorable results, our ability to achieve regulatory approval for any of our product candidates may be adversely impacted. Even if we believe that we have adequate data to support an application for regulatory approval to market any of our product candidates, the FDA or other regulatory authorities may not agree and may require that we conduct additional clinical studies. Ebvallo was approved under the exceptional circumstances regulatory pathway by the EMA, with the subsequent MHRA and Swissmedic approvals leveraging the EU assessment. Therefore, continuation of the Ebvallo marketing authorizations in the EAA, the UK, and Switzerland are subject to annual reassessments. The annual reassessments will determine whether the Ebvallo marketing authorizations should be maintained, changed, or suspended based on Pierre Fabre’s fulfillment of post-marketing obligations and the risk/benefit

profile of Ebvallo. Interim data and preliminary data from clinical studies that we or our partners may announce or share with regulatory authorities from time to time may change as more patient data become available and are subject to audit and verification procedures that could result in material changes in the final data. From time to time, we or our partners may announce or share with regulatory authorities interim data or preliminary data from clinical studies. Interim data from clinical studies are subject to the risk that one or more of the clinical outcomes may materially change as patient enrollment continues and more patient data become available. Preliminary or data also remain subject to audit and verification procedures that may result in the final data being materially different from the preliminary data previously announced. As a result, interim and preliminary data should be viewed with caution until the final data are available. Adverse differences between preliminary or interim data and final data could impact the regulatory approval of, and significantly harm the prospects of any product candidate that is impacted by the applicable data. Clinical drug development involves a lengthy and expensive process with an uncertain outcome. Clinical testing is expensive and can take many years to complete, and its outcome is inherently uncertain. Failure can occur at any time during the clinical study process. Product candidates in later stages of clinical studies may fail to show the desired safety and efficacy traits despite having progressed through preclinical and clinical studies. We may experience delays in our ongoing or future clinical studies and we do not know whether clinical studies will begin or enroll subjects on time, will need to be redesigned or will be completed on schedule, if at all. There can be no assurance that the FDA or comparable foreign regulatory authorities will not put clinical studies of any of our product candidates on clinical hold in the future. In addition, the new EU Clinical Trials Regulation (EU) No 536/2014 (CTR) has amended the system of approval for clinical trials in the EU and has established a new clinical trials portal and database, called the Clinical Trials Information System (CTIS), for the submission and authorization of clinical trial applications. Clinical studies may be delayed, suspended or prematurely terminated for a variety of reasons, such as: delays in enrollment due to travel, shelter-in-place or quarantine policies, or other factors, related to the COVID-19 pandemic or other epidemics or pandemics; delay or failure in reaching agreement with the FDA or a comparable foreign regulatory authority on a study design that we are able to execute; delay or failure in obtaining authorization to commence a study or inability to comply with conditions imposed by a regulatory authority regarding the scope or design of a study; delay or failure in reaching agreement on acceptable terms with prospective contract research organizations (CROs) and clinical study sites, the terms of which can be subject to extensive negotiation and may vary significantly among different CROs and study sites; delay or failure in obtaining institutional review board (IRB) approval or the approval of other reviewing entities, including comparable foreign regulatory authorities, to conduct a clinical study at each site; withdrawal of clinical study sites from our clinical studies or the ineligibility of a site to participate in our clinical studies; delay or failure in recruiting and enrolling eligible subjects to participate in a study; delay or failure in subjects completing a study or returning for post-treatment follow-up; clinical sites and investigators deviating from study protocol, failing to conduct the study in accordance with regulatory requirements, or dropping out of a study; an FDA or other regulatory authority clinical site inspection reveals serious violations of regulations applicable to clinical investigations, which may result in requests for additional data analyses and/or rejection of data deemed unreliable; inability to identify and maintain a sufficient number of study sites, including because potential study sites may already be engaged in competing clinical study programs enrolling the same population; failure of our third-party clinical study managers to satisfy their contractual duties, meet expected deadlines or return trustworthy data; delay or failure in adding new study sites; interim results or data that are ambiguous or negative or are inconsistent with earlier results or data; feedback from the FDA, the IRB, data safety monitoring boards or comparable foreign authorities, or results from earlier stage or concurrent preclinical and clinical studies, that might require modification to the protocol for a study; a decision by the FDA, the IRB, comparable foreign authorities, or us, or a recommendation by a data safety monitoring board or comparable foreign authority, to suspend or terminate clinical studies for non-compliance with regulatory requirements, safety issues, including a finding that our product candidates have undesirable side effects or other unexpected characteristics, or a finding that the participants are being exposed to unacceptable health risk, or for any other reason; unacceptable benefit/risk profile, unforeseen safety issues or adverse side effects; failure to demonstrate a benefit from using a product candidate; difficulties in manufacturing or obtaining from third parties sufficient quantities and breadth of appropriate partially HLA matched cell lines from among the available T-cell lines to start or to use in clinical studies; lack of adequate funding to continue a study, including the incurrence of unforeseen costs due to enrollment delays, requirements to conduct additional studies or increased expenses associated with the services of our CROs and other third parties; non-compliance with the deadline for transition to CTIS under the new EU Clinical Trial Regulation, including with the CTIS transparency rules, which became applicable on June 18, 2024 and which will require adapting business processes of clinical trial sponsors; changes in governmental regulations or administrative actions or lack of adequate funding to continue a clinical study. Patient enrollment, a significant factor in the timing of clinical studies, is affected by many factors including: the size and nature of the patient population; the possibility that the rare diseases that many of our product candidates address are under-diagnosed; changing medical practice patterns or guidelines related to the diseases or conditions we are investigating; the severity of the disease under investigation; our ability to open clinical study sites; the proximity of subjects to clinical sites; the patient referral practices of physicians; the design and eligibility criteria of the clinical study; ability to obtain and maintain patient consents; a risk that enrolled subjects will drop out or die before completion; competition for patients from other clinical studies; our or our partner's ability to manufacture the requisite materials for a study; a risk that we do not have appropriately matched HLA cell lines; clinicians' and patients' perceptions as to the potential advantages and risks of the drug being studied in relation to other available therapies, including any new drugs that may be approved for the diseases or conditions we are investigating; and disruptions caused by man-made or natural disasters or public health pandemics or epidemics, including, for example, the COVID-19 pandemic. As an example, we activated additional clinical sites for the ALLELE study of tab-cel over the course of 2018 and increased HLA coverage during this period. As a result, enrollment in our studies was limited in the early part of 2018 and increased through the course of the year as we increased clinical sites and HLA coverage. However, in May 2019, we announced that enrollment in our Phase 3 studies of tab-cel for patients with EBV+ PTLD was proceeding slower than anticipated. Many of our product candidates are designed to treat rare diseases, and as a result, the pool of potential patients with respect to a given disease is small. We may not be able to initiate or continue to support clinical studies of tab-cel or any other product candidates if we are unable to locate and enroll a sufficient number of eligible participants in these studies as required by the FDA or other regulatory authorities. We experienced some transient delays in clinical trial site initiation and patient enrollment in certain of our clinical trials, including our ALLELE study, as a result of the COVID-19 pandemic. Even if we are able to enroll a sufficient number of patients in our clinical studies, if the pace of enrollment is slower than we expect, the development costs for our product candidates may increase and the completion of our studies may be delayed or our studies could become too expensive to complete. We rely on CROs, other vendors and clinical study sites to ensure the proper and timely conduct of our clinical studies, and while we have agreements governing their committed activities, we have limited influence over their actual performance. Furthermore, these third parties may also have relationships with other entities, some of which may be our competitors. Reliance on CROs entails risks to which we would not be subject if we conducted our clinical studies ourselves, including reliance on the CRO for clinical site initiation and monitoring, the possibility that the CRO does not maintain the financial resources to meet its obligations under our agreements, the possibility of breach of these agreements by the CRO because of factors beyond our control, including a failure to properly perform their obligations under these agreements, and the possibility of termination or non-renewal of the agreements by the CROs, based on their own business priorities, at a time that is costly or damaging to us. For example, the CRL MSA expired on August 31, 2024. While we are in negotiations with CRL for an amendment to further extend the term of the CRL MSA and for a new commercial manufacturing agreement, there can be no assurance that we will be able to further extend the CRL MSA or enter into a new commercial drug product supply agreement with CRL on terms favorable or acceptable to us or at all. Any delays in entering into a new commercial manufacturing agreement and/or further extension of the current CRL MSA could delay the development and commercialization of our product and product candidates, if approved. In addition, if we are unable to enter into a new commercial manufacturing agreement with CRL on acceptable terms, or at all, we would have to explore other options for the manufacture of our product and product candidates, which could harm our business. Our reliance on these third parties for research and development activities will reduce our control over these activities but will not relieve us of our regulatory responsibilities. For example, we will remain responsible for ensuring that each of our clinical trials is conducted in accordance with the general investigational plan, study protocols for the trial, statistical analysis plan and other study-specific documents (for example, monitoring and blinding plans). Moreover, the FDA requires us to comply with standards, commonly referred to as Good Clinical Practice (GCP), International Council for Harmonization of Technical Requirements for Pharmaceuticals for Human Use, or ICH, guidelines, and regulations regarding the informed consent process, safety reporting requirements, data collection guidelines, and other regulations for conducting, recording and reporting the results of clinical trials to assure that data and reported results are credible and accurate and that the rights, integrity and confidentiality of trial participants are protected. The EMA also requires us to comply with similar standards. Regulatory authorities enforce these GCP requirements through periodic inspections of trial sponsors, principal investigators and trial sites. If we or any of our CROs fail to comply with applicable GCP requirements, the clinical data generated in our clinical trials may be deemed unreliable and the FDA, EMA or comparable foreign regulatory authorities may require us to perform additional clinical trials before approving our marketing applications. We cannot assure that upon inspection by a given regulatory authority, such regulatory authority will determine that any of our clinical trials comply with GCP and other applicable regulations. In addition, our clinical trials must be conducted with product produced under applicable current Good Manufacturing Practices (cGMP) and current Good Tissue Practices (cGTP) regulations. Our failure to comply with these regulations may require us to conduct new clinical trials, which would delay the marketing approval process. We also are required to register certain ongoing clinical trials and post the results of certain completed clinical trials on a government-sponsored database, ClinicalTrials.gov, within certain timeframes. Failure to do so can result in fines, adverse publicity and civil and criminal sanctions. If we experience delays or quality issues in the conduct, completion or termination of any clinical study of our product candidates, the approval and commercial prospects of such product candidate will be harmed, and our ability to generate product revenues from such product candidate will be delayed. In addition, any delays in completing our clinical studies will increase our costs, slow down our product candidate development and approval process and jeopardize our ability to generate revenues. Any delays in completing our clinical studies for our product candidates may also decrease the period of commercial exclusivity. In addition, many of the factors that could cause a delay in the commencement or completion of clinical studies may also ultimately lead to the denial of regulatory approval of our product candidates. Our product and product candidates, the methods used to deliver them or their dosage levels may cause undesirable side effects or have other properties that could delay or prevent their regulatory approval, limit the commercial profile of an approved label or result in significant negative consequences following any regulatory approval. Undesirable side effects caused by our product and product candidates, their delivery methods or dosage levels could cause us or regulatory authorities to interrupt, delay or halt clinical studies and could result in a more restrictive label or the delay or denial of regulatory approval by the FDA or other comparable foreign regulatory authority. As a result of safety or toxicity issues that we or our partners may experience in our clinical studies, we or our partners may not receive approval to market any product candidates, which could prevent us from ever generating product or royalty revenues for such product candidates or achieving profitability. Results of our studies could reveal an unacceptably high severity and incidence of side effects, or risks that outweigh the benefits of our product and product candidates. In such an event, our studies could be suspended or terminated, and the FDA or comparable foreign regulatory authorities could order us to cease further development of or deny approval of our product candidates for any or all targeted indications. The drug-related side effects could affect patient recruitment or the ability of enrolled subjects to complete the study or result in potential product liability claims. Additionally, if any of our product candidates receives regulatory approval, and we or others later identify undesirable side effects caused by such product, a number of potentially significant negative consequences could result, including that: we may be forced to suspend marketing of that product; regulatory authorities, IRBs, or other clinical trial oversight bodies may place a hold on any ongoing clinical trials; regulatory

authorities may withdraw or change their approvals of that product;â€¢regulatory authorities may require additional warnings on the label or limit access of that product to selective specialized centers with additional safety reporting and with requirements that patients be geographically close to these centers for all or part of their treatment;â€¢we may be required to conduct post-marketing studies;â€¢we may be required to change the way the product is administered;â€¢we could be sued and held liable for harm caused to subjects or patients; â€¢our products may be seized, or we may be required to recall our products; â€¢our products may become less competitive in the marketplace; and â€¢our reputation may suffer. Any of these events could diminish the usage or otherwise limit the commercial success of our product and product candidates and prevent us from achieving or maintaining market acceptance of the affected product candidate, if approved by applicable regulatory authorities. 50 Â The market opportunities for our product and product candidates may be limited to those patients who are ineligible for or have failed prior treatments and may be small. The FDA often approves new cancer therapies initially only for use in patients with relapsed or refractory metastatic disease. We expect to seek initial approval of tab-cel and our other oncology product candidates in this setting. Subsequently, for those products that prove to be sufficiently beneficial, if any, we may seek approval for earlier lines of treatment and potentially as a first line therapy, but there is no guarantee that our product and product candidates, even if approved, would be approved for earlier lines of therapy, and, prior to any such approvals, we will have to conduct additional clinical trials. Our projections of both the number of people who have the diseases we are targeting, as well as the subset of people with these diseases in a position to receive second or later lines of therapy, and who have the potential to benefit from treatment with our product and product candidates, are based on our current beliefs and estimates. These estimates have been derived from a variety of sources, including scientific literature, surveys of clinicians, patient foundations, or our own market research, and may prove to be incorrect. Further, new studies, product approvals, changes to the standard of care and diagnosis rates or scientific understanding of disease burden may change the estimated incidence or prevalence of these diseases, and the number of patients who could benefit from our products may turn out to be lower than expected. Additionally, the potentially addressable patient population for our product candidates may be limited or may not be amenable to treatment with our product candidates. For instance, for our product, tab-cel, we have initially pursued marketing authorization for a patient population that suffers from aggressive EBV+PTLD and has failed rituximab or rituximab plus chemotherapy. Our commercial partners may have different estimates of the market opportunities for our product or product candidates. At the outset of the COVID-19 pandemic, we initially observed a temporary slow-down in stem cell and solid organ transplant volumes. These reductions were transient, but if a reduction in such volumes resumes or if there are other disruptive factors that reduce PTLD incidence, such as changes in immunosuppression regimens or treatment of re-activated viremia, it could result in lower PTLD incidence and thus reduce the demand for tab-cel. Even if our product and product candidates obtain significant market share, because the potential target populations are small, we may never achieve profitability without obtaining regulatory approval for additional indications. We may not be able to obtain or maintain orphan drug exclusivity for our product candidates.Regulatory authorities in some jurisdictions, including the U.S., EU and the UK, may designate drugs for relatively small patient populations as orphan drugs. Under the Orphan Drug Act, the FDA may designate a product as an orphan drug if it is a drug intended to treat a rare disease or condition, which is generally defined as a patient population of fewer than 200,000 individuals annually in the U.S. The FDA, the EMA, and the MHRA have granted us orphan drug designation for tab-cel for EBV+ PTLD. Generally, if a product with an orphan drug designation subsequently receives the first regulatory approval for the indication for which it has such designation, the product is entitled to a period of marketing exclusivity, which precludes the FDA, the EMA, and the MHRA from approving another marketing application for the same biologic for the same indication for that time period. The applicable period is seven years in the U.S. and ten years in the EU and the UK. The EU and UK exclusivity periods can be reduced to six years if a drug no longer meets the criteria for orphan drug designation or if the drug is sufficiently profitable so that market exclusivity is no longer justified. These periods may be reduced in the EU based on a new applicable legal framework, currently under review by the European Parliament and Council. Orphan drug exclusivity may be lost if the FDA, EMA or MHRA determines that the request for designation was materially defective or if the manufacturer is unable to assure sufficient quantity of the drug to meet the needs of patients with the rare disease or condition. In the U.S., the FDA may still approve a later marketing application blocked by an ongoing period of orphan drug exclusivity in limited circumstances such as a demonstration of clinical superiority to the product with orphan drug exclusivity or if the FDA finds that the holder of the orphan drug exclusivity has not shown that it can assure the availability of sufficient quantities of the orphan drug to meet the needs of patients with the disease or condition for which the product was approved. As a result, even if one of our product candidates receives orphan exclusivity, the FDA can still approve or license other drugs or biological products that have a different active ingredient for use in treating the same indication or disease. In addition, Congress is considering updates to the orphan drug provisions of the FDCA in response to a 2021 11th Circuit decision, Catalyst Pharms., Inc. v. Becerra, 14 F.4th 1299 (11th Cir. 2021), in which the court disagreed with the FDAâ€™s longstanding position that the orphan drug exclusivity only applies to the approved use or indication within an eligible disease, and not to all uses or indications within the entire disease or condition. In particular, the circuit court held that that the orphan-drug exclusivity for the drug developed by Catalyst Pharmaceuticals, Inc. (Catalyst) blocked the FDAâ€™s approval of another drug for all uses or indications within the same orphan-designated disease, Lambert-Eaton myasthenic syndrome (LEMS), even though Catalystâ€™s drug was approved at that time only for use in the treatment of LEMS in adults. Accordingly, the court ordered the FDA to set aside the approval of a drug indicated for LEMS in children. This decision created uncertainty in application of orphan drug exclusivity to products on the market. Any changes to the orphan drug provisions could change our opportunities for, or likelihood of success in obtaining, orphan drug exclusivity and could materially adversely affect our business, financial condition, results of operations, cash flows and prospect. 51 Â Even if we obtain orphan drug exclusivity for a product, that exclusivity may not be maintained or effectively protect the product from competition because different drugs can be approved for the same condition. BTD by the FDA and PRIME designation by the EMA may not lead to a faster development or regulatory review or approval process and it does not increase the likelihood that our product candidates will receive marketing approval.Although we have obtained BTD for tab-cel in the U.S. for treatment of patients with EBV+ PTLD who have failed rituximab, this designation may not lead to faster development or regulatory review and does not increase our likelihood of success. A breakthrough therapy is defined as a drug or biologic that is intended, alone or in combination with one or more other drugs or biologics, to treat a serious or life-threatening disease or condition and preliminary clinical evidence indicates that the drug, or biologic in our case, may demonstrate substantial improvement over existing therapies on one or more clinically significant endpoints, such as substantial treatment effects observed early in clinical development. For product candidates that have been designated as breakthrough therapies, interaction and communication between the FDA and the sponsor of the study can help to identify the most efficient path for clinical development while minimizing the number of patients placed in ineffective control regimens. Biologics designated as breakthrough therapies by the FDA may also be eligible for other expedited review programs, such as priority review. Even though the FDA has accepted and granted priority review for the tab-cel BLA submission, BTD status is not considered in the FDA's decision to approve or not approve a product candidate. PRIME designation supports the development and accelerated review by the EMA of new therapies to treat patients with unmet medical need. Despite this designation and the associated opportunity for accelerated assessment, the EMA may decide that additional time is needed for the MAA review and convert the MAA to a standard review timeline. For example, the EMA converted the tab-cel MAA review timeline from accelerated to standard, despite tab-cel's PRIME designation. Designation as a breakthrough therapy is at the discretion of the FDA, and access to PRIME is at the discretion of the EMA. Receipt of a BTD or PRIME designation for a product candidate may not result in a faster development process, review or approval compared to drugs considered for approval under non-expedited FDA or EMA review procedures and does not assure ultimate approval by either the FDA or EMA. In addition, the FDA or EMA, respectively, may later decide that the product no longer meets the conditions for qualification and rescind the BTD or PRIME designation or decide that the time period for FDA or EMA, respectively, review or approval will not be shortened. For example, in June 2022, FDA published a draft guidance document outlining considerations for the FDA in rescinding BTD for products that no longer meet the requirements for that designation. A Fast Track designation by the FDA may not lead to a faster development or regulatory review, licensure process and does not increase the likelihood that our product candidates will receive marketing licensure.We may seek fast track designation for one or more of our future product candidates. If a drug or biological product is intended for the treatment of a serious or life-threatening disease or condition and it demonstrates the potential to address unmet medical needs for such a disease or condition, the drug sponsor may apply for FDA fast track designation for a particular indication. We may seek fast track designation for our product candidates, but there is no assurance that the FDA will grant this designation to any of our proposed product candidates, even if such a designation has been granted to similar products. Marketing applications submitted by sponsors of products in fast track development may qualify for priority review under the policies and procedures offered by the FDA, but the fast track designation does not assure any such qualification or ultimate marketing licensure by the FDA. The FDA has broad discretion whether or not to grant fast track designation, so even if we believe a particular product candidate is eligible for this designation, there can be no assurance that the FDA would decide to grant it. Even if we do receive fast track designation, we may not experience a faster development process, review or licensure compared to conventional FDA procedures or pathways and receiving a fast track designation does not provide assurance of ultimate FDA licensure. In addition, the FDA may withdraw fast track designation at any time, including if it believes that the designation is no longer supported by data from our clinical development program. Failure to obtain regulatory or payor approval in international jurisdictions would prevent our product candidates from being marketed abroad.In addition to regulations in the U.S., to market and sell our products in the EU, the UK, many Asian countries and other jurisdictions, we, or our current or future commercialization partners, must obtain separate regulatory approvals and comply with numerous and varying regulatory requirements, both from a clinical and manufacturing perspective. The approval procedure varies among countries and can involve additional testing. The time required to obtain approval may differ substantially from that required to obtain FDA approval. The regulatory approval process outside the U.S. generally includes all of the risks associated with obtaining FDA approval and may include additional risks. Clinical studies accepted in one country may not be accepted by regulatory authorities in other countries. In addition, many countries outside the U.S. require that a 52 Â product be approved for reimbursement before it can be approved for sale in that country. A product candidate that has been approved for sale in a particular country may not receive reimbursement approval in that country. We or our partners may not be able to obtain approvals from regulatory authorities or payor authorities outside the U.S. on a timely basis, if at all. Approval by a regulatory agency or payor does not ensure approval by any other regulatory or payor authorities in other countries or jurisdictions. We may not be able to file for regulatory approvals and may not receive necessary approvals to commercialize our products in any market. If we or our partners are unable to obtain approval of any of our product candidates by regulatory or payor authorities in the US, EU, the UK, Asia or elsewhere, the commercial prospects of that product candidate may be significantly diminished. The proposed revision of the European legislation on pharmaceuticals could lead to uncertainties over the regulatory framework that will be applicable to medicinal products in the EU, including orphan medicinal products.In April 2023, the EC published proposals to revise the existing European legislation on medicinal products (EU Pharma Law Review). The revisions consist of two proposals, a new directive and a new regulation (EU Pharma Law Proposal) that would amend and/or repeal and replace the relevant legislation concerning medicinal products for human use, including legislation concerning orphan medicinal products and medicinal products for pediatric use. The EU Pharma Law Review could have a significant impact on the designation of and incentives offered to orphan medicinal products in the EU. If adopted in current form, the EU Pharma Law Proposal would introduce the possibility for the Commission, by way of delegated acts, to derogate from the current prevalence criterion, and introduce specific criteria for certain conditions, due to the characteristics of such conditions or other scientific reasons. The EU Pharma Law Proposal also proposes changes to the current orphan market exclusivity (OME) approach. If adopted in the current form, the EU Pharma Law Proposal would in most cases reduce the duration of the OME and replace the current system of separate OME periods for each new indication with a system with a single OME period for each active substance. Even if our product candidates receive regulatory approval, they may still face future development and regulatory difficulties.Even if we, or our partners obtain regulatory approval for a product candidate, it would be subject to ongoing requirements by the FDA and

comparable foreign regulatory authorities governing the manufacture, quality control, further development, labeling, packaging, storage, distribution, adverse event reporting, safety surveillance, import, export, advertising, promotion, recordkeeping and reporting of safety and other post-marketing information. These requirements include submissions of safety and other post-marketing information and reports, registration, as well as continued compliance by us and/or our CMOs and CROs for any post-approval clinical studies that we conduct. They also include any post-approval requirements or commitments imposed by FDA or comparable foreign regulatory authorities as a condition of approval, or any risk evaluation or mitigation strategies (REMS), if applicable. The safety profile of any product will continue to be closely monitored by the FDA and comparable foreign regulatory authorities after approval. If the FDA or comparable foreign regulatory authorities become aware of new safety information after approval of any of our product candidates, they may require labeling changes or establishment of a risk evaluation and mitigation strategy, impose significant restrictions on a product's indicated uses or marketing or impose ongoing requirements for potentially costly post-approval studies or post-market surveillance. In addition, manufacturers of drug products and their facilities are subject to initial and continual review and periodic inspections by the FDA and other regulatory authorities for compliance with current cGMP, current GCP, current cGTP and other regulations. If we or a regulatory agency discover previously unknown problems with a product, such as adverse events of unanticipated severity or frequency, or problems with the facility where the product is manufactured, a regulatory agency may impose restrictions on that product, the manufacturing facility or us, including requiring recall or withdrawal of the product from the market or suspension of manufacturing. If we, our products, product candidates, or the manufacturing facilities for our products or product candidates fail to comply with applicable regulatory requirements, a regulatory agency may: • issue warning letters or untitled letters; • mandate modifications to promotional materials or require us to provide corrective information to healthcare practitioners; • require us or our partners to enter into a consent decree, which can include imposition of various fines, reimbursements for inspection costs, required due dates for specific actions and penalties for noncompliance; • seek an injunction or impose civil or criminal penalties or monetary fines; • suspend, withdraw or modify regulatory approval; • suspend or modify any ongoing clinical studies; • refuse to approve pending applications or supplements to applications filed by us; • suspend or impose restrictions on operations, including costly new manufacturing requirements; • seize or detain products, refuse to permit the import or export of products, require us to withdraw product from the market, or require us to initiate a product recall. The occurrence of any event or penalty described above may also generate negative publicity or inhibit our ability to successfully commercialize our products. Advertising and promotion of any product candidate that obtains approval in the U.S. will be heavily scrutinized by the FDA, the Department of Justice (DOJ), the Office of Inspector General of the Department of Health and Human Services (HHS), state attorneys general, members of the U.S. Congress and the public. Additionally, advertising and promotion of any product candidate that obtains approval outside of the U.S. will be heavily scrutinized by comparable foreign entities and stakeholders. For example, a company may not promote "off-label" uses for its drug products. An off-label use is the use of a product for an indication that is not described in the product's FDA-approved label in the U.S. or for uses in other jurisdictions that differ from those approved by the applicable regulatory agencies. Physicians, on the other hand, may prescribe products for off-label uses. Although the FDA and other regulatory agencies do not regulate a physician's choice of drug treatment made in the physician's independent medical judgment, they do restrict promotional communications from companies or their sales force with respect to off-label uses of products for which marketing clearance has not been issued. However, companies may share truthful and not misleading information that is otherwise consistent with a product's FDA approved labeling. Violations, including actual or alleged promotion of our products for unapproved or off-label uses, are subject to enforcement letters, inquiries and investigations, and civil and criminal sanctions by the FDA or comparable foreign bodies. Any actual or alleged failure to comply with labeling and promotion requirements may result in fines, warning letters, mandates to corrective information to healthcare practitioners, injunctions, or civil or criminal penalties. Regulations, guidelines and recommendations published by various government agencies and organizations may affect the use of our product candidates. Changes to regulations, recommendations or other guidelines advocating alternative therapies for the indications we treat could result in decreased use of our products. For example, although treatment with EBV-specific T cells is recognized as a recommended treatment for persistent or progressive EBV+ PTLD as set forth in the National Comprehensive Cancer Network Guidelines, future guidelines from governmental agencies, professional societies, practice management groups, private health/science foundations and other organizations could lead to decreased ability to develop our product candidates, or decreased use of our products once approved by applicable regulatory authorities. We may not successfully identify, acquire, develop or commercialize new potential product candidates. Part of our business strategy is to expand our product candidate pipeline by identifying and validating new product candidates, which we may develop ourselves, in-license or otherwise acquire from others. In addition, in the event that our existing product candidates do not receive regulatory approval or are not successfully commercialized, then the success of our business will depend on our ability to expand our product pipeline through internal development, in-licensing or other acquisitions. We may be unable to identify relevant product candidates. If we do identify such product candidates, we may be unable to reach acceptable terms with any third party from which we desire to in-license or acquire them. Any product candidates we identify, acquire, in-license, develop, or manufacture may not be safe or effective for their targeted diseases, and may not receive marketing authorization in a timely manner, or at all. Risks Related to Manufacturing We are subject to a multitude of manufacturing risks, any of which could substantially increase our costs and limit supply of our product and product candidates. Concurrently with the in-license of our existing product and product candidates, we acquired manufacturing process know-how and, in some cases, inventory of process intermediates and clinical materials from our partners. Transferring manufacturing processes, testing and associated know-how is complex and involves review and incorporation of both documented and undocumented processes that may have evolved over time. In addition, transferring production to different facilities may require utilization of new or different processes and/or equipment to meet the specific requirements of a given facility. Each stage is retroactively and concurrently verified to be compliant with appropriate regulations. As a result, there is a risk that all relevant know-how was not adequately transferred to us from our partners or that previous execution was not compliant with applicable regulations. In addition, we need to conduct significant development and scale-up work to transfer these processes and manufacture each of our product and product candidates for various studies, clinical studies and commercial launch readiness. To the extent we elect to transfer manufacturing within our network of third party CMOs, we are required to demonstrate that the product manufactured in the new "receiving" facility is comparable to the product manufactured in the original "sending" facility. The inability to demonstrate to each of the applicable regulatory authorities that comparable drug product was manufactured could delay the development of our product candidates or availability of additional commercial product supplies. The processes by which some of our product and product candidates are manufactured were initially developed by our partners for clinical purposes. We intend to evolve the processes developed by our partners and the processes developed by us to support advanced clinical studies and commercialization requirements. We similarly intend to evolve the processes originating at Atara to support advanced clinical studies and commercialization requirements. Developing commercially viable manufacturing processes is a difficult and uncertain task, and there are risks associated with scaling to the level required for advanced clinical studies or commercialization, including cost overruns, potential problems with process scale-up, process reproducibility, comparability issues, stability, safety, purity and potency issues, regulatory agency review and endorsement processes, consistency and timely availability of reagents or raw materials. The manufacturing facilities in which our product and product candidates will be made could be adversely affected by pandemics, earthquakes and other natural or man-made disasters, equipment failures, labor shortages, power failures, and numerous other factors. In addition, there have been, and there may continue to be, transient interruptions in the supply of raw materials and consumables used in the development and manufacturing of our preclinical and clinical cell therapies related to raw material shortages due to the COVID-19 pandemic or other global pressures, including leukapheresis collections, which supply starting materials used in our product and product candidates, and raw materials and consumables specialized for cell therapy manufacturing. If we are unable to obtain such raw materials or other necessary raw materials in a timely manner, our business operations and manufacturing capabilities could be adversely affected. The process of manufacturing cellular therapies is susceptible to product loss due to contamination, equipment failure or improper installation or operation of equipment, or vendor or operator error. Even minor deviations from normal manufacturing and distribution processes for any of our product and product candidates could result in reduced production yields, impact to key product quality attributes, and other supply disruptions. Product defects can also occur unexpectedly. If microbial, viral or other contamination is discovered in reagents or in our product and product candidates or in the manufacturing facilities in which our product and product candidates are made, these manufacturing facilities may need to be closed for an extended period of time to allow us to investigate and remedy the contamination. For example, we have been informed by a CMO of mold and other contamination in certain manufacturing suites related to the manufacture of finished Ebvallo and tab-cel product and intermediates at the CMO's facility. We have had to, and may in the future need to, pause certain manufacturing activity at this CMO. We continue to work with the CMO to investigate and remediate contamination issues but can make no assurance regarding such remediation efforts. Because our T-cell immunotherapy product and product candidates are manufactured from cells collected from the blood of third party donors, the process of manufacturing is susceptible to the availability of the third party donor material. The process of developing products that can be commercialized may be particularly challenging, even if they otherwise prove to be safe and effective. The manufacture of these product and product candidates involves complex processes. Some of these processes require specialized equipment and highly skilled and trained personnel. The process of manufacturing these product and product candidates will be susceptible to additional risks, given the need to maintain aseptic conditions throughout the manufacturing process. Contamination with viruses or other pathogens in either the donor material or materials utilized in the manufacturing process or ingress of microbiological material at any point in the process may result in contaminated or unusable product. Viral contaminants may also arise in recombinant viral reagent production systems used to manufacture viral reagents used to manufacture product and product candidates. These types of contamination could result in delays in the manufacture of products which could result in delays in the development of our product candidates. Contamination could also increase the risk of adverse side effects. Furthermore, our allogeneic products ultimately consist of many individual cell intermediate or cell product lots, each with a different HLA profile. As a result, the selection and distribution of the appropriate cell product lot for therapeutic use in a patient requires close coordination between clinical operations, supply chain and quality assurance personnel. Any adverse developments affecting our, or our CMO's manufacturing operations for our product and product candidates may result in lot failures, inventory shortages, shipment delays, product withdrawals or recalls or other interruptions in the supply of our drug product which could delay the development of our product candidates or our ability to supply product to our commercial partners, including Pierre Fabre. We may also have to write off inventory, incur other charges and expenses for supply of drug product that fails to meet specifications, undertake costly remediation efforts, or seek more costly manufacturing alternatives. Inability to meet the demand for our product and product candidates could damage our reputation and the reputation of our products among physicians, healthcare payors, patients or the medical community that supports our product development efforts, including hospitals and outpatient clinics. Delays in receiving regulatory approvals for product candidates produced at our CMO's facilities could delay our development plans and thereby limit our ability to generate revenues. The research and development and process and analytical development labs within ARC and our facility in Aurora, Colorado, currently support our preclinical and mid/late development activities. Product-specific qualification to support clinical development and commercial production qualification activities are ongoing for product candidates at our CMO's facilities. If the appropriate regulatory approvals for manufacturing product candidates at our CMO's facilities are delayed, we may not be able to manufacture sufficient quantities of our product candidates, which would limit our development activities and our opportunities for growth. In addition to the similar manufacturing risks described in "Risks Related to Our Dependence on Third Parties," our facilities, and our CMO's facilities, will be subject to ongoing, periodic inspection by the FDA, EMA or other comparable regulatory agencies to ensure compliance with cGMP and GTP. Our, or our partner's, failure to follow and document adherence to these regulations or other regulatory requirements may lead to significant delays in the availability of products for clinical or, in the future, commercial use, may result in the termination of

or a hold on a clinical study, or may delay or prevent filing or approval of commercial marketing applications for our product candidates. We also may encounter problems with the following: • achieving adequate inventory of clinical-grade materials that meet regulatory agency standards or specifications with consistent and acceptable production yield and costs; • shortages of qualified personnel, raw materials or key contractors; and • achieving and maintaining ongoing compliance with cGMP regulations and other requirements of the FDA, EMA or other comparable regulatory agencies. Failure to comply with applicable regulations could also result in sanctions being imposed on us, including fines, injunctions, civil penalties, a requirement to suspend or put on hold one or more of our clinical studies, failure of regulatory authorities to grant marketing approval of our product candidates, delays, suspension or withdrawal of approvals, license revocation, seizures or recalls of product candidates, operating restrictions and criminal prosecutions, any of which could harm our business. Developing advanced manufacturing techniques and process controls is costly, time consuming and is required to fully utilize our or our CMOs' facilities. Failure to advance manufacturing techniques and process controls could lead to a delay in obtaining approval for our product candidates. Without further investment, advances in manufacturing techniques may render the facilities and equipment that manufacture our product candidates inadequate or obsolete. A number of the product candidates in our portfolio, if approved by applicable regulatory authorities, may require significant commercial supply to meet market demand. In these cases, we may need to increase, or "scale up," the production process by a significant factor over the initial level of production. If we are unable to do so, are delayed, or if the cost of this scale up is not economically feasible for us or we cannot find a third party supplier, we may not be able to produce our product candidates in sufficient quantities to meet future demand. If one or more of our CMOs' facilities is damaged or destroyed or production at these facilities is otherwise interrupted, our business would be negatively affected. If any of our CMOs' manufacturing facilities, or the equipment in any such facilities, is either damaged or destroyed, we may not be able to quickly or inexpensively replace such manufacturing capacity or replace it at all. In the event of a temporary or protracted disruption in operations or loss of a facility or its equipment, we may not be able to transfer manufacturing to another third party in the time required to maintain supply. Even if we could transfer manufacturing to another third party, the shift would likely be expensive and time-consuming, particularly since the new facility would need to comply with the necessary regulatory requirements or may require regulatory approval before selling any products manufactured at that facility. Such an event could delay our clinical studies or reduce our commercial product revenues. Currently, we maintain insurance coverage against damage to our property and to cover business interruption and research and development restoration expenses. However, our insurance coverage may not reimburse us, or may not be sufficient to reimburse us, for any expenses or losses we may suffer. We may be unable to meet our requirements for our product candidates if there were a catastrophic event or failure of our current manufacturing facility or processes.

**56 – Risks Related to Our Dependence on Third Parties**

Maintaining clinical and commercial timelines is dependent on our end-to-end supply chain network to support manufacturing; if we experience problems with our third party suppliers or CMOs we may delay development and/or commercialization of our product and product candidates. We rely on our CMOs or our partners for the current production of our product and product candidates and the acquisition of materials incorporated in or used in the manufacturing or testing of our product and product candidates. Our CMOs or partners are not our employees, and except for remedies available to us under our agreements with our CMOs or partners, we cannot directly control whether or not they devote sufficient time and resources, including experienced staff, to the manufacturing of supply for our ongoing clinical, nonclinical and preclinical programs. Our CMOs for our product and product candidates will need to be prepared to undergo pre-approval inspection in connection with our regulatory filings, and we cannot be certain that we will be able to adequately support them through such inspection nor that they will successfully pass any such inspection. To meet our projected supply needs for clinical and commercial materials to support our activities through regulatory approval and commercial manufacturing of tab-cel, product candidates resulting from our next-generation CAR T programs or any other product candidates, we will need to transition the manufacturing of these materials to a CMO. Regardless of where production occurs, we will need to develop relationships with suppliers of critical starting materials or reagents, increase the scale of production and demonstrate comparability of the material produced at these facilities to the material that was previously produced. Transferring manufacturing processes, analytical methods and know-how is complex and involves review and incorporation of both documented and undocumented processes that may have evolved over time. In addition, transferring production to different facilities may require utilization of new or different processes to meet the specific requirements of a given facility. We would expect additional comparability work will also need to be conducted to support the transfer of certain manufacturing processes and process improvements. We cannot be certain that all relevant know-how and data has been adequately incorporated into the manufacturing process until the completion of studies (and the related evaluations) intended to demonstrate the comparability of material previously produced with that generated by us or our CMOs. If we or our CMOs are not able to successfully transfer and produce comparable product and product candidates, our ability to further develop and manufacture our product and product candidates may be negatively impacted. We still may need to identify additional CMOs for continued production of supply for some of our product and product candidates. Given the nature of our manufacturing processes, the number of CMOs who possess the requisite skill and capability to manufacture our T-cell immunotherapy product candidates, and the critical intermediates or reagents used to manufacture such products, are limited. We have not yet identified alternate suppliers in the event the current CMOs that we utilize are unable to scale production, or if we otherwise experience any problems with them. We rely on our CMOs and manufacturing network for the production of our product and product candidates. Our supply, and ability to maintain inventory, of these products and product candidates depends on the uninterrupted and efficient operation of these facilities, which could be adversely affected by equipment failures, failure to meet regulatory or cGMP requirements, labor or raw material shortages, public health epidemics, natural disasters, power failures, cyber-attacks and many other factors. If we encounter any manufacturing or supply chain difficulties, we may be unable to meet the demand for our products and product candidates. Manufacturing cellular therapies is complicated and tightly regulated by the FDA and comparable regulatory authorities around the world, and although alternative third party suppliers with the necessary manufacturing and regulatory expertise and facilities exist, it could be expensive and take a significant amount of time to arrange for alternative suppliers, transfer manufacturing procedures and analytical methods to these alternative suppliers, and demonstrate comparability of material produced by such new suppliers. New manufacturers of any product, product candidate or intermediate would be required to qualify under applicable regulatory requirements. These manufacturers may not be able to manufacture our product and product candidates at costs, or in sufficient quantities, or in a timely manner necessary to complete development of our product candidates or make commercially successful products. If we are unable to arrange for alternative third party manufacturing sources, or to do so on commercially reasonable terms or in a timely manner, we may not be able to complete development of our product candidates, or market or distribute them. In addition, should the FDA or comparable regulatory authorities not agree with our product candidate specifications and comparability methodologies or assessments for these materials, regulatory authorities may require that we conduct additional studies, including bridging comparability testing, and further clinical development or commercial launch of our product candidates could be substantially delayed.

**57 – Reliance on third party manufacturers entails risks to which we would not be subject if we manufactured product and product candidates ourselves, including reliance on the third party for regulatory compliance and quality assurance, the possibility that the third party manufacturer does not maintain the financial resources to meet its obligations under the manufacturing agreement, the possibility of breach of the manufacturing agreement by the third party because of factors beyond our control, including a failure to manufacture our product candidates or any products we or our partners may eventually commercialize in accordance with our specifications, misappropriation of our proprietary information, including our trade secrets and know-how, the possibility that the third party does not devote sufficient time or resources to our product candidates or any products we or our partners may eventually commercialize based on its own business priorities, the possibility that the third party is acquired by another party and changes its business priorities, and the possibility of termination or nonrenewal of the agreement by the third party, based on its own business priorities, at a time that is costly or damaging to us.** For example, the CRL MSA expired on August 31, 2024. While we are in negotiations with CRL for an amendment to further extend the CRL MSA and a new commercial manufacturing agreement, there can be no assurance that we will be able to further extend the CRL MSA or enter into a new commercial drug product supply agreement with CRL on terms favorable or acceptable to us or at all. Any delays in entering into a new commercial manufacturing agreement and/or further extension of the current CRL MSA could delay the development and commercialization of our product and product candidates, if approved. In addition, if we are unable to enter into a new commercial manufacturing agreement with CRL on acceptable terms, or at all, we would have to explore other options for the manufacture of our product and product candidates, which could harm our business. If Fujifilm does not perform its obligations under the Fujifilm MSA adequately or does not devote sufficient time or resources to our product or product candidates, our operations, including the commercialization of our products, may be adversely impacted. Similarly, if CRL does not perform its obligations under the CRL MSA adequately or does not devote sufficient time or resources to our product or product candidates, our operations, including the commercialization of our products, may be adversely impacted. We also have non-cancellable minimum purchase commitments for products and services in certain of our agreements with our CMOs, if we do not fulfill such minimum purchase commitments, we will need to pay such CMOs the difference between the applicable minimum purchase commitment and our actual purchases of products and services for a given period. In addition, the FDA and other regulatory authorities require that our product candidates and any products that we or our partners may eventually commercialize be manufactured according to cGMP, cGTP and similar regulatory jurisdictional standards. These requirements include, among other things, quality control, quality assurance and the maintenance of records and documentation. The FDA or similar foreign regulatory agencies may also implement new standards at any time or change their interpretations and enforcement of existing standards for manufacture, packaging or testing of products. We have limited control over our manufacturers' compliance with these regulations and standards and although we monitor our manufacturers, we depend on them to provide honest and accurate information. Any failure by our third party manufacturers to comply with cGMP or cGTP or failure to scale up manufacturing processes, including any failure to deliver sufficient quantities of product candidates in a timely manner, could lead to a delay in, or failure to obtain, regulatory approval of any of our product candidates. In addition, such failure could be the basis for the FDA to issue a warning letter, withdraw approvals for product candidates previously granted to us, or take other regulatory or legal action, including recall or seizure of outside supplies of the product candidate, total or partial suspension of production, suspension of ongoing clinical studies, refusal to approve pending applications or supplemental applications, detention or product, refusal to permit the import or export of products, injunction or imposing civil and criminal penalties. We depend on third party suppliers and testing laboratories for key materials used to produce or test our product and product candidates. Any significant disruption in our supplier relationships could harm our business. Any significant delay in the supply of a product candidate for an ongoing clinical study could considerably delay initiation or completion of our clinical studies, product testing and potential regulatory approval of our product candidates. If raw materials or components cannot be purchased or fail to meet approved specifications, the commercial launch of our product and product candidates could be delayed, or there could be a shortage in supply, which could impair our ability to generate revenues from the sale of our product and product candidates. We are dependent on Pierre Fabre for the commercialization of tab-cel (Ebvallo in the EEA, Switzerland and the UK) worldwide, including the United States. The failure of Pierre Fabre to meet its contractual, regulatory or other obligations could adversely affect our business and our obligations under the HCRx Agreement. We have entered into the A&R Commercialization Agreement for tab-cel (Ebvallo in the EEA, Switzerland and the UK) worldwide for EBV-positive cancers and are in the process of negotiating amendments to certain ancillary agreements as contemplated by the A&R Commercialization Agreement to further advance our partnership with Pierre Fabre. The closing of the A&R Commercialization Agreement occurred in December 2023. As a result, we are entirely dependent on Pierre Fabre for marketing and commercialization, including negotiation of pricing and reimbursement, of tab-cel. The timing and amount of any milestone and royalty payments we may receive under the A&R Commercialization Agreement, as well as the commercial success of tab-cel, will depend on, among other things, the efforts, allocation of resources, negotiation of pricing and reimbursement and successful commercialization of tab-cel by Pierre Fabre.

**58 – Under the terms of the A&R Commercialization Agreement, if we receive US BLA approval for tab-cel in patients with EBV+ PTLT, we are**

required to transfer the BLA to Pierre Fabre. Pierre Fabre will be responsible for obtaining all other regulatory approvals and maintaining all regulatory approvals. We will depend on Pierre Fabre to comply with numerous and varying regulatory requirements governing, if and when applicable, the manufacture, quality control, further development, labeling, packaging, storage, distribution, adverse event reporting, safety surveillance, import, export, advertising, promotion, recordkeeping and reporting of safety and other post-marketing information. We do not control the individual efforts of Pierre Fabre and have limited ability to terminate the A&R Commercialization Agreement if Pierre Fabre does not perform as expected. The failure of Pierre Fabre to devote sufficient time and effort to comply with regulatory requirements and maintain the US BLA (if approved), the EEA, Switzerland and UK marketing authorizations and other regulatory approvals and/or to meet their obligations to us, could have an adverse impact on our financial results and operations, and our obligations under the HCRx Agreement with respect to the Initial Territory. Furthermore, we are responsible for manufacturing and supplying tab-cel to Pierre Fabre for commercialization in the Territory at cost plus a margin until the transfer of manufacturing responsibility to Pierre Fabre. Pierre Fabre will assume the responsibility and cost for the manufacture and supply of tab-cel in the Territory upon the Manufacturing Transition Date, which is defined as the earlier of i) the date on which all activities relating to the transfer of tab-cel manufacturing, pursuant to the A&R Commercialization Agreement, from Atara to Pierre Fabre have been completed to the reasonable satisfaction of both parties, or ii) December 31, 2025, throughout the remainder of the term of the A&R Commercialization Agreement. Pierre Fabre and we are to use commercially reasonable efforts to achieve this prior to the earlier transfer date from Atara to Pierre Fabre of the first marketing authorization in the Additional Territory or the first BLA. Any delays in completing the manufacturing transfer to Pierre Fabre will increase our costs in order to meet our supply obligations and adversely impact our ability to develop our product candidates. We also depend on Pierre Fabre to comply with all applicable laws relative to the commercialization of tab-cel in the Additional Territory. The failure of Pierre Fabre to devote sufficient time and effort to the commercialization of tab-cel; to meet their obligations to us, including for future royalty and milestone payments; to adequately deploy business continuity plans in the event of a crisis; and/or to satisfactorily resolve significant disagreements with us or address other factors could have an adverse impact on our financial results and operations. In addition, if Pierre Fabre violates, or are alleged to have violated, any laws or regulations during the performance of their obligations for us, it is possible that we could suffer financial and reputational harm or other negative outcomes, including possible legal consequences. Any termination, breach or expiration of the A&R Commercialization Agreement or ancillary agreements, could have a material adverse effect on our financial position, and our obligations under the HCRx Agreement with respect to the Initial Territory, by reducing or eliminating our right to receive fees, milestones and royalties. In such an event, we may be required to devote additional efforts and to incur additional costs associated with the transfer of regulatory approvals and commercialization of tab-cel. Alternatively, we may attempt to identify and transact with a new commercialization partner, but there can be no assurance that we would be able to identify a suitable partner or transact on terms similar to the A&R Commercialization Agreement or that are favorable to us. We may not realize the benefits of strategic alliances that we may form in the future or of potential future product acquisitions or licenses. We may desire to form additional strategic alliances, commercialization partnerships, create joint ventures or collaborations, enter into licensing arrangements with third parties or acquire products or business, in each case that we believe will complement or augment our existing business. These relationships or transactions, or those like them, may require us to incur nonrecurring and other charges, increase our near- and long-term expenditures, issue securities that dilute our existing stockholders, reduce the potential profitability of the products that are the subject of the relationship or disrupt our management and business. In addition, we face significant competition in seeking appropriate strategic alliances and transactions and the negotiation process is time-consuming and complex and there can be no assurance that we can enter into any of these transactions even if we desire to do so. Moreover, we may not be successful in our efforts to establish a strategic alliance or other alternative arrangements for any future product candidates and programs because our research and development pipeline may be insufficient, our product candidates and programs may be deemed to be at too early a stage of development for collaborative effort and third parties may not view our product candidates and programs as having the requisite potential to demonstrate a positive benefit/risk profile. Any delays in entering into new strategic alliances agreements related to our product candidates could also delay the development and commercialization of our product candidates and reduce their competitiveness even if they reach the market. In addition, any termination of established strategic alliance agreements will terminate any potential future funding we may receive under the relevant agreements, and we would have to seek a new partner for development or commercialization, curtail or abandon that development or commercialization, or undertake and fund the development and commercialization of the relevant product. If we seek a new partner but are unable to do so on acceptable terms, or at all, or do not have sufficient funds to conduct the development or commercialization of products ourselves, we would have to explore other strategic options, including curtailing or abandoning that development or commercialization, which could harm our business. For example, effective July 31, 2022, we terminated the agreements with Bayer pursuant to the Termination, Amendment and Program Transfer Agreement (Bayer Termination Agreement). 59 ¶ If we license products or acquire businesses, we may not be able to realize the benefit of these transactions if we are unable to successfully integrate them with our existing operations and company culture. We cannot be certain that, following an acquisition or license, we will achieve the financial or strategic results that would justify the transaction. Risks Related to Our Intellectual Property ¶ If we are unable to obtain and maintain sufficient intellectual property protection for our product candidates, or if the scope of the intellectual property protection is not sufficiently broad, our ability to commercialize our product candidates successfully and to compete effectively may be adversely affected. We rely upon a combination of patents, trademarks, trade secrets and confidentiality agreements to protect both that we own or possess or that are owned or possessed by our partners and are in-licensed to us to protect the intellectual property related to our technology, product and product candidates. When we refer to “our technologies, inventions, patents, patent applications or other intellectual property rights,” we are referring to both the rights that we own or possess as well as those that we in-license, many of which are critical to our intellectual property protection and our business. For example, the product, product candidates and platform technology we have licensed from our partners are protected primarily by patent or patent applications of our partners that we have licensed and as confidential know-how and trade secrets. If the intellectual property that we rely on is not adequately protected, competitors may be able to use our technologies and erode or negate any competitive advantage we may have. The patentability of inventions and the validity, enforceability and scope of patents in the biotechnology field is uncertain because it involves complex legal, scientific and factual considerations, and it has in recent years been the subject of significant litigation. Moreover, the standards applied by the U.S. Patent and Trademark Office (USPTO) and non-U.S. patent offices in granting patents are not always applied uniformly or predictably. For example, there is no uniform worldwide policy regarding patentable subject matter or the scope of claims allowable in biotechnology patents. There is no assurance that all potentially relevant prior art relating to our patents and patent applications is known to us or has been found in the instances where searching was done. We may be unaware of prior art that could be used to invalidate an issued patent or prevent a pending patent application from being issued as a patent. There also may be prior art of which we are aware, but which we do not believe affects the validity or enforceability of a claim of one of our patents or patent applications, which may, nonetheless, ultimately be found to affect the validity or enforceability of such claim. As a consequence of these and other factors, our patent applications may fail to result in issued patents with claims that cover our product and product candidates in the U.S. or in other countries. Even if patents have issued or do successfully issue from patent applications, and even if these patents cover our product and product candidates, third parties may still challenge the validity, enforceability or scope thereof, which may result in these patents being narrowed, invalidated or held to be unenforceable. No assurance can be given that if challenged, our patents would be declared by a court to be valid or enforceable. Even if unchallenged, our patents and patent applications or other intellectual property rights may not adequately protect our intellectual property, provide exclusivity for our product and product candidates or prevent others from designing around our claims. The possibility exists that others will develop products on an independent basis which have the same effect as our product and product candidates and which do not infringe our patents or other intellectual property rights, or that others will design around the claims of patents that we have had issued that cover our product and product candidates. If the breadth or strength of protection provided by our patents and patent applications with respect to our product and product candidates are threatened, it could jeopardize our ability to commercialize our product and product candidates and dissuade companies from collaborating with us. We may also desire to seek a license from a third party who owns intellectual property that may be useful for providing exclusivity for our product and product candidates, or for providing the ability to develop and commercialize a product candidate in an unrestricted manner. There is no guarantee that we will be able to obtain a license from such a third party on commercially reasonable terms, or at all. In addition, the USPTO and various foreign governmental patent agencies require compliance with a number of procedural, documentary, fee payment and other similar provisions during the patent application process. While an inadvertent lapse can in many cases be cured by payment of a late fee or by other means in accordance with the applicable rules, there are situations in which noncompliance can result in abandonment or lapse of the patent or patent application, resulting in partial or complete loss of patent rights in the relevant jurisdiction. 60 ¶ We and our partners have filed a number of patent applications covering our product and product candidates or methods of using or making the product and those product candidates. We cannot offer any assurances about which, if any, patents will be issued with respect to these pending patent applications, the breadth of any such patents that are ultimately issued or whether any issued patents will be found invalid and unenforceable or will be threatened by third parties. Because patent applications in the U.S. and most other countries are confidential for a period of time after filing, and some remain so until issued, we cannot be certain that we or our partners were the first to file any patent application related to a product or product candidate. We or our partners may also become involved in proceedings regarding our patents, including patent infringement lawsuits, interference or derivation proceedings, oppositions, and inter partes and post-grant review proceedings before the USPTO the European Patent Office and other foreign patent offices. Even if granted, patents have a limited lifespan. In the U.S., the natural expiration of a patent generally occurs 20 years after it is filed. Although various extensions may be available if certain conditions are met, the life of a patent and the protection it affords is limited. If we encounter delays in our clinical studies or in obtaining regulatory approvals, the period of time during which we could exclusively market any of our product and product candidates under patent protection, if approved, could be reduced. Even if patents covering our product and product candidates are obtained, once the patent life has expired for a product, we may be vulnerable to competition from biosimilar products, as we may be unable to prevent competitors from entering the market with a product that is similar or identical to our product candidates. Furthermore, the research resulting in certain of our licensed patent rights and technology was funded by the U.S. government. As a result, the government has certain rights to these patent rights and technology. When new technologies are developed with government funding, the government generally obtains certain rights in any resulting patents, including a non-exclusive license authorizing the government to practice the invention for or on behalf of the U.S. These rights may permit the government to disclose confidential information on which we rely to third parties and to exercise march-in rights to use or allow third parties to use our licensed technology. The government can exercise its march-in rights if it determines that action is necessary because we fail to achieve practical application of the government-funded technology, because action is necessary to alleviate health or safety needs, to meet requirements of federal regulations or to give preference to U.S. industry. In addition, our rights in any inventions that result from government-funded research may be subject to certain requirements to manufacture products embodying these inventions in the U.S. If we are sued for infringing the intellectual property rights of third parties, the resulting litigation could be costly and time-consuming and could prevent or delay our or our partners’ development and commercialization efforts. Our commercial success depends, in part, on us and our partners not infringing the patents and proprietary rights of third parties. There is a substantial amount of litigation and other adversarial proceedings, both within and outside the U.S., involving patent and other intellectual property rights in the biotechnology and pharmaceutical industries, including patent infringement lawsuits, interference or derivation proceedings, oppositions, and inter partes and post-grant review proceedings before the USPTO and non-U.S. patent offices. Numerous U.S. and non-U.S. issued patents and pending patent applications owned by third parties exist in the fields in which we are developing and may develop our product and product candidates. As the biotechnology and pharmaceutical industries expand and more patents are

issued, the risk increases that our product and product candidates may be subject to claims of infringement of third parties' patent rights, as it may not always be clear to industry participants, including us, which patents cover various types of products or methods of use. The coverage of patents is subject to interpretation by the courts, and the interpretation is not always uniform or predictable. Third parties may assert infringement claims against us based on existing or future intellectual property rights, alleging that we are employing their proprietary technology without authorization. There may be third party patents or patent applications with claims to materials, formulations, methods of manufacture or methods for treatment related to the use or manufacturing of our product and product candidates that we failed to identify. For example, patent applications covering our product and product candidates could have been filed by others without our knowledge, since these applications generally remain confidential for some period of time after their filing date. Even pending patent applications that have been published, including some of which we are aware, could be later amended in a manner that could cover our product and product candidates or their use or manufacture. In addition, we may have analyzed patents or patent applications of third parties that we believe are relevant to our activities and believe that we are free to operate in relation to any of our product and product candidates, but our competitors may obtain issued claims, including in patents we consider to be unrelated, which may block our efforts or potentially result in any of our product, product candidates or our activities infringing their claims. 61 If we or our partners are sued for patent infringement, we would need to demonstrate that our product candidates, product and methods either do not infringe the patent claims of the relevant patent or that the patent claims are invalid, and we may not be able to do this. Proving that a patent is invalid is difficult and even if we are successful in the relevant proceedings, we may incur substantial costs and the time and attention of our management and scientific personnel could be diverted from other activities. If any issued third-party patents were held by a court of competent jurisdiction to cover aspects of our materials, formulations, methods of manufacture or methods for treatment, we could be forced, including by court order, to cease developing, manufacturing or commercializing the relevant product or product candidate until the relevant patent expired. Alternatively, we may desire or be required to obtain a license from such third party in order to use the infringing technology and to continue developing, manufacturing or marketing the infringing product or product candidate. However, we may not be able to obtain any required license on commercially reasonable terms, or at all. Even if we were able to obtain a license, the rights may be nonexclusive, which could result in our competitors gaining access to the same intellectual property licensed to us. We may face claims that we misappropriated the confidential information or trade secrets of a third party. If we are found to have misappropriated a third party's trade secrets, we may be prevented from further using these trade secrets, which could limit our ability to develop our product candidates. Defending against intellectual property claims could be costly and time consuming, regardless of the outcome. Thus, even if we were to ultimately prevail, or to settle before a final judgment, any litigation could burden us with substantial unanticipated costs. In addition, litigation or threatened litigation could result in significant demands on the time and attention of our management team, distracting them from the pursuit of other company business. During the course of any intellectual property litigation, there could be public announcements of the results of hearings, rulings on motions, and other interim proceedings in the litigation and these announcements may have negative impact on the perceived value of our product, product candidates, programs or intellectual property. In the event of a successful intellectual property claim against us, we may have to pay substantial damages, including treble damages and attorneys' fees if we are found to have willfully infringed a patent, or to redesign our infringing product and product candidates, which may be impossible or require substantial time and monetary expenditure. In addition to paying monetary damages, we may lose valuable intellectual property rights or personnel and the parties making claims against us may obtain injunctive or other equitable relief, which could impose limitations on the conduct of our business. We may also elect to enter into license agreements in order to settle patent infringement claims prior to litigation, and any of these license agreements may require us to pay royalties and other fees that could be significant. As a result of all of the foregoing, any actual or threatened intellectual property claim could prevent us or our partners from developing or commercializing a product or product candidate or force us to cease some aspect of our business operations. We may not be able to protect our intellectual property rights throughout the world. Filing, prosecuting, enforcing and defending patents on all of our product and product candidates in all countries throughout the world would be prohibitively expensive. Our intellectual property rights in certain countries outside the U.S. may be less extensive than those in the U.S. In addition, the laws of certain foreign countries do not protect intellectual property rights to the same extent as laws in the U.S. Consequently, we and our partners may not be able to prevent third parties from practicing our inventions in countries outside the U.S., or from selling or importing infringing products made using our inventions in and into the U.S. or other jurisdictions. Competitors may use our technologies in jurisdictions where we have not obtained patent protection or where we do not have exclusive rights under the relevant patents to develop their own products and, further, may export otherwise-infringing products to territories where we and our partners have patent protection but where enforcement is not as strong as that in the U.S. These infringing products may compete with our product and product candidates in jurisdictions where we or our partners have no issued patents or where we do not have exclusive rights under the relevant patents, or our patent claims and other intellectual property rights may not be effective or sufficient to prevent them from so competing. Many companies have encountered significant problems in protecting and defending intellectual property rights in foreign jurisdictions. The legal systems of certain countries, particularly certain developing countries, do not favor the enforcement of patents and other intellectual property protection, particularly those relating to biopharmaceuticals, which could make it difficult for us and our partners to stop the infringement of our patents or marketing of competing products in violation of our intellectual property rights generally. Proceedings to enforce our patent rights in foreign jurisdictions could result in substantial costs and divert our attention from other aspects of our business, could put our patents at risk of being invalidated or interpreted narrowly, could put our patent applications at risk of not issuing, and could provoke third parties to assert claims against us or our partners. We or our partners may not prevail in any lawsuits that we or our licensors initiate, and even if we or our licensors are successful the damages or other remedies awarded, if any, may not be commercially meaningful. 62 We have in-licensed a significant portion of our intellectual property from our partners. If we breach any of our license agreements with these partners, we could lose the ability to continue the development and potential commercialization of one or more of our product candidates. We hold rights under license agreements with our partners, including MSK and QIMR Berghofer that are important to our business. Our discovery and development platform is built, in part, around patent rights in-licensed from our partners. Under our existing license agreements, we are subject to various obligations, including diligence obligations with respect to development and commercialization activities, payment obligations upon achievement of certain milestones and royalties on product sales. If there is any conflict, dispute, disagreement or issue of nonperformance between us and our counterparties regarding our rights or obligations under these license agreements, including any conflict, dispute or disagreement arising from our failure to satisfy diligence or payment obligations, we may be liable to pay damages and our counterparties may have a right to terminate the affected license. For example, we are in disagreement with MSK on whether we owe a portion of the upfront payments and milestones we received from Pierre Fabre under the A&R Commercialization Agreement to MSK under the terms of our license agreements with MSK. We plan to enter into evaluative non-binding mediation with MSK to potentially resolve this disagreement. There is no guarantee we will reach a favorable outcome in the mediation or on this matter and we may owe a portion of future milestones we receive from Pierre Fabre to MSK. The termination of any license agreement with one of our partners would materially adversely affect our ability to utilize the intellectual property that is subject to that license agreement in our drug discovery and development efforts, our ability to enter into future collaboration, licensing and/or marketing agreements for one or more affected product and product candidates and our, or our partners' ability to commercialize the affected product and product candidates. Furthermore, a disagreement under any of these license agreements may harm our relationship with the partner, which could have negative impacts on other aspects of our business. We may become involved in lawsuits to protect or enforce our intellectual property, which could be expensive, time-consuming and unsuccessful and have a material adverse effect on the success of our business. Third parties may infringe our patents or misappropriate or otherwise violate our intellectual property rights. Our patent applications cannot be enforced against third parties practicing the technology claimed in these applications unless and until a patent issues from the applications, and then only to the extent the issued claims cover the technology. In the future, we or our partners may elect to initiate legal proceedings to enforce or defend our or our partners' intellectual property rights, to protect our or our partners' trade secrets or to determine the validity or scope of our intellectual property rights. Any claims that we or our partners assert against perceived infringers could also provoke these parties to assert counterclaims against us or our partners alleging that we or our partners infringe their intellectual property rights or that our intellectual property rights are invalid. Interference or derivation proceedings provoked by third parties, brought by us or our partners, or brought by the USPTO or any non-U.S. patent authority may be necessary to determine the priority of inventions or matters of inventorship with respect to our patents or patent applications. We or our partners may also become involved in other proceedings, such as reexamination or opposition proceedings, inter partes review, post-grant review or other pre-issuance or post-grant proceedings in the USPTO or its foreign counterparts relating to our intellectual property or the intellectual property of others. An unfavorable outcome in any of these proceedings could require us or our partners to cease using the related technology and commercializing our product and product candidates, or to attempt to license rights to it from the prevailing party. Our business could be harmed if the prevailing party does not offer us or our partners a license on commercially reasonable terms if any license is offered at all. Even if we or our licensors obtain a license, it may be non-exclusive, thereby giving our competitors access to the same technologies licensed to us or our licensors. In addition, if the breadth or strength of protection provided by our patents and patent applications is threatened, it could dissuade companies from collaborating with us to license, develop or commercialize current or future product and product candidates. Any intellectual property proceedings can be expensive and time-consuming. Our or our partners' adversaries in these proceedings may have the ability to dedicate substantially greater resources to prosecuting these legal actions than we or our partners can. Accordingly, despite our or our partners' efforts, we or our partners may not be able to prevent third parties from infringing upon or misappropriating our intellectual property rights, particularly in countries where the laws may not protect our rights as fully as in the U.S. Even if we are successful in the relevant proceedings, we may incur substantial costs and the time and attention of our management and scientific personnel could be diverted from other activities. We could be found liable for monetary damages, including treble damages and attorneys' fees, if we are found to have willfully infringed a patent. In addition, in an infringement proceeding, a court may decide that one or more of our patents is invalid or unenforceable, in whole or in part, or may refuse to stop the other party from using the technology at issue on the grounds that our patents do not cover the technology in question. An adverse result in any litigation proceeding could put one or more of our patents at risk of being invalidated, held unenforceable or interpreted narrowly. 63 Furthermore, because of the substantial amount of discovery required in connection with intellectual property litigation, there is a risk that some of our confidential information could be compromised by disclosure during this type of litigation. In addition, there could be public announcements of the results of hearings, motions or other interim proceedings or developments. If we are unable to protect the confidentiality of our trade secrets and other proprietary information, the value of our technology could be materially adversely affected and our business could be harmed. In addition to seeking the protection afforded by patents, we rely on trade secret protection and confidentiality agreements to protect proprietary know-how that is not patentable or that we elect not to patent, processes for which patents are difficult to enforce, and other elements of our technology, discovery and development processes that involve proprietary know-how, information or technology that is not covered by patents. The T-cell immunotherapy product candidates and platform technology we have licensed from our partners are protected primarily as confidential know-how and trade secrets. Any disclosure to or misappropriation by third parties of our confidential proprietary information could enable competitors to quickly duplicate or surpass our technological achievements, including by enabling them to develop and commercialize products substantially similar to or competitive with our product candidates, thus eroding our competitive position in the market. Trade secrets can be difficult to protect. We seek to protect our proprietary technology and processes, in part, by entering into confidentiality agreements and invention assignment agreements with our employees, consultants, CMOs, and outside scientific advisors, contractors and collaborators. These agreements are designed to protect our proprietary information. Although we use reasonable efforts to protect our trade secrets, our employees, consultants, contractors, or outside scientific advisors might

intentionally or inadvertently disclose our trade secrets or confidential, proprietary information to competitors. In addition, competitors may otherwise gain access to our trade secrets or independently develop substantially equivalent information and techniques. If any of our confidential proprietary information were to be lawfully obtained or independently developed by a competitor, we would have no right to prevent such competitor from using that technology or information to compete with us, which could harm our competitive position. Enforcing a claim that a third party illegally obtained and is using any of our trade secrets is expensive and time consuming, and the outcome is unpredictable. In addition, the laws of certain foreign countries do not protect proprietary rights such as trade secrets to the same extent or in the same manner as the laws of the U.S. Misappropriation or unauthorized disclosure of our trade secrets to third parties could impair our competitive advantage in the market and could materially adversely affect our business, results of operations and financial condition.

**Risks Related to Commercialization of Our Product and Product Candidates**Our commercial success depends upon attaining significant market acceptance of our product and product candidates, if approved, among physicians, patients, healthcare payors and the medical community, including hospitals and outpatient clinics. Even if we or our partners obtain regulatory approval for any of our product candidates that we may develop or acquire in the future, the product may not gain market acceptance among physicians, healthcare payors, patients or the medical community that supports our product development efforts, including hospitals and outpatient clinics. Market acceptance of any of our product and product candidates for which we receive approval depends on a number of factors, including:â€¢the efficacy and safety of the product candidates as demonstrated in clinical studies;â€¢the clinical indications and patient populations for which the product candidate is approved; â€¢the inclusion into clinical treatment guidelines; â€¢acceptance by physicians and patients of the drug as a safe and effective treatment;â€¢the administrative and logistical burden of treating patients;â€¢the ability to identify in a timely manner the appropriate patients who will benefit from specific therapy;â€¢the consideration of novel cellular therapies by physicians, hospitals and third party payors;â€¢the potential and perceived advantages of product candidates over alternative treatments;â€¢the safety of product candidates seen in a broader patient group, including its use outside the approved indications;â€¢any restrictions on use together with other medications;â€¢the prevalence and severity of any side effects; 64 Â â€¢product labeling or product insert requirements of the FDA or other regulatory authorities;â€¢the timing of market introduction of our products as well as competitive products;â€¢the development of manufacturing and distribution processes for our product and product candidates;â€¢the cost of treatment in relation to alternative treatments;â€¢the availability of coverage and adequate reimbursement from, and our commercialization partners' ability to negotiate pricing with, third-party payors and government authorities;â€¢relative convenience and ease of administration;â€¢the ability to achieve a pricing and reimbursement recommendation or commercial agreement with national payors; andâ€¢the effectiveness of our commercialization partners' sales and marketing efforts. Even if we or our partners are able to commercialize our product and product candidates, the products may not receive coverage and adequate reimbursement from third party payors in the U.S. and in other countries in which our partners seek to commercialize our products, which could harm our business. Our ability to commercialize any product successfully will depend, in part, on the extent to which coverage and adequate reimbursement for these products and related treatments will be available from government health administration authorities, private health insurers and other organizations. Government authorities and third party payors, such as private health insurers and health maintenance organizations, determine which medications they will cover and establish reimbursement levels. A primary trend in the healthcare industry is cost containment. Government authorities and third party payors continue to support initiatives to control costs by limiting coverage and the amount of reimbursement for particular medications. Increasingly, third party payors are requiring that drug companies provide them with predetermined discounts from list prices and are challenging the prices charged for medical products. Third party payors may also seek additional clinical evidence, beyond the data required to obtain regulatory approval, demonstrating clinical benefits and value in specific patient populations before covering our products for those patients. We cannot be sure that coverage and adequate reimbursement will be available for any product that our partners commercialize and, if reimbursement is available, what the level of reimbursement will be. In some countries such as the U.S., greater cost-shifting from the payor to the patient is also a trend, and higher patient copayments or other administrative burdens could lead to reduced demand from patients or healthcare professionals. This could particularly be the case in a challenging economic climate. Coverage and reimbursement may impact the demand for, or the price of, any product or product candidate for which we obtain regulatory approval, and ultimately our partnersâ€™ ability to successfully commercialize any product or product candidate for which we obtain regulatory approval. There may be significant delays in obtaining coverage and reimbursement for newly approved drugs, and coverage may be more limited than the purposes for which the drug is approved by the FDA or comparable foreign regulatory authorities. Moreover, eligibility for coverage and reimbursement does not imply that any drug will be paid for in all cases or at a rate that covers our costs, including research, development, manufacture, sale and distribution. Interim reimbursement levels for new drugs, if applicable, may also not be sufficient to cover our costs and may only be temporary. Reimbursement rates may vary according to the use of the drug and the clinical setting in which it is used, may be based on reimbursement levels already set for lower cost drugs and may be incorporated into existing payments for other services. Net prices for drugs may be reduced by mandatory discounts or rebates required by government healthcare programs or private payors and by any future relaxation of laws that presently restrict imports of drugs from countries where they may be sold at lower prices than in the U.S. Coverage and reimbursement policies for drug products can differ significantly from payor to payor as there is no uniform policy of coverage and reimbursement for drug products among third party payors in the U.S. Third party payors in the U.S. often rely upon Medicare coverage policy and payment limitations in setting their own reimbursement policies. The process of determining coverage and reimbursement is often time consuming and costly which will require us to provide scientific and clinical support for the use of our products to each payor separately, with no assurance that coverage or adequate reimbursement will be obtained. It is difficult to predict at this time what government authorities and third party payors will decide with respect to coverage and reimbursement for our drug products. Our partnersâ€™ inability to promptly obtain coverage and profitable reimbursement rates from both government-funded and private payors for any approved products that we develop could have a material adverse effect on our operating results, our ability to raise capital needed and our overall financial condition. 65 Â Current and future legislation, including potentially unfavorable pricing regulations or other healthcare reform initiatives, may increase the difficulty and cost for us to obtain regulatory approval of our product candidates and affect the prices for our product and product candidates. The regulations that govern, among other things, regulatory approvals, coverage, pricing and reimbursement for new drug products vary widely from country to country. In the U.S. and some foreign jurisdictions, there have been a number of legislative and regulatory changes and proposed changes regarding the healthcare system that could prevent or delay regulatory approval of our product candidates, restrict or regulate post-approval activities and affect our ability to successfully sell any product and product candidates for which we obtain regulatory approval. In particular, in March 2010, the Patient Protection and Affordable Care Act, as amended by the Health Care and Education Reconciliation Act, collectively, the Affordable Care Act (ACA), was enacted, which substantially changed the way healthcare is financed by both governmental and private insurers, and continues to significantly impact the U.S. pharmaceutical industry. The Affordable Care Act and its implementing regulations, among other things, addressed a new methodology by which rebates owed by manufacturers under the Medicaid Drug Rebate Program are calculated for certain drugs and biologics, including our product candidates, increased the minimum Medicaid rebates owed by manufacturers under the Medicaid Drug Rebate Program, extended the Medicaid Drug Rebate Program to utilization of prescriptions of individuals enrolled in Medicaid managed care organizations, subjected manufacturers to new annual fees and taxes for certain branded prescription drugs, and provided incentives to programs that increase the federal governmentâ€™s comparative effectiveness research. Effective January 1, 2024, manufacturers' Medicaid Drug Rebate Program rebate liability is no longer capped, potentially resulting in a manufacturer paying more in Medicaid Drug Rebate Program rebates than it receives on the sale of certain covered outpatient drugs. Other legislative changes have been proposed and adopted in the U.S. since the ACA was enacted. In August 2011, the Budget Control Act of 2011, among other things, created measures for spending reductions by the U.S. Congress. This includes aggregate reductions of Medicare payments to providers of 2% per fiscal year, which went into effect in April 2013. As a result of the COVID-19 pandemic, this reduction was temporarily suspended from May 1, 2020 through March 31, 2022, with subsequent reductions to 1% from April 1, 2022 through June 30, 2022. The 2% reduction was then reinstated and has been in effect since July 1, 2022, and will remain in effect through the first eight months in which the FY 2032 sequestration order is in effect. In January 2013, the American Taxpayer Relief Act of 2012 was enacted which, among other things, further reduced Medicare payments to several providers, including hospitals and outpatient clinics, and increased the statute of limitations period for the government to recover overpayments to providers from three to five years. There have been judicial and Congressional challenges to numerous elements of the ACA, as well as efforts by both the executive and legislative branches of the federal government to repeal or replace certain aspects of the ACA. While the U.S. Congress has not passed comprehensive repeal legislation, it has enacted laws that modify certain provisions of the ACA, such as removing penalties, starting January 1, 2019, for not complying with the ACAâ€™s individual mandate to carry health insurance and eliminating the implementation of certain mandated fees. On June 17, 2021, the U.S. Supreme Court dismissed a legal challenge to the law brought by several states arguing that, without the individual mandate, the entire ACA was unconstitutional. The Supreme Court dismissed the lawsuit without ruling on the merits of the statesâ€™ constitutionality arguments. Further, the Inflation Reduction Act (IRA), signed into law in August 2022, extended the provision of enhanced subsidies for individuals purchasing health coverage through the ACA marketplace. The enhanced subsidies, which were originally passed as part of the American Rescue Plan Act are now extended through 2025. In the future, there may be additional challenges and/or amendments to the ACA. It is unclear how future litigation and the healthcare reform measures of future presidential administrations will impact the ACA and our business. There have been, and likely will continue to be, legislative and regulatory proposals at the foreign, federal and state levels directed at broadening the availability of healthcare and containing or lowering the cost of healthcare. We cannot predict the initiatives that may be adopted in the future. The continuing efforts of governments, insurance companies, managed care organizations and other payors of healthcare services to contain or reduce costs of healthcare, including by imposing price controls, may adversely affect the demand for our product and product candidates for which we obtain regulatory approval and our ability to set a price that we believe is fair for our products. Any reduction in reimbursement from Medicare or other government programs may result in a similar reduction in payments from private payors. For example, in April 2023, the European Commission adopted a wide-ranging proposal for a new Directive and a new Regulation. If made into law, this proposal will revise and replace the existing general pharmaceutical legislation. This change will likely result in significant changes to the pharmaceutical industry. In particular, it is expected that the new Directive and Regulations will, if made into law, affect the duration of the period of regulatory protection afforded to medicinal products including regulatory data protection (also called â€œdata exclusivityâ€), marketing exclusivity afforded to orphan medicinal products, as well as the conditions of eligibility to the orphan designation. 66 Â Legislative and regulatory proposals have been made to expand post-approval requirements and restrict sales and promotional activities for pharmaceutical products. We cannot be sure whether additional legislative changes will be enacted, or whether the U.S. or foreign regulations, guidance or interpretations will be changed, or what the impact of these changes on the regulatory approvals of our product and product candidates, if any, may be. In the U.S., the EU and other potentially significant markets for our product and product candidates, government authorities and third party payors are increasingly attempting to limit or regulate the price of medical products and services, particularly for new and innovative products and therapies, which has resulted in lower average selling prices for certain products in certain markets. In the U.S., there have been several Congressional inquiries and proposed and enacted federal and state legislation designed to, among other things, bring more transparency to drug pricing, review the relationship between pricing and manufacturer patient programs, and reform government program reimbursement methodologies for drugs. For example, the Consolidated Appropriations Act of 2021 included several drug price reporting and transparency measures, such as a new requirement for certain Medicare plans to develop tools to display Medicare Part D prescription drug benefit information in real time and for group and health insurance issuers to report information on pharmacy benefit and drug costs to the Secretaries of Health and Human Services, Labor, and the Treasury. Additionally, the IRA allows Medicare to: beginning in 2026, establish a â€œmaximum fair

priceâ€ for certain pharmaceutical and biological products covered under Medicare Parts B and D; beginning in 2023, penalize drug companies that raise prices for products covered under Medicare Parts B and D faster than inflation; and beginning in 2025 impose new discount obligations on pharmaceutical and biological manufacturers for products covered under Medicare Part D. CMS continues to take steps to implement the IRA, including, most notably: on August 29, 2023, releasing the initial list of ten drugs subject to price negotiations; and on September 30, 2024, releasing a list of 54 Medicare Part B products that had an adjusted coinsurance rate based on the inflationary rebate provisions of the IRA for the time period of October 1, 2024 to December 31, 2024; and most recently, on October 2, 2024, releasing final guidance outlining the process for the second round of price negotiations for products subject to the "maximum fair price" provision. While it remains to be seen how the drug pricing provisions imposed by the IRA will affect the broader pharmaceutical industry, several pharmaceutical manufacturers and other industry stakeholders have challenged the law, including through lawsuits brought against the U.S. Department of Health and Human Services, the Secretary of the U.S. Department of Health and Human Services, CMS, and the CMS Administrator challenging the constitutionality and administrative implementation of the IRAâ€™s drug price negotiation provisions. There have also been administrative developments in the U.S. related to drug pricing. For example, on February 2, 2022, the Biden Administration signaled its continued commitment to the Cancer Moonshot initiative, which was initially launched in 2016. In its announcement, the administration noted that its new goals under the initiative include addressing inequities in order to ensure broader access to cutting-edge cancer therapeutics and investing in a robust pipeline for new treatments. In alignment with President Biden's Cancer Moonshot initiative, on June 27, 2023, the Center for Medicare Innovation at CMS announced a new model, the Enhancing Oncology Model, that is designed to make high-quality cancer care more affordable to both patients and Medicare. On October 14, 2022 President Biden issued an Executive Order on Lowering Prescription Drug Costs for Americans, which instructed the Secretary of the Department of Health and Human Services to consider whether to select for testing by the CMS Innovation Center new health care payment and delivery models that would lower drug costs and promote access to innovative drug therapies for beneficiaries enrolled in the Medicare and Medicaid programs. On February 14, 2023, the Department of Health and Human Services issued a report in response to the October 14, 2022 Executive Order, which, among other things, selects three potential drug affordability and accessibility models to be tested by the CMS Innovation Center. Specifically, the report addresses: (1) a model that would allow Part D Sponsors to establish a "high-value drug list" setting the maximum out-of-pocket costs for certain common generic drugs at \$2 per month per drug; (2) a Medicaid-focused model that would establish a partnership between CMS, manufacturers, and state Medicaid agencies that would result in multi-state outcomes-based agreements for certain cell and gene therapy drugs; and (3) a model that would adjust Medicare Part B payment amounts for Accelerated Approval Program drugs to advance the developments of novel treatments. Other recent administrative actions may affect our upcoming government pricing responsibilities stemming from our anticipated participation in government pricing programs. For example, in September 2024, CMS published a final rule that included significant revisions to certain Medicaid Drug Rebate Program provisions, including, but not limited to: (i) new definitions for key terms under the Medicaid Drug Rebate Program, such as "covered outpatient drug" and "market date"; (ii) revised processes for identifying drug misclassifications, as well as additional penalties that can be imposed against manufacturers in connection with such misclassifications; and (iii) a new 12-quarter time limit for manufacturers to initiate disputes, hearing requests, and audits for state-invoiced rebate amounts. In addition, there are pending legal and legislative developments relating to the 340B drug pricing program, including ongoing litigation challenging federal enforcement actions against manufacturers and recently introduced and enacted state legislation. In March 2024, the US Court of Appeals for the Eighth Circuit upheld the Arkansas law prohibiting drug makers for restricting 340B drug discounts for providers using contract pharmacies, and plaintiffs have filed a writ of certiorari with the Supreme Court, which is pending. It remains to be seen how these drug pricing initiatives will affect the broader pharmaceutical industry. 67 Â At the state level, legislatures have increasingly passed legislation and implemented regulations designed to control pharmaceutical and biological product pricing, including price or patient reimbursement constraints, discounts, restrictions on certain product access and marketing cost disclosure and transparency measures, and, in some cases, to encourage importation from other countries and bulk purchasing. Another emerging trend at the state level is the establishment of prescription drug affordability boards, some of which will prospectively permit certain states to establish upper payment limits for drugs that the state has determined to be "high-cost". Furthermore, the increased emphasis on managed healthcare in the U.S. and on country and regional pricing and reimbursement controls in the EU will put additional pressure on product pricing, reimbursement and usage, which may adversely affect our future product sales. These pressures can arise from practices of managed care groups, other insurers, judicial decisions and governmental laws and regulations related to Medicare, Medicaid and healthcare reform, pharmaceutical reimbursement policies and pricing in general. In addition, there is significant uncertainty regarding the reimbursement status of newly approved healthcare products. We may need to conduct expensive pharmacoeconomic studies in order to demonstrate the cost-effectiveness of our product and product candidates. If third party payors do not consider our product and product candidates to be cost-effective compared to other therapies, the payors may not cover our product and product candidates after approval as a benefit under their plans or, if they do, the level of payment may not be sufficient to allow us to sell our products on a profitable basis. Price controls may be imposed in foreign markets, which may adversely affect our future profitability. In some countries, particularly Member States of the EU and the UK, the pricing of prescription drugs is subject to governmental control. In these countries, pricing negotiations with governmental authorities can take considerable time after receipt of regulatory approval for a product. In addition, there can be considerable pressure by governments and other stakeholders on prices and reimbursement levels, including as part of cost containment measures. Political, economic and regulatory developments may further complicate pricing negotiations, and pricing negotiations may continue after reimbursement has been obtained. Reference pricing used by various EU Member States and parallel distribution, or arbitrage between low-priced and high-priced Member States, can further reduce prices. In some countries, we, or our collaborators, may be required to conduct a clinical study or other studies that compare the cost-effectiveness of our product and product candidates to other available therapies in order to obtain or maintain reimbursement or pricing approval. Publication of discounts by third party payors or authorities may lead to further pressure on the prices or reimbursement levels within the country of publication and other countries. If reimbursement of our products is unavailable or limited in scope or amount, or if pricing is set at unsatisfactory levels, our business could be adversely affected. We face substantial competition, which may result in others discovering, developing or commercializing products before or more successfully than we do. We face competition from numerous pharmaceutical and biotechnology enterprises, as well as from academic institutions, government agencies and private and public research institutions for our current product and product candidates. Our commercial opportunities will be reduced or eliminated if our competitors develop and commercialize products that are safer, more effective, have fewer side effects or are less expensive than any products that we may develop. Additionally, our commercial opportunities will be reduced or eliminated if novel upstream products or changes in treatment protocols reduce the overall incidence or prevalence of our current or future target diseases. Competition could result in reduced sales and pricing pressure on our product and product candidates, if approved by applicable regulatory authorities. In addition, significant delays in the development of our product candidates could allow our competitors to bring products to market before us and impair any ability to commercialize our product and product candidates. There are currently no FDA-approved products for the treatment of EBV+ PTLD, and there are no EC-approved products for this indication except for Ebvallo. However, we are aware some marketed products and therapies are used per global physician treatment guidelines in the US and the EU in the treatment of EBV+ PTLD by some healthcare professionals and institutions, such as rituximab and combination chemotherapy regimens. In addition, a number of companies and academic institutions are developing product candidates for EBV+ PTLD and other EBV-driven diseases, for example, Viracta Therapeutics, Inc., which is conducting a pivotal, Phase 2 clinical study for nanatinostat (formerly named tractinostat, or VRx-3996) in combination with antiviral drug valganciclovir in relapsed/refractory EBV+ lymphomas. 68 Â There are currently six autologous CAR T therapies approved in the U.S. and/or EU: Novartisâ€™ KymriahÂ® (tisagenlecleucel), Gilead/Kiteâ€™s YescartaÂ® (axicabtagene ciloleucel) and TecartusTM (brexucabtagene autoleucel) and Bristol-Myers Squibbâ€™s BreyanziÂ® (lisocabtagene maraleucel) and Abecma (idecabtagene vicleucel) with 2seventy bio, Johnson & Johnson and Legend Biotechâ€™s CarvyktiTM (ciltacabtagene autoleucel). There are many CAR-mediated cell therapies in development, and, although the majority are autologous, they also include allogeneic and off-the-shelf cell therapies. There are multiple allogeneic CAR platforms being developed with differences in approaches to minimize instances of donor cells recognizing the patientâ€™s body as foreign or rejection of the donor cells by the patientâ€™s body. These approaches include the use of gene-editing to remove or inhibit the TCR and the use of cell types without a TCR. The majority of clinical stage allogeneic CAR programs utilize alpha beta T cells as the cell type and gene editing of the T-cell receptor and HLA as the preferred technology approach, however, other strategies are also in development such as Gamma Delta T cells and NK cells. It is possible that some of these other approaches will have more favorable characteristics than the approach we utilize, which would result in them being favored by potential partners or customers over our products. Depending on the diseases (such as autoimmune diseases) that we target in the future, we may face competition from both autologous and allogeneic CAR therapies and other modalities (e.g., small molecules, antibodies, bispecifics) in the indication of interest. Many of the approved or commonly used drugs and therapies for our current or future target diseases, including EBV+ PTLD and MS, are well established and are widely accepted by physicians, patients and third party payors. Some of these drugs are branded and subject to patent protection, and other drugs and nutritional supplements are available on a generic basis. Insurers and other third party payors may encourage the use of generic products or specific branded products. We expect that our product and our product candidates, if approved, will be priced at a significant premium over competitive generic products. Absent differentiated and compelling clinical evidence, pricing premiums may impede the adoption of our products over currently approved or commonly used therapies, which may adversely impact our business. In addition, many companies are developing new therapeutics, and we cannot predict what the standard of care will become as our product candidates continue in clinical development. Many of our competitors or potential competitors have significantly greater established presence in the market, financial resources and expertise in research and development, manufacturing, preclinical testing, conducting clinical studies, obtaining regulatory approvals and marketing approved products than we do, and as a result may have a competitive advantage over us. Smaller or early-stage companies may also prove to be significant competitors, including through collaborative arrangements with large and established companies or if they are acquired by larger companies. These third parties compete with us in recruiting and retaining qualified scientific and management personnel, establishing clinical study sites and patient registration for clinical studies, establishing agreements with CROs and CMOs, as well as in acquiring technologies and technology licenses complementary to our programs or advantageous to our business. As a result of these factors, these competitors may obtain regulatory approval of their products before we are able to obtain patent protection or other intellectual property rights, which will limit our ability to develop or commercialize our product candidates. Our competitors may also develop drugs that are safer, more effective, more widely used and cheaper than ours, and may also be more successful than us in manufacturing and marketing their products. These appreciable advantages could render our product candidates obsolete or noncompetitive before we can recover development and other expenses. We are subject to certain contractual obligations under our royalty financing agreement with HealthCare Royalty Partners and may be subject to claims for damages if we fail to fulfill these obligations. In December 2022, we entered into a purchase and sale agreement (the HCRx Agreement) with HCR Molag Fund, L.P. (HCRx). Under the terms of the HCRx Agreement, we received \$31.0 million in cash in consideration for our right to receive a portion of future royalty payments and certain milestones for Ebvallo in the Initial Territory due to us from Pierre Fabre under the A&R Commercialization Agreement. The HCRx Agreement contains certain customary terms and conditions, including representations and warranties, covenants, and indemnification obligations in favor of each party. Among these terms, there are certain covenants regarding our compliance with the A&R Commercialization Agreement. In the event of actual or alleged breaches of the A&R Commercialization Agreement or the HCRx Agreement, we could be subject to claims for damages from HCRx and could be subject to costly litigation. 69 Â We expect the product candidates we develop will be regulated as biological products (biologics) and therefore they may be subject to competition sooner than anticipated. The Biologics Price Competition and Innovation Act of 2009 (BPCIA) was enacted as part

of the Affordable Care Act to establish an abbreviated pathway for the approval of biosimilar and interchangeable biological products. The regulatory pathway establishes legal authority for the FDA to review and approve biosimilar biologics, including the possible designation of a biosimilar as “interchangeable” based on its similarity to an approved biologic. Under the BPCIA, an application for a biosimilar product cannot be approved by the FDA until 12 years after the reference product was approved under a BLA. During this 12-year period of exclusivity, another company may still market a competing version of the reference product if the FDA approves a full BLA for the competing product containing the sponsor’s own preclinical data and data from adequate and well-controlled clinical trials to demonstrate the safety, purity and potency of their product. The law is complex and is still being interpreted and implemented by the FDA. As a result, its ultimate impact, implementation, and meaning are subject to uncertainty. While it is uncertain when processes intended to implement BPCIA may be fully adopted by the FDA, any of these processes could have a material adverse effect on the future commercial prospects for our biological products. We believe that our product and any of the product candidates we develop that are approved in the U.S. as a biological product under a BLA should qualify for the 12-year period of exclusivity. However, there is a risk that this exclusivity could be shortened due to Congressional action or otherwise, or that the FDA will not consider the subject product candidates to be reference products for competing products, potentially creating the opportunity for generic competition sooner than anticipated. Moreover, the extent to which a biosimilar, once approved, will be substituted for any one of the reference products in a way that is similar to traditional generic substitution for non-biological products is not yet clear, and will depend on a number of marketplace and regulatory factors that are still developing. In addition, the approval of a biologic product biosimilar to one of our products could have a material adverse impact on our business as it may be significantly less costly to bring to market and may be priced significantly lower than our products. If we are unable to enter into agreements with third parties to market and sell our product and product candidates, we may be unable to generate any revenue from the sale of our products. In order to market any products that may be approved by the FDA and comparable foreign regulatory authorities, we must enter into agreements with third parties to market and sell our product. There is no guarantee that we will be able to enter into such agreements with third parties or to do so on commercially reasonable terms or in a timely manner. Any failure or delay in entering into agreements with third parties to market and sell our products, would adversely impact the commercialization of these products. There can be no assurance that we would be able to identify a suitable third party to market and sell our product or agree upon terms with third parties that are favorable or acceptable to us, or at all. If we are unable to identify and reach agreement with a third party to market and commercialize our product, we may need to explore other strategic options, including commercializing products ourselves, and there is no guarantee we can successfully commercialize products ourselves. We may be competing with many companies that currently have extensive and well-funded sales and marketing operations. Without a sufficiently scaled, appropriately timed and trained third party to perform sales and marketing functions, we may be unable to compete successfully against these more established companies. We may encounter difficulties in managing our growth, including with respect to our employee base, and managing our operations successfully. As of September 30, 2024, we had 159 employees. We may encounter difficulties in managing the size of our operations to support our continuing development activities and the commercialization of our product and potential commercialization of our product candidates by our partners. As our development and commercialization plans and strategies continue to evolve, or as a result of any future acquisitions, we must continue to improve our managerial, operational, financial and other procedures and processes to manage the size of our operations. Our management, personnel and systems currently in place may not be adequate to support any future growth. Future growth would impose significant added responsibilities on members of management, including: managing our preclinical and clinical studies effectively; managing CMC operations and our external manufacturing partners effectively; identifying, recruiting, maintaining, motivating and integrating additional employees, including the additional personnel needed to support continued development and of our product candidates; managing our internal development efforts effectively while complying with our contractual obligations to licensors, licensees, contractors and other third parties; 70 A improving our managerial, development, operational, information technology, and finance systems; and expanding our facilities. As our operations expand, we will also need to manage additional relationships with various strategic partners, suppliers and other third parties. Our future financial performance and our ability to compete effectively will depend, in part, on our ability to manage any future growth effectively. To that end, we must be able to manage our development efforts and preclinical and clinical studies effectively and hire, train and integrate additional management, research and development, regulatory, manufacturing and administrative personnel. Our failure to accomplish any of these tasks could prevent us from successfully growing our company. Risks Related to Ownership of Our Common Stock Our stock price has been and will likely continue to be volatile and may decline regardless of our operating performance. Our stock price has fluctuated in the past and can be expected to be volatile in the future. On June 20, 2024, we effected a 1-for-25 reverse stock split of our common stock, which contributed to the fluctuation in our stock price. From January 1, 2023 through September 30, 2024, the reported sale price of our common stock has fluctuated between \$4.97 and \$141.00 per share. The stock market in general and the market for biotechnology companies in particular have experienced extreme volatility that has often been unrelated to the operating performance of particular companies. In particular, during the COVID-19 pandemic the volatility of the stock market for biopharmaceutical companies was heightened. As a result of the general volatility of the biopharmaceutical market, investors may experience losses on their investment in our common stock. The market price of our common stock may be influenced by many factors, including the following: the success of competitive products or technologies; regulatory actions with respect to our product candidates or products or our competitors’ product candidates or products; actual or anticipated changes in our growth rate relative to our competitors; announcements by us or our competitors of significant acquisitions, strategic partnerships, joint ventures, collaborations or capital commitments; announcements of the results, including safety and efficacy of our product candidates, or progress of our clinical studies; results of clinical studies, including safety and efficacy, of our product candidates or those of our competitors; regulatory or legal developments in the U.S. and other countries; developments or disputes concerning patent applications, issued patents or other proprietary rights; the recruitment or departure of key personnel; the level of expenses related to any of our product candidates or clinical development programs; the results of our efforts to in-license or acquire additional product candidates or products; actual or anticipated changes in estimates as to financial results, development timelines or recommendations by securities analysts; variations in our financial results or those of companies that are perceived to be similar to us; fluctuations in the valuation of companies perceived by investors to be comparable to us; inconsistent or unusual trading volume levels of our shares or derivatives thereof; announcement or expectation of additional financing efforts; sales of our common stock by us, our insiders or our other stockholders; changes in the structure of healthcare payment systems; market conditions in the pharmaceutical and biotechnology sectors; general economic, industry and market conditions; and the other risks described in this “Risk Factors” section. 71 A In addition, the stock markets in general, and the markets for biotechnology and pharmaceutical stocks in particular, have experienced significant volatility that has often been unrelated to the operating performance of particular companies, which has resulted in decreased stock prices for many companies. For example, negative publicity regarding drug pricing and price increases by pharmaceutical companies has negatively impacted, and may continue to negatively impact, the markets for biotechnology and pharmaceutical stocks. Likewise, as a result of significant changes in U.S. social, political, regulatory and economic conditions or in laws and policies governing foreign trade and healthcare spending and delivery, including the possible repeal and/or replacement of all or portions of the Affordable Care Act or changes in tariffs and other restrictions on free trade stemming from U.S. and foreign government policies, or for other reasons, the financial markets could experience significant volatility that could also negatively impact the markets for biotechnology and pharmaceutical stocks. These market fluctuations may adversely affect the trading price of our common stock. In the past, class action litigation has often been instituted against companies whose securities have experienced periods of volatility in market price. Any such litigation brought against us could result in substantial costs and divert management’s attention and resources, which could result in delays of our clinical studies or our partners’ commercialization efforts. Our principal stockholders own a significant percentage of our stock and will be able to exert significant control or significant influence over matters subject to stockholder approval. Our principal stockholders own a significant portion of our outstanding common stock. These stockholders may be able to determine the outcome of all matters requiring stockholder approval. For example, these stockholders may be able to control elections of directors, amendments of our organizational documents, or approval of any merger, sale of assets, or other major corporate transaction. This may prevent or discourage unsolicited acquisition proposals or offers for our common stock. The interests of our significant stockholders may not always coincide with the interests of other stockholders, and they may act in a manner that advances their best interests and not necessarily those of other stockholders, including seeking a premium value for their common stock, which might affect the market price for our common stock. Sales of a substantial number of shares of our common stock in the public market could cause our stock price to fall. Sales of a substantial number of shares of our common stock in the public market could occur at any time. These sales, or the perception in the market that the holders of a large number of shares intend to sell shares, could reduce the market price of our common stock. Moreover, certain holders of shares of our common stock will have rights, subject to certain conditions, to require us to file registration statements covering their shares or to include their shares in registration statements that we may file for ourselves or other stockholders. We have registered and intend to continue to register all shares of common stock that we may issue under our equity compensation plans. Once we register these shares, they can be freely sold in the public market upon issuance, subject to volume limitations applicable to affiliates. We have incurred and will continue to incur increased costs as a result of being a public company and our management expects to devote substantial time to public company compliance programs. As a public company, we have incurred and will continue to incur significant legal, accounting and other expenses. We are subject to the reporting requirements of the Exchange Act, which require, among other things, that we file with the SEC annual, quarterly and current reports with respect to our business and financial condition. In addition, the Sarbanes-Oxley Act, as well as rules subsequently adopted by the SEC and The Nasdaq Stock Market to implement provisions of the Sarbanes-Oxley Act, impose significant requirements on public companies, including requiring establishment and maintenance of effective disclosure and financial controls and changes in corporate governance practices. Further, pursuant to the Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010, the SEC has adopted and will adopt additional rules and regulations, such as mandatory “say on pay” voting requirements, that now apply to us. Stockholder activism, the current political environment and the potential for future regulatory reform may lead to substantial new regulations and disclosure obligations, which may lead to additional compliance costs and impact the manner in which we operate our business in ways we cannot currently anticipate. The rules and regulations applicable to public companies have substantially increased our legal and financial compliance costs and make some activities more time-consuming and costly. To the extent these requirements divert the attention of our management and personnel from other business concerns, they could have a material adverse effect on our business, financial condition and results of operations. The increased costs will decrease our net income or increase our net loss and may require us to reduce costs in other areas of our business or increase the prices of our products or services. 72 A Because we do not anticipate paying any cash dividends on our capital stock in the foreseeable future, capital appreciation, if any, will be the sole source of potential gain for our stockholders. We have never declared or paid cash dividends on our capital stock. We currently intend to retain all of our future earnings, if any, to finance the growth and development of our business. In addition, the terms of any future debt agreements may preclude us from paying dividends. As a result, capital appreciation, if any, of our common stock will be the sole source of gain for our stockholders for the foreseeable future. Future sales and issuances of our common stock or rights to purchase common stock, including pursuant to our equity incentive plans, could result in additional dilution of the percentage ownership of our stockholders and could cause our stock price to fall. We expect that significant additional capital will be needed in the future to continue our planned operations. To raise capital, we may sell substantial amounts of common stock or securities convertible into or exchangeable for common stock in one or more transactions at prices and in a manner we determine from time to time. These future issuances of common stock or common stock-related securities, together with the exercise of outstanding options or warrants, and any additional shares issued in connection with acquisitions or in-licenses, if any, may result in material dilution to our investors. Such sales may also result in material dilution to our existing stockholders,

and new investors could gain rights, preferences and privileges senior to those of holders of our common stock. To the extent equity valuations, including the trading price of our common stock, are depressed as a result of economic disruptions or other factors, the potential magnitude of this dilution will increase. Pursuant to our equity incentive plans, our compensation committee is authorized to grant equity-based incentive awards to our employees, non-employee directors and consultants. Future grants of RSUs, options and other equity awards and issuances of common stock under our equity incentive plans will result in dilution and may have an adverse effect on the market price of our common stock. Some terms of our charter documents and Delaware law may have anti-takeover effects that could discourage an acquisition of us by others, even if an acquisition would be beneficial to our stockholders and may prevent attempts by our stockholders to replace or remove our current management. Our amended and restated certificate of incorporation (Certificate of Incorporation) and amended and restated bylaws (Bylaws), as well as Delaware law, could make it more difficult for a third party to acquire us or increase the cost of acquiring us, even if doing so would benefit our stockholders, or remove our current management. These include terms that:  permit our board of directors to issue up to 20,000,000 shares of preferred stock, with any rights, preferences and privileges as they may designate;  provide that all vacancies on our board of directors, including as a result of newly created directorships, may, except as otherwise required by law, be filled by the affirmative vote of a majority of directors then in office, even if less than a quorum;  establish that our board of directors is divided into three classes, with each class serving three-year staggered terms, which makes it more difficult to replace a majority of our directors in a short period of time;  require that any action to be taken by our stockholders must be effected at a duly called annual or special meeting of stockholders and not be taken by written consent;  provide that stockholders seeking to present proposals before a meeting of stockholders or to nominate candidates for election as directors at a meeting of stockholders must provide advance notice in writing, and also specify requirements as to the form and content of a stockholders notice;  not provide for cumulative voting rights, thereby allowing the holders of a majority of the shares of common stock entitled to vote in any election of directors to elect all of the directors standing for election; and  provide that special meetings of our stockholders may be called only by our board of directors, the chairperson of our board of directors or our chief executive officer. Any of the factors listed above may frustrate or prevent any attempts by our stockholders to replace or remove our current management by making it more difficult for stockholders to replace members of our board of directors, who are responsible for appointing the members of our management. 73  In addition, because we are incorporated in Delaware, we are governed by Section 203 of the Delaware General Corporation Law, which may discourage, delay or prevent someone from acquiring us or merging with us whether or not it is desired by or beneficial to our stockholders. Under Delaware law, a corporation may not, in general, engage in a business combination with any holder of 15% or more of its capital stock unless the holder has held the stock for three years or, among other things, the board of directors has approved the transaction. Any term of our Certificate of Incorporation or Bylaws or Delaware law that has the effect of delaying or deterring a change in control could limit the opportunity for our stockholders to receive a premium for their shares of our common stock and could also affect the price that some investors are willing to pay for our common stock. Our Bylaws designate a state or federal court located within the State of Delaware as the sole and exclusive forum for substantially all disputes between us and our stockholders, which could limit our stockholders ability to obtain a favorable judicial forum for disputes with us or our current or former directors, officers, stockholders, or other employees. Our bylaws provide that, unless we consent in writing to the selection of an alternative forum, the Court of Chancery of the State of Delaware shall be the sole and exclusive forum for (i) any derivative action or proceeding brought on behalf of us under Delaware law, (ii) any action asserting a claim of breach of a fiduciary duty owed by any current or former director, officer, or other employee of the Company to us or our stockholders, (iii) any action asserting a claim against us or any of our directors, officers, or other employees arising pursuant to any provision of the DGCL or our Certificate of Incorporation or Bylaws (as either may be amended from time to time), (iv) any action asserting a claim against us governed by the internal affairs doctrine, or (v) any other action asserting an  internal corporate claim,  as defined under Section 115 of the DGCL. The foregoing provisions do not apply to any claims arising under the Securities Act and, unless we consent in writing to the selection of an alternative forum, the federal district courts of the United States will be the sole and exclusive forum for resolving any action asserting a claim arising under the Securities Act. These choice of forum provisions may limit a stockholders ability to bring a claim in a judicial forum that it finds favorable for disputes with us or any of our current or former directors, officers, or other employees, which may discourage lawsuits with respect to such claims. There is uncertainty as to whether a court would enforce such provisions, and the enforceability of similar choice of forum provisions in other companies charter documents has been challenged in legal proceedings. It is possible that a court could find these types of provisions to be inapplicable or unenforceable, and if a court were to find the choice of forum provision to be inapplicable or unenforceable in an action, we may incur additional costs associated with resolving such action in other jurisdictions, which could harm our business, results of operations, and financial condition. We qualify as a  smaller reporting company  and a  non-accelerated filer,  and any decision on our part to comply only with certain reduced reporting and disclosure requirements applicable to such companies could make our common shares less attractive to investors. As a result of our public float (the market value of our common shares held by non-affiliates) as of June 30, 2023, we qualify as a  smaller reporting company,  as defined under the Exchange Act. In addition, we are a  non-accelerated filer  as defined under the Exchange Act. For as long as we continue to be a smaller reporting company or a non-accelerated filer, we may choose to take advantage of exemptions from various reporting requirements applicable to other public companies that are not smaller reporting companies or non-accelerated filers, as applicable, including, but not limited to, an exemption from the requirement that our independent registered public accounting firm attest to the effectiveness of our internal control over financial reporting under Section 404 of the Sarbanes-Oxley Act. If we choose to rely on any of these reporting and disclosure exemptions, the information we provide stockholders will be different than the information that is available with respect to many other public companies. Moreover, if some investors find our common stock less attractive as a result of any choices to reduce future disclosure or not having an independent review and attestation of our internal control over financial reporting, there may be a less active trading market for our common stock and the market price of our common stock may be more volatile. If securities or industry analysts do not publish research or publish inaccurate or unfavorable research about our business, our stock price and trading volume could decline. The trading market for our common stock will depend in part on the research and reports that securities or industry analysts publish about us and our business. In the event securities or industry analysts who cover us downgrade our stock or publish inaccurate or unfavorable research about us or our business, our stock price would likely decline. If one or more of these analysts cease coverage of our company or fail to publish reports on us regularly, demand for our stock could decrease, which might cause our stock price and trading volume to decline. 74  General Risk Factors Our future success depends on our ability to retain our executive officers and to attract, retain and motivate qualified personnel. We are highly dependent upon our executive officers and other key employees and the loss of the services of any of our executive officers or other key employees, including scientific, technical or management personnel, could impede the achievement of our corporate objectives. In August 2022, we announced a reduction of our workforce by approximately 20% across all areas of our company, including members of management. In November 2023, we implemented a further reduction of our workforce by approximately 30%, and in January 2024, we conducted an additional reduction of our workforce by approximately 25%, including a member of management. On August 12, 2024, we announced that Pascal Touchon, our President and Chief Executive Officer, is stepping down effective September 9, 2024. Dr. Touchon is expected to remain a member of our board of directors, and Anh Co  Cokey  Nguyen, our Chief Scientific and Technical Officer, will become our President and Chief Executive Officer. Losing members of management and other key personnel subjects us to a number of risks, including the failure to coordinate responsibilities and tasks, the necessity to create new management systems and processes, the impact on corporate culture, and the retention of historical knowledge. In addition, we may not be able to effectively transition members of our management, including transitioning Dr. Nguyen into the position of President and Chief Executive Officer. Our success depends on our ability to recruit, retain, manage and motivate our employees. Although we enter into employment agreements or offer letters with our employees, these documents provide for  at-will  employment, which means that any of our employees could leave our employment at any time, with or without notice. Competition for skilled personnel in our industry and geographic regions is intense and may limit our ability to hire and retain qualified personnel on acceptable terms or at all. To induce valuable employees to remain at our company, in addition to salary and cash incentives, we have provided equity awards that vest over time. The value to employees of equity awards may be significantly affected by movements in our stock price that are beyond our control and may at any time be insufficient to counteract more lucrative offers from other companies. Our relationships with customers and third party payors will be subject to applicable anti-kickback, fraud and abuse, privacy and other laws and regulations, which could expose us to criminal sanctions, civil penalties, contractual damages, reputational harm and diminished profits and future earnings. Healthcare providers, including physicians, and third party payors will play a primary role in the recommendation and prescription of our product and any product candidates for which we obtain regulatory approval. Our current and future arrangements with third party payors and customers may expose us to broadly applicable federal and state fraud and abuse and other healthcare laws and regulations that may constrain the business or financial arrangements and relationships through which we conduct research and would market, sell and distribute our products. As a biopharmaceutical company, even though we do not and will not control referrals of healthcare services or bill directly to Medicare, Medicaid or other third party payors, federal and state healthcare laws and regulations pertaining to fraud and abuse and patients rights are and will be applicable to our business. If we obtain FDA approval of any of our product candidates and our partners begin commercializing those products in the United States, our potential exposure under such laws will increase significantly, and our costs associated with compliance with such laws are also likely to increase. These laws may impact, among other things, our current activities with principal investigators and research patients, as well as proposed and future sales, marketing and education programs, distribution agreements, discounting, commission compensation, certain patient support offerings, and other business arrangements generally. In addition, the approval and commercialization of our product and any of our product candidates outside the United States will also likely subject us to foreign equivalents of the healthcare laws mentioned here, among other foreign laws. Restrictions under applicable federal and state healthcare laws and regulations that may affect certain business arrangements and our ability to operate include, but are not limited to, the following:  the federal healthcare Anti-Kickback Statute, a criminal law that governs, for example, our marketing practices, educational programs, pricing policies, and relationships with healthcare providers or other entities, by prohibiting, among other things, persons from knowingly and willfully soliciting, offering, receiving, paying or providing remuneration, directly or indirectly, overtly or covertly, in cash or in kind, to induce or reward, or in return for, either the referral of an individual for, or the purchase, order or recommendation of, any good or service, for which payment may be made under a federal healthcare program such as Medicare and Medicaid;  the FDCA and PHSA, which prohibit the misbranding and adulteration of biological products that are regulated as drugs, and which regulate the marketing of biological products; 75   federal civil and criminal false claims laws, including the civil False Claims Act, which can be enforced through civil whistleblower or qui tam actions, and civil monetary penalty laws impose criminal and civil penalties against individuals or entities for knowingly presenting, or causing to be presented, to the federal government, including the Medicare and Medicaid programs, claims for payment or approval that are false or fraudulent or making a false statement to avoid, decrease or conceal an obligation to pay money to the federal government;  provisions enacted under the federal HIPAA impose criminal and civil liability for knowingly and willfully executing or attempting to execute, a scheme or artifice to defraud any healthcare benefit program and also impose criminal liability for, among other things, knowingly and willfully falsifying, concealing or covering up a material fact or making any materially false statements in connection with the delivery of or payment for healthcare benefits, items or services;  HIPAA, as amended by HITECH also imposes obligations, including mandatory contractual terms, with respect to safeguarding the privacy, security and transmission of individually identifiable health information held by covered entities and their business associates and their subcontractors that use, disclose or otherwise process individually identifiable health information;  the federal Physician Payments Sunshine Act, implemented as the Open Payments Program, which requires certain manufacturers of drugs, devices, biologics and medical supplies for which payment is available under Medicare, Medicaid, or the Childrens Health Insurance Program, among others to

track and report annually to CMS information related to payments and other transfers of value to U.S.-licensed physicians (defined to include doctors, dentists, optometrists, podiatrists and licensed chiropractors), physician assistants, nurse practitioners, clinical nurse specialists, anesthesiologist assistants, certified registered nurse anesthetists and certified nurse midwives and U.S. teaching hospitals, and ownership and investment interests held by U.S.-licensed physicians and their immediate family members; â€¢state and foreign laws and regulations that are analogous to, and may be broader in scope than, the federal laws and regulations described in this risk factor, such as state anti-kickback and false claims laws, may apply to sales or marketing or other arrangements and claims involving healthcare items or services reimbursed by non-governmental third party payors, including private insurers;â€¢state laws that require pharmaceutical companies to comply with the pharmaceutical industryâ€™s voluntary compliance guidelines and the relevant compliance guidance promulgated by the federal government; â€¢state laws that require drug manufacturers to report information regarding pricing and marketing information related to payments and other transfers of value to physicians and other healthcare providers as well as those that require the registration of pharmaceutical sales representatives; â€¢state laws that require the protection of the privacy and security of health information, which may differ from each other in significant ways and often are not preempted by HIPAA; andâ€¢state laws that require the reporting of certain pricing information, including information pertaining to and justifying price increases, prohibit prescription drug price gouging; or impose payment caps on certain pharmaceutical products deemed by the state to be "high cost." Efforts to ensure that our business arrangements with third parties comply with applicable healthcare laws and regulations will involve substantial costs. It is possible that governmental authorities will conclude that our business practices do not comply with current or future statutes, regulations or case law involving applicable healthcare laws and regulations. If our operations are found to be in violation of any of these laws or any other governmental regulations, we may be subject to significant civil, criminal and administrative penalties, damages, fines, imprisonment, exclusion from government-funded healthcare programs, such as Medicare and Medicaid, disgorgement, additional reporting requirements or oversight if we become subject to a corporate integrity agreement or similar agreement, and the curtailment or restructuring of our operations, reputational harm, contractual damages, and diminished profits and future earnings, any of which could adversely affect our ability to operate our business and our results of operations. If any physicians or other healthcare providers or entities with whom we expect to do business are found to not be in compliance with applicable laws, they may be subject to significant criminal, civil or administrative sanctions, including exclusions from government-funded healthcare programs. 76 Â Our employees may engage in misconduct or other improper activities, including noncompliance with regulatory standards and requirements, which could cause significant liability for us and harm our reputation. We are exposed to the risk of employee fraud or other misconduct, including intentional failures to comply with FDA regulations or similar regulations of comparable foreign regulatory authorities, provide accurate information to the FDA or comparable foreign regulatory authorities, comply with manufacturing standards we have established, comply with federal and state healthcare fraud and abuse laws and regulations and similar laws and regulations established and enforced by comparable foreign regulatory authorities, report financial information or data accurately or disclose unauthorized activities to us. Employee misconduct could also involve the improper use of information obtained in the course of clinical studies, which could result in regulatory sanctions and serious harm to our reputation. It is not always possible to identify and deter employee misconduct, and the precautions we take to detect and prevent this activity may not be effective in controlling unknown or unmanaged risks or losses or in protecting us from governmental investigations or other actions or lawsuits stemming from a failure to be in compliance with such laws or regulations. If any such actions are instituted against us, and we are not successful in defending ourselves or asserting our rights, those actions could have a significant impact on our business and results of operations, including the imposition of significant fines or other sanctions. Product liability lawsuits against us could cause us to incur substantial liabilities and to limit commercialization of any products that we may develop. We face an inherent risk of product liability exposure related to the testing of our product candidates in human clinical studies and will face an even greater risk if we commercially sell any products that we may develop. Product liability claims may be brought against us by subjects enrolled in our clinical studies, patients, healthcare providers or others using, administering or selling our products. If we cannot successfully defend ourselves against claims that our product candidates or products caused injuries, we could incur substantial liabilities. Regardless of merit or eventual outcome, liability claims may result in:â€¢decreased demand for any product candidates or products that we may develop;â€¢clinical holds or termination of clinical study sites or entire study programs;â€¢injury to our reputation and significant negative media attention;â€¢withdrawal of clinical study participants;â€¢significant costs to defend the related litigation;â€¢substantial monetary awards to study subjects or patients;â€¢loss of revenue;â€¢diversion of management and scientific resources from our business operations; andâ€¢the inability to commercialize any products that we may develop. We currently hold product liability insurance coverage at a level that we believe is customary for similarly situated companies and adequate to provide us with insurance coverage for foreseeable risks, but which may not be adequate to cover all liabilities that we may incur. We may not be able to maintain insurance coverage at a reasonable cost or in an amount adequate to satisfy any liability that may arise. As deemed necessary, we may expand our insurance coverage for products to include the sale of commercial products if we obtain regulatory approval for our product candidates in development, but we may be unable to obtain commercially reasonable product liability insurance for any products that receive regulatory approval. Large judgments have been awarded in class action lawsuits based on drugs that had unanticipated side effects. A successful product liability claim or series of claims brought against us, particularly if judgments exceed our insurance coverage, could decrease our cash and adversely affect our business. If we and our third party manufacturers fail to comply with environmental, health and safety laws and regulations, we could become subject to fines or penalties or incur costs that could have a material adverse effect on the success of our business. We and our third party manufacturers are subject to numerous environmental, health and safety laws and regulations, including those governing laboratory procedures and the handling, use, storage, treatment and disposal of hazardous materials and wastes. Our operations involve the use of hazardous and flammable materials, including chemicals and biological materials. Our operations also produce hazardous waste products. We generally contract with third parties for the disposal of these materials and wastes. We cannot eliminate the risk of contamination or injury from these materials. In the event of contamination or injury resulting from our or our third party manufacturersâ€™ use of hazardous materials, we could be held liable for any resulting damages, and any liability could exceed our resources. We also could incur significant costs associated with civil or criminal fines and penalties. 77 Â Although we maintain workersâ€™ compensation insurance to cover us for costs and expenses we may incur due to injuries to our employees resulting from the use of hazardous materials with a policy limit that we believe is customary for similarly situated companies and adequate to provide us with insurance coverage for foreseeable risks, this insurance may not provide adequate coverage against potential liabilities. We do not maintain insurance for environmental liability or toxic tort claims that may be asserted against us in connection with our storage or disposal of biological or hazardous materials. In addition, we may incur substantial costs in order to comply with current or future environmental, health and safety laws and regulations. These current or future laws and regulations may impair our research, development or production efforts. Failure to comply with these laws and regulations also may result in substantial fines, penalties or other sanctions, which could adversely affect our business, financial condition, results of operations and prospects. The actual or perceived failure by us, our customers, or vendors to comply with increasingly stringent laws, regulations and contractual obligations relating to privacy, data protection, and data security could harm our reputation, and subject us to significant fines and liability. We are or may become subject to numerous domestic and foreign laws and regulations regarding privacy, data protection, and data security, the scope of which is changing, subject to differing applications and interpretations and may be inconsistent among countries, or conflict with other rules. We are also subject to the terms of our contractual obligations to customers and third parties related to privacy, data protection, and data security. The actual or perceived failure by us, our customers, our vendors, or other relevant third parties to address or comply with these laws, regulations, and obligations could increase our compliance and operational costs, expose us to regulatory scrutiny, actions, fines and penalties, cause regulators to reject, limit or disrupt our clinical trial activities, result in reputational harm, lead to a loss of customers, reduce the use of our products, result in litigation and liability, and could otherwise cause a material adverse effect on our business, financial condition, and results of operations. For example, the EU General Data Protection Regulation (EU) 2016/679 (EU GDPR) imposes strict requirements on in-scope organizations regarding the processing of personal information (i.e., data which identifies an individual or from which an individual is identifiable) of individuals (or data subjects). The EU GDPR governs the collection, use, disclosure, transfer and other processing of personal information and has direct effect in all EU Member States and extraterritorial effect where organizations outside of the European Economic Area (EEA) process personal information of individuals in the EEA in relation to the offering of goods or services to those individuals or the monitoring of their behavior. The UK has implemented the EU GDPR into its national law by virtue of section 3 of the European Union (Withdrawal) Act as the UK GDPR (together, the UK GDPR and the EU GDPR, the GDPR). Under the UK GDPR, companies established in the UK and companies not established in the UK but who process personal information of individuals in the UK in relation to the offering of goods or services to those individuals, or to the monitoring of their behavior will be subject to the UK GDPR. As such, the GDPR applies to us to the extent we are established in an EU Member State or the UK, we are processing personal information in the context of an establishment in an EU Member State or the UK or we are processing personal information in relation to the offering of goods or services to individuals in the EEA or the UK or monitoring their behavior. The GDPR imposes onerous and comprehensive privacy, data protection, and data security obligations onto controllers, including, as applicable: (i) contractual privacy, data protection, and data security commitments, including the requirement to implement appropriate technical and organizational measures to safeguard personal information processed; (ii) establishing means for individuals to exercise their data protection rights (e.g., the right to erasure of personal information); (iii) limitations on retention and the amount of personal information processed; (iv) additional requirements pertaining to sensitive information (such as health data); (v) data breach notification requirements to: (x) supervisory authorities without undue delay (and no later than 72 hours where feasible) after becoming aware of the breach, unless the breach is unlikely to result in a risk to the data subjectsâ€™ rights and freedoms; and/or (y) concerned individuals where the breach is likely to result in a high risk to their rights and freedoms; (vi) requirements to process personal information lawfully including specific requirements for obtaining valid consent from data subjects where consent is the lawful basis for processing; (vii) obligations to consider data protection as any new products or services are developed and designed; and (viii) accountability and transparency requirements, which require controllers to demonstrate and record compliance with the GDPR and to provide more detailed information to data subjects (such as clinical trial subjects and investigators) regarding processing. The GDPR also provides that EU Member States and the UK (as applicable) may introduce further laws and regulations limiting the processing of genetic, biometric, or health data, which could limit our ability to collect, use and share personal information subject to the GDPR, cause our compliance costs to increase, require us to change our practices, adversely impact our business, and harm our financial condition. 78 Â In addition, the EU GDPR also prohibits the transfer of personal information from the EEA to countries that the European Commission does not recognize as having an â€œadequateâ€ level of data protection unless the parties to the transfer have implemented specific safeguards to protect the transferred personal information. Data protection laws in the UK (as discussed below) and Switzerland impose similar restrictions. One of the primary safeguards allowing U.S. companies to import personal information from the EU and Switzerland had historically been certification to the EU-U.S. Privacy Shield framework, which is administered by the U.S. Department of Commerce, and Swiss-U.S. Privacy Shield framework respectively. However, the EU-U.S. Privacy Shield framework was invalidated as a mechanism to legitimize international transfers in July 2020 in the â€œSchrems IIâ€ decision handed down by the Court of Justice of the EU and imposed further restrictions on the use of standard contractual clauses (SCCs). The Schrems II decision also led to a requirement for companies to carry out a transfer impact assessment (TIA) which, among other things, assess laws governing access to personal information in the recipient country and considers whether supplementary measures that provide privacy protections additional to those under the EU SCCs will need to be implemented to ensure an â€œessentially equivalentâ€ level of data protection to that afforded in the EU. Similarly, the Swiss-U.S. Privacy Shield framework was declared as inadequate by the Swiss Federal Data Protection and Information Commissioner in light of the Schrems II decision. On October 7, 2022, the U.S. President introduced an Executive Order to facilitate a new Trans-Atlantic Data Privacy Framework (DPF), and on July 10, 2023, the EC adopted

its Final Implementing Decision granting the U.S. adequacy (Adequacy Decision) for EU-U.S. transfers of personal information for companies that self-certify to the DPF. Entities relying on EU SCCs for transfer to the U.S. are also able to rely on the analysis in the Adequacy Decision as support for their TIA regarding the equivalence of U.S. national security safeguards and redress. However, any transfers by us or our vendors of personal information subject to the EU GDPR may not comply with European data protection law, may increase our exposure to the EU GDPR's heightened sanctions for violations of its cross-border data transfer restrictions, and may reduce demand from companies subject to European data protection laws. Complying with the GDPR involves rigorous and time-intensive processes that may cause us to incur certain operational costs and/or require us to change our business practices. There may also be a risk that the measures will not be implemented correctly or that individuals within the business will not be fully compliant with the required procedures. If there are breaches of these measures, we could face significant administrative and monetary sanctions as well as reputational damage which may have a material adverse effect on our operations, financial condition and prospects. Assisting our customers, partners, and vendors in complying with the GDPR, or complying with the GDPR ourselves, may cause us to incur substantial operational costs or require us to change our business practices. There may also be a risk that the measures will not be implemented correctly or that individuals within the business will not be fully compliant with the required procedures. There is a risk that we could be impacted by a cybersecurity incident that results in loss or unauthorized disclosure of personal information, potentially resulting in us facing harms similar to those described above. Companies that must comply with the GDPR face increased compliance obligations and risk, including more robust regulatory enforcement of data protection requirements, potential significant fines for non-compliance of up to the greater of a, ~20 million (under the EU GDPR) or £17.5 million (under the UK GDPR) or 4% of consolidated annual global turnover and restrictions or prohibitions on data processing. The GDPR identifies a list of points to consider when determining the level of fines to impose (including the nature, gravity and duration of the infringement). The GDPR also confers a private right of action on data subjects and consumer associations to lodge complaints with supervisory authorities, seek judicial remedies and obtain compensation for damages resulting from violations of the GDPR. The UK GDPR also imposes similar restrictions on transfers of personal information from the UK to jurisdictions that the UK Government does not consider "adequate", including the U.S. It should also be noted that the UK Government has published its own form of EU SCCs known as the UK International Data Transfer Agreement together with an International Data Transfer Addendum to the new EU SCCs. The UK Information Commissioner's Office (ICO) has also published its version of the TIA and guidance on international transfers, although entities may choose to adopt either the EU or UK style TIA. Further, on September 21, 2023, the UK Secretary of State of Science, Innovation and Technology established a UK-U.S. data bridge (i.e., a UK equivalent of the Adequacy Decision) and adopted UK regulations to implement the UK-U.S. data bridge (UK Adequacy Regulations). Personal information may now be transferred from the UK under the UK-U.S. data bridge through the UK extension to the DPF to organizations self-certified under the UK extension to DPF. Cybersecurity requirements are laid down in various laws in the EU and the UK, the key ones being: (i) the GDPR (as discussed above), which requires controllers and processors to implement appropriate technical and organizational measures to safeguard personal data to a level of security appropriate to the data protection risk; (ii) the UK Network and Information Systems Regulation 2018 (NIS Regulations), and (iii) EU Network and Information Systems Security 2 Directive (NIS2). Under the NIS2, stringent cybersecurity and incident reporting requirements are imposed on "essential" and "important" entities, including, for example, entities carrying out research and development activities of medicinal. NIS2 states that any maximum fine which national implementing law provides for should at least be set at a, ~10 million or 2% of total worldwide turnover, whichever is higher, where essential entities are concerned. Other sanctions may include (i) a temporary suspension to provide services in the EU (by suspending relevant authorizations/certifications); (ii) an order to make public certain elements of the infringement and/or inform customers; and (iii) injunctions to immediately cease infringing conduct. Importantly, NIS2 also provides that senior members of staff can be held personally liable, and face administrative fines or be temporarily suspended from exercising managerial functions at the legal representative or chief executive officer level. Other countries outside of Europe and the UK continue to enact or are considering enacting similar cross-border data transfer restrictions and laws requiring local data residency, which could increase the cost and complexity of delivering our services and operating our business. For example, Brazil recently enacted the General Data Protection Law (Lei Geral de Proteção de Dados Pessoais or LGPD) (Law No. 13,709/2018), which broadly regulates the processing of personal information and imposes compliance obligations and penalties comparable to those of the EU GDPR and the UK GDPR. Regulation of privacy, data protection and data security has also become more stringent in the United States. HIPAA imposes requirements to protect the privacy and security of protected health information (PHI) and to provide notification in the event of a breach of PHI. Violations of HIPAA are punishable by civil money penalties and, in some cases, criminal penalties and imprisonment. HHS's Office for Civil Rights (OCR), which is responsible for enforcing HIPAA, also may enter into resolution agreements requiring the payment of a civil money penalty and/or the establishment of a corrective action plan to address violations of HIPAA. Pursuant to HIPAA, HHS has adopted privacy regulations, known as the privacy rule, to govern the use and disclosure of PHI (the Privacy Rule). HHS has also adopted data security regulations that require Covered Entities and Business Associates to implement administrative, physical and technical safeguards to protect the integrity, confidentiality and availability of PHI that is electronically created, received, maintained or transmitted (such as between us and our affiliated practices). Numerous state laws are also designed to address privacy and information security issues, including but not limited to state medical privacy laws, state laws protecting personal information, state data breach notification laws, state genetic privacy laws, human subjects research laws and federal and state consumer protection laws. For example, the California Consumer Privacy Act (CCPA), which took effect on January 1, 2020, give California residents expanded rights to access and delete their personal information, opt out of certain personal information sharing, and receive detailed information about how their personal information is used. The CCPA provides for civil penalties for violations, as well as a private right of action for data breaches that is expected to increase data breach litigation. The CCPA may increase our compliance costs and potential liability. The CCPA was substantially expanded on January 1, 2023, when the California Privacy Rights Act (CPRA) amendments to the CCPA became fully operative. The CPRA amendments, among other things, give California residents the ability to limit use of certain sensitive personal information, further restrict the use of cross-contextual advertising, establish restrictions on the retention of personal information, expand the types of data breaches subject to the CCPA's private right of action, provide for increased penalties for CCPA violations concerning California residents under the age of 16, and establish a new California Privacy Protection Agency to implement and enforce the new law. Regulation of privacy, data protection and data security has also become more stringent in the United States, with several new laws following the CCPA and being enacted at the state level, including several comprehensive privacy laws. While these new laws and proposals generally include exemptions for HIPAA-covered data and clinical trial data, they add layers of complexity to compliance in the U.S. market, and could increase our compliance costs and adversely affect our business. While these laws generally include exemptions for HIPAA-covered and clinical trial data, they impact the overall privacy landscape. Multiple other states and the federal government are considering enacting similar legislation, demonstrating a strong trend towards more stringent state privacy, data protection and data security legislation in the U.S., which could increase our potential liability and adversely affect our business. Other states have passed or amended existing state privacy laws to impose enhanced privacy and cybersecurity obligations for consumer health data, such as, the Washington My Health My Data Act and Nevada's Consumer Health Data Privacy Law. For instance, Washington State passed the My Health My Data Act with respect to "consumer health data" which is defined as "personal information that is linked or reasonably linkable to a consumer and that identifies a consumer's past, present, or future physical or mental health and which will go into effect in 2024 with additional privacy rights and compliance obligations. The Federal Trade Commission (FTC) has authority under Section 5 of the FTC Act to regulate unfair or deceptive practices, and has used this authority to initiate enforcement actions against companies that implement inadequate controls around privacy and information security in violation of their externally facing policies. The FTC has recently brought several cases alleging violations of Section 5 of the FTC Act with respect to health information, and has proposed rulemaking on privacy and data security. Lawmakers and regulatory bodies at the federal level have been considering more detailed regulation regarding these subjects and the privacy and security of personal information. For example, the FTC published an advance notice of proposed rulemaking on "commercial surveillance" and data security, and is seeking comment on whether it should implement new trade or regulation rules or other regulatory alternatives concerning the ways in which companies (1) collect, aggregate, protect, use, analyze, and retain consumer data, as well as (2) transfer, share, sell, or otherwise monetize that data in ways that are unfair or deceptive. The FTC's rulemaking may create change throughout the economy and broader data ecosystem. The FTC has also been active with respect to enforcement of its Health Breach Notification Rule and in scrutinizing the use and disclosure of sensitive personal information. Additionally, in 2021, the OCR has issued a Notice of Proposed Rulemaking, which propose a number of changes to the HIPAA Privacy Rule, with updates to the HIPAA Privacy Rule expected in the near future. The FTC also finalized changes to the Health Breach Notification Rule in April 2024. Compliance with applicable U.S. and foreign privacy, data protection, and data security laws and regulations may result in government investigations or cause us to incur substantial costs or require us to change our business practices and compliance procedures in a manner adverse to our business. Moreover, complying with these various laws could require us to take on more onerous obligations in our contracts, restrict our ability to collect, use and disclose data, or in some cases, impact our ability to operate in certain jurisdictions. Failure to comply with U.S. and foreign privacy, data protection, and data security laws and regulations could result in government investigations or enforcement actions (which could include civil or criminal penalties), private litigation, claims, or public statements against us and/or adverse publicity and could negatively affect our operating results and business. Claims that we have violated individuals' privacy rights, failed to comply with privacy, data protection, and data security laws, or breached our contractual obligations, even if we are not found liable, could be expensive and time consuming to defend, could result in adverse publicity and could have a material adverse effect on our business, reputation, financial performance and business, and operations. Furthermore, the costs of compliance with, and other burdens imposed by, the laws, regulations and policies that are applicable to the business of our customers may limit the adoption and use of, and reduce the overall demand for, our products and services. If our security measures are compromised, or our information technology systems or those of our vendors, and other relevant third parties fail or suffer security breaches, loss or leakage of data, and other disruptions, this could result in a material disruption of our services, compromise sensitive information related to our business, harm our reputation, trigger our breach notification obligations, prevent us from accessing critical information, and expose us to liability or other adverse effects to our business. In the ordinary course of our business, we may collect, process, and store proprietary, confidential, and sensitive information, including personal information (including health information), intellectual property, trade secrets, and proprietary business information owned or controlled by ourselves or other parties. It is critical that we do so in a secure manner to maintain the confidentiality, integrity, and availability of such information. We face several risks relative to protecting this critical information, including loss of access risk, inappropriate use or disclosure, inappropriate modification, and the risk of our being unable to adequately monitor, audit and modify our controls over our critical information. This risk extends to the third party service providers who handle elements of our operations. We, our partners, our CROs, our CMOs, and other business vendors on which we rely depend on information technology and telecommunication systems for significant elements of our operations, including, for example, systems handling human resources, financial reporting and controls, regulatory compliance and other infrastructure operations. Notwithstanding the implementation of security measures, given the size and complexity of our information technology systems and those of our third party vendors and other contractors and consultants, and the increasing amounts of proprietary, confidential and sensitive information that they maintain, such information technology systems have been subject to and remain vulnerable to breakdown, service interruptions, system malfunction, natural disasters, terrorism, war and telecommunication and electrical failures, as well as security breaches from inadvertent or intentional actions by our personnel, third party vendors, contractors, consultants, business partners, and/or other third parties, or from cyber-attacks by malicious third parties (including the deployment of harmful malware, ransomware, denial-of-service attacks, social engineering, and other means to affect service reliability and threaten the confidentiality, integrity, and availability of information), which may compromise our system infrastructure, or that of our third party vendors and

other contractors and consultants, or lead to data leakage. The risk of a security breach or disruption, particularly through accidental actions or omissions by trusted insiders, cyber-attacks or cyber intrusions, including by computer hackers, viruses, foreign governments, and cyber terrorists, has generally increased as the number, intensity, and sophistication of attempted attacks and intrusions from around the world have increased. Additionally, the increased usage of computers operated on home networks due to the shelter-in-place or similar restrictions related to the COVID-19 pandemic may make our systems more susceptible to security breaches. For example, in March 2021, MSK provided notice that MSK was one of many customers impacted by a data breach at Accellion, Inc., which provides a document-sharing system. MSK subsequently notified us that certain documents related to one of our discontinued programs were subject to the breach, which compromise we deemed immaterial. Although we take measures to protect sensitive data from unauthorized access, use or disclosure, we and our third party service providers frequently defend against and respond to cyber-attacks, and our information technology and infrastructure may be vulnerable to attacks by hackers or viruses or breached due to personnel error, malfeasance, or other malicious or inadvertent disruptions. Any such breach or interruption could compromise our networks and the information stored there could be accessed by unauthorized parties, manipulated, publicly disclosed, lost, or stolen. 81

À Failures or significant downtime of our information technology or telecommunication systems or those used by our third party service providers could cause significant interruptions to our operations, including preventing us from conducting tests or research and development activities and preventing us from managing the administrative aspects of our business. For example, the loss of clinical study data from completed, ongoing or planned clinical studies could result in delays in our regulatory approval efforts and significantly increase our costs to recover or reproduce the data. In addition, sophisticated operating system software and applications that we procure from third parties may contain defects in design or manufacture, including vulnerabilities, “bugs” and other problems that could unexpectedly interfere with the operation of our networks, system, or our processing of personal information or other data. To the extent that any disruption or security breach results in a loss of or damage to our data or applications, or inappropriate disclosure of confidential or proprietary information, we could incur liability, the further development of our product candidates could be delayed, and our business could be otherwise adversely affected. We may not be able to anticipate all types of security threats, and we may not be able to implement preventative measures effective against all such security threats. We also may not be effective in responding to, containing or mitigating the risks of an attack. The techniques used by cyber criminals change frequently, may not be recognized until launched, and can originate from a wide variety of sources, including outside groups such as external service providers, organized crime affiliates, terrorist organizations, hostile foreign governments or agencies, or cybersecurity researchers. To the extent that any disruption or security breach were to result in a loss of, or damage to, our data or applications, or those of our third party vendors and other contractors and consultants, or inappropriate disclosure of confidential or proprietary information, we could incur liability and reputational damage and the further development and commercialization of our products and services could be delayed. The costs related to significant security breaches or disruptions could be material and could exceed the limits of the cybersecurity insurance we maintain, if any, against such risks. If the information technology systems of our third party vendors and other contractors and consultants become subject to disruptions or security breaches, we may have insufficient recourse against such third parties and may have to expend significant resources to mitigate the impact of such an event, and to develop and implement protections to prevent future events of this nature from occurring. We cannot assure you that our data protection efforts and our investment in information technology will prevent significant breakdowns, data leakages, breaches in our systems, or those of our third party vendors and other contractors and consultants, or other cyber incidents that could have a material adverse effect upon our reputation, business, operations, or financial condition. For example, if such an event were to occur and cause interruptions in our operations, or those of our third party vendors and other contractors and consultants, it could result in a material disruption of our programs and the development of our services and technologies could be delayed. Furthermore, significant disruptions of our internal information technology systems or those of our third party vendors and other contractors and consultants, or security breaches could result in the loss, misappropriation, and/or unauthorized access, use, or disclosure of, or the prevention of access to, confidential information (including trade secrets or other intellectual property, proprietary business information, and personal information), which could result in financial, legal, business, and reputational harm to us. Any such event that leads to unauthorized access, use, or disclosure of personal information, including personal information regarding our customers or employees, could harm our reputation directly, compel us to comply with federal and/or state breach notification laws and foreign law equivalents, subject us to mandatory corrective action, and otherwise subject us to liability under laws and regulations that protect the privacy and security of personal information, which could result in significant legal and financial exposure and reputational damages that could potentially have an adverse effect on our business. For example, in November 2023, we experienced a cybersecurity incident which resulted in unauthorized access of certain systems within our IT environment and a third party obtaining certain of our documents. Such unauthorized access was detected and contained within several hours and it was determined the third party did not access any of our material confidential information. Following such incident, we’ve taken additional measures to strengthen our IT environment. Although we take measures to protect sensitive data from unauthorized access, use or disclosure, our information technology and infrastructure may be vulnerable to attacks by hackers or viruses or breached due to personnel error, malfeasance, or other malicious or inadvertent disruptions. Any such breach or interruption could compromise our networks and the information stored there could be accessed by unauthorized parties, manipulated, publicly disclosed, lost, or stolen. Any such access, breach, or other loss of information could result in legal claims or proceedings, liability under domestic or foreign privacy, data protection and data security laws such as HIPAA and HITECH, and penalties. Notice of certain security breaches must be made to affected individuals, the Secretary of HHS, and for extensive breaches, notice may need to be made to the media or state attorneys general. Such notice could harm our reputation and our ability to compete. Although we have implemented security measures, such data is currently accessible through multiple channels, and there is no guarantee we can protect our data from breach. Unauthorized access, loss or dissemination could also damage our reputation or disrupt our operations, including our ability to conduct our analyses, conduct research and development activities, collect, process and prepare company financial information, and manage the administrative aspects of our business. 82

À Penalties for violations of these laws vary. For instance, penalties for failure to comply with a requirement of HIPAA and HITECH vary significantly, and include significant civil monetary penalties and, in certain circumstances, criminal penalties with fines up to \$250,000 per violation and/or imprisonment. A person who knowingly obtains or discloses individually identifiable health information in violation of HIPAA may face a criminal penalty of up to \$50,000 and up to one-year imprisonment. The criminal penalties increase if the wrongful conduct involves false pretenses or the intent to sell, transfer or use identifiable health information for commercial advantage, personal gain or malicious harm. Further, various states, such as California and Massachusetts, have implemented similar privacy laws and regulations, such as the California Confidentiality of Medical Information Act, that impose restrictive requirements regulating the use and disclosure of health information and other personally identifiable information. These laws and regulations are not necessarily preempted by HIPAA, particularly if such a state law affords greater protection to individuals than HIPAA. Where state laws are more protective, we have to comply with the stricter provisions. In addition to fines and penalties imposed upon violators, some of these state laws also afford private rights of action to individuals who believe their personal information has been misused. California’s patient privacy laws, for example, provide for penalties of up to \$250,000 and permit injured parties to sue for damages. Similarly, the CCPA allows consumers a private right of action when certain personal information is subject to unauthorized access and exfiltration, theft or disclosure due to a business’s failure to implement and maintain reasonable security procedures. The interplay of federal and state laws may be subject to varying interpretations by courts and government agencies, creating complex compliance issues for us and data we receive, use and share, potentially exposing us to additional expense, adverse publicity and liability. Further, as regulatory focus on privacy issues continues to increase and laws and regulations concerning the protection of personal information expand and become more complex, these potential risks to our business could intensify. Changes in laws or regulations associated with the enhanced protection of certain types of sensitive data, for the treatment of genetic data, along with increased customer demands for enhanced data security infrastructure, could greatly increase our cost of providing our products, decrease demand for our products, reduce our revenues and/or subject us to additional liabilities. Changes in tax laws or regulations that are applied adversely to us or our customers may have an adverse effect on our business, cash flows, financial condition or results of operations. We are subject to income and non-income based taxes in the U.S. and various jurisdictions outside the U.S. Our business and financial condition could be adversely affected by changes in federal, state, local or international tax laws, changes in taxing jurisdictions’ administrative interpretations, decisions, policies and positions, changes in accounting principles, applicability of withholding taxes, and changes to our business operations. For example, U.S. legislation such as the Tax Act, the Coronavirus Aid, Relief, and Economic Security Act (CARES Act), and the American Rescue Act, made significant changes to the corporate tax rate, the potential realization of net deferred tax assets relating to our operations, taxation of foreign earnings, and deductibility of expenses, and could have a material impact on our financial position or results of operations. Our ability to use net operating loss carryforwards and certain tax assets to offset future taxable income or taxes may be subject to certain limitations. Our ability to use our federal and state net operating losses (NOLs) and certain other tax attributes to offset potential future taxable income and related income taxes that would otherwise be due is dependent upon our generation of future taxable income, and we cannot predict with certainty when, or whether, we will generate sufficient taxable income to use all of our NOLs or other tax attributes. As of December 31, 2023, we had significant U.S. federal and state NOLs due to prior period losses. Under the Tax Cuts and Jobs Act (the Tax Act), federal NOLs generated in tax years beginning on or after January 1, 2018 may be carried forward indefinitely, but the utilization of such federal NOLs is limited to 80% of current year taxable income. States vary in conformity to all or portions of the Tax Act. The Tax Act did not have a material impact to our financial statements. 83

À In addition, under Section 382 of the Internal Revenue Code of 1986, as amended (the Code), our ability to utilize these NOLs and other tax attributes, such as federal tax credits, in any taxable year may be limited if we have experienced an “ownership change”. Generally, a Section 382 ownership change occurs if one or more stockholders or groups of stockholders who owns at least 5% of a corporation’s stock increases its ownership by more than 50 percentage points over its lowest ownership percentage within a three-year testing period. Similar rules may apply under state tax laws. We performed a Section 382 analysis of transactions in our stock through December 31, 2023 and concluded that we have experienced ownership changes since inception that we believe under Section 382 of the Code will result in limitations on our ability to use certain pre-change NOLs and credits. In addition, we may experience subsequent ownership changes as a result of future equity offerings or other changes in the ownership of our stock, some of which are beyond our control. As a result, the amount of the NOLs and tax credit carryforwards presented in our financial statements could be limited and, in the case of NOLs generated before January 1, 2018 may expire unused. Any such material limitation or expiration of our NOLs may harm our future operating results by effectively increasing our future tax obligations. Similar provisions of state tax law may also apply to limit the use of accumulated state tax attributes. Regulatory changes, such as suspensions on the use of NOLs, or other unforeseen reasons, may cause our existing tax attributes to expire, decrease in value or otherwise be unavailable to offset future income tax liabilities. Business disruptions could seriously harm our future revenues and financial condition and increase our costs and expenses. Our operations could be subject to earthquakes, power shortages, telecommunications failures, water shortages, floods, hurricanes, typhoons, fires, extreme weather conditions, medical epidemics and other natural or man-made disasters or business interruptions, for which we are predominantly self-insured. Two of our corporate locations are located in California, an area prone to earthquakes and fires. The occurrence of any of these business disruptions could seriously harm our operations and financial condition and increase our costs and expenses. We rely on third-party manufacturers to produce our product candidates. Our ability to obtain clinical supplies of product candidates could be disrupted, if the operations of these suppliers are affected by a man-made or natural disaster or other business interruption, including, for example, the COVID-19 pandemic. The biopharmaceutical industry is subject to extensive regulatory obligations and policies that are subject to change, including due to judicial challenges. On June 28, 2024, the U.S. Supreme Court issued an opinion holding that courts reviewing agency action pursuant to the Administrative Procedure Act (APA) “must exercise their independent judgment” and “may not defer to an agency interpretation of the law simply because a statute is ambiguous.” The

decision will have a significant impact on how lower courts evaluate challenges to agency interpretations of law, including those by the FDA and other agencies with significant oversight of the biopharmaceutical industry. The new framework is likely to increase both the frequency of such challenges and their odds of success by eliminating one way in which the government previously prevailed in such cases. As a result, significant regulatory policies will be subject to increased litigation judicial scrutiny. Any resulting changes in regulation may result in unexpected delays, increased costs, or other negative impacts on our business that are difficult to predict. Item 5. Other InformationDuring the three months ended September 30, 2024, none of the Company's directors or executive officers adopted or terminated any contract, instruction or written plan for the purchase or sale of Company securities that was intended to satisfy the affirmative defense conditions of Rule 10b5-1(c) or any æœnon-Rule 10b5-1 trading arrangementæ as defined in Item 408 of Regulation S-K under the Securities Exchange Act of 1934, as amended. 84 Å Item 6. ExhibitsÅ Exhibit Incorporated by Reference Filed No. Description of Exhibit Form File No. Exhibit Filing Date Herewith Å 3.1 Amended and Restated Certificate of Incorporation of Atara Biotherapeutics, Inc. S-1 333-196936 3.2 6/20/2014 Å Å Å Å Å 3.2 Second Amended and Restated Bylaws of Atara Biotherapeutics, Inc. 8-K 001-36548 3.1 9/27/2022 Å Å Å Å Å Å Å Å Å Å Å 3.3 Å Certificate of Amendment of Amended and Restated Certificate of Incorporation of Atara Biotherapeutics, Inc. Å 8-K Å 001-36548 Å 3.1 Å 6/20/2024 Å Å Å Å Å Å Å Å Å Å Å 4.1 Å Form of Pre-Funded Warrant Å 8-K Å 001-36548 Å 4.1 Å 9/3/2024 Å Å Å Å Å Å Å Å Å Å Å Å Å 31.1 Certification by Chief Executive Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 X Å Å 31.2 Certification by Principal Financial and Accounting Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 X Å 32.1(1) Certifications of Chief Executive Officer and Principal Financial and Accounting Officer pursuant to 18 U.S.C Section 1350 as adopted pursuant to Section 906 of The Sarbanes-Oxley Act of 2002 X Å Å Å Å Å Å Å Å Å Å Å Å Å 101.INS Inline XBRL Instance Document æ“ the instance document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document X Å 101.SCH Inline XBRL Taxonomy Extension Schema Document X Å 104 The cover page from the Companyæ™s Quarterly Report on Form 10-Q for the quarter ended September 30, 2024, formatted in Inline XBRL. X (1)The certifications attached as Exhibit 32.1 accompany this Quarterly Report on Form 10-Q pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, and shall not be deemed æœffedæ by the Registrant for purposes of Section 18 of the Securities Exchange Act of 1934, as amended. 85 Å SIGNATURES Pursuant to the requirements of the Securities Exchange Act of 1934, Atara Biotherapeutics, Inc. has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized. Å Å ATARA BIODTHERAPEUTICS, INC. Date: November 12, 2024 Å Å Å Å Å Å Å By: /s/ AnhCo Thieu Nguyen Å Å AnhCo Thieu Nguyen Å Å President and Chief Executive Officer Å Å (Duly Authorized Officer and Principal Å Å Executive Officer) Å Å Å Å Å By: /s/ Eric Hyllengren Å Å Eric Hyllengren Å Å Chief Financial Officer and Chief Operating Officer Å Å (Duly Authorized Officer and Principal Å Å Financial and Accounting Officer) Å 86 EX-31.1 2 atra-ex31\_1.htm EX-31.1 EX-31.1 Exhibit 31.1 CERTIFICATION OF THE CHIEF EXECUTIVE OFFICERPURSUANT TOSECURITIES EXCHANGE ACT RULES 13A-14(A) AND 15D-14(A)I, AnhCo Thieu Nguyen, certify that: 1.I have reviewed this Quarterly Report on Form 10-Q of Atara Biotherapeutics, Inc.;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 registrantæ™s other certifying officer 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 registrantæ™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 registrantæ™s internal control over financial reporting that occurred during the registrantæ™s most recent fiscal quarter (the registrantæ™s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrantæ™s internal control over financial reporting; and 5.The registrantæ™s other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrantæ™s auditors and the audit committee of the registrantæ™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 registrantæ™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 registrantæ™s internal control over financial reporting. Å Date: November 12, 2024Å /s/ AnhCo Thieu Nguyen AnhCo Thieu NguyenChief Executive Officer(Principal Executive Officer) Å EX-31.2 3 atra-ex31\_2.htm EX-31.2 EX-31.2 Exhibit 31.2 CERTIFICATION OF THE PRINCIPAL FINANCIAL AND ACCOUNTING OFFICERPURSUANT TOSECURITIES EXCHANGE ACT RULES 13A-14(A) AND 15D-14(A)I, Eric Hyllengren, certify that: 1.I have reviewed this Quarterly Report on Form 10-Q of Atara Biotherapeutics, Inc.;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 registrantæ™s other certifying officer 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 registrantæ™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 registrantæ™s internal control over financial reporting that occurred during the registrantæ™s most recent fiscal quarter (the registrantæ™s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrantæ™s internal control over financial reporting; and 5.The registrantæ™s other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrantæ™s auditors and the audit committee of the registrantæ™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 registrantæ™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 registrantæ™s internal control over financial reporting. Å Date: November 12, 2024Å /s/ Eric Hyllengren Eric HyllengrenChief Financial Officer and Chief Operating Officer(Principal Financial and Accounting Officer) Å EX-32.1 4 atra-ex32\_1.htm EX-32.1 EX-32.1 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 Pursuant to the requirement set forth in Rule 13a-14(b) of the Securities Exchange Act of 1934, as amended (the æœExchange Actæ), and in connection with the Quarterly Report of Atara Biotherapeutics, Inc. (the æœCompanyæ) on Form 10-Q for the quarter ended September 30, 2024, as filed with the Securities and Exchange Commission (the æœReportæ), Pascal Touchon, Chief Executive Officer of the Company, and Eric Hyllengren, Chief Financial Officer of the Company, respectively, do each hereby certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that: (1)The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and (2)The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company. Date: November 12, 2024Å /s/ AnhCo Thieu Nguyen AnhCo Thieu Nguyen Chief Executive Officer(Principal Executive Officer) Å /s/ Eric Hyllengren Eric Hyllengren Chief Financial Officer and Chief Operating Officer (Principal Financial and Accounting Officer) Å A signed original of this written statement required by Section 906, or other document authenticating, acknowledging, or otherwise adopting the signature that appears in typed form within the electronic version of this written statement required by Section 906, has been provided to the Company and will be retained by the Company and furnished to the Securities and Exchange Commission or its staff upon request. EX-101.SCH 5 atra-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 (Unaudited) link:presentationLink link:calculationLink link:definitionLink 100020 - Disclosure - Leases - Components of Lease Cost (Details) 2 link:presentationLink link:calculationLink link:definitionLink 100030 - Disclosure - Leases - Schedule of Maturities of Lease Liabilities Under Operating and Finance Leases (Details) 2 link:presentationLink link:calculationLink link:definitionLink 100040 - Statement - Condensed Consolidated Balance Sheets (Parenthetical) (Unaudited) link:presentationLink link:calculationLink link:definitionLink 100050 - Disclosure - Leases - Schedule of Maturities of Lease Liabilities Under Operating and Finance Leases (Details) 3 link:presentationLink link:calculationLink link:definitionLink 100060 - Statement - Condensed Consolidated Statements of Operations and Comprehensive Income (Loss) (Unaudited) link:presentationLink link:calculationLink link:definitionLink 100070 - Disclosure - Leases - Schedule of Maturities of Lease Liabilities Under Operating and Finance Leases (Details) 4 link:presentationLink link:calculationLink link:definitionLink 100080 - Statement - Condensed Consolidated Statements of Changes in Stockholders' Equity (Unaudited) link:presentationLink link:calculationLink link:definitionLink 100090 - Statement - Condensed Consolidated Statements of Changes in Stockholders' Equity (Parenthetical) (Unaudited) link:presentationLink link:calculationLink link:definitionLink 100100 - Statement - Condensed Consolidated Statements of Cash Flows (Unaudited) link:presentationLink link:calculationLink link:definitionLink 995455 - Disclosure - Description of Business link:presentationLink link:calculationLink link:definitionLink 995465 - Disclosure - Summary of Significant Accounting Policies link:presentationLink link:calculationLink link:definitionLink 995475 - Disclosure - Net Loss per Common Share link:presentationLink link:calculationLink link:definitionLink 995485 - Disclosure - Financial Instruments link:presentationLink link:calculationLink link:definitionLink 995495 - Disclosure - Property and Equipment link:presentationLink link:calculationLink link:definitionLink 995505 - Disclosure - Out-license Agreements link:presentationLink link:calculationLink link:definitionLink 995515 - Disclosure - Liability Related to the Sale of Future Revenues link:presentationLink link:calculationLink link:definitionLink 995525 - Disclosure - Sale of ATOM Facility link:presentationLink link:calculationLink link:definitionLink 995535 - Disclosure - Leases link:presentationLink link:calculationLink link:definitionLink 995545 - Disclosure - Restructuring link:presentationLink link:calculationLink link:definitionLink 995555 - Disclosure - Commitments and Contingencies link:presentationLink link:calculationLink link:definitionLink 995565 - Disclosure - Stockholders' Equity (Deficit) link:presentationLink link:calculationLink link:definitionLink 995575 - Disclosure - Other Information link:presentationLink link:calculationLink link:definitionLink 995585 - Disclosure - Supplemental Balance Sheet Information link:presentationLink link:calculationLink link:definitionLink 995595 - Disclosure - Subsequent Event link:presentationLink

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Statement [Line Items] Statement [Line Items] Accounts receivable Increase (Decrease) in Accounts Receivable Accounts receivable Plan Name Plan Name [Domain] Processing rooms member. Processing Rooms [Member] Processing Rooms Direct Registered Offering Direct Registered Offering [Member] Direct Registered Offering [Member] Entity Address, Postal Zip Code Entity Address, Postal Zip Code Contractual obligations due to Bayer, MSK and QIMR Contractual Obligations Due To Licensors Contractual obligations due to licensors. Entity incorporation state Entity Incorporation, State or Country Code Entity Incorporation, State or Country Code Reconciliation of share amount used in computing earnings per share. Reconciliation of Share Amount used in Computing Earnings Per Share [Table Text Block] Reconciliation Of computing of EPS Restructuring charges Total restructuring charges Restructuring Charges Finance Lease, Liability, to be Paid Finance leases, Total minimum payments From Date Of Grant From Date Of Grant [Member] Expire from date of grant. Cash paid for interest Interest Paid, Excluding Capitalized Interest, Operating Activities Unrecognized stock-based compensation expense Share-Based Payment Arrangement, Nonvested Award, Excluding Option, Cost Not yet Recognized, Amount Beginning balance (in shares) Ending balance (in shares) Shares, Outstanding Fair Value Hierarchy and NAV [Axis] May 2020 Warrants [Member] May 2020 [Member] Fair Value, Inputs, Level 2 [Member] Level 2 Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Regulatory Milestone Regulatory Milestone Regulatory Milestone Liability for Future Policy Benefit, after Reinsurance [Abstract] Recorded Unconditional Service Obligations [Text Block] Recorded unconditional service obligations. Schedule of Minimum Commitments Proceeds from sale of pre-funded warrants to purchase common stock, gross Proceeds From Issuance Of Common Stock Gross Proceeds from issuance of common stock gross. cash payment cash payment Cash Payment Commitments and Contingencies Commitments and Contingencies Disclosure [Text Block] Restructuring Cost [Table] Total other income (expense), net Total other income (expense), net Total other income (expense), net Schedule Of Stock By Class [Table] Stock, Class of Stock [Table] December 2020 Warrants [Member] December 2020 Warrants [Member] Product and Service [Axis] Material rights, term Material Rights, Term Material rights, term Collaborative Arrangement and Arrangement Other than Collaborative Collaborative Arrangement and Arrangement Other than Collaborative [Domain] Equity [Text Block] Stockholders' Equity (Deficit) Bayer Manufacturing Agreement Bayer Manufacturing Agreement [Member] Bayer Manufacturing Agreement. Class of Warrant or Right Class of Warrant or Right [Axis] Sale of Stock Sale of Stock [Domain] Entity Central Index Key Entity Central Index Key ScheduleOfMaturitiesOfLeaseLiabilitiesUnderOperatingAndFinanceLeasesTableTextBlock ScheduleOfMaturitiesOfLeaseLiabilitiesUnderOperatingAndFinanceLeasesTableTextBlock Schedule of Maturities of Lease Liabilities Under Operating and Finance Leases Schedule of Available-for-sale Securities [Line Items] Debt Securities, Available-for-Sale [Line Items] Warrant Warrant [Member] Forfeited or expired, Shares Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Forfeitures in Period Office Space member. Office Space [Member] Office Space Cash received on closing of Fujifilm Transaction Proceeds from Divestiture of Businesses Net proceeds from sale of ATOM Facility Common Stock, Shares, Issued, Total Common stock, shares issued Common Stock, Shares, Issued Liability for Future Policy Benefit, Activity [Table Text Block] Schedule of Liability Related to the Sale of Future Royalties Schedule Of Employee Service Share Based Compensation Allocation Of Recognized Period Costs [Table] Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table] Finance Lease, Liability, to be Paid, Year Five Finance leases, 2026 Impairment loss Gain (Loss) on Sale of Assets and Asset Impairment Charges Income Statement [Abstract] Entity Address, State or Province Entity Address, State or Province Reconciliation of Cash, Cash Equivalents and Restricted Cash Restrictions on Cash and Cash Equivalents [Table Text Block] Finance Lease, Liability, to be Paid, Year One Finance leases, 2022 Income (Loss) from Continuing Operations before Income Taxes, Noncontrolling Interest Loss before provision for (benefit from) income taxes Proceeds from sale of future royalties, gross Proceeds from sale of future royalties, gross Proceeds from sale of future royalties, gross Purchases of short-term investments Payments to Acquire Short-Term Investments 2019 Warrants Two Thousand Nineteen Warrants [Member] Two thousand nineteen warrants. Loss Contingencies [Table] Loss Contingencies [Table] Total Amortized Cost Total Amortized Cost Cash Equivalents Amortized Cost Cash equivalents, amortized cost. Amortized Cost and Fair Value of Available for Sale Securities by Contractual Maturity Investments Classified by Contractual Maturity Date [Table Text Block] Finance Lease, Liability, to be Paid, after Year Five Finance leases, Thereafter Inventory, Raw Materials, Gross Raw Materials Amortization of Debt Issuance Costs Amortization of debt discount and debt issuance costs WeightedAverageRemainingLeaseTermAbstract WeightedAverageRemainingLeaseTermAbstract Cover [Abstract] Subsequent Event [Line Items] Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Period Increase (Decrease), Excluding Exchange Rate Effect Increase (decrease) in cash, cash equivalents and restricted cash Earnings Per Share, Basic, Total Earnings Per Share, Basic Basic net loss per common share Lessee, Operating Lease, Option to Extend Lease option to extend additional term Total Unrealized Gain Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Gain, before Tax Operating Expenses [Abstract] Costs and operating expenses: Financing cash flows for finance leases Principal payments on finance lease obligations Finance Lease, Principal Payments Financing cash flows for finance leases Contract with Customer, Liability, Current Less: deferred revenue - current portion Less: deferred revenue - current portion Asset Acquisition, Contingent Consideration [Table Text Block] Summary of the carrying amount assets sold and the gain on sale Number of warrants issued Class Of Warrant Or Right Number Of Warrants Issued Class of warrant or right number of warrants issued. Total stock-based compensation expense Share-Based Payment Arrangement, Expense Finance Lease, Weighted Average Discount Rate, Percent Finance leases Issuance of common stock pursuant to employee stock awards Issuance Of Common Stock Pursuant To Employee Stock Awards Value Issuance of common stock pursuant to employee stock awards value. FinanceLeaseCost FinanceLeaseCost Total finance lease cost Retained Earnings (Accumulated Deficit), Ending Balance Retained Earnings (Accumulated Deficit), Beginning Balance Retained Earnings (Accumulated Deficit), Total Accumulated deficit Retained Earnings (Accumulated Deficit) Non-cash settlements/adjustments Non-cash Settlements Non-cash Settlements Plan Name Plan Name [Axis] Total Unrealized Gain Cash Equivalents Accumulated Gross Unrealized Gain Before Tax Cash equivalents, accumulated gross unrealized gain, before tax. Outstanding, Shares, beginning balance Outstanding, Shares, ending balance Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Number Supply agreement maximum extension term Supply Agreement Maximum Extension Term Supply agreement maximum extension term. Current assets: Assets, Current [Abstract] Shares of common stock, reserved for issuance Total reserved shares of common stock Common Stock, Capital Shares Reserved for Future Issuance Description of Business Business Description [Text Block] The entire disclosure for the business description concept. Business description describes the nature and type of organization including but not limited to organizational structure as may be applicable to holding companies, parent and subsidiary relationships, business divisions, business units, business segments, affiliates and information about significant ownership of the reporting entity. Proceeds from transaction cost Proceeds from transaction cost Net cash used in operating activities Net Cash Provided by (Used in) Operating Activities

Weighted Average Grant Date Fair Value, Forfeited Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Forfeitures, Weighted Average Grant Date Fair Value Product and Service [Domain] Accumulated Other Comprehensive Income (Loss), Net of Tax, Total Accumulated other comprehensive (loss) income Accumulated Other Comprehensive Income (Loss), Net of Tax Warrants, term Class Of Warrant Or Right Term Class of warrant or right, term. Property, Plant and Equipment, Net, Ending Balance Property, Plant and Equipment, Net, Beginning Balance Property and equipment, net Property and equipment, net Property, Plant and Equipment, Net Lessee, Operating Lease, Liability, to be Paid, Year Four Operating leases, 2025 Deferred revenue - long-term, September 30, 2024 Deferred revenue - long-term Contract with Customer, Liability, Noncurrent Operating activities Net Cash Provided by (Used in) Operating Activities [Abstract] Fair Value, Measurements, Recurring Fair Value, Recurring [Member] Restructuring and Related Activities [Abstract] Common stock, par value Common Stock, Par or Stated Value Per Share Payment exchange reduction Amount Payment exchange reduction Amount Payment exchange reduction amount Unrealized gain (loss) on available-for-sale securities OCI, Debt Securities, Available-for-Sale, Unrealized Holding Gain (Loss), before Adjustment, after Tax Unrealized gain (loss) on available-for-sale securities Deferred revenue September 30, 2024 Deferred revenue, January 1, 2024 Contract with Customer, Liability, Total Deferred revenue Contract with Customer, Liability Disposal Groups, Including Discontinued Operations [Table] Statement of Cash Flows [Abstract] Counterparty Name Counterparty Name [Axis] Costs Incurred Relatedto Performance Obligations Includedin R&D Costs Incurred Relatedto Performance Obligations Includedin R&D Costs Incurred Relatedto Performance Obligations Includedin R&D Non-cash operating lease expense Non Cash Operating Lease Expense Non cash operating lease expense. Antidilutive Securities, Name Antidilutive Securities, Name [Domain] Gain on sale of ATOM Facility Disposal Group, Not Discontinued Operation, Gain (Loss) on Disposal Pre-tax gain on sale of business Supplemental Unemployment Benefits, Severance Benefits Supplemental Unemployment Benefits, Severance Benefits Other long-term liabilities Increase (Decrease) in Other Noncurrent Liabilities Equity Components Equity Components [Axis] Entity Address, Address Line One Entity Address, Address Line One Schedule of Change in Asset Retirement Obligation [Table Text Block] Summary of Activity for ARO Liabilities Employee-related Liabilities, Current, Total Accrued compensation Employee-related Liabilities, Current Shares, Granted Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Grants in Period At The Market Offering At The Market Offering [Member] At the market offering. Computer equipment and software [Member] Computer Equipment [Member] Property Plant And Equipment [Line Items] Property, Plant and Equipment [Line Items] Subsequent Event Type [Axis] Antidilutive Securities Excluded From Computation of Diluted Net Loss per Common Share Schedule of Antidilutive Securities Excluded from Computation of Earnings Per Share [Table Text Block] Accrued research and development expenses Accrued research and development expenses Increase Decrease In Accrued Research And Development Increase (decrease) in accrued research and development. Received Tiered Royalties On Net Sales Received Tiered Royalties On Net Sales Received tiered royalties on net sales, percentage Balance as of September 30, 2024 Balance as of December 31, 2023 Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Number Supplemental Balance Sheet Information [Table] Supplemental Balance Sheet Information [Table] Amendment Flag Amendment Flag Operating lease liabilities - long-term Operating Lease, Liability, Noncurrent Operating lease liabilities - long-term Corporate Debt Obligations Corporate Debt Securities [Member] Liability for Future Policy Benefits and Unpaid Claims Disclosure [Text Block] Liability Related to the Sale of Future Revenues Additional Paid in Capital, Common Stock, Ending Balance Additional Paid in Capital, Common Stock, Beginning Balance Additional paid-in capital Additional Paid in Capital, Common Stock Restructuring Plan [Domain] Operating Lease, Liability, Current, Statement of Financial Position [Extensible Enumeration] Net (loss) income Net income (loss) Lessee, Lease, Description [Table] Exercised, Shares Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercises in Period Research and development Research and Development Expense [Member] Equity Component Equity Component [Domain] Statistical Measurement Statistical Measurement [Domain] General and Administrative Expense, Total General and Administrative Expense General and administrative expenses Proceeds from sale of property and equipment Proceeds from Sale of Property, Plant, and Equipment Proceeds from Sale of Property, Plant, and Equipment, Total Supplemental Balance Sheet Disclosures [Text Block] Supplemental Balance Sheet Information Other Nonoperating Income (Expense), Total Other Nonoperating Income (Expense) Other income (expense), net Share based compensation award expiration period Share-Based Compensation Arrangement by Share-Based Payment Award, Expiration Period Furniture and Fixtures [Member] Furniture and Fixtures [Member] Net Income (Loss), Including Portion Attributable to Noncontrolling Interest, Total Net Income (Loss), Including Portion Attributable to Noncontrolling Interest Net income (loss) Operating Lease, Payments Operating cash flows for operating leases Amortized cost Debt Securities, Available-for-Sale, Maturity, Allocated and Single Maturity Date, Amortized Cost [Abstract] Restricted cash - short term Restricted cash Restricted Cash, Current Short-term Investments, Total Short-term investments Short-Term Investments WeightedAverageDiscountRateAbstract WeightedAverageDiscountRateAbstract Weighted Average Discount Rate Accrued costs related to direct registered offering Non-cash Investing and Financing Activities Accrued Costs Related to Direct Registered Offering Non-cash Investing and Financing Activities Accrued Costs Related to Direct Registered Offering. Liability related to sale of future revenues as of January 1, 2024 Liability related to the sale of future revenues - long-term Liability related to the sale of future royalties - long-term Liability related to the sale of future royalties - long-term Liability related to the sale of future revenues - long-term Liability related to sale of future revenues - long-term Accrued research and development expenses Accrued Research And Development Expenses Current Accrued research and development expenses current. Estimated Fair value Debt Securities, Available-for-Sale, Fair Value, Fiscal Year Maturity [Abstract] Forfeited or expired, Weighted Average Exercise price Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Forfeitures in Period, Weighted Average Exercise Price Disposal Group, Including Discontinued Operation, Prepaid and Other Assets, Current Prepaid expenses and other current assets Collaborative Arrangement and Arrangement Other than Collaborative Collaborative Arrangement and Arrangement Other than Collaborative [Axis] Employees And Non Employees Employees And Non Employees [Member] Employees and non-employees. Out-license Agreements Collaborative Arrangement Disclosure [Text Block] Comprehensive Income (Loss), Net of Tax, Attributable to Parent Comprehensive income (loss) Common Stock, Shares, Outstanding, Ending Balance Common Stock, Shares, Outstanding, Beginning Balance Common stock, shares outstanding Common Stock, Shares, Outstanding Total Fair Value Cash Equivalents Fair Value, Total Total Fair Value Cash Equivalents Fair Value Cash equivalents, fair value. Preferred stock, par value Preferred Stock, Par or Stated Value Per Share Prior notice period Prior Notice Period To Increase Or Decrease Maximum Ownership Percentage Prior notice period to increase or decrease maximum ownership percentage. Antidilutive Securities Antidilutive Securities [Axis] Common stock average price Common Stock Average Price Common stock average price. Discontinued Operations and Disposal Groups [Abstract] Entity Interactive Data Current Entity Interactive Data Current Maturing within one year, Estimated fair value Debt Securities, Available-for-Sale, Fair Value, Maturity, Allocated and Single Maturity Date, Year One Lab equipment [Member] Lab Equipment [Member] Lab Equipment [Member] Schedule Of License Collaboration And Manufacturing Agreements [Table] Schedule Of License Collaboration And Manufacturing Agreements [Table] Schedule of license, collaboration and manufacturing agreements. Lease Expiration Date Lease expiration date Cash Received Cash Received Document Quarterly Report Document Quarterly Report Property, Plant and Equipment, Net, by Type [Abstract] Weighted Average Grant Date Fair Value, Vested Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period, Weighted Average Grant Date Fair Value Total cash, cash equivalents and restricted cash Cash, cash equivalents and restricted cash at beginning of period Cash, cash equivalents and restricted cash at end of period Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents Finance Lease, Liability, Undiscounted Excess Amount Less: amount representing interest Less: amount representing interest Statistical Measurement Statistical Measurement [Axis] Operating Lease, Cost Operating lease cost South Sanfransisco California member. South Sanfransisco California [Member] South San Francisco California Finance Lease, Interest Payment on Liability Operating cash flows for finance leases Commercial Paper Commercial Paper [Member] Summary of RSU Activity Share-Based Payment Arrangement, Restricted Stock and Restricted Stock Unit, Activity [Table Text Block] Aggregate number of awards available for grant to be issued Share-Based Compensation Arrangement by Share-Based Payment Award, Number of Shares Available for Grant Weighted Average Grant Date Fair Value, Granted Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Grants in Period, Weighted Average Grant Date Fair Value Unrecognized stock-based compensation weighted average recognition period Share-Based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Period for Recognition Machinery and Equipment [Member] Machinery and Equipment [Member] Payments received from sale of inventory Payments Received from Sale of Inventory Payments Received from Sale of Inventory Accretion Expense Accretion of interest expense on liability related to sale of future revenues Accretion of liability related to sale of future revenues Income Statement Location Statement of Income Location, Balance [Axis] Embedded Leases Member Embedded Leases Member Embedded Leases Total assets Assets Liabilities related to indemnification agreements Liabilities Related To Indemnification Agreements Liabilities related to indemnification agreements. Sub Licensing Fees Sub Licensing Fees Sub Licensing Fees Shares, Vested Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period Restricted Cash and Cash Equivalents, Noncurrent, Total Restricted Cash and Cash Equivalents, Noncurrent Letter of credit issued, classified as long-term restricted cash Minimum cash repayment. Minimum Cash Repayment Minimum cash repayment Recent Accounting Pronouncements New Accounting Pronouncements, Policy [Policy Text Block] Entity Address, City or Town Entity Address, City or Town Accumulated Other Comprehensive Income (Loss) AOCI Attributable to Parent [Member] Shares, Forfeited Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Forfeited in Period Finance Lease, Liability, to be Paid, Year Two Finance leases, 2023 Cash payments restructuring Payments for Restructuring Cash payments Inducement Plan Inducement Plan [Member] Inducement plan. Payment Received form Sale of Assets Proceeds from Sale of Other Assets Restructuring Cost and Reserve [Line Items] Depreciation expense Depreciation, Total Depreciation Maturing within one year, Amortized cost Debt Securities, Available-for-Sale, Amortized Cost, Maturity, Allocated and Single Maturity Date, Year One Construction in Progress [Member] Construction in Progress [Member] Increase (Decrease) in Other Current Asset Increase (Decrease) in Other Current Asset Other current assets Other current assets Percentage of commission to be paid on gross sales proceeds of common stock sold Percentage Of Commission To Be Paid On Gross Sales Proceeds Of Common Stock Sold Percentage of commission to be paid on gross sales proceeds of common stock sold. LeaseCommencementDate LeaseCommencementDate Lease commencement date Restructuring Liability Restructuring Liability Nov 2023 Restructuring Liability Nov 2023 Operating Lease, Weighted Average Discount Rate, Percent Operating leases Issuance of common stock through ATM facilities, net of commissions and offering costs, value Issuance Of Common Stock Net Of Commissions And Offering Costs Value Issuance of common stock, net of commissions and offering costs, value. Financial Instruments Disclosure [Abstract] financial instruments disclosure. Lessee, Lease, Description [Line Items] Current liabilities: Liabilities, Current [Abstract] Income Taxes Paid, Net, Total Cash paid for income taxes Income Taxes Paid, Net Document Type Document Type Net of Transaction Costs Net of Transaction Costs Net of transaction costs Liability for Future Policy Benefit Activity [Table] Title of 12(b) Security Title of 12(b) Security Pierre Fabre Commercialization Agreement Pierre Fabre Commercialization Agreement [Member] Pierre Fabre commercialization agreement. Cash and Cash Equivalents, at Carrying Value, Ending Balance Cash and Cash Equivalents, at Carrying Value, Beginning Balance Cash and Cash Equivalents, at Carrying Value, Total Cash and cash equivalents Cash and Cash Equivalents, at Carrying Value Disposal Group, Including Discontinued Operation, Other Liabilities, Current Other assets Lessee, Operating Lease, Liability, to be Paid, Year Five Operating leases, 2026 Lease, Cost [Table Text Block] Components of Lease Cost Statement of Stockholders' Equity [Abstract] Document Fiscal Period Focus Document Fiscal Period Focus Reverse Stock Split Policy Text Block Reverse Stock Split Policy Text Block Reverse Stock Split Research and Development Expense, Total Research and Development Expense Research and development expenses Taxes paid related to net share settlement of restricted stock units Payment, Tax Withholding, Share-Based Payment Arrangement Granted, Shares Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Grants in Period, Gross Restricted Cash and Cash Equivalents, Total Restricted Cash and Cash Equivalents Letter of credit maintained Property, Plant and Equipment, Gross, Ending Balance Property, Plant and Equipment, Gross, Beginning Balance Property, Plant and Equipment,

Gross, Total Property and equipment, gross Property, Plant and Equipment, Gross Subsequent Event Type [Domain] Disposal Groups, Including Discontinued Operations, Disclosure [Text Block] Sale of ATOM Facility Common stock value remaining to be sold Common Stock Value Remained Available To Be Sold Common stock value remained available to be sold. Investment amount Payments to Acquire Lease Receivables Payments to acquire lease receivables Warrants, exercise price Warrants, exercise price Class of Warrant or Right, Exercise Price of Warrants or Rights Financial Instruments [Domain] Maximum cash repayment. Maximum Cash Repayment Maximum cash repayment Sale of Stock Sale of Stock [Axis] Investing activities Net Cash Provided by (Used in) Investing Activities [Abstract] Accrued costs related to ATM facility Non cash investing and financing activities accrued costs related to at the market facility. Non Cash Investing And Financing Activities Accrued Costs Related To At The Market Facility Issuance of pre-funded warrants net of offering costs Issuance Of Pre Funded Warrants Net Of Offering Costs Issuance Of Pre Funded Warrants Net Of Offering Costs AR Commercialization Agreement [Member] A&R Commercialization Agreement [Member] A&R Commercialization Agreement [Member] Deferred revenue Deferred Income, Current 2018 Inducement Plan Two Thousand Eighteen Inducement Plan [Member] Two thousand eighteen inducement plan. Short-Term Debt, Type [Axis] Deferred revenue, revenue recognized Deferred Revenue, Revenue Recognized Debt Securities, Available-for-Sale [Table] Depreciation, Depletion and Amortization, Nonproduction, Total Depreciation and amortization expense Depreciation, Depletion and Amortization, Nonproduction Short-Term Debt, Type [Domain] Other Accrued Liabilities, Current Other accrued liabilities Increase (Decrease) in Accounts Payable, Total Accounts payable Increase (Decrease) in Accounts Payable Accounts payable Proceeds from (Payments for) Other Financing Activities Other financing activities, net Other financing activities, net Entity Address, Address Line Two Entity Address, Address Line Two Liabilities and Equity [Abstract] Liabilities and stockholders' equity (deficit) Document Period End Date Document Period End Date Net cash provided by financing activities Net Cash Provided by (Used in) Financing Activities Antidilutive securities excluded from computation of earnings per share Antidilutive Securities Excluded from Computation of Earnings Per Share, Amount Liability related to sale of future revenues as of January 1, 2024 Liability related to sale of future revenues Liability related to sale of future revenues Liability related to the sale of future revenues as of June 30, 2024 Aurora Colorado Member Aurora Colorado Member Aurora Colorado Maturing in one to five years, Estimated fair value Debt Securities, Available-for-Sale, Fair Value, Maturity, Allocated and Single Maturity Date, after Year One Through Five Liability balance, September 30, 2024 Liability balance, January 1, 2024 Restructuring Reserve Restructuring Reserve, Total APIC, Share-based Payment Arrangement, Increase for Cost Recognition, Total Stock-based compensation expense APIC, Share-Based Payment Arrangement, Increase for Cost Recognition Accrued Liabilities, Current, Total Accrued Liabilities, Current Accrued operating expenses Lessee, Operating Lease, Liability, to be Paid, after Year Five Operating leases, Thereafter Income Tax Expense (Benefit), Total Income Tax Expense (Benefit) Provision for (benefit from) income taxes 2014 Employee Stock Purchase Plan Two Thousand Fourteen Employee Stock Purchase Plan [Member] Two thousand fourteen employee stock purchase plan. Freezers member. Freezers [Member] Freezers Trading Symbol Trading Symbol Beginning balance Ending balance Equity, Attributable to Parent Total stockholders' equity (deficit) Issuance of pre-funded warrants to purchase common stock through a registered direct offering, net of offering costs of \$177 Issuance Of Pre Funded Warrants Registered Direct Offering Value Issuance Of Pre Funded Warrants Registered Direct Offering Value Schedule of Common Stock Reserved for Future Issuance Under Equity Incentive Plans Common Stock Reserved For Future Issuance Table [Text Block] Common stock reserved for future issuance. Aggregate milestone payments entitle to receive upon achieving certain regulatory and commercial milestones Aggregate Milestone Payments Entitle To Receive Upon Achieving Certain Regulatory And Commercial Milestones Aggregate milestone payments entitle to receive upon achieving certain regulatory and commercial milestones. Additional Milestone Payments Additional Milestone Payments Additional milestone payments Deferred Income, Addition Additions Supplemental Balance Sheet Information [Line Items] Supplemental Balance Sheet Information [Line Items] Long-Lived Tangible Asset Long-Lived Tangible Asset [Axis] Warrants outstanding Warrants outstanding Class of Warrant or Right, Outstanding Other Liabilities, Noncurrent, Total Other long-term liabilities Other Liabilities, Noncurrent Unvested RSUs Restricted Stock Units (RSUs) Restricted Stock Units (RSUs) [Member] Deferred revenue Increase (Decrease) in Deferred Revenue Schedule Of Property Plant And Equipment [Table] Property, Plant and Equipment [Table] Schedule of Stock-based Compensation, Related to Employee and Nonemployee Stock Awards Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table Text Block] Authorized capital stock Capital Units, Authorized January 2024 Warrants [Member] January 2024 Warrants [Member] Geographical [Axis] Finance Lease, Liability, to be Paid, Year Three Finance leases, 2024 Total Unrealized Loss Total Unrealized Loss Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Loss, before Tax Unrecognized stock-based compensation Share-Based Payment Arrangement, Nonvested Award, Option, Cost Not yet Recognized, Amount Leases [Abstract] Summarizes of future termination benefit payments Restructuring and Related Costs [Table Text Block] Lab Equipment Equipment [Member] Use of Estimates Use of Estimates, Policy [Policy Text Block] Deferred Revenue, by Arrangement, Disclosure [Table Text Block] Schedule of Deferred Revenue Activity Operating Lease, Liability, Noncurrent, Statement of Financial Position [Extensible Enumeration] Less: current portion classified within other accrued liabilities Liability related to the sale of future revenue current. Liability Related To The Sale Of Future Revenue Current Less: current portion classified within other accrued liabilities Class Of Stock [Line Items] Class of Stock [Line Items] Common stock, reserved for future issuance value Common Stock, Reserved for Future Issuance Value Common stock, reserved for future issuance value Other Current Liabilities [Table Text Block] Schedule of Other Current Liabilities Finance Lease, Liability, Current, Statement of Financial Position [Extensible Enumeration] Security Exchange Name Security Exchange Name Counterparty Name Counterparty Name [Domain] Proceeds from Sale, Maturity and Collection of Short-term Investments, Total Proceeds from maturities and sales of short-term investments Proceeds from Sale, Maturity and Collection of Short-Term Investments Long-Lived Tangible Asset Long-Lived Tangible Asset [Domain] Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment, Ending Balance Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment, Beginning Balance Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment, Total Less: accumulated depreciation and amortization Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment Lessee, Operating Lease, Liability, to be Paid, Year Three Operating leases, 2024 CashPaidForAmountsIncludedInMeasurementOfLeaseLiabilitiesAbstract CashPaidForAmountsIncludedInMeasurementOfLeaseLiabilitiesAbstract Subsequent Event [Member] Maximum [Member] Maximum [Member] Restructuring Restructuring and Related Activities Disclosure [Text Block] Liabilities and Equity Total liabilities and stockholders' equity (deficit) Operating lease assets Operating Lease, Right-of-Use Asset Supplemental cash flow disclosure Supplemental Cash Flow Information [Abstract] Earnings Per Share, Diluted, Total Earnings Per Share, Diluted Diluted net loss per common share Leasehold Improvements [Member] Leasehold Improvements [Member] Total liabilities Liabilities Fair Value Hierarchy and NAV [Domain] Total current assets Assets, Current Net Cash Provided by (Used in) Investing Activities Net cash provided by (used in) investing activities Common stock, shares issued Stock Issued During Period, Shares, New Issues Share based compensation, vesting period Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Period Schedule of changes in liability of sales revenues Agreement Table Text Block Schedule of changes in liability of sales revenues Agreement Table Text Block Interest Income, Operating, Total Interest Income, Operating Interest income Entity Filer Category Entity Filer Category Number Of Transaction Cost Number Of Transaction Cost Number Of transaction cost Changes in operating assets and liabilities: Increase (Decrease) in Other Operating Assets and Liabilities, Net [Abstract] Property, Plant and Equipment [Abstract] Number of securities called by each warrant Class of Warrant or Right, Number of Securities Called by Each Warrant or Right 2014 Equity Incentive Plan Two Thousand And Fourteen Equity Incentive Plan [Member] Two thousand and fourteen equity incentive plan. Development or sales-based milestone payments earned or received Development Or Sales Based Milestone Payments Earned Or Received Development or sales-based milestone payments earned or received. Liability Related to the Sale of Future Revenues Text Block Liability Related to the Sale of Future Revenues Text Block Liability Related to the Sale of Future Revenues License Collaboration And Manufacturing Agreements [Line Items] License Collaboration And Manufacturing Agreements [Line Items] License, collaboration and manufacturing agreements. Revenue recognition, performance obligation Revenue Recognition Performance Obligation Revenue Recognition Performance Obligation Current Fiscal Year End Date Current Fiscal Year End Date Lessee, Operating Lease, Liability, Undiscounted Excess Amount Less: amount representing interest Less: amount representing interest Share-based Payment Arrangement, Noncash Expense, Total Stock-based compensation expense Share-Based Payment Arrangement, Noncash Expense Aggregate intrinsic value Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Intrinsic Value Entity Registrant Name Entity Registrant Name Milestone payments Milestone payments Milestone payments Investment Income, Net, Amortization of Discount and Premium, Total Investment Income, Net, Amortization of Discount and Premium Amortization (accretion) of investment premiums (discounts) Receivable for early contract Receivable for early contract Finance Lease, Weighted Average Remaining Lease Term Finance leases LeaseOptionToExtendAdditionalTerm LeaseOptionToExtendAdditionalTerm Lease option to extend additional term 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 Common Share Earnings Per Share [Text Block] Entity Emerging Growth Company Entity Emerging Growth Company Money Market Funds Money Market Funds [Member] Other current liabilities Other Liabilities, Current Total other current liabilities Basic weighted-average shares outstanding Weighted Average Number of Shares Outstanding, Basic, Total Weighted Average Number of Shares Outstanding, Basic Weighted average shares outstanding - Basic Carrying Value Of Assets Sold And Gain On Sale [Table Text Block] Carrying Value Of Assets Sold And Gain On Sale [Table Text Block] Summary of the carrying amount assets sold and the gain on sale Loss Contingencies [Line Items] Loss Contingencies [Line Items] Finance Lease, Liability, Noncurrent Other long-term liabilities Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] Proceeds from sale of pre-funded warrants to purchase common stock, net Proceeds From Issuance Of Common Stock Net Proceeds from issuance of common stock net. Other current liabilities Other current liabilities Increase (Decrease) in Other Current Liabilities Common stock, shares authorized Common Stock, Shares Authorized Interest Payable, Current Interest payable Proceeds from issuance of common stock through ATM facilities, net Proceeds from Issuance of Common Stock Finance Lease, Interest Expense Interest on lease liabilities Fair Value, Inputs, Level 1 [Member] Level 1 License Collaboration And Manufacturing Agreements [Abstract] License, collaboration and manufacturing agreements. Upfront and milestone payments Upfront and Milestone Payments Upfront and Milestone Payments RSU settlements, net of shares withheld Restricted Stock, Value, Shares Issued Net of Tax Withholdings Granted, Weighted Average Exercise Price Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Grants in Period, Weighted Average Exercise Price Financial Instrument [Axis] License and collaboration revenue License And Collaboration Revenue License and collaboration revenue. Outstanding, Weighted Average Remaining Contractual Term Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Remaining Contractual Term General and administrative General and Administrative Expense [Member] Underwritten Public Offering Underwritten Public Offering [Member] Underwritten public offering. Share-Based Payment Arrangement [Abstract] LeaseAgreementAreaOfficeLabAndWarehouseSpace LeaseAgreementAreaOfficeLabAndWarehouseSpace Liabilities Subject to Compromise, Early Contract Termination Fees Agreement early termination liability Restructuring Plan [Axis] Total Fair Value Total Fair Value Debt Securities, Available-for-Sale Accounting Policies [Abstract] Summary of Stock Option Activity Share-Based Payment Arrangement, Option, Activity [Table Text Block] Equity, Attributable to Parent [Abstract] Stockholders' equity (deficit): Stock issued during period shares stock options exercised of pre-funded warrants. Stock Issued During Period Shares Stock Options Exercised Of Pre Funded Warrants Exercise of pre-funded warrants, Share MSK License Agreements MSK License Agreements [Member] MSK License Agreements [Member] Non-cash investing and financing activities Cash Flow, Noncash Investing and Financing Activities Disclosure [Abstract] Description Of Business [Abstract] Description of business. Statement [Table] Statement [Table] Schedule of Property and Equipment Property, Plant and Equipment [Table Text Block] Subsequent Event [Table] Proceeds from sale of common stock and pre-funded warrants in registered direct offerings, net Proceeds from Sale of Common Stock and Pre-Funded Warrants in Registered Direct Offerings Proceeds from Sale of Common Stock and Pre-Funded Warrants in Registered Direct Offerings Preferred stock, shares authorized Preferred Stock, Shares Authorized MSA member. MSA [Member] MSA Revenue from

Contract with Customer, Including Assessed Tax Total revenue Entity File Number Securities Act File Number Asset-Backed Securities Asset-Backed Securities [Member] OperatingLeaseCostAbstract OperatingLeaseCostAbstract Earnings Per Share [Abstract] Net earnings (loss) per common share: Commercialization Revenue Commercialization Revenue Commercialization revenue Accrued interest receivable Interest Receivable Amounts Classified As Cash Equivalents Cash Equivalents [Member] Gain (Loss) on Sale of Investments Gain on sale of ATOM Facility Gain on sale of ATOM Facility Statement of Financial Position [Abstract] Disposal Group, Including Discontinued Operation, Property, Plant and Equipment, Noncurrent Property and equipment, net Interest Expense, Total Interest Expense, Operating and Nonoperating Interest expense Interest expense Summary of Estimated Fair Value and Related Valuation Input Hierarchy of Available-for-Sale Securities Summary Of Estimated Fair Value And Related Valuation Input Hierarchy Of Available For Sale Securities Table [Text Block] Summary of estimated fair value and related valuation input hierarchy of available-for-sale securities. Entity incorporation date Entity Incorporation, Date of Incorporation Loss from operations Operating Income (Loss) Shares Issued, Price per Share Shares Issued, Price Per Share Cost of Commercialization Revenue Cost of Commercialization Revenue Cost of commercialization revenue Letter of Credit [Member] Line of credit Entity Shell Company Entity Shell Company Deferred Income, Revenue Recognized Recognized into commercialization revenue Recognized into commercialization revenue Entity Tax Identification Number Entity Tax Identification Number Assets Assets [Abstract] Class of Warrant or Right Class of Warrant or Right [Domain] Entity Current Reporting Status Entity Current Reporting Status Finance Lease, Liability, to be Paid, Year Four Finance leases, 2025 Property and Equipment Property, Plant and Equipment Disclosure [Text Block] Subsequent Events [Abstract] Upfront cash payment received Upfront Cash Payment Received Upfront cash payment received. Restructuring Liability Restructuring Liability Jan 2024 Restructuring Liability Jan 2024 Restructuring of Labiality Activity Restructuring Labiality Activity Table Text Block Restructuring Labiality Activity Table Text Block Geographical [Domain] Document Fiscal Year Focus Document Fiscal Year Focus Computer Equipment and Software Computer Equipment And Software [Member] Computer equipment and software. Property and equipment purchases included in accounts payable and other accrued liabilities Capital Expenditures Incurred but Not yet Paid Total available-for-sale securities, Amortized cost Debt Securities, Available-for-Sale, Maturity, Allocated and Single Maturity Date, Amortized Cost Lessee, Finance Lease, Term of Contract Lease initial term Maturing in one to five years, Amortized cost Debt Securities, Available-for-Sale, Amortized Cost, Maturity, Allocated and Single Maturity Date, after Year One Through Five OperatingLeaseCostIncludingShortTermLease OperatingLeaseCostIncludingShortTermLease Total operating lease cost City Area Code City Area Code Cash consideration pursuant to asset purchase agreement Disposal Group, Including Discontinued Operation, Consideration Total current liabilities Liabilities, Current Thousand Oak California [Member] Thousand Oak California [Member] Thousand Oaks California Inventory, Net Inventories Total inventories Selling of Intermediates Used in the Manufacture of Ebvallo Selling of Intermediates Used in the Manufacture of Ebvallo Selling price of intermediates used in the manufacture of ebvallo Local Phone Number Local Phone Number Preferred Stock, Shares Outstanding, Ending Balance Preferred Stock, Shares Outstanding, Beginning Balance Preferred stock, shares outstanding Preferred Stock, Shares Outstanding Antidilutive Securities Excluded From Computation Of Earnings Per Share [Line Items] Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Maximum ownership Percentage Maximum Ownership Percentage Maximum ownership percentage. Outstanding options and RSUs Share Based Compensation Arrangement By Share Based Payment Award Equity Instruments Options And Restricted Stock Units Outstanding Share based compensation arrangement by share based payment award equity instruments options and restricted stock units outstanding. IncrementalContractualObligationsUnderLeaseAmendment IncrementalContractualObligationsUnderLeaseAmendment Incremental contractual obligations under lease amendment RSU settlements, net of shares withheld, shares Restricted Stock, Shares Issued Net of Shares for Tax Withholdings Cowen Cowen And Company Limited Liability Company [Member] Cowen and Company Limited Liability Company. Commitments and Contingencies Disclosure [Abstract] Total Amortized Cost Total Amortized Cost Debt Securities, Available-for-Sale, Amortized Cost Operating Lease, Liability, Current Other current liabilities Current portion of operating lease liabilities Right-of-Use Asset Obtained in Exchange for Finance Lease Liability Operating lease assets obtained in exchange for lease obligations Revenue recognition, performance satisfied or partially satisfied prior period Revenue Recognition Performance Satisfied or Partially Satisfied Prior Period Revenue Recognition Performance Satisfied or Partially Satisfied Prior Period Liability for Future Policy Benefit, Activity [Line Items] Commercialization Revenue [Member] Commercialization Revenue [Member] Commercialization Revenue [Member] Accumulated Deficit Retained Earnings [Member] Payments to Acquire Property, Plant, and Equipment, Total Purchases of property and equipment Payments to Acquire Property, Plant, and Equipment Liquidity Policy [Text Block] Liquidity Liquidity and Going Concern Schedule of Diluted net (loss) earnings per common share Schedule of Earnings Per Share, Diluted, by Common Class, Including Two Class Method [Table Text Block] Document Transition Report Document Transition Report Reduction in current workforce percentage Reduction In Current Workforce Percentage Reduction in current workforce Increase (Decrease) in Other Operating Assets, Total Other assets Increase (Decrease) in Other Operating Assets Other assets Percentage of employees purchase price of common stock Share-Based Compensation Arrangement by Share-Based Payment Award, Purchase Price of Common Stock, Percent Lessee, Operating Lease, Liability, to be Paid, Year Two Operating leases, 2023 Common stock aggregate offering price Aggregate Offering Price Of Common Stock Aggregate Offering Price of common stock. Schedule Of Antidilutive Securities Excluded From Computation Of Earnings Per Share [Table] Antidilutive Security, Excluded EPS Calculation [Table] Other non-cash items, net Other non-cash items, net Other non-cash items, net Proceeds from employee stock awards Proceeds from Stock Plans Equity-Based Arrangements, Individual Contracts, Type of Deferred Compensation Equity-Based Arrangements, Individual Contracts, Type of Deferred Compensation [Domain] Exercised, Weighted Average Exercise Price Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Exercises in Period, Weighted Average Exercise Price Minimum Minimum [Member] Minimum [Member] Determined upfront payment constituted entire consideration included in transaction price Determined Upfront Payment Constituted Entire Consideration Included In Transaction Price Determined upfront payment constituted entire consideration included in transaction price. Common Stock Common Stock [Member] Leases disclosure. Leases Disclosure [Text Block Leases Employee Service Share Based Compensation Allocation Of Recognized Period Costs [Line Items] Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Line Items] Accrued termination charges Accrued Termination Charges Accrued termination charges. Balance as of September 30, 2024 Balance as of December 31, 2023 Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Weighted Average Grant Date Fair Value Additional Paid-in Capital Additional Paid-in Capital [Member] Adjustments to Reconcile Net Income (Loss) to Cash Provided by (Used in) Operating Activities [Abstract] Adjustments to reconcile net income (loss) to net cash used in operating activities: Amounts Classified As Short-Term Investments Short-Term Investments [Member] Other comprehensive gain (loss): Other Comprehensive Income (Loss), Net of Tax [Abstract] Income Statement Location Statement of Income Location, Balance [Domain] Lessee, Operating Lease, Liability, to be Paid, Year One Operating leases, 2022 Other Assets, Noncurrent, Total Other assets Other Assets, Noncurrent Additional Upfront Payment Included inTransaction Price Additional Upfront Payment Included inTransaction Price Additional Upfront Payment Included inTransaction Price Write off, of accrued interest receivable Write Off Of Accrued Interest Receivable Write off of accrued interest receivable. Liability related to sale of future revenues as of March 31, 2024 Liability related to sale of future revenues as of January 1, 2024 Prepaid Royalties Liability related to sale of future royalties Schedule of Inventory, Current [Table Text Block] Schedule of Inventories Other Assets, Current Other current assets Entity Common Stock, Shares Outstanding Entity Common Stock, Shares Outstanding Government Agency Obligations US Government Agencies Short-Term Debt Securities [Member] Financial Instruments Financial Instruments Disclosure [Text Block] Common Stocks, Including Additional Paid in Capital, Net of Discount [Abstract] Operating lease liabilities Operating lease liabilities Increase Decrease In Operating Lease Liabilities Increase (decrease) in operating lease liabilities. Basis of Presentation Basis of Accounting, Policy [Policy Text Block] 2014 EIP and Inducement Plan Two Thousand Fourteen Equity Incentive Plan And Inducement Plan [Member] 2014 EIP and Inducement Plan. Stock issuance, discounts, commissions and offering costs Adjustments to Additional Paid in Capital, Stock Issued, Issuance Costs Finance Lease, Liability, Current Other current liabilities Current portion of finance lease liabilities Total Unrealized Loss Total Unrealized Loss Cash Equivalents Accumulated Gross Unrealized Loss Before Tax Cash equivalents, accumulated gross unrealized loss, before tax. Common stock- \$0.0001 par value, 500,000 shares authorized as of September 30, 2024 and December 31, 2023; 5,740 and 4,258 shares issued an outstanding as of September 30, 2024 and December 31, 2023, respectively Common Stock, Value, Issued, Ending Balance Common Stock, Value, Issued, Beginning Balance Common Stock, Value, Issued, Total Common Stock, Value, Issued Proceeds from sale of pre-funded warrants to purchase common stock in a registered direct offering, net Proceeds from Sale of Pre-funded Warrants to Purchase Common Stock in a Registered Direct Offering, Net Proceeds from sale of pre-funded warrants to purchase common stock in a registered direct offering, net. Accounts compensation Increase (Decrease) in Employee Related Liabilities, Total Accrued compensation Increase (Decrease) in Employee Related Liabilities Repayment of the liability Payments for Royalties Repayment of the liability Payments for royalties Finance Lease, Right-of-Use Asset, Amortization Amortization expense FinanceLeaseCostsAbstract FinanceLeaseCostsAbstract SummaryOfOtherInformationRelatedToLeasesTableTextBlock SummaryOfOtherInformationRelatedToLeasesTableTextBlock Summary of Other Information Related to Leases Other Nonoperating Income (Expense) [Abstract] Other income (expense), net: LesseeOperatingLeasePercentageOfAnnualIncreaseInBaseRent LesseeOperatingLeasePercentageOfAnnualIncreaseInBaseRent Percentage of annual increase in base rent Operating Lease, Liability, Total Operating Lease, Liability Present value of lease liabilities Total Measurement Frequency Measurement Frequency [Axis] Commitments and Contingencies Commitments and contingencies (Note 8) Two Thousand And Twenty Four Equity Incentive Plan [Member] Two Thousand And Twenty Four Equity Incentive Plan [Member] 2024 Equity Incentive Plan Net assets sold Net assets sold Net assets sold, Total Diluted weighted-average shares outstanding Weighted Average Number of Shares Outstanding, Diluted, Total Weighted Average Number of Shares Outstanding, Diluted Weighted average shares outstanding - Diluted Summary of Significant Accounting Policies Significant Accounting Policies [Text Block] Finance Lease, Liability, Noncurrent, Statement of Financial Position [Extensible Enumeration] Accounts Receivable, after Allowance for Credit Loss, Current, Total Accounts receivable Accounts Receivable, after Allowance for Credit Loss, Current Lessee, Operating Lease, Liability, to be Paid Operating leases, Total minimum payments Increase (Decrease) in Inventories, Total Increase (Decrease) in Inventories Inventories Issuance of common stock pursuant to employee stock awards, shares Issuance Of Common Stock Pursuant To Employee Stock Awards Shares Issuance of common stock pursuant to employee stock awards shares. HCRx Agreement [Member] HCRx Agreement [Member] HCRx Agreement [Member] Interest rate of royalties, percentage Interest Rate of Royalties, percentage Interest rate of royalties, percentage Supplemental Balance Sheet Information [Abstract] Supplemental Balance Sheet Information [Abstract] Fujifilm Master Services and Supply Agreement Fujifilm Master Services And Supply Agreement Fujifilm Master Services [Member] Fujifilm master services and supply agreement. Finance Lease, Liability, Total Finance Lease, Liability Present value of lease liabilities Total Entity Small Business Entity Small Business Stock option granted description terms Share-Based Compensation Arrangement by Share-Based Payment Award, Terms of Award Revenues related performance obligation Revenues Revenues, Total U.S. Treasury Obligations US Treasury Securities [Member] Proceeds from Royalties Received Proceeds from royalties Minimum purchase commitments accrued Minimum purchase commitments accrued Minimum purchase commitments accrued Contractual Obligation, Total Contractual Obligation Contractual obligations ESPP Share Purchase Rights Employee Stock Purchase Plan [Member] Employee stock purchase plan. Financing activities Net Cash Provided by (Used in) Financing Activities [Abstract] Outstanding, Weighted Average Exercise Price, beginning balance Outstanding, Weighted Average Exercise Price, ending balance Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Exercise Price Minimum commitments Expense Minimum commitments Expense Minimum commitments Expense Equity-Based Arrangements, Individual Contracts, Type of Deferred Compensation Equity-Based Arrangements, Individual Contracts, Type of Deferred Compensation [Axis] Right-of-Use Asset Obtained in Exchange for Operating Lease Liability Operating lease assets obtained in exchange for lease obligations: Measurement Frequency Measurement Frequency [Domain] Inventory, Work in Process, Gross Work-in-process Operating Lease, Weighted Average Remaining Lease Term Operating leases Subsequent Events [Text Block] Subsequent Event Royalty eligible to receive term after first commercial sale Royalty Eligible To Receive Term After First Commercial Sale

Royalty eligible to receive term after first commercial sale. Accounts Payable, Current, Total Accounts payable Accounts Payable, Current Issuance of common stock through ATM facilities, net of commissions and offering costs, shares Issuance Of Common Stock Net Of Commissions And Offering Costs Shares Issuance of Common Stock, Net of Commissions and Offering Costs, Shares. Costs and Expenses Total costs and operating expenses

LeaseAgreementAreaOfOfficeLabAndManufacturingSpace LeaseAgreementAreaOfOfficeLabAndManufacturingSpace Lease agreement area of office lab and cellular therapy manufacturing space Short-Term Lease, Cost Short-term lease cost XML 7 R1.htm IDEA: XBRL DOCUMENT v3.24.3 Document and Entity Information - shares 9 Months Ended Sep. 30, 2024 Nov. 06, 2024 Cover [Abstract] Â Â Document Type 10-Q Â Amendment Flag false Â Document Quarterly Report true Â Document Transition Report false Â Document Period End Date Sep. 30, 2024 Â Document Fiscal Year Focus 2024 Â Document Fiscal Period Focus Q3 Â Current Fiscal Year End Date --12-31 Â Entity Registrant Name ATARA BIOTHERAPEUTICS, INC. Â Entity Central Index Key 0001604464 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 false Â Securities Act File Number 001-36548 Â Entity Tax Identification Number 46-0920988 Â Entity Address, Address Line One 2380 Conejo Spectrum Street Â Entity Address, Address Line Two Suite 200 Â Entity Address, City or Town Thousand Oaks Â Entity Address, State or Province CA Â Entity Address, Postal Zip Code 91320 Â City Area Code 805 Â Local Phone Number 623-4211 Â Entity Incorporation, State or Country Code DE Â Title of 12(b) Security Common Stock, par value \$0.0001 per share Â Trading Symbol ATRA Â Security Exchange Name NASDAQ Â Entity Shell Company false Â Entity Common Stock, Shares Outstanding Â 5,759,750 X - DefinitionBoolean flag that is true when the XBRL content amends previously-filed or accepted submission. + ReferencesNo definition available. + Details Name: dei\_AmendmentFlag Namespace Prefix: dei\_Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionArea code of city + ReferencesNo definition available. + Details Name: dei\_CityAreaCode Namespace Prefix: dei\_Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionCover page. + ReferencesNo definition available. + Details Name: dei\_CoverAbstract Namespace Prefix: dei\_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionEnd date of current fiscal year in the format --MM-DD. + ReferencesNo definition available. + Details Name: dei\_CurrentFiscalYearEndDate Namespace Prefix: dei\_Data Type: xbrli:gMonthDayItemType Balance Type: na Period Type: duration X - DefinitionFiscal period values are FY, Q1, Q2, and Q3. 1st, 2nd and 3rd quarter 10-Q or 10-QT statements have value Q1, Q2, and Q3 respectively, with 10-K, 10-KT or other fiscal year statements having FY. + ReferencesNo definition available. + Details Name: dei\_DocumentFiscalPeriodFocus Namespace Prefix: dei\_Data Type: dei:fiscalPeriodItemType Balance Type: na Period Type: duration X - DefinitionThis is focus fiscal year of the document report in YYYY format. For a 2006 annual report, which may also provide financial information from prior periods, fiscal 2006 should be given as the fiscal year focus. Example: 2006. + ReferencesNo definition available. + Details Name: dei\_DocumentFiscalYearFocus Namespace Prefix: dei\_Data Type: xbrli:gYearItemType Balance Type: na Period Type: duration X - DefinitionFor the EDGAR submission types of Form 8-K: the date of the report, the date of the earliest event reported; for the EDGAR submission types of Form N-1A: the filing date; for all other submission types: the end of the reporting or transition period. The format of the date is YYYY-MM-DD. + ReferencesNo definition available. + Details Name: dei\_DocumentPeriodEndDate Namespace Prefix: dei\_Data Type: xbrli:dateItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true only for a form used as an quarterly report. + ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC -Name Form 10-Q -Number 240 -Section 308 -Subsection a> + Details Name: dei\_DocumentQuarterlyReport Namespace Prefix: dei\_Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true only for a form used as a transition report. + ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC -Name Forms 10-K, 10-Q, 20-F -Number 240 -Section 13 -Subsection a-1> + Details Name: dei\_DocumentTransitionReport Namespace Prefix: dei\_Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionThe type of document being provided (such as 10-K, 10-Q, 485BPOS, etc). The document type is limited to the same value as the supporting SEC submission type, or the word 'Other'. + ReferencesNo definition available. + Details Name: dei\_DocumentType Namespace Prefix: dei\_Data Type: dei:submissionTypeItemType Balance Type: na Period Type: duration X - DefinitionAddress Line 1 such as Attn, Building Name, Street Name + ReferencesNo definition available. + Details Name: dei\_EntityAddressAddressLine1 Namespace Prefix: dei\_Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionAddress Line 2 such as Street or Suite number + ReferencesNo definition available. + Details Name: dei\_EntityAddressAddressLine2 Namespace Prefix: dei\_Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionName of the City or Town + ReferencesNo definition available. + Details Name: dei\_EntityAddressCityOrTown Namespace Prefix: dei\_Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionCode for the postal or zip code + ReferencesNo definition available. + Details Name: dei\_EntityAddressPostalZipCode Namespace Prefix: dei\_Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionName of the state or province. + ReferencesNo definition available. + Details Name: dei\_EntityAddressStateOrProvince Namespace Prefix: dei\_Data Type: dei:stateOrProvinceItemType Balance Type: na Period Type: duration X - DefinitionA unique 10-digit SEC-issued value to identify entities that have filed disclosures with the SEC. It is commonly abbreviated as CIK. + ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2> + Details Name: dei\_EntityCentralIndexKey Namespace Prefix: dei\_Data Type: dei:centralIndexKeyItemType Balance Type: na Period Type: duration X - DefinitionIndicate number of shares or other units outstanding of each of registrant's classes of capital or common stock or other ownership interests, if and as stated on cover of related periodic report. Where multiple classes or units exist define each class/interest by adding class of stock items such as Common Class A [Member], Common Class B [Member] or Partnership Interest [Member] onto the Instrument [Domain] of the Entity Listings, Instrument. + ReferencesNo definition available. + Details Name: dei\_EntityCommonStockSharesOutstanding Namespace Prefix: dei\_Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionIndicate 'Yes' or 'No' whether registrants (1) have filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that registrants were required to file such reports), and (2) have been subject to such filing requirements for the past 90 days. This information should be based on the registrant's current or most recent filing containing the related disclosure. + ReferencesNo definition available. + Details Name: dei\_EntityCurrentReportingStatus Namespace Prefix: dei\_Data Type: dei:yesNoItemType Balance Type: na Period Type: duration X - DefinitionIndicate if registrant meets the emerging growth company criteria. + ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2> + Details Name: dei\_EntityEmergingGrowthCompany Namespace Prefix: dei\_Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionCommission file number. The field allows up to 17 characters. The prefix may contain 1-3 digits, the sequence number may contain 1-8 digits, the optional suffix may contain 1-4 characters, and the fields are separated with a hyphen. + ReferencesNo definition available. + Details Name: dei\_EntityFileNumber Namespace Prefix: dei\_Data Type: dei:fileNumberItemType Balance Type: na Period Type: duration X - DefinitionIndicate whether the registrant is one of the following: Large Accelerated Filer, Accelerated Filer, Non-accelerated Filer. Definitions of these categories are stated in Rule 12b-2 of the Exchange Act. This information should be based on the registrant's current or most recent filing containing the related disclosure. + ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2> + Details Name: dei\_EntityFilerCategory Namespace Prefix: dei\_Data Type: dei:filerCategoryItemType Balance Type: na Period Type: duration X - DefinitionTwo-character EDGAR code representing the state or country of incorporation. + ReferencesNo definition available. + Details Name: dei\_EntityIncorporationStateCountryCode Namespace Prefix: dei\_Data Type: dei:edgarStateCountryItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true when the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). + ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC -Name Regulation S-T -Number 232 -Section 405> + Details Name: dei\_EntityInteractiveDataCurrent Namespace Prefix: dei\_Data Type: dei:yesNoItemType Balance Type: na Period Type: duration X - DefinitionThe exact name of the entity filing the report as specified in its charter, which is required by forms filed with the SEC. + ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2> + Details Name: dei\_EntityRegistrantName Namespace Prefix: dei\_Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true when the registrant is a shell company as defined in Rule 12b-2 of the Exchange Act. + ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2> + Details Name: dei\_EntityShellCompany Namespace Prefix: dei\_Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionIndicates that the company is a Smaller Reporting Company (SRC). + ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2> + Details Name: dei\_EntitySmallBusiness Namespace Prefix: dei\_Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionThe Tax Identification Number (TIN), also known as an Employer Identification Number (EIN), is a unique 9-digit value assigned by the IRS. + ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2> + Details Name: dei\_EntityTaxIdentificationNumber Namespace Prefix: dei\_Data Type: dei:employerIdItemType Balance Type: na Period Type: duration X - DefinitionLocal phone number for entity. + ReferencesNo definition available. + Details Name: dei\_LocalPhoneNumber Namespace Prefix: dei\_Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionTitle of a 12(b) registered security. + ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b> + Details Name: dei\_Security12bTitle Namespace Prefix: dei\_Data Type: dei:securityTitleItemType Balance Type: na Period Type: duration X - DefinitionName of the Exchange on which a security is registered. + ReferencesReference 1: <http://www.xbrl.org/2003/role/presentationRef-Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection d1-1> + Details Name: dei\_SecurityExchangeName Namespace Prefix: dei\_Data Type: dei:edgarExchangeCodeItemType Balance Type: na Period Type: duration X - DefinitionTrading symbol of an instrument as listed on an exchange. + ReferencesNo definition available. + Details Name: dei\_TradingSymbol Namespace Prefix: dei\_Data Type: dei:tradingSymbolItemType Balance Type: na Period Type: duration XML 8 R2.htm IDEA: XBRL DOCUMENT v3.24.3 Condensed Consolidated Balance Sheets (Unaudited) - USD (\$) \$ in Thousands Sep. 30, 2024 Dec. 31, 2023 Current assets: Â Â Cash and cash equivalents \$ 46,453 \$ 25,841 Short-term investments 20,736 25,884 Restricted cash 146 146 Accounts receivable 1,335 34,108 Inventories 13,980 9,706 Other current assets 9,205 6,184 Total current assets 91,855 101,869 Property and equipment, net 1,661 3,856 Operating lease assets 45,833 54,935 Other assets 3,357 4,844 Total assets 142,706 165,504 Current liabilities: Â Â Accounts payable 2,146 3,684 Accrued compensation 7,768 11,519 Accrued research and development expenses 6,077 17,364 Deferred revenue 116,344 77,833 Other current liabilities 23,644 31,826 Total current liabilities 155,979 142,226 Deferred revenue - long-term 470 37,562 Operating lease liabilities - long-term 35,243 45,693 Liability related to the sale of future revenues - long-term 37,584 34,623 Other long-term liabilities 3,969 4,631 Total liabilities 233,245 264,735 Commitments and contingencies (Note 8) Stockholders' equity (deficit): Â Â Common stock- \$0.0001 par value, 500,000 shares authorized as of September 30, 2024 and December 31, 2023; 5,740 and 4,258 shares issued an outstanding as of September 30, 2024 and December 31, 2023, respectively 1 0 Additional paid-in capital 1,951,298 1,870,123 Accumulated other comprehensive (loss) income 22 (204) Accumulated deficit (2,041,860) (1,969,150) Total stockholders' equity (deficit) (90,539) (99,231) Total liabilities and stockholders' equity (deficit) \$ 142,706 \$ 165,504 X - DefinitionAccrued research and development expenses current. + ReferencesNo definition available. + Details Name: atra\_AccruedResearchAndDevelopmentExpensesCurrent Namespace Prefix: atra\_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionLiability related to the sale of future royalties - long-term + ReferencesNo definition available. + Details Name: atra\_LiabilityRelatedToTheSaleOfFutureRoyaltiesLongTerm Namespace Prefix: atra\_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionCarrying value as of the balance sheet date of liabilities incurred (and for which

invoices have typically been received) and payable to vendors for goods and services received that are used in an entity's business. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Topic 210-SubTopic 10-Name Accounting Standards Codification-Section S99-Paragraph 1-Subparagraph \(SX 210.5-02\(19\)\(a\)\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1](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-S99-1)Reference 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-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/1943274/2147482790/220-10-45-14A](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-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/1943274/2147482790/220-10-45-14A)Reference 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/1943274/2147482790/220-10-45-11>Reference 3: [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/1943274/2147480016/944-40-65-2](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/1943274/2147480016/944-40-65-2)Reference 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-S99-1](http://www.xbrl.org/2003/role/disclosureRef-Topic 210-SubTopic 10-Name Accounting Standards Codification-Section S99-Paragraph 1-Subparagraph (SX 210.5-02(30)(a)(4))-Publisher FASB-URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1)Reference 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/1943274/2147480016/944-40-65-2](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)(23)(a)(3))-Publisher FASB-URI https://asc.fasb.org/1943274/2147480016/944-40-65-2)Reference 7: [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/1943274/2147482785/280-10-55-48](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-DefinitionValue received from shareholders in common stock-related transactions that are in excess of par value or stated value and amounts received from other stock-related transactions. Includes only common stock transactions (excludes preferred stock transactions). May be called contributed capital, capital in excess of par, capital surplus, or paid-in capital. + 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)(1))-Publisher FASB-URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1+Details Name: us-gaap_AdditionalPaidInCapitalCommonStock 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/1943274/2147482785/280-10-55-48)Reference 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/1943274/2147482785/280-10-55-49>Reference 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/1943274/2147482964/270-10-50-1](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/1943274/2147482964/270-10-50-1)Reference 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/1943274/2147482810/280-10-50-32](http://www.xbrl.org/2003/role/disclosureRef-Topic 280-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 32-Subparagraph (ee)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482810/280-10-50-32)Reference 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/1943274/2147482810/280-10-50-32](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/1943274/2147482810/280-10-50-32)Reference 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/1943274/2147482810/280-10-50-22>Reference 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/1943274/2147481203/810-10-50-3](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/1943274/2147481203/810-10-50-3)Reference 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/1943274/2147481231/810-10-45-25](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/1943274/2147481231/810-10-45-25)Reference 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-S99-1](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-S99-1)Reference 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/1943274/2147481687/323-10-50-3](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/1943274/2147481687/323-10-50-3)Reference 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/1943274/2147482907/825-10-50-28](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/1943274/2147482907/825-10-50-28)Reference 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/1943274/2147481372/852-10-55-10>Reference 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/1943274/2147479168/946-830-55-12>Reference 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-S99-1](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)(12))-Publisher FASB-URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1)Reference 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-S99-1](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-S99-1)Reference 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-S99-1](http://www.xbrl.org/2003/role/disclosureRef-Topic 210-SubTopic 10-Name Accounting Standards Codification-Section S99-Paragraph 1-Subparagraph (SX 210.5-02(18))-Publisher FASB-URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1)Reference 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-S99-1A](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-S99-1A)Reference 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-S99-1A](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-S99-1A)Reference 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-S99-1A](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-S99-1A)Reference 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-S99-1A](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-S99-1A)Reference 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-S99-1A](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-S99-1A)Reference 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-S99-1A](http://www.xbrl.org/2003/role/disclosureRef-Topic 470-SubTopic 10-Name Accounting Standards Codification-Section S99-Paragraph 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Codification-Section 50-Paragraph 7-Subparagraph (a)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481404/852-10-50-7)Reference 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/1943274/2147482810/280-10-50-30](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/1943274/2147482810/280-10-50-30)Reference 30: [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/1943274/2147481203/810-10-50-3](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/1943274/2147481203/810-10-50-3)Reference 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/1943274/2147481231/810-10-45-25](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/1943274/2147481231/810-10-45-25)Reference 3: 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Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation. + 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-S99-1)Reference 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/1943274/2147483467/210-10-45-1](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/1943274/2147483467/210-10-45-1)Reference 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\(25\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1](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-S99-1)Reference 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-S99-1](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)(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1)Reference 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/1943274/2147481372/852-10-55-10](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-S99-1)Reference 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](http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1 + Details Name: us-gaap CommonStockValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of obligation to transfer good or service to customer for which consideration has been received or is receivable, classified as noncurrent. + 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/1943274/2147479837/606-10-45-1)Reference 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-S99-1](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 ContractWithCustomerLiabilityNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of deferred income excluding obligation to transfer product and service to customer for which consideration has been received or is receivable, classified as current. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Name Accounting Standards Codification -Section 25 -Paragraph 2 -SubTopic 10 -Topic 470 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481174/470-10-25-2 + Details Name: us-gaap DeferredIncomeCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionTotal of the carrying values as of the balance sheet date of obligations incurred through that date and payable for obligations related to services received from employees, such as accrued salaries and bonuses, payroll taxes and fringe benefits. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap EmployeeRelatedLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount after 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/1943274/2147481372/852-10-55-10</a>Reference 2: <a href=)Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SX 210.5-02\(19\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1](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)Reference 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\(26\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1](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(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1)Reference 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\(21\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1](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(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1)Reference 9: [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/1943274/2147481231/810-10-45-25](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/1943274/2147481203/810-10-50-3)Reference 11: [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-S99-1](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/1943274/2147481203/810-10-50-3)Reference 13: [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/1943274/2147482907/825-10-50-28](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/1943274/2147481687/323-10-50-3)Reference 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\(14\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1](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/1943274/2147479168/946-830-55-12)Reference 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\(a\)\(4\)\(iii\)\(A\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1A](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)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1A)Reference 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\(a\)\(4\)\(iv\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1A](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-S99-1A)

1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -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)(5)) -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 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference> 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)(iii)(A)) -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)(B)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference> 25: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference> 26: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference> 27: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference> 28: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (b) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference> 29: <http://www.xbrl.org/2003/role/exampleRef> -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (d) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482810/280-10-50-30> + Details Name: us-gaap\_LiabilitiesNamespace 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)(iii)) -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/1943274/2147478566/942-210-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\_LiabilitiesAndStockholdersEquityNamespace 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)(iii)) -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 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> 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\_LiabilitiesCurrentNamespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap\_LiabilitiesCurrentAbstractNamespace Prefix: us-gaap\_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease, classified as 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\_OperatingLeaseLiabilityNoncurrentNamespace 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\_OperatingLeaseRightOfUseAssetNamespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant 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\_OtherAssetsCurrentNamespace 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\_OtherAssetsNoncurrentNamespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of liabilities classified as other, due within one year or the normal operating cycle, if longer. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference> 2: <http://www.xbrl.org/2003/role/exampleRef> -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481372/852-10-55-10> + Details Name: us-gaap\_OtherLiabilitiesNoncurrentNamespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount after accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business to produce goods and services and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Section 50 -Paragraph 1 -SubTopic 10 -Topic 360 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482099/360-10-50-1Reference> 2: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7A -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478964/842-20-50-7AReference> 3: <http://www.xbrl.org/2003/role/exampleRef> -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference> 4: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(8)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference> 5: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 942

-SubTopic 360 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478451/942-360-50-1 + Details Name: us-gaap\_PropertyPlantAndEquipmentNet Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of cash restricted as to withdrawal or usage, classified as current. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8 + Details Name: us-gaap\_RestrictedCashCurrent Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of accumulated undistributed earnings (deficit). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)(a)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (h)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-11Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(23)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap\_RetainedEarningsAccumulatedDeficit Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of investments including trading securities, available-for-sale securities, held-to-maturity securities, and short-term investments classified as other and current. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap\_ShortTermInvestments Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(31)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 12: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 13: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 14: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 4.E) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480418/310-10-S99-2 + Details Name: us-gaap\_StockholdersEquity Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap\_StockholdersEquityAbstract Namespace Prefix: us-gaap\_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 9 R3.htm IDEA: XBRL DOCUMENT v3.24.3 Condensed Consolidated Balance Sheets (Parenthetical) (Unaudited) - \$ / shares Sep. 30, 2024 Dec. 31, 2023 Statement of Financial Position [Abstract] 

|                         |           |           |                                 |             |             |                             |           |           |                                  |           |           |
|-------------------------|-----------|-----------|---------------------------------|-------------|-------------|-----------------------------|-----------|-----------|----------------------------------|-----------|-----------|
| Common stock, par value | \$ 0.0001 | \$ 0.0001 | Common stock, shares authorized | 500,000,000 | 500,000,000 | Common stock, shares issued | 5,740,000 | 4,258,000 | Common stock, shares outstanding | 5,740,000 | 4,258,000 |
|-------------------------|-----------|-----------|---------------------------------|-------------|-------------|-----------------------------|-----------|-----------|----------------------------------|-----------|-----------|

 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 - ReferencesNo definition available. + Details Name: us-gaap\_StatementOfFinancialPositionAbstract Namespace Prefix: us-gaap\_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 10 R4.htm IDEA: XBRL DOCUMENT v3.24.3 Condensed Consolidated Statements of Operations and Comprehensive Income (Loss) (Unaudited) - USD (\$) shares in Thousands, \$ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Income Statement [Abstract] 

|                                                         |           |           |            |            |                                           |             |             |             |              |                                                       |           |           |            |            |
|---------------------------------------------------------|-----------|-----------|------------|------------|-------------------------------------------|-------------|-------------|-------------|--------------|-------------------------------------------------------|-----------|-----------|------------|------------|
| Commercialization revenue                               | \$ 40,190 | \$ 2,020  | \$ 96,187  | \$ 3,697   | License and collaboration revenue         | 0           | 118         | 0           | 624          | Total revenue                                         | 40,190    | 2,138     | 96,187     | 4,321      |
| Costs and operating expenses:                           |           |           |            |            | Cost of commercialization revenue         | 7,602       | 2,615       | 14,214      | 5,726        | Research and development expenses                     | 43,924    | 56,888    | 122,762    | 175,185    |
| General and administrative expenses                     | 10,421    | 12,247    | 30,446     | 39,454     | Total costs and operating expenses        | 61,947      | 71,750      | 167,422     | 220,365      | Loss from operations                                  | (21,757)  | (69,612)  | (71,235)   | (216,044)  |
| Other income (expense), net:                            |           |           |            |            | Interest income                           | 459         | 1,218       | 1,513       | 4,715        | Interest expense                                      | (1,183)   | (1,395)   | (3,598)    | (4,109)    |
| Other income (expense), net                             | 555       | (27)      | 617        | (234)      | Total other income (expense), net         | (169)       | (204)       | (1,468)     | 372          | Loss before provision for (benefit from) income taxes | (21,926)  | (69,816)  | (72,703)   | (215,672)  |
| Provision for (benefit from) income taxes               | (17)      | (19)      | 7          | 4          | Net income (loss)                         | (21,909)    | (69,797)    | (72,710)    | (215,676)    | Other comprehensive gain (loss):                      |           |           |            |            |
| Unrealized gain (loss) on available-for-sale securities | 36        | 362       | 226        | 1,496      | Comprehensive income (loss)               | \$ (21,873) | \$ (69,435) | \$ (72,484) | \$ (214,180) | Basic net loss per common share                       | \$ (2.93) | \$ (16.4) | \$ (11.34) | \$ (51.27) |
| Diluted net loss per common share                       | \$ (2.93) | \$ (16.4) | \$ (11.34) | \$ (51.27) | Basic weighted-average shares outstanding | 7,466       | 4,256       | 6,414       | 4,207        | Diluted weighted-average shares outstanding           | 7,466     | 4,256     | 6,414      | 4,207      |

 X - DefinitionCommercialization Revenue + ReferencesNo definition available. + Details Name: atra\_CommercializationRevenue Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionCost of Commercialization Revenue + ReferencesNo definition available. + Details Name: atra\_CostOfCommercializationRevenue Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type:

duration X - DefinitionLicense and collaboration revenue. + ReferencesNo definition available. + Details Name: atra\_LicenseAndCollaborationRevenue Namespace Prefix: atra\_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionTotal other income (expense), net + ReferencesNo definition available. + Details Name: atra\_TotalOtherIncomeExpenseNet Namespace Prefix: atra\_Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount after tax of increase (decrease) in equity from transactions and other events and circumstances from net income and other comprehensive income, attributable to parent entity. Excludes changes in equity resulting from investments by owners and distributions to owners. + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph \(SX 210.5-03\(24\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2](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-S99-2)Reference 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-S99-1](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-S99-1)Reference 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-S99-1](http://www.xbrl.org/2003/role/disclosureRef-Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1)Reference 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/1943274/2147482790/220-10-45-1A](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/1943274/2147482790/220-10-45-1A)Reference 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/1943274/2147482790/220-10-45-1B](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/1943274/2147482790/220-10-45-1B)Reference 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-S99-1](http://www.xbrl.org/2003/role/disclosureRef-Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1)Reference 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](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) + Details Name: us-gaap\_ComprehensiveIncomeNetOfTax Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: credit 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](http://fasb.org/us-gaap/role/ref/legacyRef-Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2) + Details Name: us-gaap\_CostsAndExpenses Namespace Prefix: us-gaap\_Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe amount of net income (loss) for the period per each share of common stock or unit outstanding during the reporting period. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef-Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6>Reference 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/1943274/2147482635/260-10-55-52>Reference 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/1943274/2147476176/805-60-65-1](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/1943274/2147476176/805-60-65-1)Reference 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/1943274/2147478666/740-323-65-2](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/1943274/2147478666/740-323-65-2)Reference 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/1943274/2147483443/250-10-50-3>Reference 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/1943274/2147482635/260-10-55-15>Reference 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/1943274/2147480175/815-40-65-1](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/1943274/2147480175/815-40-65-1)Reference 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/1943274/2147480175/815-40-65-1](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/1943274/2147480175/815-40-65-1)Reference 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/1943274/2147483443/250-10-50-11](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/1943274/2147483443/250-10-50-11)Reference 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/1943274/2147483443/250-10-50-11](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/1943274/2147483443/250-10-50-11)Reference 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/1943274/2147483443/250-10-50-7](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/1943274/2147483443/250-10-50-7)Reference 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/1943274/2147482689/260-10-45-2>Reference 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/1943274/2147482689/260-10-45-60B](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/1943274/2147482689/260-10-45-60B)Reference 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/1943274/2147483443/250-10-50-4>Reference 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/1943274/2147482662/260-10-50-1](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/1943274/2147482662/260-10-50-1)Reference 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/1943274/2147482689/260-10-45-10>Reference 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-S99-2](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-S99-2)Reference 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-S99-1](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-S99-1)Reference 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-S99-1](http://www.xbrl.org/2003/role/disclosureRef-Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1)Reference 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](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) + Details Name: us-gaap\_EarningsPerShareBasic Namespace Prefix: us-gaap\_Data Type: dtr-types:perShareItem 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/1943274/2147483443/250-10-50-6>Reference 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/1943274/2147482635/260-10-55-52>Reference 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/1943274/2147476176/805-60-65-1](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/1943274/2147476176/805-60-65-1)Reference 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/1943274/2147478666/740-323-65-2](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/1943274/2147478666/740-323-65-2)Reference 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/1943274/2147483443/250-10-50-3>Reference 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/1943274/2147482635/260-10-55-15>Reference 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/1943274/2147480175/815-40-65-1](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/1943274/2147480175/815-40-65-1)Reference 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/1943274/2147480175/815-40-65-1](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/1943274/2147480175/815-40-65-1)Reference 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 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https://asc.fasb.org/1943274/2147483443/250-10-50-7](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/1943274/2147483443/250-10-50-7)Reference 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/1943274/2147482689/260-10-45-2>Reference 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/1943274/2147482689/260-10-45-60B](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/1943274/2147482689/260-10-45-60B)Reference 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/1943274/2147483443/250-10-50-4>Reference 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/1943274/2147482662/260-10-50-1](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/1943274/2147482662/260-10-50-1)Reference 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-S99-2](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-S99-2)Reference 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-S99-1](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-S99-1)Reference 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-S99-1](http://www.xbrl.org/2003/role/disclosureRef-Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1)Reference 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](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) + Details Name: us-gaap\_EarningsPerShareDiluted Namespace Prefix: us-gaap\_Data Type: dtr-types:perShareItem 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-S99-2](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(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2)Reference 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](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) + 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/1943274/2147482810/280-10-50-22>Reference 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/1943274/2147482785/280-10-55-48>Reference 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/1943274/2147482810/280-10-50-32](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/1943274/2147482810/280-10-50-32)Reference 4: [http://www.xbrl.org/2009/role/commonPracticeRef-Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph \(b\)](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/1943274/2147482810/280-10-50-32>Reference 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/1943274/2147482964/270-10-50-1>Reference 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/1943274/2147482810/280-10-50-32>Reference 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/1943274/2147482810/280-10-50-32>Reference 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-S99-1>Reference 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/1943274/2147482810/280-10-50-31>Reference 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-S99-1>Reference 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-S99-2>Reference 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:monetaryItem Type Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap\_IncomeStatementAbstract Namespace Prefix: us-gaap\_ Data Type: xbrli:stringItem Type 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/1943274/2147482964/270-10-50-1>Reference 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/1943274/2147482810/280-10-50-32>Reference 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/1943274/2147482685/740-10-50-12>Reference 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/1943274/2147482663/740-10-55-231>Reference 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/1943274/2147483443/250-10-50-9>Reference 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-S99-1>Reference 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/1943274/2147483443/250-10-50-8>Reference 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/1943274/2147482685/740-10-50-10>Reference 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/1943274/2147482810/280-10-50-22>Reference 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-S99-1>Reference 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/1943274/2147482659/740-20-45-2>Reference 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:monetaryItem Type Balance Type: debit Period Type: duration X - DefinitionAmount of interest expense classified as operating and nonoperating. Includes, but is not limited to, cost of borrowing accounted for as interest expense. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (d) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482810/280-10-50-22>Reference 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/1943274/2147482785/280-10-55-48>Reference 3: <http://www.xbrl.org/2003/role/exampleRef> -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482785/280-10-55-49>Reference 4: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482964/270-10-50-1>Reference 5: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482810/280-10-50-32>Reference 6: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 24 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482810/280-10-50-24>Reference 7: <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/1943274/2147482810/280-10-50-22>Reference 8: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 835 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483013/835-20-50-1> + Details Name: us-gaap\_InterestExpense Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItem Type Balance Type: debit Period Type: duration X - DefinitionAmount of operating interest income, including, but not limited to, amortization and accretion of premiums and discounts on securities. + ReferencesReference 1: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(1)(e)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483621/220-10-S99-2>Reference 2: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (c) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482810/280-10-50-22>Reference 3: <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/1943274/2147482785/280-10-55-48>Reference 4: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 320 -Name Accounting Standards Codification -Section S99 -Paragraph 6 -Subparagraph (SX 210.12-14(Column E)(1)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147477271/946-320-S99-6>Reference 5: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 320 -Name Accounting Standards Codification -Section S99 -Paragraph 6 -Subparagraph (SX 210.12-14(Column E)(Footnote 4)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147477271/946-320-S99-6>Reference 6: <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/1943274/2147479168/946-830-55-10>Reference 7: <http://www.xbrl.org/2003/role/exampleRef> -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 45 -Paragraph 39 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147477346/946-830-45-39>Reference 8: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(1)(b)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479134/946-220-S99-1>Reference 9: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 946 -SubTopic 320 -Name Accounting Standards Codification -Section S99 -Paragraph 6 -Subparagraph (SX 210.12-14(Column E)(Footnote 6)(a)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147477271/946-320-S99-6> + Details Name: us-gaap\_InterestIncomeOperating Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItem Type Balance Type: credit Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483443/250-10-50-6>Reference 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/1943274/2147483443/250-10-50-9>Reference 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/1943274/2147476176/805-60-65-1>Reference 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/1943274/2147478666/740-323-65-2>Reference 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-S99-2>Reference 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-S99-1>Reference 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/1943274/2147481687/323-10-50-3>Reference 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/1943274/2147482907/825-10-50-28>Reference 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/1943274/2147482765/220-10-50-6>Reference 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/1943274/2147483443/250-10-50-3>Reference 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/1943274/2147483443/250-10-50-1>Reference 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/1943274/2147480175/815-40-65-1>Reference 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/1943274/2147483443/250-10-50-8>Reference 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/1943274/2147483443/250-10-50-11>Reference 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/1943274/2147483443/250-10-50-11>Reference 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/1943274/2147483443/250-10-50-4>Reference 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/1943274/2147479168/946-830-55-10>Reference 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/1943274/2147479105/946-220-45-7>Reference 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-S99-1>Reference 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-S99-1>Reference 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-S99-3>Reference 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-S99-1>Reference 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-S99-1>Reference 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-S99-1>Reference 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-S99-1>Reference 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-S99-1>Reference 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-S99-1>Reference 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)(B)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1>Reference 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)(iv)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-S99-1>Reference 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-S99-1>Reference 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-S99-1>Reference 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/1943274/2147482689/260-10-45-60B>Reference 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/1943274/2147483499/205-20-50-7>Reference 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/1943274/2147482740/230-10-45-28>Reference 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/1943274/2147482790/220-10-45-1A>Reference 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/1943274/2147482790/220-10-45-1B>Reference 37: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478524/942-220-S99-1> + Details Name: us-gaap\_NetIncomeLoss Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap\_OperatingExpensesAbstract Namespace Prefix: us-gaap\_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe net result for the period of deducting operating expenses from operating revenues. + ReferencesReference 1: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482810/280-10-50-22>Reference 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/1943274/2147482810/280-10-50-32>Reference 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/1943274/2147482810/280-10-50-30>Reference 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/1943274/2147482964/270-10-50-1>Reference 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/1943274/2147482810/280-10-50-32>Reference 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/1943274/2147482810/280-10-50-32>Reference 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 - ReferencesNo definition available. + Details Name: us-gaap\_OtherComprehensiveIncomeLossNetOfTaxPeriodIncreaseDecreaseAbstract Namespace Prefix: us-gaap\_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount, after tax and before adjustment, of unrealized holding gain (loss) on investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale). Excludes unrealized gain (loss) on investment in debt security measured at amortized cost (held-to-maturity) from transfer to available-for-sale. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (d) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481800/320-10-50-9>Reference 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/1943274/2147482790/220-10-45-10A>Reference 3: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482790/220-10-45-11> + Details Name: us-gaap\_OtherComprehensiveIncomeUnrealizedHoldingGainLossOnSecuritiesArisingDuringPeriodNetOfTax Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of income (expense) related to nonoperating activities, classified as other. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(9)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483621/220-10-S99-2> + Details Name: us-gaap\_OtherNonoperatingIncomeExpense Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap\_OtherNonoperatingIncomeExpenseAbstract Namespace Prefix: us-gaap\_ Data Type: xbrli:stringItemType Balance Type: na 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/1943274/2147482785/280-10-55-48>Reference 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/1943274/2147481283/985-20-50-2>Reference 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/1943274/2147482916/730-10-50-1>Reference 4: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 912 -SubTopic 730 -Name Accounting Standards Codification -Section 25 -Paragraph 1 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479532/912-730-25-1> + Details Name: us-gaap\_ResearchAndDevelopmentExpense Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount, including tax collected from customer, of revenue from satisfaction of performance obligation by transferring promised good or service to customer. Tax collected from customer is tax assessed by governmental authority that is both imposed on and concurrent with specific revenue-producing transaction, including, but not limited to, sales, use, value-added and excise. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 41 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482810/280-10-50-41>Reference 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/1943274/2147482964/270-10-50-1>Reference 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/1943274/2147482810/280-10-50-32>Reference 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/1943274/2147482810/280-10-50-32>Reference 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/1943274/2147482810/280-10-50-32>Reference 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-S99-1>Reference 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/1943274/2147479806/606-10-50-5>Reference 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/1943274/2147482810/280-10-50-30>Reference 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/1943274/2147482810/280-10-50-42>Reference 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/1943274/2147482810/280-10-50-22>Reference 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/1943274/2147482810/280-10-50-40>Reference 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/1943274/2147482810/280-10-50-22>Reference 13: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479806/606-10-50-4> + Details Name: us-gaap\_RevenueFromContractWithCustomerIncludingAssessedTax Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe 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/1943274/2147482662/260-10-50-1>Reference 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:

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, after tax and before adjustment, of unrealized holding gain (loss) on investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale). Excludes unrealized gain (loss) on investment in debt security measured at amortized cost (held-to-maturity) from transfer to available-for-sale. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-9Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10A -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-10AReference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-11 + Details Name: us-gaap\_OtherComprehensiveIncomeUnrealizedHoldingGainLossOnSecuritiesArisingDuringPeriodNetOfTax Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionNumber, after shares used to satisfy grantee's tax withholding obligation for award under share-based payment arrangement, of restricted shares issued. Excludes cash used to satisfy grantee's tax withholding obligation. + ReferencesNo definition available. + Details Name: us-gaap\_RestrictedStockSharesIssuedNetOfSharesForTaxWithholdings Namespace Prefix: us-gaap\_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionValue, after value of shares used to satisfy grantee's tax withholding obligation for award under share-based payment arrangement, of restricted shares issued. Excludes cash used to satisfy grantee's tax withholding obligation. + ReferencesNo definition available. + Details Name: us-gaap\_RestrictedStockValueSharesIssuedNetOfTaxWithholdings 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 - 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 12 R6.htm IDEA: XBRL DOCUMENT v3.24.3 Condensed Consolidated Statements of Changes in Stockholders' Equity (Parenthetical) (Unaudited) - USD (\$) \$ in Thousands 3 Months Ended Sep. 30, 2024 Mar. 31, 2024 Mar. 31, 2023 Issuance of pre-funded warrants net of offering costs \$ 220 \$ 177 Á At The Market Offering | Common Stock Á Á Stock issuance, discounts, commissions and offering costs Á \$ 168 \$ 97 X - DefinitionIssuance Of Pre Funded Warrants Net Of Offering Costs + ReferencesNo definition available. + Details Name: atra\_IssuanceOfPreFundedWarrantsNetOfOfferingCosts Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of decrease in additional paid in capital (APIC) resulting from direct costs associated with issuing stock. Includes, but is not limited to, legal and accounting fees and direct costs associated with stock issues under a shelf registration. + 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 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\_AdjustmentsToAdditionalPaidInCapitalStockIssuedIssuanceCosts Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - Details Name: us-gaap\_SubsidarySaleOfStockAxis=atra\_AtTheMarketOfferingMember 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: XML 13 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 Operating activities Á Net income (loss) \$ (72,710) \$ (215,676) Adjustments to reconcile net income (loss) to net cash used in operating activities: Á Stock-based compensation expense 21,155 35,459 Depreciation and amortization expense 3,951 3,624 Accretion of liability related to sale of future revenues 3,180 3,729 Amortization (accretion) of investment premiums (discounts) (30) (1,320) Non-cash operating lease expense 9,102 8,847 Other non-cash items, net (340) 148 Changes in operating assets and liabilities: Á Accounts receivable 32,773 40,058 Inventories (4,274) (5,005) Other current assets (3,135) 920 Other assets (254) (119) Accounts payable (1,537) (319) Accrued compensation (3,751) (3,229) Accrued research and development expenses (11,287) (1,024) Other current liabilities (10,446) 607 Deferred revenue 1,419 540 Operating lease liabilities (8,062) (9,953) Other long-term liabilities 0 142 Net cash used in operating activities (44,246) (142,571) Investing activities Á Purchases of short-term investments (19,665) (83,647) Proceeds from maturities and sales of short-term investments 25,069 198,723 Purchases of property and equipment (156) (1,179) Proceeds from sale of property and equipment 0 25 Net cash provided by (used in) investing activities 5,248 113,922 Financing activities Á Proceeds from sale of common stock and pre-funded warrants in registered direct offerings, net 50,813 0 Proceeds from issuance of common stock through ATM facilities, net 9,348 590 Proceeds from employee stock awards 113 747 Taxes paid related to net share settlement of restricted stock units 0 (94) Principal payments on finance lease obligations (657) (732) Other financing activities, net (7) (13) Net cash provided by financing activities 59,610 498 Increase (decrease) in cash, cash equivalents and restricted cash 20,612 (28,151) Cash, cash equivalents and restricted cash at beginning of period 25,987 93,088 Cash, cash equivalents and restricted cash at end of period 46,599 64,937 Non-cash investing and financing activities Á Property and equipment purchases included in accounts payable and other accrued liabilities 0 20 Accrued costs related to direct registered offering 210 0 Supplemental cash flow disclosure Á Cash paid for interest 497 332 Cash paid for income taxes \$ 24 \$ 2 X - DefinitionIncrease (decrease) in accrued research and development. + ReferencesNo definition available. + Details Name: atra\_IncreaseDecreaseInAccruedResearchAndDevelopment Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionIncrease (decrease) in operating lease liabilities. + ReferencesNo definition available. + Details Name: atra\_IncreaseDecreaseInOperatingLeaseLiabilities Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionNon cash operating lease expense. + ReferencesNo definition available. + Details Name: atra\_IncreaseDecreaseInOtherCurrentAsset Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionNon-cash Investing and Financing Activities Accrued Costs Related to Direct Registered Offering. + ReferencesNo definition available. + Details Name: atra\_NonCashInvestingAndFinancingActivitiesAccruedCostsRelatedToDirectRegisteredOffering Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionNon cash operating lease expense. + ReferencesNo definition available. + Details Name: atra\_NonCashOperatingLeaseExpense Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionOther non-cash items, net + ReferencesNo definition available. + Details Name: atra\_OtherNonCashItemsNet Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionProceeds from Sale of Common Stock and Pre-Funded Warrants in Registered Direct Offerings + ReferencesNo definition available. + Details Name: atra\_ProceedsFromSaleOfCommonStockAndPreFundedWarrantsInRegisteredDirectOfferings Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance

Type: debit Period Type: duration X - DefinitionAmount recognized for the passage of time, typically for liabilities, that have been discounted to their net present values. Excludes accretion associated with asset retirement obligations. + ReferencesReference 1: <http://www.xbrl.org/2003/role/exampleRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 35 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481639/420-10-35-4>Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-4](http://www.xbrl.org/2009/role/commonPracticeRef -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 AccretionExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap AdjustmentsToReconcileNetIncomeLossToCashProvidedByUsedInOperatingActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionFuture cash outflow to pay for purchases of fixed assets that have occurred. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-4)Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-3>Reference 3: [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/1943274/2147482913/230-10-50-8](http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-5 + Details Name: us-gaap CapitalExpendituresIncurredButNotYetPaid Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage. Excludes amount for disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8)Reference 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/1943274/2147482740/230-10-45-24>Reference 3: [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/1943274/2147482740/230-10-45-24](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 and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; excluding 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/1943274/2147482740/230-10-45-24)Reference 2: [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](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 CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseExcludingExchangeRateEffect Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap CashFlowNoncashInvestingAndFinancingActivitiesDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe current period expense charged against earnings on long-lived, physical assets not used in production, and which are not intended for resale, to allocate or recognize the cost of such assets over their useful lives; or to record the reduction in book value of an intangible asset over the benefit period of such asset; or to reflect consumption during the period of an asset that is not used in production. + 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)Reference 2: [http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph \(g\)\(1\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4](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 DepreciationAndAmortization Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash outflow for principal payment on finance lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4)Reference 2: [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/1943274/2147482913/230-10-50-2A](http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 5 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-5 + Details Name: us-gaap FinanceLeasePrincipalPayments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit 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/1943274/2147482913/230-10-50-2A)Reference 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/1943274/2147482685/740-10-50-23>Reference 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/1943274/2147482685/740-10-50-22>Reference 4: [http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 17 -Subparagraph \(d\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-17](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 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 - DefinitionThe increase (decrease) during the reporting period in the aggregate amount of obligations related to services received from employees, such as accrued salaries and bonuses, payroll taxes and fringe benefits. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap IncreaseDecreaseInEmployeeRelatedLiabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe increase (decrease) during the reporting period in the aggregate value of all inventory held by the reporting entity, associated with underlying transactions that are classified as operating activities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap IncreaseDecreaseInInventories Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of increase (decrease) in current liabilities 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 IncreaseDecreaseInOtherCurrentLiabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of increase (decrease) in noncurrent operating liabilities classified as other. + ReferencesNo definition available. + Details Name: us-gaap IncreaseDecreaseInOtherNoncurrentLiabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of increase (decrease) in operating assets classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap IncreaseDecreaseInOtherOperatingAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap IncreaseDecreaseInOtherOperatingAssetsAndLiabilitiesNetAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of cash paid for interest, excluding capitalized interest, classified as operating activity. Includes, but is not limited to, payment to settle zero-coupon bond for accreted interest of debt discount and debt instrument with insignificant coupon interest rate in relation to effective interest rate of borrowing attributable to accreted interest of debt discount. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 17 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-17)Reference 2: [http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph \(e\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-25](http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-25)Reference 3:

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 24 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482740/230-10-45-24>Reference 2: <http://www.xbrl.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/1943274/2147482740/230-10-45-24>Reference 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 - DefinitionAmount of cash outflow to satisfy grantee's tax withholding obligation for award under share-based payment arrangement. + ReferencesReference 1: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 15 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482740/230-10-45-15> + Details Name: us-gaap\_PaymentsRelatedToTaxWithholdingForShareBasedCompensation 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 outflow for securities or other assets acquired, which qualify for treatment as an investing activity and are to be liquidated, if necessary, within the current operating cycle. Includes cash flows from securities classified as trading securities that were acquired for reasons other than sale in the short-term. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 13 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482740/230-10-45-13> + Details Name: us-gaap\_PaymentsToAcquireShortTermInvestments Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe cash inflow from the additional capital contribution to the entity. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Section 45 -Paragraph 14 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482740/230-10-45-14> + Details Name: us-gaap\_ProceedsFromIssuanceOfCommonStock Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash inflow (outflow) from financing activities classified as other. + ReferencesReference 1: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 14 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482740/230-10-45-14>Reference 2: <http://www.xbrl.org/2009/role/commonPracticeRef> -Name Accounting Standards Codification -Section 45 -Paragraph 15 -SubTopic 10 -Topic 230 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482740/230-10-45-15> + Details Name: us-gaap\_ProceedsFromPaymentsForOtherFinancingActivities Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe cash inflow from sales, maturities, prepayments, calls and collections of all investments, including securities and other assets, having ready marketability and intended by management to be liquidated, if necessary, within the current operating cycle. Includes cash flows from securities classified as trading securities that were acquired for reasons other than sale in the short-term. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 12 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482740/230-10-45-12> + Details Name: us-gaap\_ProceedsFromSaleMaturityAndCollectionOfShorttermInvestments Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe cash inflow from the sale of long-lived, physical assets that are used in the normal conduct of business to produce goods and services and not intended for resale. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 12 -Subparagraph (c) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482740/230-10-45-12> + Details Name: us-gaap\_ProceedsFromSaleOfPropertyPlantAndEquipment Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe cash inflow associated with the amount received from the stock plan during the period. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef> -Name Accounting Standards Codification -Section 45 -Paragraph 14 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147482740/230-10-45-14> + Details Name: us-gaap\_ProceedsFromStockPlans Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - 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/1943274/2147483443/250-10-50-6>Reference 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/1943274/2147483443/250-10-50-9>Reference 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/1943274/2147476176/805-60-65-1>Reference 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/1943274/2147478666/740-323-65-2>Reference 5: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section 599 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480678/235-10-599-1>Reference 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/1943274/2147481687/323-10-50-3>Reference 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/1943274/2147482907/825-10-50-28>Reference 8: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483443/250-10-50-1>Reference 9: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480175/815-40-65-1>Reference 10: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147483443/250-10-50-8>Reference 11: <http://www.xbrl.org/2003/role/exampleRef> -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 11 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479168/946-830-55-11>Reference 12: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 205 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147478009/946-205-45-3>Reference 13: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479105/946-220-45-7>Reference 14: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section 599 -Paragraph 1 -Subparagraph (SX 210.7-04(16)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147477250/944-220-599-1>Reference 15: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 599 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479134/946-220-599-1>Reference 16: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 599 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147479134/946-220-599-3>Reference 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/1943274/2147481231/810-10-45-19>Reference 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/1943274/2147482765/220-10-50-6>Reference 19: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 599 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-599-1A>Reference 20: <http://www.xbrl.org/2009/role/commonPracticeRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 599 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-599-1A>Reference 21: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 599 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-599-1A>Reference 22: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 599 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-599-1A>Reference 23: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 599 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-599-1A>Reference 24: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 599 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-599-1B>Reference 25: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 599 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-599-1B>Reference 26: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 599 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-599-1B>Reference 27: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 599 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-599-1B>Reference 28: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 599 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147480097/470-10-599-1B>Reference 29: <http://www.xbrl.org/2003/role/disclosureRef> -Topic 942 -SubTopic 235 -Name Accounting Standards Codification -Section 599 -Paragraph 1 -Subparagraph (SX 210.9-05(b)(2)) -Publisher FASB -URI <https://asc.fasb.org/1943274/2147477314/942-235-599-1>Reference 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/1943274/2147483499/205-20-50-7>Reference 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/1943274/2147481175/810-10-55-4J>Reference 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/1943274/2147481175/810-10-55-4K>Reference 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/1943274/2147482790/220-10-45-1A](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/1943274/2147482790/220-10-45-1A)Reference 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/1943274/2147482790/220-10-45-1B](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/1943274/2147482790/220-10-45-1B)Reference 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/1943274/2147482740/230-10-45-2>Reference 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/1943274/2147481203/810-10-50-1A](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/1943274/2147481203/810-10-50-1A)Reference 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](http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (c)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1A) + Details Name: us-gaap\_ProfitLoss Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of noncash expense for share-based payment arrangement. + ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph \(a\) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28](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 14 R8.htm IDEA: XBRL DOCUMENT v3.24.3 Pay vs Performance Disclosure - USD (\$) in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Jun. 30, 2024 Mar. 31, 2024 Sep. 30, 2023 Jun. 30, 2023 Mar. 31, 2023 Sep. 30, 2024 Sep. 30, 2023 Pay vs Performance Disclosure - Net Income (Loss) \$ (21,909) \$ (19,049) \$ (31,752) \$ (69,797) \$ (71,108) \$ (74,771) \$ (72,710) \$ (215,676) 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/1943274/2147483443/250-10-50-6](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/1943274/2147483443/250-10-50-6)Reference 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/1943274/2147483443/250-10-50-9>Reference 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/1943274/2147476176/805-60-65-1](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/1943274/2147476176/805-60-65-1)Reference 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/1943274/2147478666/740-323-65-2](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/1943274/2147478666/740-323-65-2)Reference 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-S99-2](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(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2)Reference 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-S99-1](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-S99-1)Reference 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/1943274/2147481687/323-10-50-3](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/1943274/2147481687/323-10-50-3)Reference 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/1943274/2147482907/825-10-50-28](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/1943274/2147482907/825-10-50-28)Reference 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/1943274/2147482765/220-10-50-6>Reference 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/1943274/2147483443/250-10-50-3>Reference 11:

into a commercialization agreement (Pierre Fabre Commercialization Agreement) with Pierre Fabre Medicament (Pierre Fabre), as amended in September 2022, pursuant to which we granted to Pierre Fabre an exclusive, field-limited license to commercialize and distribute Ebvallo in Europe and select emerging markets in the Middle East, Africa, Eastern Europe and Central Asia (the Initial Territory), following regulatory approval. In October 2023, we amended and restated the Pierre Fabre Commercialization Agreement (A&R Commercialization Agreement). Pursuant to the A&R Commercialization Agreement, Pierre Fabre's exclusive rights to research, develop, manufacture, commercialize and distribute tab-cel (Ebvallo) were expanded to include all other countries in the world (Additional Territory) in addition to the Initial Territory (Initial Territory and Additional Territory together, the Territory), subject to our performance of certain obligations. See Note 5 for further information. In December 2022, we sold a portion of our right to receive royalties and certain milestones in Ebvallo under the Pierre Fabre Commercialization Agreement to HCR Molag Fund L.P. (HCRx) for a total investment amount of \$31.0 million, subject to a repayment cap between 185% and 250% of the total investment amount by HCRx. See Note 6 for further information. We have licensed rights to T-cell product candidates from Memorial Sloan Kettering Cancer Center (MSK), rights related to our next-generation CAR T programs from MSK, and rights to know-how and technology from the Council of the Queensland Institute of Medical Research (QIMR Berghofer). See Note 8 for further information. We and FUJIFILM Diosynth Biotechnologies California, Inc. (FDB) entered into a Master Services and Supply Agreement and related Statements of Work (collectively, the Fujifilm MSA), which became effective in April 2022 and could extend for up to ten years. Pursuant to the Fujifilm MSA, FDB will supply us with specified quantities of our cell therapy product candidates and any products approved by regulatory authorities, manufactured in accordance with cGMP standards. See Note 8 for further information. X - DefinitionThe entire disclosure for the business description concept. Business description describes the nature and type of organization including but not limited to organizational structure as may be applicable to holding companies, parent and subsidiary relationships, business divisions, business units, business segments, affiliates and information about significant ownership of the reporting entity. + ReferencesNo definition available. + Details Name: atra BusinessDescriptionTextBlock Namespace Prefix: atra\_Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDescription of business. + ReferencesNo definition available. + Details Name: atra\_DescriptionOfBusinessAbstract Namespace Prefix: atra\_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 17 R11.htm IDEA: XBRL DOCUMENT v3.24.3 Summary of Significant Accounting Policies 9 Months Ended Sep. 30, 2024 Accounting Policies [Abstract] Å Summary of Significant Accounting Policies 2.Summary of Significant Accounting Policies Basis of PresentationThe accompanying unaudited interim condensed consolidated financial statements include the accounts of Atara and its wholly owned subsidiaries and have been prepared in accordance with U.S. generally accepted accounting principles (U.S. GAAP) and the requirements of the Securities and Exchange Commission (SEC) for interim reporting. As permitted under those rules, certain footnotes or other financial information that are normally required by U.S. GAAP can be condensed or omitted. These unaudited interim condensed consolidated financial statements should therefore be read in conjunction with the audited consolidated financial statements and notes for the year ended December 31, 2023, included in the Company's Annual Report on Form 10-K filed with the SEC on March 28, 2024. In the opinion of management, the condensed consolidated financial statements reflect all adjustments, consisting only of normal recurring adjustments, which are necessary for a fair presentation of the Company's condensed consolidated financial statements. The results of operations for any interim period are not necessarily indicative of the results to be expected for the full year or any other future period. The condensed consolidated balance sheet as of December 31, 2023 has been derived from audited consolidated financial statements at that date but does not include all of the information required by U.S. GAAP for complete consolidated financial statements.June 2024 Reverse Stock SplitAt our annual meeting of stockholders held on June 10, 2024, the stockholders of Atara approved a proposal to authorize our Board of Directors (the Board) to amend our Amended and Restated Certificate of Incorporation to effect a reverse stock split. The Board approved the reverse stock split on June 10, 2024 and, on June 20, 2024, we effected a 1-for-25 reverse stock split of our common stock. The par value and the authorized shares of the common stock were not adjusted as a result of the reverse stock split. All equity related information including per share amounts for all periods presented in these condensed consolidated financial statements and the notes thereto have been adjusted retroactively, where applicable, to reflect the effect of this reverse stock split.Liquidity RiskWe have incurred significant operating losses since inception and have relied primarily on public and private equity financings and receipts from commercialization and license and collaboration agreements to fund our operations. As we continue to incur losses, our transition to profitability will depend on the successful development, approval and commercialization of product candidates and on the achievement of sufficient revenues to support our cost structure. We may never achieve sustained operating cash inflows or profitability. Going ConcernWe have incurred operating losses since inception and we expect that existing cash, cash equivalents and short-term investments as of September 30, 2024, will not be sufficient to fund our planned operations for at least 12 months from the date of issuance of these condensed consolidated financial statements. Although we anticipate the receipt of certain payments from the amended and restated Pierre Fabre Commercialization Agreement in 2025, such payments are contingent upon the approval of the tab-cel BLA, which is dependent upon the completion of specific development and regulatory activities by us and actions taken by third parties, and are, therefore, uncertain at this time. To alleviate the conditions that raise substantial doubt about our ability to continue as a going concern, we plan to secure additional capital, potentially through a combination of public or private security offerings; use of our ATM facility as described in Note 9; and/or strategic transactions. We may need to raise additional funding as required based on the status of our development programs and our projected cash flows. Although we have been successful in raising capital in the past, and expect to continue to raise capital as required, there is no assurance that we will be successful in obtaining sufficient funding on terms acceptable to us to fund continuing operations, if at all, or identify and enter into any strategic transactions that will provide the capital that we will require. If we are unable to obtain sufficient funding on acceptable terms, we could be forced to delay, limit, reduce or terminate preclinical studies, clinical studies or other development activities for one or more of our product candidates, which could have a material adverse effect on our business, results of operations, and financial condition. Accordingly, we have concluded that substantial doubt exists with respect to our ability to continue as a going concern for at least 12 months after the issuance of the accompanying condensed consolidated financial statements. The condensed consolidated financial statements do not include any adjustments that might result from the outcome of this uncertainty.Use of EstimatesThe preparation of financial statements in conformity with U.S. GAAP requires management to make estimates, assumptions and judgments that affect the amounts reported in the financial statements and accompanying notes. Significant estimates relied upon in preparing these financial statements include estimates related to revenue recognition, accrued research and development expenses, stock-based compensation expense, income taxes and the liability related to the sale of future revenues. Actual results could differ materially from those estimates. Recent Accounting PronouncementsWe consider the applicability and impact of any recent Accounting Standards Update (ASU) issued by the Financial Accounting Standards Board (FASB). Other than the ASUs listed below, all other ASUs were assessed and determined to be either not applicable to Atara or are expected to have minimal impact on our condensed consolidated financial statements. In November 2023, the FASB issued ASU 2023-07, Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures. The amendment requires disclosure of significant segment expenses that are regularly provided to the chief operating decision maker and included within each reported measure of segment profit or loss, an amount and description of its composition for other segment items, and interim disclosures of a reportable segment's profit or loss and assets. Additionally, all disclosure requirements under the guidance are required for public entities with a single reportable segment and are to be applied retrospectively to all periods presented. We will adopt the amendments effective for the fiscal year ending December 31, 2024, and for interim periods within fiscal years beginning January 1, 2025. The adoption of ASU 2023-07 will not have a material impact on our consolidated financial statements and will consist of the inclusion of additional disclosures related to our single reportable segment in the notes to the consolidated financial statements. The amendments in this update do not affect the recognition, measurement or financial statement presentation of expenses. In December 2023, the FASB issued ASU No. 2023-09 Income Taxes (Topic 740): Improvements to Income Tax Disclosures, which requires enhancements to certain income tax disclosures, most notably the income tax rate reconciliation and income taxes paid. We will adopt the amendments effective for the fiscal year ending December 31, 2025. We do not expect the adoption of this standard will have a material impact on our disclosures. X - ReferencesNo definition available. + Details Name: us-gaap\_AccountingPoliciesAbstract Namespace Prefix: us-gaap\_Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for all significant accounting policies of the reporting entity. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483426/235-10-50-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 235 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/235/tableOfContent + Details Name: us-gaap\_SignificantAccountingPoliciesTextBlock Namespace Prefix: us-gaap\_Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 18 R12.htm IDEA: XBRL DOCUMENT v3.24.3 Net Loss per Common Share 9 Months Ended Sep. 30, 2024 Earnings Per Share [Abstract] Å Net Loss per Common Share 3.Net Loss per Common ShareBasic net loss per common share is calculated by dividing net loss by the weighted-average number of shares of common stock and pre-funded warrants outstanding during the period, without consideration of common share equivalents. Diluted net loss per common share is computed by dividing net loss by the weighted-average number of shares of common stock, pre-funded warrants and common share equivalents outstanding for the period. The pre-funded warrants are included in the computation of basic and diluted net loss per common share as the exercise price is negligible and the pre-funded warrants are fully vested and exercisable. Common share equivalents are only included in the calculation of diluted net loss per common share when their effect is dilutive. Potential dilutive securities, which include unvested restricted stock units (RSUs), unvested performance-based RSUs and performance-based options to purchase common stock for which established performance criteria have been achieved as of the end of the respective periods, vested and unvested options to purchase common stock and shares to be issued under our employee stock purchase plan (ESPP), have been excluded from the computation of diluted net loss per common share as the effect is antidilutive. Therefore, the denominator used to calculate both basic and diluted net loss per common share is the same in all periods presented. The following table represents the potential common shares issuable pursuant to outstanding securities as of the related period end dates that were excluded from the computation of diluted net loss per common share, as their inclusion would have an antidilutive effect: Å Å Å Å Å Å Å Å As of September 30, Å Å 2024 Å Å 2023 Å Unvested RSUs Å 495,996 Å Å 338,244 Å Vested and unvested options Å 263,788 Å Å 491,521 Å ESPP share purchase rights Å 34,511 Å Å 18,942 Å Total Å 794,295 Å Å 848,707 Å 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 19 R13.htm IDEA: XBRL DOCUMENT v3.24.3 Financial Instruments 9 Months Ended Sep. 30, 2024 Financial Instruments Disclosure [Abstract] Å Financial Instruments 4.Financial InstrumentsOur financial assets are measured at fair value on a recurring basis using the following hierarchy to prioritize valuation inputs, in accordance with applicable U.S. GAAP: Level 1: Quoted prices in active markets for identical assets or liabilities that we have the ability to access. Level 2: Observable market-based inputs or unobservable inputs that are corroborated by market data such as quoted prices, interest rates and yield curves.Level 3: Inputs that are unobservable data points that are not corroborated by market data.We review

The fair value hierarchy classification on a quarterly basis. Changes in the ability to observe valuation inputs may result in a reclassification of levels of certain securities within the fair value hierarchy. We recognize transfers into and out of levels within the fair value hierarchy in the period in which the actual event or change in circumstances that caused the transfer occurs. There have been no transfers between Level 1, Level 2 and Level 3 in any periods presented.

Financial assets and liabilities are considered Level 2 when their fair values are determined using inputs that are observable in the market or can be derived principally from or corroborated by observable market data such as pricing for similar securities, recently executed transactions, cash flow models with yield curves, and benchmark securities. In addition, Level 2 financial instruments are valued using comparisons to like-kind financial instruments and models that use readily observable market data as their basis. U.S. Treasury, government agency and corporate debt obligations, commercial paper and asset-backed securities are valued primarily using market prices of comparable securities, bid/ask quotes, interest rate yields and prepayment spreads and are included in Level 2. Financial assets and liabilities are considered Level 3 when their fair values are determined using pricing models, discounted cash flow methodologies, or similar techniques, and at least one significant model assumption or input is unobservable. We have no Level 3 financial assets or liabilities. The following tables summarize the estimated fair value and related valuation input hierarchy of our available-for-sale securities as of each period end:

|                                                                                                                 | Total     | Total     | Total     | Total     | Total     | Amortized | Unrealized | Estimated | As of September 30, 2024 | Input Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Cost      | Gain      | Loss      | Fair Value | Level 1   | Level 2   | Level 3   |           |                           |           |           |           |           |           |           |           |
|-----------------------------------------------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| (in thousands)                                                                                                  | \$ 23,334 | \$ 23,334 | \$ 23,334 | \$ 23,334 | \$ 23,334 | \$ 23,334 | \$ 23,334  | \$ 23,334 | \$ 23,334                | U.S. Treasury obligations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | \$ 40,472 | \$ 24     | \$ 40,496 | \$ 40,496  | \$ 40,496 | \$ 40,496 | \$ 40,496 |           |                           |           |           |           |           |           |           |           |
| Corporate debt obligations                                                                                      | \$ 1,497  | \$ 1,497  | \$ 1,497  | \$ 1,497  | \$ 1,497  | \$ 1,497  | \$ 1,497   | \$ 1,497  | \$ 1,497                 | Commercial paper                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | \$ 495    | \$ 495    | \$ 495    | \$ 495     | \$ 495    | \$ 495    | \$ 495    |           |                           |           |           |           |           |           |           |           |
| Total available-for-sale securities                                                                             | \$ 65,798 | \$ 65,798 | \$ 65,798 | \$ 65,798 | \$ 65,798 | \$ 65,798 | \$ 65,798  | \$ 65,798 | \$ 65,798                | Less: amounts classified as cash equivalents                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | \$ 20,721 | \$ 17     | \$ 20,736 | \$ 20,736  | \$ 20,736 | \$ 20,736 | \$ 20,736 |           |                           |           |           |           |           |           |           |           |
| Amounts classified as short-term investments                                                                    | \$ 20,721 | \$ 20,721 | \$ 20,721 | \$ 20,721 | \$ 20,721 | \$ 20,721 | \$ 20,721  | \$ 20,721 | \$ 20,721                | As of December 31, 2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | \$ 14,376 | \$ 14,376 | \$ 14,376 | \$ 14,376  | \$ 14,376 | \$ 14,376 | \$ 14,376 |           |                           |           |           |           |           |           |           |           |
| U.S. Treasury obligations                                                                                       | \$ 9,928  | \$ 9,928  | \$ 9,928  | \$ 9,928  | \$ 9,928  | \$ 9,928  | \$ 9,928   | \$ 9,928  | \$ 9,928                 | Corporate debt obligations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | \$ 26,089 | \$ 26,089 | \$ 26,089 | \$ 26,089  | \$ 26,089 | \$ 26,089 | \$ 26,089 |           |                           |           |           |           |           |           |           |           |
| Total available-for-sale securities                                                                             | \$ 50,393 | \$ 50,393 | \$ 50,393 | \$ 50,393 | \$ 50,393 | \$ 50,393 | \$ 50,393  | \$ 50,393 | \$ 50,393                | Less: amounts classified as cash equivalents                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | \$ 24,304 | \$ 24,304 | \$ 24,304 | \$ 24,304  | \$ 24,304 | \$ 24,304 | \$ 24,304 |           |                           |           |           |           |           |           |           |           |
| Amounts classified as short-term investments                                                                    | \$ 24,304 | \$ 24,304 | \$ 24,304 | \$ 24,304 | \$ 24,304 | \$ 24,304 | \$ 24,304  | \$ 24,304 | \$ 24,304                | As of September 30, 2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | \$ 25,884 | \$ 25,884 | \$ 25,884 | \$ 25,884  | \$ 25,884 | \$ 25,884 | \$ 25,884 |           |                           |           |           |           |           |           |           |           |
| The amortized cost and fair value of our available-for-sale securities by contractual maturity were as follows: |           |           |           |           |           |           |            |           |                          | As of September 30, 2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | \$ 26,089 | \$ 26,089 | \$ 26,089 | \$ 26,089  | \$ 26,089 | \$ 26,089 | \$ 26,089 |           |                           |           |           |           |           |           |           |           |
| As of December 31, 2023                                                                                         | \$ 26,089 | \$ 26,089 | \$ 26,089 | \$ 26,089 | \$ 26,089 | \$ 26,089 | \$ 26,089  | \$ 26,089 | \$ 26,089                | As of December 31, 2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | \$ 26,089 | \$ 26,089 | \$ 26,089 | \$ 26,089  | \$ 26,089 | \$ 26,089 | \$ 26,089 |           |                           |           |           |           |           |           |           |           |
| Maturing within one year                                                                                        | \$ 65,798 | \$ 65,798 | \$ 65,798 | \$ 65,798 | \$ 65,798 | \$ 65,798 | \$ 65,798  | \$ 65,798 | \$ 65,798                | Maturing in one to five years                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | \$ 65,798 | \$ 65,798 | \$ 65,798 | \$ 65,798  | \$ 65,798 | \$ 65,798 | \$ 65,798 |           |                           |           |           |           |           |           |           |           |
| Total available-for-sale securities                                                                             | \$ 65,798 | \$ 65,798 | \$ 65,798 | \$ 65,798 | \$ 65,798 | \$ 65,798 | \$ 65,798  | \$ 65,798 | \$ 65,798                | We considered the current and expected future global economic and market conditions, including, but not limited to, the wars in Ukraine and the Middle East and increased tensions between the U.S. and China, and determined that our investments have not been significantly impacted. As of September 30, 2024, no significant facts or circumstances were present to indicate a deterioration in the creditworthiness of the issuers of the available-for-sale securities we hold, and we have no requirement or intention to sell these securities before maturity or recovery of their amortized cost basis. For all securities with a fair value less than its amortized cost basis, we determined the decline in fair value below amortized cost basis to be non-credit related and no allowance for losses has been recorded. During the three and nine months ended September 30, 2024 and 2023, we did not recognize any impairment losses on our investments. We have elected the practical expedient to exclude the applicable accrued interest from both the fair value and the amortized cost basis of our available-for-sale securities for purposes of identifying and measuring an impairment. We present accrued interest receivable related to our available-for-sale securities in other current assets, separate from short-term investments, on our condensed consolidated balance sheet. As of September 30, 2024 and December 31, 2023, accrued interest receivable was \$0.1 million and \$0.3 million, respectively. We have not written off any accrued interest receivables during the three and nine months ended September 30, 2024 and 2023. In addition, restricted cash collateralized by money market funds is a financial asset measured at fair value and is a Level 1 financial instrument under the fair value hierarchy. The following table provides a reconciliation of cash, cash equivalents and restricted cash within the condensed consolidated balance sheets that sum to the total of the same such amounts in the condensed consolidated statement of cash flows: | \$ 46,453 | \$ 46,453 | \$ 46,453 | \$ 46,453  | \$ 46,453 | \$ 46,453 | \$ 46,453 | \$ 46,453 | Cash and cash equivalents | \$ 25,841 | \$ 25,841 | \$ 25,841 | \$ 25,841 | \$ 25,841 | \$ 25,841 | \$ 25,841 |
| Restricted cash                                                                                                 | \$ 146    | \$ 146    | \$ 146    | \$ 146    | \$ 146    | \$ 146    | \$ 146     | \$ 146    | \$ 146                   | Total cash, cash equivalents and restricted cash                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | \$ 46,599 | \$ 46,599 | \$ 46,599 | \$ 46,599  | \$ 46,599 | \$ 46,599 | \$ 46,599 |           |                           |           |           |           |           |           |           |           |

X - Definitionfinancial instruments disclosure. + ReferencesNo definition available. + Details Name: atra\_FinancialInstrumentsDisclosureAbstract Namespace Prefix: atra\_Data Type: xbrl:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for financial instruments. This disclosure includes, but is not limited to, fair value measurements of short and long term marketable securities, international currencies forward contracts, and auction rate securities. Financial instruments may include hedging and non-hedging currency exchange instruments, derivatives, securitizations and securities available for sale at fair value. Also included are investment results, realized and unrealized gains and losses as well as impairments and risk management disclosures. + ReferencesNo definition available. + Details Name: us-gaap\_FinancialInstrumentsDisclosureTextBlock Namespace Prefix: us-gaap\_Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 20 R14.htm IDEA: XBRL DOCUMENT v3.24.3 Out-license Agreements 9 Months Ended Sep. 30, 2024 License Collaboration And Manufacturing Agreements [Abstract] Out-license Agreements 5.Out-license AgreementsPierre Fabre AgreementsIn October 2021, we entered into the Pierre Fabre Commercialization Agreement, pursuant to which, we granted to Pierre Fabre an exclusive, field-limited license to commercialize and distribute Ebvallo in Europe and select emerging markets in the Initial Territory following regulatory approval. In September 2022, we entered into Amendment No. 1 to the Pierre Fabre Commercialization Agreement (the PF Amendment). Under the terms of the PF Amendment, following EC approval of Ebvallo for EBV+ PTLD and subsequent filing of the Marketing Authorization Application (MAA) transfer to Pierre Fabre, we received an additional \$30 million milestone payment in exchange for, among other things, a reduction in: (i) royalties we are eligible to receive as a percentage of net sales of tab-cel (Ebvallo) in the Initial Territory, and (ii) the supply price mark up on tab-cel purchased by Pierre Fabre. Additionally, we agreed to extend the time period for provision of certain services to Pierre Fabre in the Initial Territory at our cost pursuant to the Pierre Fabre Commercialization Agreement. In December 2022, we sold a portion of our right to receive royalties and certain milestone payments related to Ebvallo in the Initial Territory under the Pierre Fabre Commercialization Agreement to HCRx for a total investment amount of \$31.0 million, subject to a repayment cap between 185% and 250% of the total investment amount by HCRx. See Note 6 for further information related to the agreement with HCRx. In October 2023, we entered into the A&R Commercialization Agreement with Pierre Fabre. Pursuant to the A&R Commercialization Agreement, Pierre Fabreâ€™s exclusive rights to research, develop, manufacture, commercialize and distribute tab-cel were expanded to include the Additional Territory in addition to

because Pierre Fabre cannot benefit from the license without the other services and vice versa, since Pierre Fabre is not capable of carrying out the manufacturing and supply and cell selection services on their own, until the transfer of the related technologies occur. Consequently, these promises represent a single performance obligation, collectively referred to as the Initial Territory Obligation.(2)the transfer of intellectual property rights in the form of a license in the Additional Territory, the manufacture and supply of tab-cel and the performance of cell-selection services, as well as the promises to transfer the related technologies, and perform certain development, safety, regulatory and information technology transition services. We concluded that the promises are not distinct because Pierre Fabre cannot benefit from the license without the other services and vice versa. Consequently, these promises represent a single performance obligation, collectively referred to as the Additional Territory Obligation.(3)performance of certain process science services, referred to as the Process Sciences Obligation.(4)the sale of certain intermediate inventory used in the production of tab-cel in existence on the Manufacturing Transition Date, referred to as the Intermediate Inventory Obligation. Determination of the Transaction PriceUnder the Pierre Fabre Commercialization Agreement, we determined that the \$45.0 million upfront payment constituted the entire consideration to be included in the transaction price at the outset of the arrangement, and the \$40.0 million in regulatory milestones achieved in December 2022 were added to the transaction price upon meeting the related milestone criteria. The remaining potential regulatory and commercial milestone payments that we are eligible to receive were excluded from the transaction price, as the milestone amounts were fully constrained based on the probability of achievement or have not been earned. None of the future royalty and sales-based milestone payments were included in the transaction price, as the potential payments represent sales-based consideration. We reevaluate the transaction price at the end of each reporting period and as uncertain events are resolved or other changes in circumstances occur, and, as necessary, we adjust our estimate of the transaction price. Upon the effective date of the A&R Commercialization Agreement, the \$20.0 million additional upfront payment received and estimated revenue for the development, safety, regulatory and process science services were added to the transaction price, and the \$20.0 million regulatory milestone achieved in March 2024 and the \$20.0 million regulatory milestone achieved in July 2024 were added to the transaction price upon meeting the related milestone criteria. The remaining potential regulatory and commercial milestone payments that we are eligible to receive were excluded from the transaction price, as the milestone amounts were fully constrained based on the probability of achievement or have not been earned. None of the future royalty and sales-based milestone payments were included in the transaction price, as the potential payments represent sales-based consideration. Allocation of the Transaction Price to Performance ObligationsThe transaction price was allocated to each performance obligation based on their relative standalone selling price. We developed the estimated standalone selling price for each of the A&R Commercialization Agreement performance obligations with the objective of determining the price at which we would sell such an item if it were to be sold regularly on a standalone basis. Recognition of RevenueCommercialization revenue associated with the Initial Territory Obligation is recognized over the period during which the material right exists, which would end upon the Manufacturing Transition Date. Based on these considerations and our forecast of the timing and associated costs of the purchases related to the manufacture and supply of Ebvallo and estimated timing of technology transfer, we estimate the material right in the Initial Territory will exist for approximately one year. We reassess this evaluation each reporting period. Commercialization revenue associated with sales of Ebvallo and intermediate inventory to Pierre Fabre is deferred until we have performed the associated manufacturing of finished Ebvallo product inventory and cell selection services, or once manufacturing and cell selection technology transfers to Pierre Fabre have been completed. At that point, Pierre Fabre would be able to utilize the inventory it had purchased from us on its own. Commercialization revenue associated with the Additional Territory Obligation and the Process Sciences Obligation is recognized using a cost-based input method based on the amount of actual costs incurred relative to the total budgeted costs expected to be incurred for the respective performance obligations. A cost-based input method of revenue recognition requires us to make estimates of costs to complete our performance obligation. In making such estimates, significant judgment is required to evaluate assumptions related to cost estimates. The cumulative effect of revisions to estimated costs to complete our performance obligation will be recorded in the period in which changes are identified and amounts can be reasonably estimated. We expect to recognize the remaining deferred revenue associated with the Additional Territory Obligation and the Process Sciences Obligation over a period of approximately one year and two years, respectively. We reassess this evaluation each reporting period. The transfer of control occurs over the respective time period and, in our judgment, is the best measure of progress towards satisfying the performance obligation. A significant change in these assumptions and estimates could have a material impact on the timing and amount of revenue recognized in future periods. We expect to recognize revenue associated with the Intermediate Inventory Obligation at a point in time on the Manufacturing Transition Date, which is when title and risk of loss, and thus, control, of the intermediate inventory transfers to Pierre Fabre. Deferred revenue activity related to commercialization revenue for the nine months ended September 30, 2024 was as follows: \$ (in thousands) Deferred revenue, January 1, 2024 \$ 115,395 Additions \$ 94,520 Recognized into commercialization revenue \$ (93,101 ) Deferred revenue September 30, 2024 \$ 116,814 Less: deferred revenue "current portion" \$ (116,344 ) Deferred revenue "long-term, September 30, 2024 \$ 470 \$ During the nine months ended September 30, 2024, we recognized 31.4 million of revenue that was included in the deferred revenue balance as of December 31, 2023. During the three and nine months ended September 30, 2024, we recognized revenue of \$8.8 million related to performance obligations partially satisfied in prior periods related to changes in the transaction price upon achievement of development milestones. Costs incurred relating to performing the services within the Additional Territory Obligation and Process Sciences Obligation consist of third party expenses and for time incurred by our employees to satisfy requirements set forth by the A&R Commercialization Agreement. These costs are included in research and development expenses in the condensed consolidated statements of operations and comprehensive income (loss) during the three and nine months ended September 30, 2024. Such costs were \$11.1 million and \$33.8 million for the three and nine months ended September 30, 2024, respectively. X - DefinitionLicense, collaboration and manufacturing agreements. + ReferencesNo definition available. + Details Name: atra\_LicenseCollaborationAndManufacturingAgreementsAbstract Namespace Prefix: atra\_Data Type: xbrl:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for collaborative arrangements in which the entity is a participant, including a) information about the nature and purpose of such arrangements; b) its rights and obligations thereunder; c) the accounting policy for collaborative arrangements; and d) the income statement classification and amounts attributable to transactions arising from the collaborative arrangement between participants. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef-Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -SubTopic 10 -Topic 808 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479402/808-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef-Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -SubTopic 10 -Topic 808 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479402/808-10-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef-Name Accounting Standards Codification -Topic 808 -Publisher FASB -URI https://asc.fasb.org/808/tableOfContent + Details Name: us-gaap\_CollaborativeArrangementDisclosureTextBlock Namespace Prefix: us-gaap\_Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 21 R15.htm IDEA: XBRL DOCUMENT v3.24.3 Liability Related to the Sale of Future Revenues 9 Months Ended Sep. 30, 2024 Liability for Future Policy Benefit, after Reinsurance [Abstract] Liability Related to the Sale of Future Revenues 6.Liability Related to the Sale of Future RevenuesIn December 2022, we entered into a Purchase and Sale Agreement (the HCRx Agreement) with HCR Molag Fund, L.P., a Delaware limited partnership, (HCRx). In exchange for a payment of \$31.0 million (the Investment Amount) to Atara, net of certain transaction expenses, HCRx obtained the right to receive certain Ebvallo royalties and milestone payments payable by Pierre Fabre under the Pierre Fabre Commercialization Agreement up to an agreed upon multiple of the Investment Amount. Under the HCRx Agreement, HCRx is entitled to receive tiered royalties on net sales of Ebvallo in the Initial Territory in amounts ranging from the mid-single digits to double digits based on annual net sales. HCRx is also entitled to certain milestone payments due to Atara from Pierre Fabre. The total royalties and milestones payable to HCRx are capped between 185% and 250% of the Investment Amount, depending upon the timing of such royalties and milestones. Upon meeting the cap amount, HCRx's right to receive royalties and milestone payments will terminate and all rights will revert to Atara. To the extent a certain milestone within the Pierre Fabre Commercialization Agreement is not achieved on or prior to June 30, 2026, we will be required to make a one-time cash payment in the amount of \$9.0 million to HCRx, and HCRx shall transfer all of its right, title and interest in this certain \$9.0 million milestone payment to Atara. This payment, if required, would be included in the calculation of aggregate payments made to HCRx. The gross proceeds of the Investment Amount of \$31.0 million were recorded as a liability related to the sale of future revenues, net of transaction costs of \$0.4 million, and will be amortized using the effective interest method over the life of the arrangement. To determine the amortization of the recorded liability, we are required to estimate the total amount of future payments to be received by HCRx. The sum of these amounts less the \$31.0 million proceeds we received will be recorded as interest expense over the life of the HCRx Agreement. We estimate the effective interest rate used to record non-cash interest expense under the HCRx Agreement based on the estimate of future payments to be received by HCRx. On September 30, 2024, the annual effective interest rate was approximately 11%. Over the life of the arrangement, the actual effective interest rate will be affected by the amount and timing of the actual and forecasted royalty and milestone payments to HCRx. At each reporting date, we will reassess our estimate of the timing and amounts of future payments made to HCRx, and prospectively adjust the effective interest rate and amortization of the liability as necessary. The following table presents the changes in the liability related to the sale of future revenues under the HCRx Agreement for the nine months ended September 30, 2024: \$ (in thousands) Liability related to sale of future revenues as of January 1, 2024 \$ 35,076 Accretion of interest expense on liability related to sale of future revenues \$ 3,180 Amortization of debt discount and debt issuance costs \$ 52 Repayment of the liability \$ (132 ) Liability related to the sale of future revenues as of September 30, 2024 \$ 38,176 Less: current portion classified within other accrued liabilities \$ (592 ) Liability related to sale of future revenues - long-term \$ 37,584 X - DefinitionLiability Related to the Sale of Future Revenues Text Block + ReferencesNo definition available. + Details Name: atra\_LiabilityRelatedToTheSaleOfFutureRevenuesTextBlock Namespace Prefix: atra\_Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap\_LiabilityForFuturePolicyBenefitAfterReinsuranceAbstract Namespace Prefix: us-gaap\_Data Type: xbrl:stringItemType Balance Type: na Period Type: duration XML 22 R16.htm IDEA: XBRL DOCUMENT v3.24.3 Restructuring 9 Months Ended Sep. 30, 2024 Restructuring and Related Activities [Abstract] Restructuring 7.RestricturingIn November 2023, we announced a strategic reduction in workforce of approximately 30%. The workforce reduction included total restructuring charges of \$6.7 million, comprised primarily of severance payments and wages for the 60-day notice period in accordance with the California Worker Adjustment and Retraining Notification (WARN) Act. In most cases, the severance payments were paid as a lump sum in January 2024. As of September 2024, there are no remaining payments for the November 2023 reduction in workforce. All of the costs were cash expenditures and represent one-time termination benefits. In January 2024, we announced a strategic reduction in workforce of approximately 25%. The workforce reduction resulted in total restructuring charges of \$5.1 million, comprised primarily of severance payments and wages for the 60-day notice period in accordance with the California WARN Act. In most cases, the severance payments were paid during the first half of 2024. Certain of the notified employees had employment agreements that provided for separation benefits in the form of salary continuation, which are being paid from February 2024 through January 2025. As of September 30, 2024, approximately \$0.2 million of further separation payments and benefits are required for the January 2024 reduction in workforce. The majority of the associated costs are cash expenditures and primarily represent one-time termination benefits. The following is a summary of restructuring charges associated with the reductions in force for the periods presented: \$ Three Months Ended September 30, \$ Nine Months Ended September 30, \$ 2024 \$ 2023 \$ 2024 \$ 2023 \$ (in thousands) \$ (in thousands) Research and development expense \$ \$ \$ \$ \$ 3,750 \$ \$ General and administrative expense \$ \$ \$ \$ \$ 1,357 \$ \$ 45 Total restructuring charges \$ \$ \$ \$ \$ 5,107 \$ \$ 45 The following restructuring liability activity was recorded in connection with the reductions in force for the nine months ended September 30, 2024: \$ (in thousands) Liability balance, January 1, 2024 \$ 4,923 Restructuring charges \$ 5,107 Cash payments \$ (9,157 ) Non-cash settlements/adjustments

Â (666 ) Liability balance, September 30, 2024 Â \$ 207 Â The liability balance as of September 30, 2024 and December 31, 2023 is recorded within other current liabilities on the accompanying condensed consolidated balance sheet. X - ReferencesNo definition available. + Details Name: us-gaap\_RestructuringAndRelatedActivitiesAbstract Namespace Prefix: us-gaap\_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for restructuring and related activities. Description of restructuring activities such as exit and disposal activities, include facts and circumstances leading to the plan, the expected plan completion date, the major types of costs associated with the plan activities, total expected costs, the accrual balance at the end of the period, and the periods over which the remaining accrual will be settled. + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph \(SAB Topic 5.P.4.e\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-2](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.e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-2)Reference 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](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)Reference 3: [http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph \(a\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1](http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1)Reference 4: [http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/420/tableOfContentReference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph \(e\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1](http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/420/tableOfContentReference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1) + Details Name: us-gaap\_RestructuringAndRelatedActivitiesDisclosureTextBlock Namespace Prefix: us-gaap\_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 23 R17.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 8.Commitments and ContingenciesMSK In-license AgreementsIn June 2015, we entered into an exclusive license agreement with MSK for three clinical stage T-cell therapies. We are required to make payments to MSK based on achievement of specified regulatory and sales-related milestones, as well as mid-single-digit percentage tiered royalty payments based on future sales of products resulting from the development of the licensed product candidates, if any. In addition, under certain circumstances, we are required to make certain minimum annual royalty payments to MSK, which are creditable against earned royalties owed for the same annual period. We are also required to pay a low double-digit percentage of any consideration we receive for sublicensing the licensed rights. The license agreement expires on a product-by-product and country-by-country basis on the latest of: (i) expiration of the last licensed patent rights related to each licensed product, (ii) expiration of any market exclusivity period granted by law with respect to each licensed product, and (iii) a specified number of years after the first commercial sale of the licensed product in each country. Upon expiration of the license agreement, we will retain non-exclusive rights to the licensed products. In May and December 2018, we licensed additional technology from MSK. We are obligated to make additional milestone payments based on achievement of specified development, regulatory and sales-related milestones, as well as mid-single-digit percentage tiered royalty payments based on future sales of products resulting from the development of the licensed product candidates, if any. In March 2021, we amended and restated our license agreement with MSK to terminate our license to certain rights and license additional know-how rights not otherwise covered by our existing agreements. In March 2024, we terminated our license agreements with MSK to the ATA2271 and ATA3271 programs targeting mesothelin. QIMR Berghofer In-license Agreements In October 2015, we entered into an exclusive license agreement and a research and development collaboration agreement with QIMR Berghofer. Under the terms of the license agreement, we obtained an exclusive, worldwide license to develop and commercialize allogeneic T-cell therapy programs utilizing technology and know-how developed by QIMR Berghofer. In September 2016, the exclusive license agreement and research and development collaboration agreement were amended and restated. Under the amended and restated agreements, we obtained an exclusive, worldwide license to develop and commercialize additional T-cell programs, as well as the option to license additional technology that we exercised in June 2018. We further amended and restated our license agreement and research and development collaboration agreements with QIMR Berghofer in August 2019, August 2020 and December 2021, in each case, to terminate our license to certain rights. Our current license agreement also provides for various milestone and royalty payments to QIMR Berghofer based on future product sales, if any. Under the terms of our current research and development collaboration agreement, we are also required to reimburse the cost of agreed-upon development activities related to programs developed under the collaboration. These payments are expensed on a straight-line basis over the related development periods. The agreement also provides for various milestone payments to QIMR Berghofer based on achievement of certain developmental and regulatory milestones. Other In-license and Collaboration AgreementsFrom time to time, we have entered into other license and collaboration agreements with other parties. For example, we licensed rights related to our MSK-partnered next-generation CAR T programs from the National Institutes of Health in December 2018. Milestones and royalties under each of the above agreements are contingent upon future events and will be recorded as expense when the underlying milestones are achieved or royalties are earned. Sales related milestone and royalty costs related to Ebvallo are recorded in cost of commercialization revenue, whereas regulatory milestone costs are recorded in research and development expense. As of September 30, 2024 and December 31, 2023, there were no material outstanding obligations for milestones and royalties under our license and collaboration agreements. CRL Manufacturing AgreementIn December 2019, we entered into a Commercial Manufacturing Services Agreement (the CRL MSA) with Cognate BioServices, Inc., which was acquired by Charles River Laboratories Inc. (CRL) in March 2021. Pursuant to the CRL MSA, CRL provides manufacturing services for our product and certain of our product candidates. The CRL MSA expired on August 31, 2024. We are currently in negotiations with CRL for an amendment to further extend the term of the CRL MSA and for a new commercial drug product supply agreement. However, there can be no assurance that we will be able to further extend the CRL MSA or enter into a new commercial drug product supply agreement with CRL on terms favorable or acceptable to us, or at all. If we are unable to enter into a new commercial drug product supply agreement or extend the CRL MSA, we may need to identify alternative sources of drug product supply. Fujifilm Master Services and Supply AgreementIn January 2022, we entered into the Fujifilm MSA, which became effective upon the closing of the sale of the ATOM Facility on April 4, 2022 and could extend for up to ten years. Pursuant to the Fujifilm MSA, FDB will supply us with specified quantities of our cell therapy products and product candidates, manufactured in accordance with cGMP standards. We have certain non-cancellable minimum commitments to purchase products and services over the first five years of the Fujifilm MSA. The Fujifilm MSA does not obligate us to purchase products and product candidates exclusively from FDB. Other Research, Development and Manufacturing Agreements We may enter into other contracts in the normal course of business with clinical research organizations for clinical trials, with CMOs for product, product candidates and clinical supplies, and with other vendors for preclinical studies, supplies and other services for our operating purposes. These contracts generally provide for termination on notice. As of September 30, 2024 and December 31, 2023, there were no material amounts accrued related to contract termination charges. Minimum CommitmentsWe have non-cancellable minimum commitments for products and services, subject to agreements with a term of greater than one year with clinical research organizations and CMOs. We have incurred \$3.0 million and \$9.7 million against the minimum commitments for the three and nine months ended September 30, 2024, respectively, and we incurred \$2.8 million and \$16.1 million against the minimum commitments for the three and nine months ended September 30, 2023, respectively. As of September 30, 2024, and December 31, 2023, we have accrued \$3.2 million and \$11.2 million, respectively, in research and development expenses related to minimum purchase commitments. Indemnification Agreements In the normal course of business, we enter into contracts and agreements that contain a variety of representations and warranties and provide for indemnification for certain liabilities. The exposure under these agreements is unknown because it involves claims that may be made against us in the future but have not yet been made. To date, we have not paid any claims or been required to defend any action related to our indemnification obligations. However, we may record charges in the future as a result of these indemnification obligations. We also have indemnification obligations to our directors and executive officers for specified events or occurrences, subject to some limits, while they are serving at our request in such capacities. There have been no claims to date, and we consider the fair value of these indemnification agreements to be minimal. Accordingly, we did not record liabilities for these agreements as of September 30, 2024 and December 31, 2023. ContingenciesFrom time to time, we may be involved in legal proceedings, as well as demands, claims and threatened litigation, which arise in the normal course of our business or otherwise. The ultimate outcome of any litigation is uncertain and unfavorable outcomes could have a negative impact on our results of operations and financial condition. Regardless of outcome, litigation can have an adverse impact on us because of the defense costs, diversion of management resources and other factors. We are not currently involved in any material legal proceedings. During the third quarter of 2024, MSK sent us a notice alleging that under the terms of our license agreements with MSK, MSK is entitled to \$6.0 million of sub-licensing fees as a result of the \$60.0 million we received from Pierre Fabre related to the Additional Territory upfront and milestone payments in 2024 pursuant to the A&R Commercialization Agreement. We do not believe we owe the \$6.0 million to MSK under the terms of our license agreements with MSK and plan to enter into evaluative non-binding mediation with MSK to potentially resolve this disagreement. We paid the \$6.0 million to MSK under protest in the third quarter of 2024 in order to proceed with the dispute process per the terms of the license agreements. We recorded this cost in research and development expenses on the condensed consolidated statements of operations and comprehensive income (loss) during the three and nine months ended September 30, 2024. There is no guarantee we will reach a favorable outcome in the mediation or on this matter and we may owe a portion of future milestones we receive from Pierre Fabre to MSK. 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/1943274/2147482648/440-10-50-4](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/1943274/2147482648/440-10-50-4)Reference 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/1943274/2147478522/954-440-50-1](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/1943274/2147478522/954-440-50-1)Reference 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/1943274/2147482648/440-10-50-4](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/1943274/2147482648/440-10-50-4)Reference 6:

Maximum Ownership Percentage to any other percentage not to exceed 99.99%. No July 2019 pre-funded warrants were exercised during the nine months ended September 30, 2024, and as of September 30, 2024, pre-funded warrants to purchase 101,089 shares of our common stock from the July 2019 underwritten public offering were outstanding. As part of the May 2020 underwritten public offering, we issued and sold pre-funded warrants to purchase 114,678 shares of common stock in an underwritten public offering pursuant to a shelf registration on Form S-3. Additionally, as part of the December 2020 underwritten public offering, we issued and sold pre-funded warrants to purchase 81,632 shares of common stock in an underwritten public offering pursuant to a shelf registration on Form S-3. These warrants were recorded as a component of stockholders' equity (deficit) within additional paid-in capital. The terms of the pre-funded warrants issued and sold as part of the 2020 public offerings were similar to those issued and sold in 2019. No May 2020 or December 2020 pre-funded warrants were exercised during the nine months ended September 30, 2024. As of September 30, 2024, 38,735 and 55,387 of the pre-funded warrants to purchase shares of our common stock issued and sold as part of the May 2020 and December 2020 underwritten public offerings, respectively, were outstanding. In January 2024, we issued and sold pre-funded warrants to purchase 1,090,907 shares of common stock at a price of \$13.7475 per warrant in a registered direct offering pursuant to a shelf registration on Form S-3. The gross proceeds from this sale were \$15.0 million, resulting in net proceeds of \$14.8 million after deducting offering expenses payable by us. Each of the January 2024 pre-funded warrants issued entitles the holder to purchase one share of common stock at an exercise price of \$0.0025 per share, with no expiration date. These warrants were recorded as a component of stockholders' equity (deficit) within additional paid-in capital. Per the terms of the warrant agreement, a holder of the outstanding warrants is not entitled to exercise any portion of any pre-funded warrant if, upon exercise of the warrant, the holder's ownership (together with its affiliates) of our common stock or combined voting power of our securities beneficially owned by such holder (together with its affiliates) would exceed 9.99% after giving effect to the exercise (the January 2024 Warrant Maximum Ownership Percentage). Upon at least 61 days' prior notice to us by the holder, any holder may increase or decrease the January 2024 Warrant Maximum Ownership Percentage to any other percentage not to exceed 19.99%. In September 2024, we issued and sold 758,900 shares of common stock at an offering price of \$8.25 per share and pre-funded warrants to purchase 3,604,780 shares of common stock at an offering price of \$8.2499 per warrant in a registered direct offering pursuant to a shelf registration on Form S-3. The gross proceeds from this sale were \$36.0 million, resulting in net proceeds of \$35.8 million after deducting estimated offering expenses payable by us. Each of the September 2024 pre-funded warrants issued entitles the holder to purchase one share of common stock at an exercise price of \$0.0001 per share, with no expiration date. These warrants were recorded as a component of stockholders' equity (deficit) within additional paid-in capital. Per the terms of the warrant agreement, a holder of the outstanding warrants is not entitled to exercise any portion of any pre-funded warrant if, upon exercise of the warrant, the holder's ownership (together with its affiliates) of our common stock or combined voting power of our securities beneficially owned by such holder (together with its affiliates) would exceed, at the holder's election, 4.99%, 9.99% or 19.99% after giving effect to the exercise (the September 2024 Warrant Maximum Ownership Percentage). Upon at least 61 days' prior notice to us by the holder, any holder may increase or decrease the September 2024 Warrant Maximum Ownership Percentage to any other percentage not to exceed 19.99%. No January 2024 or September 2024 pre-funded warrants were exercised during the nine months ended September 30, 2024 and all 1,090,907 of the January 2024 pre-funded warrants and all 3,604,780 of the September 2024 pre-funded warrants remain outstanding as of September 30, 2024.

**ATM Facilities**In the past three years, we have entered into two separate sales agreements with Cowen and Company, LLC (Cowen): in November 2021 (the 2021 ATM Facility) and in November 2023 (the 2023 ATM Facility). Each ATM facility provides or provided for the sale, in our sole discretion, of shares of our common stock having an aggregate offering price of up to \$100.0 million, through Cowen, as our sales agent. We filed a registration statement on Form S-3 registering the offer and sale of these shares under the Securities Act (the 2023 Registration Statement). Upon the effectiveness of the 2023 Registration Statement, the 2021 ATM Facility was terminated, and no further sales can be made under the 2021 ATM Facility. The issuance and sale of these shares by us pursuant to the ATM facilities are deemed "at the market" offerings defined in Rule 415 under the Securities Act of 1933, as amended (the Securities Act), and were registered under the Securities Act. Commissions of up to 3.0% are due on the gross sales proceeds of the common stock sold under each ATM facility. During the nine months ended September 30, 2023, we sold an aggregate of 5,917 shares of common stock under the 2021 ATM Facility, at an average price of \$116.00 per share, for gross proceeds of \$0.7 million and net proceeds of \$0.6 million, after deducting commissions and other offering expenses payable by us. During the nine months ended September 30, 2024, we sold an aggregate of 492,855 shares of common stock under the 2023 ATM Facility, at an average price of \$19.23 per share, for gross proceeds of \$9.5 million and net proceeds of \$9.3 million, after deducting commissions and other offering expenses payable by us. As of September 30, 2024, \$88.7 million of common stock remained available to be sold under the 2023 ATM Facility, subject to certain conditions as specified in the sales agreement.

**Equity Incentive Plans**In June 2024, we adopted the 2024 Equity Incentive Plan (the 2024 EIP), under which we may grant stock options, restricted stock awards (RSAs) and RSUs to employees, directors, consultants and other service providers. The 2014 Equity Incentive Plan, as amended (2014 EIP), expired March 31, 2024, after which no new awards can be granted from it. All awards granted prior to the 2014 EIP expiration continue to remain outstanding and governed in accordance with the rules set forth in the 2014 EIP and the terms of the associated grant notice. To the extent forfeited, cancelled or expired, certain awards granted under the 2014 EIP will become available for grant under the 2024 EIP. RSUs generally vest over two to four years. We have granted performance-based RSUs to certain of our employees that provide for the issuance of common stock if specified Company performance criteria related to tab-cel regulatory milestones are achieved. The number of performance-based RSUs that ultimately vests depends upon if and which performance criteria are achieved, as well as the employee's continuous service, as defined in the 2014 EIP and 2024 EIP, through the date of vesting. The fair value of performance-based RSUs is determined as the closing stock price on the date of grant. Stock options are granted at prices no less than 100% of the estimated fair value of the shares on the date of grant as determined by the board of directors, provided, however, that the exercise price of an option granted to a 10% shareholder cannot be less than 110% of the estimated fair value of the shares on the date of grant. Options granted generally vest over three or four years and expire in seven to ten years. We have granted performance-based stock options to certain of our employees that provide for the issuance of a right to purchase a share of common stock if specified Company performance criteria related to tab-cel regulatory milestones are achieved. The vesting of performance-based stock options depends upon if and when the performance criteria are achieved, as well as the employee's continuous service as defined in the 2014 EIP and 2024 EIP, through the date of vesting. As of September 30, 2024, a total of 695,311 shares of common stock were reserved for issuance under the 2014 EIP, of which all were subject to outstanding options and RSUs, including performance-based awards. As of September 30, 2024, a total of 343,901 shares of common stock were reserved for issuance under the 2024 EIP, of which all were available for grant. In February 2018, we adopted the 2018 Inducement Plan (the Inducement Plan), under which we may grant options, stock appreciation rights, RSAs and RSUs to new employees. In November 2020, September 2021 and June 2022 we amended the Inducement Plan to reserve an additional 60,000 shares of the Company's common stock for issuance under the Inducement Plan in each case. As of September 30, 2024, 172,819 shares of common stock were reserved for issuance under the Inducement Plan, of which 119,857 shares were available for future grant and 52,962 shares were subject to outstanding options and RSUs. In May 2014, we adopted the 2014 Employee Stock Purchase Plan (2014 ESPP), which permits eligible employees to purchase common stock at a discount through payroll deductions during defined offering periods. Following stockholder approval, in June 2024, we amended the 2014 ESPP to increase the number of shares of our common stock available for issuance under the 2014 ESPP by 40,000 shares. Restricted Stock UnitsThe following is a summary of RSU activity under our 2014 EIP and Inducement Plan:

|                                  | Plan A   | Shares    | A       | Weighted Average Grant Date Fair Value | Balance as of |
|----------------------------------|----------|-----------|---------|----------------------------------------|---------------|
| December 31, 2023                | 250,709  | \$ 158.00 | Granted | 545,490                                | \$ 13.80      |
| Forfeited                        | (57,303) | \$ 94.14  | Vested  | (221,496)                              | \$ 81.00      |
| Balance as of September 30, 2024 | 517,400  | \$ 46.01  |         |                                        |               |

As of September 30, 2024, there was \$18.7 million of unrecognized stock-based compensation expense related to RSUs that is expected to be recognized over a weighted average period of 1.5 years. This excludes unrecognized stock-based compensation expense for performance-based RSUs that were deemed not probable of vesting in accordance with U.S. GAAP.

**Stock Options**The following is a summary of stock option activity under our 2014 EIP and Inducement Plan:

|                 | Plan A                                                                                                                            | Shares                | A                          | Weighted Average Exercise Price | A                    | Weighted Average Remaining Contractual Term (Years) | A                          | Aggregate Intrinsic Value (in thousands) | Balance as of December 31, 2023   | A      | 428,786                               | A         | 290.75                           | A                                                                                         | 6.5                              | A | \$€"                            | Granted | A    | 16,500 | A    | 11.00 | A    | \$€" | A    | \$€" | A              | \$€" | A              | \$€" | A                        | \$€" | A        | \$€" | Forfeited or expired | A | (169,413) | A | 357.61    | A | \$€"                       | A | \$€"  | A | Balance as of September 30, 2024 | A | 275,873 | A | \$ 232.96 | A | 7.0                                    | A | \$€"     | A | Aggregate intrinsic value represents the difference between the closing stock price of our common stock on September 30, 2024 and the exercise price of outstanding, in-the-money options. As of September 30, 2024, there was \$7.0 million of unrecognized stock-based compensation expense related to stock options that is expected to be recognized over a weighted average period of 1.3 years. This excludes unrecognized stock-based compensation expense for performance-based stock options that were deemed not probable of vesting in accordance with U.S. GAAP. |   |           |   |           |   |                |                          |           |                                                                                                                                                                                |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------|---------------------------------|----------------------|-----------------------------------------------------|----------------------------|------------------------------------------|-----------------------------------|--------|---------------------------------------|-----------|----------------------------------|-------------------------------------------------------------------------------------------|----------------------------------|---|---------------------------------|---------|------|--------|------|-------|------|------|------|------|----------------|------|----------------|------|--------------------------|------|----------|------|----------------------|---|-----------|---|-----------|---|----------------------------|---|-------|---|----------------------------------|---|---------|---|-----------|---|----------------------------------------|---|----------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-----------|---|-----------|---|----------------|--------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reserved Shares | The following shares of common stock were reserved for future issuance under our equity incentive plans as of September 30, 2024: | Total Shares Reserved | 2014 Equity Incentive Plan | 695,311                         | 2018 Inducement Plan | 172,819                                             | 2024 Equity Incentive Plan | 343,901                                  | 2014 Employee Stock Purchase Plan | 40,190 | Total reserved shares of common stock | 1,252,221 | Stock-based Compensation Expense | The following is a summary of stock-based compensation expense for the periods presented: | Three Months Ended September 30, | A | Nine Months Ended September 30, | A       | 2024 | A      | 2023 | A     | 2024 | A    | 2023 | A    | (in thousands) | A    | (in thousands) | A    | Research and development | A    | \$ 2,877 | A    | \$ 6,758             | A | \$ 10,904 | A | \$ 20,723 | A | General and administrative | A | 3,545 | A | 4,385                            | A | 10,251  | A | 14,736    | A | Total stock-based compensation expense | A | \$ 6,422 | A | \$ 11,143                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A | \$ 21,155 | A | \$ 35,459 | A | X - References | No definition available. | + Details | Name: us-gaap_DisclosureRelatedCostsSharebasedPaymentsAbstract Namespace Prefix: us-gaap Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Definition |

The entire disclosure for equity + ReferencesReference 1:

[http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph \(g\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13](http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13)Reference 13: [http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph \(i\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13](http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13)Reference 14: [http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Subparagraph \(a\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-14](http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-14)Reference 15: [http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Subparagraph \(c\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-14](http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-14)Reference 16: [http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 16 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-16](http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 16 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-16)Reference 17: [http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph \(a\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-18](http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-18)Reference 18: [http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-18](http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-18)Reference 19: [http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph \(d\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-18](http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-18) + Details Name: us-gaap\_StockholdersEquityNoteDisclosureTextBlock Namespace Prefix: us-gaap\_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 25 R19.htm IDEA: XBRL DOCUMENT v3.24.3 Supplemental Balance Sheet Information 9 Months Ended Sep. 30, 2024 Supplemental Balance Sheet Information [Abstract] Supplemental Balance Sheet Information 10. Supplemental Balance Sheet Information Inventories Inventories consisted of the following as of each period end: 

|                                 | September 30, 2024 | December 31, 2024 | September 30, 2023 |
|---------------------------------|--------------------|-------------------|--------------------|
| In thousands                    | \$ 1,652           | \$ 2,335          | \$ 1,381           |
| Work-in-process                 | \$ 12,328          | \$ 7,371          | \$ 7,371           |
| Total inventories               | \$ 13,980          | \$ 9,706          | \$ 8,742           |
| Property and equipment, net     | \$ 19,708          | \$ 19,725         | \$ 19,725          |
| Leasehold improvements          | \$ 930             | \$ 904            | \$ 904             |
| Computer equipment and software | \$ 1,381           | \$ 1,279          | \$ 1,272           |
| Furniture and fixtures          | \$ 1,272           | \$ 1,272          | \$ 1,272           |
| Construction in progress        | \$ 158             | \$ 158            | \$ 158             |
| Property and equipment, gross   | \$ 19,708          | \$ 19,725         | \$ 19,725          |
| Less: accumulated depreciation  | \$ (18,047)        | \$ (15,869)       | \$ (15,869)        |
| Property and equipment, net     | \$ 1,661           | \$ 3,856          | \$ 3,856           |
| Depreciation expense            | \$ 0.6 million     | \$ 0.9 million    | \$ 0.9 million     |

 Other current liabilities Other current liabilities consisted of the following as of each period end: 

|                                              | September 30, 2024 | December 31, 2024 | September 30, 2023 |
|----------------------------------------------|--------------------|-------------------|--------------------|
| In thousands                                 | \$ 13,652          | \$ 11,264         | \$ 11,264          |
| Current portion of finance lease liabilities | \$ 1,006           | \$ 915            | \$ 915             |
| Other accrued liabilities                    | \$ 927             | \$ 640            | \$ 640             |
| Total other current liabilities              | \$ 23,644          | \$ 31,826         | \$ 31,826          |

 X - Definition Supplemental Balance Sheet Information [Abstract] + References No definition available. + Details Name: atra\_SupplementalBalanceSheetInformationAbstract Namespace Prefix: atra\_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Definition The entire disclosure for supplemental balance sheet disclosures, including descriptions and amounts for assets, liabilities, and equity. + References Reference 1: [http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-9](http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/210/tableOfContent + Details Name: us-gaap_SupplementalBalanceSheetDisclosuresTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 26 R20.htm IDEA: XBRL DOCUMENT v3.24.3 Summary of Significant Accounting Policies (Policies) 9 Months Ended Sep. 30, 2024 Accounting Policies [Abstract] Basis of Presentation Basis of Presentation The accompanying unaudited interim condensed consolidated financial statements include the accounts of Atara and its wholly owned subsidiaries and have been prepared in accordance with U.S. generally accepted accounting principles (U.S. GAAP) and the requirements of the Securities and Exchange Commission (SEC) for interim reporting. As permitted under those rules, certain footnotes or other financial information that are normally required by U.S. GAAP can be condensed or omitted. These unaudited interim condensed consolidated financial statements should therefore be read in conjunction with the audited consolidated financial statements and notes for the year ended December 31, 2023, included in the Company's Annual Report on Form 10-K filed with the SEC on March 28, 2024. In the opinion of management, the condensed consolidated financial statements reflect all adjustments, consisting only of normal recurring adjustments, which are necessary for a fair presentation of the Company's condensed consolidated financial statements. The results of operations for any interim period are not necessarily indicative of the results to be expected for the full year or any other future period. The condensed consolidated balance sheet as of December 31, 2023 has been derived from audited consolidated financial statements at that date but does not include all of the information required by U.S. GAAP for complete consolidated financial statements. Liquidity and Going Concern Liquidity Risk We have incurred significant operating losses since inception and have relied primarily on public and private equity financings and receipts from commercialization and license and collaboration agreements to fund our operations. As we continue to incur losses, our transition to profitability will depend on the successful development, approval and commercialization of product candidates and on the achievement of sufficient revenues to support our cost structure. We may never achieve sustained operating cash inflows or profitability. Going Concern We have incurred operating losses since inception and we expect that existing cash, cash equivalents and short-term investments as of September 30, 2024, will not be sufficient to fund our planned operations for at least 12 months from the date of issuance of these condensed consolidated financial statements. Although we anticipate the receipt of certain payments from the amended and restated Pierre Fabre Commercialization Agreement in 2025, such payments are contingent upon the approval of the tab-cel BLA, which is dependent upon the completion of specific development and regulatory activities by us and actions taken by third parties, and are, therefore, uncertain at this time. To alleviate the conditions that raise substantial doubt about our ability to continue as a going concern, we plan to secure additional capital, potentially through a combination of public or private security offerings; use of our ATM facility as described in Note 9; and/or strategic transactions. We may need to raise additional funding as required based on the status of our development programs and our projected cash flows. Although we have been successful in raising capital in the past, and expect to continue to raise capital as required, there is no assurance that we will be successful in obtaining sufficient funding on terms acceptable to us to fund continuing operations, if at all, or identify and enter into any strategic transactions that will provide the capital that we will require. If we are unable to obtain sufficient funding on acceptable terms, we could be forced to delay, limit, reduce or terminate preclinical studies, clinical studies or other development activities for one or more of our product candidates, which could have a material adverse effect on our business, results of operations, and financial condition. Accordingly, we have concluded that substantial doubt exists with respect to our ability to continue as a going concern for at least 12 months after the issuance of the accompanying condensed consolidated financial statements. The condensed consolidated financial statements do not include any adjustments that might result from the outcome of this uncertainty. Reverse Stock Split June 2024 Reverse Stock Split At our annual meeting of stockholders held on June 10, 2024, the stockholders of Atara approved a proposal to authorize our Board of Directors (the Board) to amend our Amended and Restated Certificate of Incorporation to effect a reverse stock split. The Board approved the reverse stock split on June 10, 2024 and, on June 20, 2024, we effected a 1-for-25 reverse stock split of our common stock. The par value and the authorized shares of the common stock were not adjusted as a result of the reverse stock split. All equity related information including per share amounts for all periods presented in these condensed consolidated financial statements and the notes thereto have been adjusted retroactively, where applicable, to reflect the effect of this reverse stock split. Use of Estimates Use of Estimates The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates, assumptions and judgments that affect the amounts reported in the financial statements and accompanying notes. Significant estimates relied upon in preparing these financial statements include estimates related to revenue recognition, accrued research and development expenses, stock-based compensation expense, income taxes and the liability related to the sale of future revenues. Actual results could differ materially from those estimates. Recent Accounting Pronouncements Recent Accounting Pronouncements We consider the applicability and impact of any recent Accounting Standards Update (ASU) issued by the Financial Accounting Standards Board (FASB). Other than the ASUs listed below, all other ASUs were assessed and determined to be either not applicable to Atara or are expected to have minimal impact on our condensed consolidated financial statements. In November 2023, the FASB issued ASU 2023-07, Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures. The amendment requires disclosure of significant segment expenses that are regularly provided to the chief operating decision maker and included within each reported measure of segment profit or loss, an amount and description of its composition for other segment items, and interim disclosures of a reportable segment's profit or loss and assets. Additionally, all disclosure requirements under the guidance are required for public entities with a single reportable segment and are to be applied retrospectively to all periods presented. We will adopt the amendments effective for the fiscal year ending December 31, 2024, and for interim periods within fiscal years beginning January 1, 2025. The adoption of ASU 2023-07 will not have a material impact on our consolidated financial statements and will consist of the inclusion of additional disclosures related to our single reportable segment in the notes to the consolidated financial statements. The amendments in this update do not affect the recognition, measurement or financial statement presentation of expenses. In December 2023, the FASB issued ASU No. 2023-09 Income Taxes (Topic 740): Improvements to Income Tax Disclosures, which requires enhancements to certain income tax disclosures, most notably the income tax rate reconciliation and income taxes paid. We will adopt the amendments effective for the fiscal year ending December 31, 2025. We do not expect the adoption of this standard will have a material impact on our disclosures. X - Definition Liquidity + References No definition available. + Details Name: atra_LiquidityPolicyTextBlock Namespace Prefix: atra_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - Definition Reverse Stock Split Policy Text Block + References No definition available. + Details Name: atra_ReverseStockSplitPolicyTextBlock Namespace Prefix: atra_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - References No definition available. + Details Name: us-gaap_AccountingPoliciesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Definition Disclosure of accounting policy for basis of accounting, or basis of presentation, used to prepare the financial statements (for example, US Generally Accepted Accounting Principles, Other Comprehensive Basis of Accounting, IFRS). + References No definition available. + Details Name: us-gaap_BasisOfAccountingPolicyPolicyTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - Definition Disclosure 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. + References No definition available. + Details Name: us-gaap_NewAccountingPronouncementsPolicyPolicyTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - Definition Disclosure of accounting policy for the use of estimates in the preparation of financial statements in conformity with generally accepted accounting principles. + References Reference 1: <a href=)Reference 2: <http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-4>Reference 3: [http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph \(b\) -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-1](http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-1)Reference 4: [http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph \(c\) -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-1](http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-1)Reference 5: <http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 11 -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-11>Reference 6: <http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 12 -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-12>Reference

7: <http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-8 + Details> Name: us-gaap\_ UseOfEstimated Namespace Prefix: us-gaap\_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 27 R21.htm IDEA: XBRL DOCUMENT v3.24.3 Net Loss per Common Share (Tables) 9 Months Ended Sep. 30, 2024 Earnings Per Share [Abstract] Â Antidilutive Securities Excluded From Computation of Diluted Net Loss per Common Share The following table represents the potential common shares issuable pursuant to outstanding securities as of the related period end dates that were excluded from the computation of diluted net loss per common share, as their inclusion would have an antidilutive effect: Â Â Â Â Â Â Â Â As of September 30, Â Â 2024 Â Â 2023 Â Invested RSUs Â 495,996 Â Â Â 338,244 Â Vested and unvested options Â 263,788 Â Â Â 491,521 Â ESPP share purchase rights Â 34,511 Â Â Â 18,942 Â Total Â 794,295 Â Â Â 848,707 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 securities (including those issuable pursuant to contingent stock agreements) that could potentially dilute basic earnings per share (EPS) in the future that were not included in the computation of diluted EPS because to do so would increase EPS amounts or decrease loss per share amounts for the period presented, by antidilutive securities. + ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 260 -SubTopic 10 -Section 50 -Paragraph 1 -Subparagraph \(c\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1 + Details](http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 260 -SubTopic 10 -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1 + Details) Name: us-gaap\_ ScheduleOfAntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareTextBlock Namespace Prefix: us-gaap\_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 28 R22.htm IDEA: XBRL DOCUMENT v3.24.3 Financial Instruments (Tables) 9 Months Ended Sep. 30, 2024 Financial Instruments Disclosure [Abstract] Â Summary of Estimated Fair Value and Related Valuation Input Hierarchy of Available-for-Sale Securities The following tables summarize the estimated fair value and related valuation input hierarchy of our available-for-sale securities as of each period end: Â Â Â Â Â Total Â Â Total Â Â Total Â Â Total Â Â Â Â Â Amortized Â Â Unrealized Â Â Unrealized Â Â Estimated Â As of September 30, 2024: Â Input Level Â Cost Â Â Gain Â Â Loss Â Â Fair Value Â Â Â Â Â (in thousands) Â Money market funds Â Level 1 Â \$ 23,334 Â Â \$ â€” Â Â \$ â€” Â Â Â \$ 23,334 Â U.S. Treasury obligations Â Level 2 Â \$ 40,472 Â Â Â 24 Â Â Â \$ â€” Â Â Â \$ 40,496 Â Corporate debt obligations Â Level 2 Â \$ 1,497 Â Â Â \$ â€” Â Â Â \$ (2 ) Â \$ 1,495 Â Commercial paper Â Level 2 Â \$ 495 Â Â Â \$ â€” Â Â Â \$ â€” Â Â Â \$ 495 Â Total available-for-sale securities Â Â Â Â 65,798 Â Â Â 24 Â Â Â (2 ) Â Â 65,820 Â Less: amounts classified as cash equivalents Â Â Â Â (45,077 ) Â Â (7 ) Â Â \$ â€” Â Â Â (45,084 ) Amounts classified as short-term investments Â Â Â \$ 20,721 Â Â \$ 17 Â Â \$ (2 ) Â \$ 20,736 Â Â Â Â Â Â Â Â Â Â Â Total Â Â Total Â Â Total Â Â Total Â Â Amortized Â Â Unrealized Â Â Unrealized Â Â Estimated Â As of December 31, 2023: Â Input Level Â Cost Â Â Gain Â Â Loss Â Â Fair Value Â Â Â Â Â (in thousands) Â Money market funds Â Level 1 Â \$ 14,376 Â Â \$ â€” Â Â \$ â€” Â Â Â \$ 14,376 Â U.S. Treasury obligations Â Level 2 Â \$ 9,928 Â Â Â 1 Â Â \$ â€” Â Â Â \$ 9,929 Â Corporate debt obligations Â Level 2 Â \$ 26,089 Â Â Â \$ â€” Â Â Â \$ (205 ) Â Â \$ 25,884 Â Total available-for-sale securities Â Â Â Â 50,393 Â Â Â 1 Â Â Â (205 ) Â Â 50,189 Â Less: amounts classified as cash equivalents Â Â Â Â (24,304 ) Â Â (1 ) Â Â \$ â€” Â Â Â (24,305 ) Amounts classified as short-term investments Â Â Â \$ 26,089 Â Â \$ â€” Â Â \$ (205 ) Â Â \$ 25,884 Â Amortized Cost and Fair Value of Available for Sale Securities by Contractual Maturity The amortized cost and fair value of our available-for-sale securities by contractual maturity were as follows: Â As of September 30, 2024 Â Â As of December 31, 2023 Â Â Amortized Â Â Estimated Â Â Amortized Â Â Estimated Â Â Cost Â Â Fair Value Â Â Cost Â Â Fair Value Â Â (in thousands) Â Â (in thousands) Â Maturing within one year Â \$ 65,798 Â Â \$ 65,820 Â Â \$ 50,393 Â Â \$ 50,189 Â Maturing in one to five years Â â€” Â Â Â â€” Â Â Â \$ 1,497 Â Â Â \$ 1,495 Â Total available-for-sale securities Â \$ 65,798 Â Â \$ 65,820 Â Â \$ 50,393 Â Â \$ 50,189 Â Reconciliation of Cash, Cash Equivalents and Restricted Cash The following table provides a reconciliation of cash, cash equivalents and restricted cash within the condensed consolidated balance sheets that sum to the total of the same such amounts in the condensed consolidated statement of cash flows: Â Â September 30, Â Â December 31, Â Â Â 2024 Â Â 2023 Â Â Â (in thousands) Â Cash and cash equivalents Â \$ 46,453 Â Â \$ 25,841 Â Restricted cash Â 146 Â Â 146 Â Total cash, cash equivalents and restricted cash Â \$ 46,599 Â Â \$ 25,987 Â X - Definitionfinancial instruments disclosure. + ReferencesNo definition available. + Details Name: atra\_FinancialInstrumentsDisclosureAbstract Namespace Prefix: atra\_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionSummary of estimated fair value and related valuation input hierarchy of available-for-sale securities. + ReferencesNo definition available. + Details Name: atra\_SummaryOfEstimatedFairValueAndRelatedValuationInputHierarchyOfAvailableForSaleSecuritiesTableTextBlock Namespace Prefix: atra\_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of maturities of an entity's investments as well as any other information pertinent to the investments. + ReferencesNo definition available. + Details Name: us-gaap\_ InvestmentsClassifiedByContractualMaturityDateTableTextBlock Namespace Prefix: us-gaap\_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of cash and cash equivalents restricted as to withdrawal or usage. + ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SX 210.7-03\(a\)\(2\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SX 210.9-03\(1\)\(a\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 8 -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8 + Details](http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(1)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 8 -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8 + Details) Name: us-gaap\_ ScheduleOfRestrictedCashAndCashEquivalentsTextBlock Namespace Prefix: us-gaap\_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 29 R23.htm IDEA: XBRL DOCUMENT v3.24.3 Out-license Agreements (Tables) 9 Months Ended Sep. 30, 2024 License Collaboration And Manufacturing Agreements [Abstract] Â Schedule of Deferred Revenue Activity Deferred revenue activity related to commercialization revenue for the nine months ended September 30, 2024 was as follows: Â Â Â (in thousands) Â Deferred revenue, January 1, 2024 Â \$ 115,395 Â Additions Â Â 94,520 Â Recognized into commercialization revenue Â Â (93,101 ) Â Deferred revenue September 30, 2024 Â \$ 116,814 Â Less: deferred revenue â€” current portion Â Â (116,344 ) Deferred revenue â€” long-term, September 30, 2024 Â \$ 470 Â Â X - DefinitionLicense, collaboration and manufacturing agreements. + ReferencesNo definition available. + Details Name: atra\_LicenseCollaborationAndManufacturingAgreementsAbstract Namespace Prefix: atra\_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the type of arrangements and the corresponding amounts that comprise the current and noncurrent balance of deferred revenue as of the balance sheet date. + ReferencesNo definition available. + Details Name: us-gaap\_ DeferredRevenueByArrangementDisclosureTextBlock Namespace Prefix: us-gaap\_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 30 R24.htm IDEA: XBRL DOCUMENT v3.24.3 Liability Related to the Sale of Future Revenues (Tables) 9 Months Ended Sep. 30, 2024 Liability for Future Policy Benefit, after Reinsurance [Abstract] Â Schedule of changes in liability of sales revenues Agreement Table Text Block The following table presents the changes in the liability related to the sale of future revenues under the HCRx Agreement for the nine months ended September 30, 2024: Â Â Â (in thousands) Â Liability related to sale of future revenues as of January 1, 2024 Â \$ 35,076 Â Accretion of interest expense on liability related to sale of future revenues Â Â 3,180 Â Amortization of debt discount and debt issuance costs Â Â 52 Â Repayment of the liability Â Â (132 ) Liability related to the sale of future revenues as of September 30, 2024 Â \$ 38,176 Â Less: current portion classified within other accrued liabilities Â Â (592 ) Liability related to sale of future revenues - long-term Â \$ 37,584 Â X - DefinitionSchedule of changes in liability of sales revenues Agreement Table Text Block + ReferencesNo definition available. + Details Name: atra\_ScheduleOfChangesInLiabilityOfSalesRevenuesAgreementTableTextBlock Namespace Prefix: atra\_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap\_LiabilityForFuturePolicyBenefitAfterReinsuranceAbstract Namespace Prefix: us-gaap\_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 31 R25.htm IDEA: XBRL DOCUMENT v3.24.3 Property and Equipment (Tables) 9 Months Ended Sep. 30, 2024 Property, Plant and Equipment [Abstract] Â Schedule of Property and Equipment Property and equipment consisted of the following as of each period end: Â Â Â September 30, Â Â December 31, Â Â Â 2024 Â Â 2023 Â Â Â (in thousands) Â Leasehold improvements Â \$ 930 Â Â \$ 904 Â Lab equipment Â Â 15,553 Â Â Â 15,540 Â Machinery and equipment Â Â 572 Â Â Â 572 Â Computer equipment and software Â Â 1,381 Â Â Â 1,279 Â Furniture and fixtures Â Â 1,272 Â Â Â 1,272 Â Construction in progress Â Â â€” Â Â Â 158 Â Property and equipment, gross Â Â 19,708 Â Â Â 19,725 Â Less: accumulated depreciation Â Â (18,047 ) Â Â (15,869 ) Property and equipment, net Â \$ 1,661 Â Â \$ 3,856 Â X - ReferencesNo definition available. + Details Name: us-gaap\_PropertyPlantAndEquipmentAbstract 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 depreciation. + 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 XML 32 R26.htm IDEA: XBRL DOCUMENT v3.24.3 Restructuring (Tables) 9 Months Ended Sep. 30, 2024 Restructuring and Related Activities [Abstract] Â Summarizes of future termination benefit payments The following is a summary of restructuring charges associated with the reductions in force for the periods presented: Â Â 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 Â Â (in thousands) Â Â (in thousands) Â Research and development expense Â \$ â€” Â Â \$ â€” Â Â Â \$ 3,750 Â Â Â \$ â€” Â Â Â \$ â€” Â Â Â 1,357 Â Â Â 45 Â Total restructuring charges Â \$ â€” Â Â \$ â€” Â Â Â \$ 5,107 Â Â Â \$ 45 Â Restructuring of Labiality Activity The following restructuring liability activity was recorded in connection with the reductions in force for the nine months ended September 30, 2024: Â Â (in thousands) Â Liability balance, January 1, 2024 Â \$ 4,923 Â Restructuring charges Â Â 5,107 Â Cash payments Â Â (9,157 ) Non-cash settlements/adjustments Â Â (666 ) Liability balance, September 30, 2024 Â \$ 207 Â X - DefinitionRestructuring Liability Activity Table Text Block + ReferencesNo definition available. + Details Name: atra\_RestructuringLabialityActivityTableTextBlock Namespace Prefix: atra\_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap\_RestructuringAndRelatedActivitiesAbstract Namespace Prefix: us-gaap\_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of costs incurred for restructuring including, but not limited to, exit and disposal activities, remediation, implementation, integration, asset impairment, and charges against earnings from the write-down of assets. + ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SAB Topic 5.P.3\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph \(SAB Topic 5.P.4\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-2Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 420 -SubTopic 10 -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1 + Details](http://fasb.org/us-gaap/role/ref/legacyRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 5.P.3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.P.4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-2Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 420 -SubTopic 10 -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1 + Details) Name: us-gaap\_ScheduleOfRestructuringAndRelatedCostsTextBlock Namespace Prefix: us-gaap\_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 33 R27.htm IDEA: XBRL DOCUMENT v3.24.3 Stockholders' Equity (Deficit) (Tables) 9 Months Ended Sep. 30, 2024 Share-Based Payment Arrangement [Abstract] Â Summary of RSU Activity The following is a summary of RSU activity under our 2014 EIP and Inducement Plan: Â Â Â RSUs Â Â Â Shares Â Â WeightedAverageGrant Date Fair Value Â Balance as of December 31, 2023 Â Â 250,709 Â Â \$ 158.00 Â Granted Â Â 545,490 Â Â \$ 13.80 Â Forfeited Â Â (57,303 ) Â \$ 94.14 Â Vested Â Â (221,496 ) Â \$ 81.00 Â Balance as of September 30, 2024 Â Â 517,400 Â Â \$ 46.01 Â Summary of Stock

Option Activity The following is a summary of stock option activity under our 2014 EIP and Inducement Plan:Â Â Shares Â Â Weighted Average Exercise Price Â Â Weighted Average Remaining Contractual Term (Years) Â Â Aggregate Intrinsic Value (in thousands) Â Balance as of December 31, 2023 Â Â 428,786 Â Â \$ 290.75 Â Â 6.5 Â Â \$ â€” Â Â Granted Â Â 16,500 Â Â 11.00 Â Â â€” Â Â â€” Â Â Exercised Â Â â€” Â Â â€” Â Â â€” Â Â â€” Â Â Forfeited or expired Â Â (169,413 ) Â Â 357.61 Â Â â€” Â Â â€” Â Â Balance as of September 30, 2024 Â Â 275,873 Â Â \$ 232.96 Â Â 7.0 Â Â â€” Â Â Schedule of Common Stock Reserved for Future Issuance Under Equity Incentive Plans The following shares of common stock were reserved for future issuance under our equity incentive plans as of September 30, 2024: Â Â Total Shares Reserved Â 2014 Equity Incentive Plan Â 695,311 Â 2018 Inducement Plan Â 172,819 Â 2024 Equity Incentive Plan Â 343,901 Â 2014 Employee Stock Purchase Plan Â 40,190 Â Total reserved shares of common stock Â 1,252,221 Â Â Schedule of Stock-based Compensation, Related to Employee and Nonemployee Stock Awards Stock-based Compensation Expense The following is a summary of stock-based compensation expense for the periods presented:Â 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 Â (in thousands) Â Â (in thousands) Â Research and development Â \$ 2,877 Â Â \$ 6,758 Â Â \$ 10,904 Â Â \$ 20,723 Â General and administrative Â 3,545 Â Â 4,385 Â Â 10,251 Â Â 14,736 Â Total stock-based compensation expense Â \$ 6,422 Â Â \$ 11,143 Â Â \$ 21,155 Â Â \$ 35,459 Â Â X - Definition Common stock reserved for future issuance. + References No definition available. + Details Name: atra Common Stock Reserved For Future Issuance Table Text Block Namespace Prefix: atra Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration X - References No definition available. + Details Name: us-gaap Disclosure Of Compensation Related Costs Sharebased Payments Abstract Namespace Prefix: us-gaap Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - Definition Tabular disclosure of allocation of amount expensed and capitalized for award under share-based payment arrangement to statement of income or comprehensive income and statement of financial position. Includes, but is not limited to, corresponding line item in financial statement. + References Reference 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 Schedule Of Employee Service Share Based Compensation Allocation Of Recognized Period Costs Text Block Namespace Prefix: us-gaap Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration X - Definition Tabular disclosure for stock option plans. Includes, but is not limited to, outstanding awards at beginning and end of year, grants, exercises, forfeitures, and weighted-average grant date fair value. + References Reference 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> Reference 2: <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 Schedule Of Share Based Compensation Stock Options Activity Table Text Block Namespace Prefix: us-gaap Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration X - Definition Disclosure of the number and weighted-average grant date fair value for restricted stock and restricted stock units that were outstanding at the beginning and end of the year, and the number of restricted stock and restricted stock units that were granted, vested, or forfeited during the year. + References No definition available. + Details Name: us-gaap Schedule Of Sharebased Compensation Restricted Stock And Restricted Stock Units Activity Table Text Block Namespace Prefix: us-gaap Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration XML 34 R28.htm IDEA: XBRL DOCUMENT v3.24.3 Supplemental Balance Sheet Information (Tables) 9 Months Ended Sep. 30, 2024 Supplemental Balance Sheet Information [Abstract] Â Schedule of Inventories Inventories consisted of the following as of each period end: Â Â September 30, Â Â December 31, Â Â 2024 Â Â 2023 Â Â (in thousands) Â Raw Materials Â \$ 1,652 Â Â \$ 2,335 Â Work-in-process Â 12,328 Â Â 7,371 Â Total inventories Â \$ 13,980 Â Â \$ 9,706 Â Â Schedule of Property and Equipment Property and equipment consisted of the following as of each period end: Â Â September 30, Â Â December 31, Â Â 2024 Â Â 2023 Â Â (in thousands) Â Leasehold improvements Â \$ 930 Â Â \$ 904 Â Lab equipment Â 15,553 Â Â 15,540 Â Machinery and equipment Â 572 Â Â 572 Â Computer equipment and software Â 1,381 Â Â 1,279 Â Furniture and fixtures Â 1,272 Â Â 1,272 Â Construction in progress Â â€” Â Â 158 Â Property and equipment, gross Â 19,708 Â Â 19,725 Â Less: accumulated depreciation Â (18,047 ) Â (15,869 ) Property and equipment, net Â \$ 1,661 Â Â \$ 3,856 Â Schedule of Other Current Liabilities Other current liabilities consisted of the following as of each period end: Â Â September 30, Â Â December 31, Â Â 2024 Â Â 2023 Â Â (in thousands) Â Accrued operating expenses Â \$ 8,059 Â Â \$ 19,007 Â Current portion of operating lease liabilities Â 13,652 Â Â 11,264 Â Current portion of finance lease liabilities Â 1,006 Â Â 915 Â Other accrued liabilities Â 927 Â Â 640 Â Total other current liabilities Â \$ 23,644 Â Â \$ 31,826 Â X - Definition Supplemental Balance Sheet Information [Abstract] + References No definition available. + Details Name: atra Supplemental Balance Sheet Information Abstract Namespace Prefix: atra Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - Definition Tabular disclosure of other current liabilities. + References No definition available. + Details Name: us-gaap Other Current Liabilities Table Text Block Namespace Prefix: us-gaap Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration X - Definition Tabular 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 depreciation. + References Reference 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 Property Plant And Equipment Text Block Namespace Prefix: us-gaap Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration X - Definition Tabular disclosure of the carrying amount as of the balance sheet date of merchandise, goods, commodities, or supplies held for future sale or to be used in manufacturing, servicing or production process. + References Reference 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-S99-1> Reference 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-S99-1> Reference 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-S99-1> Reference 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 Schedule Of Inventory Current Table Text Block Namespace Prefix: us-gaap Data Type: dtr-types:textBlockItem Type Balance Type: na Period Type: duration XML 35 R29.htm IDEA: XBRL DOCUMENT v3.24.3 Description of Business (Detail) - USD (\$) \$ in Millions 1 Months Ended 9 Months Ended 12 Months Ended Dec. 31, 2022 Sep. 30, 2024 Dec. 31, 2022 License Collaboration And Manufacturing Agreements [Line Items] Â Â Entity incorporation state Â DE Â Entity incorporation date Â Aug. 01, 2012 Â HCRx Agreement [Member] Â Â License Collaboration And Manufacturing Agreements [Line Items] Â Â Â Proceeds from sale of future royalties, gross \$ 31.0 Â \$ 31.0 Minimum cash repayment Â 185.00% Â Maximum cash repayment Â 250.00% Â X - Definition License, collaboration and manufacturing agreements. + References No definition available. + Details Name: atra License Collaboration And Manufacturing Agreements Line Items Namespace Prefix: atra Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - Definition Maximum cash repayment. + References No definition available. + Details Name: atra Maximum Cash Repayment Namespace Prefix: atra Data Type: dtr-types:percentItem Type Balance Type: na Period Type: duration X - Definition Minimum cash repayment. + References No definition available. + Details Name: atra Minimum Cash Repayment Namespace Prefix: atra Data Type: dtr-types:percentItem Type Balance Type: na Period Type: duration X - Definition Proceeds from sale of future royalties, gross + References No definition available. + Details Name: atra Proceeds From Sale Of Future Royalties Gross Namespace Prefix: atra Data Type: xbrli:monetaryItem Type Balance Type: debit Period Type: duration X - Definition Date when an entity was incorporated + References No definition available. + Details Name: dei Entity Incorporation Date Of Incorporation Namespace Prefix: dei Data Type: xbrli:dateItem Type Balance Type: na Period Type: duration X - Definition Two-character EDGAR code representing the state or country of incorporation. + References No definition available. + Details Name: dei Entity Incorporation State Country Code Namespace Prefix: dei Data Type: dei:edgarStateCountryItem Type Balance Type: na Period Type: duration X - Details Name: us-gaap Type Of Arrangement Axis=atra Hcrx Agreement Member Namespace Prefix: Data Type: na Balance Type: Period Type: XML 36 R30.htm IDEA: XBRL DOCUMENT v3.24.3 Net Loss per Common Share - Antidilutive Securities Excluded From Computation of Diluted Net Loss per Common Share (Detail) - shares 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Antidilutive Securities Excluded From Computation Of Earnings Per Share [Line Items] Â Â Antidilutive securities excluded from computation of earnings per share 794,295 848,707 Unvested RSUs Â Â Antidilutive securities Excluded From Computation Of Earnings Per Share [Line Items] Â Â Antidilutive securities excluded from computation of earnings per share 495,996,000 338,244 Employee Stock Option Â Â Antidilutive Securities Excluded From Computation Of Earnings Per Share [Line Items] Â Â Antidilutive securities excluded from computation of earnings per share 263,788,000 491,521 ESPP Share Purchase Rights Â Â Antidilutive Securities Excluded From Computation Of Earnings Per Share [Line Items] Â Â Antidilutive securities excluded from computation of earnings per share 34,511,000 18,942 X - Definition 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. + References Reference 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 Antidilutive Securities Excluded From Computation Of Earnings Per Share Amount Namespace Prefix: us-gaap Data Type: xbrli:sharesItem Type Balance Type: na Period Type: duration X - Definition 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. + References No definition available. + Details Name: us-gaap Antidilutive Securities Excluded From Computation Of Earnings Per Share Line Items Namespace Prefix: us-gaap Data Type: xbrli:stringItem Type Balance Type: na Period Type: duration X - Details Name: us-gaap Antidilutive Securities Excluded From Computation Of Earnings Per Share By Antidilutive Securities Axis=us-gaap Restricted Stock Units RSUMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap Antidilutive Securities Excluded From Computation Of Earnings Per Share By Antidilutive Securities Axis=us-gaap Employee Stock Option Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap Antidilutive Securities Excluded From Computation Of Earnings Per Share By Antidilutive Securities Axis=atra Employee Stock Purchase Plan Member Namespace Prefix: Data Type: na Balance Type: Period Type: XML 37 R31.htm IDEA: XBRL DOCUMENT v3.24.3 Financial Instruments - Summary of Estimated Fair Value and Related Valuation Input Hierarchy of Available-for-Sale Securities (Detail) - USD (\$) \$ in Thousands Sep. 30, 2024 Dec. 31, 2023 Schedule of Available-for-sale Securities [Line Items] Â Â Total Fair Value \$ 65,820 \$ 50,189 Fair Value, Measurements, Recurring Â Â Schedule of Available-for-sale Securities [Line Items] Â Â Total Amortized Cost 65,798 50,393 Total Unrealized Gain 24 1 Total Unrealized Loss (2) (205) Total Fair Value 65,820 50,189 Amounts Classified As Cash Equivalents | Fair Value, Measurements, Recurring Â Â Schedule of Available-for-sale Securities [Line Items] Â Â Total Amortized Cost (45,077) (24,304) Total Unrealized Gain (7) (1) Total Unrealized Loss 0 0 Total Fair Value (45,084) (24,305) Amounts Classified As Short-Term Investments | Fair Value, Measurements, Recurring Â Â Schedule of Available-for-sale Securities [Line Items] Â Â Total Amortized Cost 20,721 26,089 Total Unrealized Gain 17 0 Total Unrealized Loss (2)

(205) Total Fair Value 20,736 25,884 Level 1 | Money Market Funds | Fair Value, Measurements, Recurring  $\hat{A} \hat{A}$  Schedule of Available-for-sale Securities [Line Items]  $\hat{A} \hat{A}$  Total Amortized Cost 23,334 14,376 Total Unrealized Gain 0 0 Total Unrealized Loss 0 0 Total Fair Value 23,334 14,376 Level 2 | U.S. Treasury Obligations | Fair Value, Measurements, Recurring  $\hat{A} \hat{A}$  Schedule of Available-for-sale Securities [Line Items]  $\hat{A} \hat{A}$  Total Amortized Cost 40,472 9,928 Total Unrealized Gain 24 1 Total Unrealized Loss 0 0 Total Fair Value 40,496 9,929 Level 2 | Corporate Debt Obligations | Fair Value, Measurements, Recurring  $\hat{A} \hat{A}$  Schedule of Available-for-sale Securities [Line Items]  $\hat{A} \hat{A}$  Total Amortized Cost 1,497 26,089 Total Unrealized Gain 0 0 Total Unrealized Loss (2) (205) Total Fair Value 1,495 \$ 25,884 Level 2 | Commercial Paper | Fair Value, Measurements, Recurring  $\hat{A} \hat{A}$  Schedule of Available-for-sale Securities [Line Items]  $\hat{A} \hat{A}$  Total Amortized Cost 495  $\hat{A}$  Total Unrealized Gain 0  $\hat{A}$  Total Unrealized Loss 0  $\hat{A}$  Total Fair Value \$ 495  $\hat{A}$  X - DefinitionCash equivalents, accumulated gross unrealized gain, before tax. + ReferencesNo definition available. + Details Name: atra\_CashEquivalentsAccumulatedGrossUnrealizedGainBeforeTax Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionCash equivalents, accumulated gross unrealized loss, before tax. + ReferencesNo definition available. + Details Name: atra\_CashEquivalentsAccumulatedGrossUnrealizedLossBeforeTax Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionCash equivalents, amortized cost. + ReferencesNo definition available. + Details Name: atra\_CashEquivalentsAmortizedCost Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionCash equivalents, fair value. + ReferencesNo definition available. + Details Name: atra\_CashEquivalentsFairValue Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount, before tax, of unrealized gain in accumulated other comprehensive income (AOI) on investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale). + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph \(b\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-2](http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph (b)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-2) + Details Name: us-gaap\_AvailableForSaleDebtSecuritiesAccumulatedGrossUnrealizedGainBeforeTax Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, before tax, of unrealized loss in accumulated other comprehensive income (AOI) on investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale). + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph \(c\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-2](http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph (c)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-2) + Details Name: us-gaap\_AvailableForSaleDebtSecuritiesAccumulatedGrossUnrealizedLossBeforeTax Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmortized cost of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale). + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Topic 944-SubTopic 210-Name Accounting Standards Codification-Section S99-Paragraph 1-Subparagraph \(SX 210.7-03\(a\)\(1\)\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1](http://www.xbrl.org/2003/role/disclosureRef-Topic 944-SubTopic 210-Name Accounting Standards Codification-Section S99-Paragraph 1-Subparagraph (SX 210.7-03(a)(1))-Publisher FASB-URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1)Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph \(a\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-2](http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph (a)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-2)Reference 3: <http://www.xbrl.org/2003/role/disclosureRef-Topic 326-SubTopic 30-Name Accounting Standards Codification-Section 45-Paragraph 1-Publisher FASB-URI https://asc.fasb.org/1943274/2147479130/326-30-45-1> + Details Name: us-gaap\_AvailableForSaleDebtSecuritiesAmortizedCostBasis Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale). + ReferencesReference 1: <http://www.xbrl.org/2003/role/exampleRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 55-Paragraph 103-Publisher FASB-URI https://asc.fasb.org/1943274/2147482078/820-10-55-103>Reference 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/1943274/2147482078/820-10-55-100>Reference 3: [http://www.xbrl.org/2009/role/commonPracticeRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph \(bbb\)\(2\)\(i\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482106/820-10-50-2](http://www.xbrl.org/2009/role/commonPracticeRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph (bbb)(2)(i)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482106/820-10-50-2)Reference 4: [http://www.xbrl.org/2009/role/commonPracticeRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph \(bbb\)\(2\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482106/820-10-50-2](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/1943274/2147482106/820-10-50-2)Reference 5: [http://www.xbrl.org/2009/role/commonPracticeRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph \(bbb\)\(1\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482106/820-10-50-2](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)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef-Topic 820-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph \(a\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482106/820-10-50-2](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)Reference 7: [http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph \(aa\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-2](http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph (aa)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-2)Reference 8: [http://www.xbrl.org/2009/role/commonPracticeRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 45-Paragraph 1-Subparagraph \(b\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481830/320-10-45-1](http://www.xbrl.org/2009/role/commonPracticeRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 45-Paragraph 1-Subparagraph (b)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481830/320-10-45-1)Reference 9: [http://www.xbrl.org/2003/role/disclosureRef-Topic 942-SubTopic 210-Name Accounting Standards Codification-Section S99-Paragraph 1-Subparagraph \(SX 210.9-03\(6\)\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1](http://www.xbrl.org/2003/role/disclosureRef-Topic 942-SubTopic 210-Name Accounting Standards Codification-Section S99-Paragraph 1-Subparagraph (SX 210.9-03(6))-Publisher FASB-URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1)Reference 10: <http://www.xbrl.org/2003/role/disclosureRef-Topic 326-SubTopic 30-Name Accounting Standards Codification-Section 45-Paragraph 1-Publisher FASB-URI https://asc.fasb.org/1943274/2147479130/326-30-45-1> + Details Name: us-gaap\_AvailableForSaleSecuritiesDebtSecurities Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - 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 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-2>Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph \(a\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-2](http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph (a)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-2)Reference 3: [http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph \(aa\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-2](http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph (aa)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-2)Reference 4: [http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph \(aaa\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-2](http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph (aaa)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-2)Reference 5: [http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph \(b\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-2](http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph (b)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-2)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph \(c\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-2](http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph (c)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-2)Reference 7: [http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph \(d\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-2](http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 2-Subparagraph (d)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-2)Reference 8: <http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 3-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-3>Reference 9: [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/1943274/2147481800/320-10-50-3](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/1943274/2147481800/320-10-50-3)Reference 10: [http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 3-Subparagraph \(b\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-3](http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 3-Subparagraph (b)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-3)Reference 11: [http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 3-Subparagraph \(c\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-3](http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 3-Subparagraph (c)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-3)Reference 12: [http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 3-Subparagraph \(d\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-3](http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 3-Subparagraph (d)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-3) + Details Name: us-gaap\_ScheduleOfAvailableForSaleSecuritiesLineItems Namespace Prefix: us-gaap\_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap\_FairValueByMeasurementFrequencyAxis=us-gaap\_FairValueMeasurementsRecurringMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_FinancialInstrumentAxis=us-gaap\_CashEquivalentsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_FinancialInstrumentAxis=us-gaap\_ShortTermInvestmentsMember 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\_FinancialInstrumentAxis=us-gaap\_MoneyMarketFundsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_FairValueByFairValueHierarchyLevelAxis=us-gaap\_FairValueInputsLevel2Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_FinancialInstrumentAxis=us-gaap\_USTreasurySecuritiesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_FinancialInstrumentAxis=us-gaap\_CorporateDebtSecuritiesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_FinancialInstrumentAxis=us-gaap\_CommercialPaperMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 38 R32.htm IDEA: XBRL DOCUMENT v3.24.3 Financial Instruments - Amortized Cost and Fair Value of Available-for-Sale Securities by Contractual Maturity (Detail) - USD (\$) \$ in Thousands Sep. 30, 2024 Dec. 31, 2023 Amortized cost  $\hat{A}$   $\hat{A}$  Maturing within one year, Amortized cost \$ 65,798 \$ 50,393 Maturing in one to five years, Amortized cost 0 0 Total available-for-sale securities, Amortized cost 65,798 50,393 Estimated Fair value  $\hat{A} \hat{A}$  Maturing within one year, Estimated fair value 65,820 50,189 Maturing in one to five years, Estimated fair value 0 0 Total Fair Value \$ 65,820 \$ 50,189 X - DefinitionAmortized cost of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), with single maturity date and allocated without single maturity date, maturing in second through fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 3-Subparagraph \(b\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-3](http://www.xbrl.org/2009/role/commonPracticeRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 3-Subparagraph (b)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-3) + Details Name: us-gaap\_AvailableForSaleSecuritiesDebtMaturitiesAfterOneThroughFiveYearsAmortizedCost Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionFair value of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), with single maturity date and allocated without single maturity date, maturing in second through fifth 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 \(b\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-3](http://www.xbrl.org/2003/role/disclosureRef-Topic 320-SubTopic 10-Name Accounting Standards Codification-Section 50-Paragraph 3-Subparagraph (b)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481800/320-10-50-3)Reference 2: [http://www.xbrl.org/2003/role/disclosureRef-Topic 942-SubTopic 320-Name Accounting Standards Codification-Section 50-Paragraph 3A-Subparagraph \(b\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147477268/942-320-50-3A](http://www.xbrl.org/2003/role/disclosureRef-Topic 942-SubTopic 320-Name Accounting Standards Codification-Section 50-Paragraph 3A-Subparagraph (b)-Publisher FASB-URI https://asc.fasb.org/1943274/2147477268/942-320-50-3A) + Details Name: us-gaap\_AvailableForSaleSecuritiesDebtMaturitiesAfterOneThroughFiveYearsFairValue Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap\_AvailableForSaleSecuritiesDebtMaturitiesFairValueAbstract Namespace Prefix: us-gaap\_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmortized cost of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), with single maturity date and allocated without single maturity date. + ReferencesReference 1: <http://www.xbrl.org/2009/role/commonPracticeRef-Topic 320-SubTopic 10-Name Accounting Standards>

Codification -Section 50 -Paragraph 3 -Publisher FASB -URI <https://asc.fasb.org/1943274/2147481800/320-10-50-3>Reference 2: [http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph \(d\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-2](http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-2)Reference 3: [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/1943274/2147481800/320-10-50-3](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/1943274/2147481800/320-10-50-3)Reference 2: [http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 103 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-103](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 - DefinitionAmount of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale). + ReferencesReference 1: <a href=)Reference 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/1943274/2147482078/820-10-55-100>Reference 3: [http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph \(bbb\)\(2\)\(i\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2](http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2)Reference 4: [http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph \(bbb\)\(2\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2](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/1943274/2147482106/820-10-50-2)Reference 5: [http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph \(bbb\)\(1\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2](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)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph \(a\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2](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)Reference 7: [http://www.xbrl.org/2003/role/disclosureRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph \(aa\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-2](http://www.xbrl.org/2003/role/disclosureRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (aa) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481800/320-10-50-2)Reference 8: [http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481830/320-10-45-1](http://www.xbrl.org/2009/role/commonPracticeRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481830/320-10-45-1)Reference 9: [http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SX 210.9-03\(6\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1](http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1)Reference 10: [http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 310 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph \(a\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477802/946-310-45-1](http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479130/326-30-45-1 + Details Name: us-gaap AvailableForSaleSecuritiesDebtSecurities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 39 R33.htm IDEA: XBRL DOCUMENT v3.24.3 Financial Instruments - Additional Information (Detail) - USD ($) $ in Millions 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Dec. 31, 2023 Financial Instruments Disclosure [Abstract] Å Å Å Å Accrued interest receivable $ 0.1 Å $ 0.3 Write off, of accrued interest receivable $ 0.0 $ 0.0 $ 0.0 Å X - Definitionfinancial instruments disclosure. + ReferencesNo definition available. + Details Name: atra_FinancialInstrumentsDisclosureAbstract Namespace Prefix: atra_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionWrite off of accrued interest receivable. + ReferencesNo definition available. + Details Name: atra_WriteOffOfAccruedInterestReceivable Namespace Prefix: atra_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionCarrying amount as of the balance sheet date of interest earned but not received. Also called accrued interest or accrued interest receivable. + ReferencesReference 1: <a href=)Reference 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\(1\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1](http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(3)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap InterestReceivable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 40 R34.htm IDEA: XBRL DOCUMENT v3.24.3 Financial Instruments - Reconciliation of Cash, Cash Equivalents and Restricted Cash (Detail) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Sep. 30, 2023 Dec. 31, 2022 Financial Instruments Disclosure [Abstract] Å Å Å Å Cash and cash equivalents $ 46,453 $ 25,841 Å Å Restricted cash - short term 146 146 Å Å Total cash, cash equivalents and restricted cash $ 46,599 $ 25,987 $ 64,937 $ 93,088 X - Definitionfinancial instruments disclosure. + ReferencesNo definition available. + Details Name: atra_FinancialInstrumentsDisclosureAbstract Namespace Prefix: atra_ 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: <a href=)Reference 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/1943274/2147483467/210-10-45-1](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/1943274/2147483467/210-10-45-1)Reference 3: [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/1943274/2147482913/230-10-50-8](http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4 + Details Name: us-gaap CashAndCashEquivalentsAtCarryingValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage. Excludes amount for disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: <a href=)Reference 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/1943274/2147482740/230-10-45-24>Reference 3: [http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SX 210.5-02\(1\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1](http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4 + Details Name: us-gaap CashAndCashEquivalentsAtCarryingValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of cash restricted as to withdrawal or usage, classified as current. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. + ReferencesReference 1: <a href=)Reference 2: [http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SX 210.7-03\(a\)\(8\)\(b\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1](http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8 + Details Name: us-gaap RestrictedCashCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 41 R35.htm IDEA: XBRL DOCUMENT v3.24.3 Property and Equipment - Schedule of Property and Equipment (Detail) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Property Plant And Equipment [Line Items] Å Å Property and equipment, gross $ 19,708 $ 19,725 Less: accumulated depreciation and amortization (18,047) (15,869) Property and equipment, net 1,661 3,856 Leasehold Improvements [Member] Å Å Property Plant And Equipment [Line Items] Å Å Property and equipment, gross 930 904 Machinery and Equipment [Member] Å Å Property Plant And Equipment [Line Items] Å Å Property and equipment, gross 572 572 Furniture and Fixtures [Member] Å Å Property Plant And Equipment [Line Items] Å Å Property and equipment, gross 1,272 1,272 Construction in Progress [Member] Å Å Property Plant And Equipment [Line Items] Å Å Property and equipment, gross $ 0 $ 158 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: <a href=)Reference 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-S99-1](http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(14)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1)Reference 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\(a\)\(8\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1](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: <a href=)Reference 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-S99-1](http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(13)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1)Reference 3:

ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef-Topic 842-SubTopic 20-Name Accounting Standards Codification-Section 50-Paragraph 7A-Subparagraph \(a\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147478964/842-20-50-7A](http://www.xbrl.org/2003/role/disclosureRef-Topic 842-SubTopic 20-Name Accounting Standards Codification-Section 50-Paragraph 7A-Subparagraph (a)-Publisher FASB-URI https://asc.fasb.org/1943274/2147478964/842-20-50-7A) + Details Name: us-gaap\_PropertyPlantAndEquipmentLineItems Namespace Prefix: us-gaap\_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount after accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business to produce goods and services and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures. + ReferencesReference 1: <http://fasb.org/us-gaap/role/ref/legacyRef-Name Accounting Standards Codification-Section 50-Paragraph 1-SubTopic 10-Topic 360-Publisher FASB-URI https://asc.fasb.org/1943274/2147482099/360-10-50-1>Reference 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/1943274/2147478964/842-20-50-7A](http://www.xbrl.org/2003/role/disclosureRef-Topic 842-SubTopic 20-Name Accounting Standards Codification-Section 50-Paragraph 7A-Subparagraph (a)-Publisher FASB-URI https://asc.fasb.org/1943274/2147478964/842-20-50-7A)Reference 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/1943274/2147481372/852-10-55-10>Reference 4: [http://www.xbrl.org/2003/role/disclosureRef-Topic 944-SubTopic 210-Name Accounting Standards Codification-Section 50-Paragraph 1-Publisher FASB-URI https://asc.fasb.org/1943274/2147478451/942-360-50-1](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-S99-1) + 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=us-gaap\_LeaseholdImprovementsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_PropertyPlantAndEquipmentByTypeAxis=us-gaap\_MachineryAndEquipmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_PropertyPlantAndEquipmentByTypeAxis=us-gaap\_FurnitureAndFixturesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_PropertyPlantAndEquipmentByTypeAxis=us-gaap\_ConstructionInProgressMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 42 R36.htm IDEA: XBRL DOCUMENT v3.24.3 Property and Equipment - Additional Information (Detail) - USD (\$) \$ in Thousands 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Property, Plant and Equipment, Net, by Type [Abstract] Å Å Depreciation and amortization expense \$ 3,951 \$ 3,624 X - DefinitionThe current period expense charged against earnings on long-lived, physical assets not used in production, and which are not intended for resale, to allocate or recognize the cost of such assets over their useful lives; or to record the reduction in book value of an intangible asset over the benefit period of such asset; or to reflect consumption during the period of an asset that is not used in production. + 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](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)Reference 2: [http://fasb.org/us-gaap/role/ref/legacyRef-Name Accounting Standards Codification-Section 50-Paragraph 1-Subparagraph \(a\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482099/360-10-50-1](http://fasb.org/us-gaap/role/ref/legacyRef-Name Accounting Standards Codification-Section 50-Paragraph 1-Subparagraph (a)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482099/360-10-50-1) + Details Name: us-gaap\_DepreciationAndAmortization Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap\_PropertyPlantAndEquipmentNetByTypeAbstract Namespace Prefix: us-gaap\_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 43 R37.htm IDEA: XBRL DOCUMENT v3.24.3 Out-license Agreements - Schedule of Deferred Revenue Activity (Details) - USD (\$) \$ in Thousands 9 Months Ended Sep. 30, 2024 Dec. 31, 2023 License Collaboration And Manufacturing Agreements [Line Items] Å Å Deferred revenue - long-term, September 30, 2024 \$ 470 \$ 37,562 Commercialization Revenue [Member] Å Å License Collaboration And Manufacturing Agreements [Line Items] Å Å Deferred revenue, January 1, 2024 115,395 Å Additions 94,520 Å Recognized into commercialization revenue (93,101) Å Deferred revenue September 30, 2024 116,814 Å Less: deferred revenue - current portion (116,344) Å Deferred revenue - long-term, September 30, 2024 \$ 470 Å X - DefinitionLicense, collaboration and manufacturing agreements. + ReferencesNo definition available. + Details Name: atra\_LicenseCollaborationAndManufacturingAgreementsLineItems Namespace Prefix: atra\_ 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/1943274/2147479837/606-10-45-1>Reference 2: [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](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\_ContractWithCustomerLiability Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of obligation to transfer good or service to customer for which consideration has been received or is receivable, classified as current. + 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/1943274/2147479837/606-10-45-1>Reference 2: [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](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\_ContractWithCustomerLiabilityCurrent Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of obligation to transfer good or service to customer for which consideration has been received or is receivable, classified as noncurrent. + 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/1943274/2147479837/606-10-45-1>Reference 2: [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](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\_ContractWithCustomerLiabilityNoncurrent Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of increase in deferred income not accounted for under Topic 606. + ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-Topic 944-SubTopic 40-Name Accounting Standards Codification-Section 65-Paragraph 2-Subparagraph \(g\) \(1\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147480016/944-40-65-2](http://www.xbrl.org/2009/role/commonPracticeRef-Topic 944-SubTopic 30-Name Accounting Standards Codification-Section 50-Paragraph 2B-Subparagraph (a)-Publisher FASB-URI https://asc.fasb.org/1943274/2147479432/944-30-50-2B) + Details Name: us-gaap\_DeferredIncomeAddition Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of revenue recognized previously reported as deferred income not accounted for under Topic 606. + ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef-Topic 944-SubTopic 40-Name Accounting Standards Codification-Section 65-Paragraph 2-Subparagraph \(g\) \(1\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147480016/944-40-65-2](http://www.xbrl.org/2009/role/commonPracticeRef-Topic 944-SubTopic 30-Name Accounting Standards Codification-Section 50-Paragraph 2B-Subparagraph (a)-Publisher FASB-URI https://asc.fasb.org/1943274/2147479432/944-30-50-2B) + Details Name: us-gaap\_DeferredIncomeRevenueRecognized Namespace Prefix

DefinitionMilestone payments + ReferencesNo definition available. + Details Name: atra MilestonePayments Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionMinimum cash repayment. + ReferencesNo definition available. + Details Name: atra\_MinimumCashRepayment Namespace Prefix: atra\_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionPayments Received from Sale of Inventory + ReferencesNo definition available. + Details Name: atra PaymentsReceivedFromSaleOfInventory Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionProceeds from sale of future royalties, gross + ReferencesNo definition available. + Details Name: atra\_ProceedsFromSaleOfFutureRoyaltiesGross Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionRegulatory Milestone + ReferencesNo definition available. + Details Name: atra\_RegulatoryMilestone Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionRevenue Recognition Performance Satisfied or Partially Satisfied Prior Period + ReferencesNo definition available. + Details Name: atra\_RevenueRecognitionPerformanceSatisfiedOrPartiallySatisfiedPriorPeriod Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionRoyalty eligible to receive term after first commercial sale. + ReferencesNo definition available. + Details Name: atra\_RoyaltyEligibleToReceiveTermAfterFirstCommercialSale Namespace Prefix: atra\_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionUpfront cash payment received. + ReferencesNo definition available. + Details Name: atra\_UpfrontCashPaymentReceived Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration 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 - Details Name: us-gaap\_TypeOfArrangementAxis=atra\_PierreFabreCommercializationAgreementMember 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\_TypeOfArrangementAxis=atra\_HcrxAgreementMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_TypeOfArrangementAxis=atra\_ARCommercializationAgreementMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 45 R39.htm IDEA: XBRL DOCUMENT v3.24.3 Liability Related to the Sale of Future Revenues - Schedule of Liability Related to the Sale of Future Royalties (Details) - USD (\$) in Thousands 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Dec. 31, 2023 Liability for Future Policy Benefit, after Reinsurance [Abstract] Â Â Â Liability related to sale of future revenues as of January 1, 2024 \$ 35,076 Â Â Accretion of interest expense on liability related to sale of future revenues 3,180 \$ 3,729 Â Amortization of debt discount and debt issuance costs 52 Â Â Repayment of the liability (132) Â Â Liability related to the sale of future revenues as of June 30, 2024 38,176 Â Â Less: current portion classified within other accrued liabilities (592) Â Â Liability related to sale of future revenues - long-term \$ 37,584 Â \$ 34,623 X - DefinitionLiability related to sale of future revenues + ReferencesNo definition available. + Details Name: atra\_LiabilityRelatedToSaleOfFutureRevenues Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionLiability related to the sale of future revenue current. + ReferencesNo definition available. + Details Name: atra\_LiabilityRelatedToTheSaleOfFutureRevenueCurrent Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionLiability related to the sale of future royalties - long-term + ReferencesNo definition available. + Details Name: atra\_LiabilityRelatedToTheSaleOfFutureRoyaltiesLongTerm Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount recognized for the passage of time, typically for liabilities, that have been discounted to their net present values. Excludes accretion associated with asset retirement obligations. + ReferencesReference 1: [http://www.xbrl.org/2003/role/exampleRef-Topic 420-SubTopic 10-Name Accounting Standards Codification-Section 35-Paragraph 4-Publisher FASB-URI https://asc.fasb.org/1943274/2147481639/420-10-35-4Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef-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](http://www.xbrl.org/2003/role/exampleRef-Topic 420-SubTopic 10-Name Accounting Standards Codification-Section 35-Paragraph 4-Publisher FASB-URI https://asc.fasb.org/1943274/2147481639/420-10-35-4Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef-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\_AccretionExpense Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of amortization expense attributable to debt issuance costs. + 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-S99-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef-Topic 470-SubTopic 20-Name Accounting Standards Codification-Section 50-Paragraph 1F-Subparagraph \(b\)\(2\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 3: http://www.xbrl.org/2009/role/commonPracticeRef-Topic 230-SubTopic 10-Name Accounting Standards Codification-Section 45-Paragraph 28-Subparagraph \(b\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef-Topic 835-SubTopic 30-Name Accounting Standards Codification-Section 45-Paragraph 3-Publisher FASB-URI https://asc.fasb.org/1943274/2147482925/835-30-45-3](http://fasb.org/us-gaap/role/ref/legacyRef-Topic 220-SubTopic 10-Name Accounting Standards Codification-Section S99-Paragraph 2-Subparagraph (SX 210.5-03(8))-Publisher FASB-URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef-Topic 470-SubTopic 20-Name Accounting Standards Codification-Section 50-Paragraph 1F-Subparagraph (b)(2)-Publisher FASB-URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 3: http://www.xbrl.org/2009/role/commonPracticeRef-Topic 230-SubTopic 10-Name Accounting Standards Codification-Section 45-Paragraph 28-Subparagraph (b)-Publisher FASB-URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef-Topic 835-SubTopic 30-Name Accounting Standards Codification-Section 45-Paragraph 3-Publisher FASB-URI https://asc.fasb.org/1943274/2147482925/835-30-45-3) + Details Name: us-gaap\_AmortizationOfFinancingCosts Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap\_LiabilityForFuturePolicyBenefitAfterReinsuranceAbstract Namespace Prefix: us-gaap\_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe amount of cash paid for royalties during the current period. + ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Name Accounting Standards Codification-Section 45-Paragraph 25-Subparagraph \(g\)-SubTopic 10-Topic 230-Publisher FASB-URI https://asc.fasb.org/1943274/2147482740/230-10-45-25](http://fasb.org/us-gaap/role/ref/legacyRef-Name Accounting Standards Codification-Section 45-Paragraph 25-Subparagraph (g)-SubTopic 10-Topic 230-Publisher FASB-URI https://asc.fasb.org/1943274/2147482740/230-10-45-25) + Details Name: us-gaap\_PaymentsForRoyalties Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration XML 46 R40.htm IDEA: XBRL DOCUMENT v3.24.3 Liability Related to the Sale of Future Revenues (Additional Information) (Details) - USD (\$) \$ in Thousands 1 Months Ended 9 Months Ended 12 Months Ended Dec. 31, 2022 Sep. 30, 2024 Dec. 31, 2022 Liability for Future Policy Benefit, Activity [Line Items] Â Â Â Payments for royalties Â \$ 132 Â HCRx Agreement [Member] Â Â Â Liability for Future Policy Benefit, Activity [Line Items] Â Â Â Minimum cash repayment Â 185.00% Â Maximum cash repayment Â 250.00% Â Cash Payment Â \$ 9,000 Â Proceeds from sale of future royalties, gross \$ 31,000 Â \$ 31,000 Number Of transaction cost \$ 400 Â Â Interest rate of royalties, percentage Â 11.00% Â X - Definitioncash payment + ReferencesNo definition available. + Details Name: atra\_CashPayment Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionInterest rate of royalties, percentage + ReferencesNo definition available. + Details Name: atra\_InterestRateOfRoyaltiesPercentage Namespace Prefix: atra\_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - DefinitionMaximum cash repayment. + ReferencesNo definition available. + Details Name: atra\_MaximumCashRepayment Namespace Prefix: atra\_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionMinimum cash repayment. + ReferencesNo definition available. + Details Name: atra\_MinimumCashRepayment Namespace Prefix: atra\_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionNumber Of Transaction Cost + ReferencesNo definition available. + Details Name: atra\_NumberOfTransactionCost Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionProceeds from sale of future royalties, gross + ReferencesNo definition available. + Details Name: atra\_ProceedsFromSaleOfFutureRoyaltiesGross Namespace Prefix: atra\_ 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 944-SubTopic 40-Name Accounting Standards Codification-Section 50-Paragraph 6-Subparagraph \(c\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147480081/944-40-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef-Topic 944-SubTopic 40-Name Accounting Standards Codification-Section 50-Paragraph 6-Subparagraph \(b\)\(6\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147480081/944-40-50-6Reference 3: http://www.xbrl.org/2003/role/disclosureRef-Topic 944-SubTopic 40-Name Accounting Standards Codification-Section 50-Paragraph 6-Subparagraph \(b\)\(5\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147480081/944-40-50-6Reference 4: http://www.xbrl.org/2003/role/disclosureRef-Topic 944-SubTopic 40-Name Accounting Standards Codification-Section 50-Paragraph 6-Subparagraph \(b\)\(4\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147480081/944-40-50-6Reference 5: http://www.xbrl.org/2003/role/disclosureRef-Topic 944-SubTopic 40-Name Accounting Standards Codification-Section 50-Paragraph 6-Subparagraph \(b\)\(3\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147480081/944-40-50-6Reference 6: http://www.xbrl.org/2003/role/disclosureRef-Topic 944-SubTopic 40-Name Accounting Standards Codification-Section 50-Paragraph 6-Subparagraph \(b\)\(2\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147480081/944-40-50-6Reference 7: http://www.xbrl.org/2003/role/disclosureRef-Topic 944-SubTopic 40-Name Accounting Standards Codification-Section 65-Paragraph 2-Subparagraph \(g\)\(1\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 8: http://www.xbrl.org/2003/role/disclosureRef-Topic 944-SubTopic 40-Name Accounting Standards Codification-Section 50-Paragraph 6-Subparagraph \(b\)\(1\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147480081/944-40-50-6Reference 9: http://www.xbrl.org/2003/role/exampleRef-Topic 944-SubTopic 40-Name Accounting Standards Codification-Section 55-Paragraph 29E-Publisher FASB-URI https://asc.fasb.org/1943274/2147480046/944-40-55-29EReference 10: http://www.xbrl.org/2003/role/disclosureRef-Topic 944-SubTopic 40-Name Accounting Standards Codification-Section 50-Paragraph 6-Subparagraph \(a\)-Publisher FASB-URI https://asc.fasb.org/1943274/2147480081/944-40-50-6](http://www.xbrl.org/2003/role/disclosureRef-Topic 944-SubTopic 40-Name Accounting Standards Codification-Section 50-Paragraph 6-Subparagraph (c)-Publisher FASB-URI https://asc.fasb.org/1943274/2147480081/944-40-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef-Topic 944-SubTopic 40-Name Accounting Standards Codification-Section 50-Paragraph 6-Subparagraph (b)(6)-Publisher FASB-URI https://asc.fasb.org/1943274/2147480081/944-40-50-6Reference 3: http://www.xbrl.org/2003/role/disclosureRef-Topic 944-SubTopic 40-Name Accounting Standards Codification-Section 50-Paragraph 6-Subparagraph (b)(5)-Publisher FASB-URI https://asc.fasb.org/1943274/2147480081/944-40-50-6Reference 4: http://www.xbrl.org/2003/role/disclosureRef-Topic 944-SubTopic 40-Name Accounting Standards Codification-Section 50-Paragraph 6-Subparagraph (b)(4)-Publisher FASB-URI https://asc.fasb.org/1943274/2147480081/944-40-50-6Reference 5: http://www.xbrl.org/2003/role/disclosureRef-Topic 944-SubTopic 40-Name Accounting Standards Codification-Section 50-Paragraph 6-Subparagraph (b)(3)-Publisher FASB-URI https://asc.fasb.org/1943274/2147480081/944-40-50-6Reference 6: http://www.xbrl.org/2003/role/disclosureRef-Topic 944-SubTopic 40-Name Accounting Standards Codification-Section 50-Paragraph 6-Subparagraph (b)(2)-Publisher FASB-URI https://asc.fasb.org/1943274/2147480081/944-40-50-6Reference 7: http://www.xbrl.org/2003/role/disclosureRef-Topic 944-SubTopic 40-Name Accounting Standards Codification-Section 65-Paragraph 2-Subparagraph (g)(1)-Publisher FASB-URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 8: http://www.xbrl.org/2003/role/disclosureRef-Topic 944-SubTopic 40-Name Accounting Standards Codification-Section 50-Paragraph 6-Subparagraph (b)(1)-Publisher FASB-URI https://asc.fasb.org/1943274/2147480081/944-40-50-6Reference 9: http://www.xbrl.org/2003/role/exampleRef-Topic 944-SubTopic 40-Name Accounting Standards Codification-Section 55-Paragraph 29E-Publisher FASB-URI https://asc.fasb.org/1943274/2147480046/944-40-55-29EReference 10: http://www.xbrl.org/2003/role/disclosureRef-Topic 944-SubTopic 40-Name Accounting Standards Codification-Section 50-Paragraph 6-Subparagraph (a)-Publisher FASB-URI https://asc.fasb.org/1943274/2147480081/944-40-50-6) + Details Name: us-gaap\_LiabilityForFuturePolicyBenefitActivityLineItems Namespace Prefix: us-gaap\_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe amount of cash paid for royalties during the current period. + ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef-Name Accounting Standards Codification-Section 45-Paragraph 25-Subparagraph \(g\)-SubTopic 10-Topic 230-Publisher FASB-URI https://asc.fasb.org/1943274/2147482740/230-10-45-25](http://fasb.org/us-gaap/role/ref/legacyRef-Name Accounting Standards Codification-Section 45-Paragraph 25-Subparagraph (g)-SubTopic 10-Topic 230-Publisher FASB-URI https://asc.fasb.org/1943274/2147482740/230-10-45-25) + Details Name: us-gaap\_PaymentsForRoyalties Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - Details Name: us-gaap\_TypeOfArrangementAxis=atra\_HcrxAgreementMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 47 R41.htm IDEA: XBRL DOCUMENT v3.24.3 Leases - Schedule of Maturities of Lease Liabilities Under Operating and Finance Leases (Details) - USD (\$) \$ in Thousands Sep. 30, 2024 Dec. 31, 2023 Leases [Abstract] Â Â Other current liabilities \$ 13,652 \$ 11,264 Operating lease liabilities - long-term 35,243 45,693 Other current liabilities \$ 1,006 \$ 915 X - DefinitionPresent value of lessee's discounted obligation for lease payments from finance 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](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\_FinanceLeaseLiabilityCurrent Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap\_LeasesAbstract Namespace Prefix: us-gaap\_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - 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](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 - 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](http://www.xbrl.org/2003/role/disclosureRef-Topic 842-SubTopic 20-Name Accounting Standards Codification-Section 45-Paragraph 1-Subparagraph (b)-Publisher FASB-URI https://asc.fasb.org/1943274/2147479041/842-20-45-1) + Details Name: us-gaap\_OperatingLeaseLiabilityNoncurrent Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 48 R42.htm IDEA: XBRL DOCUMENT v3.24.3 Leases - Summary of Other Information Related to Leases (Details) - USD (\$) \$ in Thousands 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 CashPaidForAmountsIncludedInMeasurementOfLeaseLiabilitiesAbstract Â Â Financing cash flows for finance leases \$ 657 \$ 732 X - DefinitionCashPaidForAmountsIncludedInMeasurementOfLeaseLiabilitiesAbstract + ReferencesNo definition available. + Details Name:

atra\_Cashpaidforamountsincludedinmeasurementsforlease liabilities abstract Namespace Prefix: atra\_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of cash outflow for principal payment on finance lease. + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 5 -Subparagraph \(a\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-5 + Details Name: us-gaap\\_FinanceLeasePrincipalPayments](http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4) Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration XML 49 R43.htm IDEA: XBRL DOCUMENT v3.24.3 Restructuring (Additional Information) (Details) - USD (\$) \$ in Millions Sep. 30, 2024 Jan. 31, 2024 Nov. 30, 2023 Restructuring and Related Activities [Abstract] Á Á Á Reduction in current workforce Á 25.00% 30.00% Supplemental Unemployment Benefits, Severance Benefits Á \$ 5.1 \$ 6.7 Restructuring Liability \$ 0.2 Á Á X - DefinitionReduction in current workforce percentage + ReferencesNo definition available. + Details Name: atra\_ReductionInCurrentWorkforcePercentage Namespace Prefix: atra\_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - DefinitionRestructuring Liability Jan 2024 + ReferencesNo definition available. + Details Name: atra\_RestructuringLiabilityJan2024 Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap\_RestructuringAndRelatedActivitiesAbstract Namespace Prefix: us-gaap\_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionLiability for amount due employees, in addition to wages and any other money that employers owe employees, when their employment ends through a layoff or other termination. For example, a company may provide involuntarily terminated employees with a lump sum payment equal to one week's salary for every year of employment. + ReferencesNo definition available. + Details Name: us-gaap\_SupplementalUnemploymentBenefitsSeveranceBenefits Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 50 R44.htm IDEA: XBRL DOCUMENT v3.24.3 Restructuring - Summary of future termination benefit payments (Details) - USD (\$) \$ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Restructuring Cost and Reserve [Line Items] Á Á Á Total restructuring charges \$ 0 \$ 0 \$ 5,107 \$ 45 General and administrative Á Á Á Restructuring Cost and Reserve [Line Items] Á Á Á Total restructuring charges 0 0 1,357 45 Research and development Á Á Á Restructuring Cost and Reserve [Line Items] Á Á Á Á Total restructuring charges \$ 0 \$ 0 \$ 3,750 \$ 0 X - DefinitionAmount of expenses associated with exit or disposal activities pursuant to an authorized plan. Excludes expenses related to a discontinued operation or an asset retirement obligation. + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph \(SAB Topic 5.P.4.b.1\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-2](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)Reference 3: [http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SAB Topic 5.P.3\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-1](http://www.xbrl.org/2009/role/commonPracticeRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482047/420-10-45-3) + Details Name: us-gaap\_RestructuringCharges 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 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph \(SAB Topic 5.P.4.b.1\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-2](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.d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-2)Reference 2: [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-S99-2](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-S99-2)Reference 4: [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](http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph \(d\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1](http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1) + Details Name: us-gaap\_RestructuringCostAndReserveLineItems Namespace Prefix: us-gaap\_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap\_RestructuringPlanAxis=us-gaap\_GeneralAndAdministrativeExpenseMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_RestructuringPlanAxis=us-gaap\_ResearchAndDevelopmentExpenseMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 51 R45.htm IDEA: XBRL DOCUMENT v3.24.3 Restructuring - Restructuring liability activity (Details) - USD (\$) \$ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Restructuring and Related Activities [Abstract] Á Á Á Liability balance, January 1, 2024 Á Á \$ 4,923 Á Restructuring charges \$ 0 \$ 0 5,107 \$ 45 Cash payments Á Á (9,157) Á Non-cash settlements/adjustments Á Á (666) Á Liability balance, September 30, 2024 \$ 207 Á \$ 207 Á X - DefinitionNon-cash Settlements + ReferencesNo definition available. + Details Name: atra\_NonCashSettlements Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash payments made as the result of exit or disposal activities. Excludes payments associated with a discontinued operation or an asset retirement obligation. + ReferencesReference 1: [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](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)Reference 2: [http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph \(SAB Topic 5.P.4.b.1\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-2](http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 17 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-17)Reference 3: [http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SAB Topic 5.P.3\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-1](http://www.xbrl.org/2009/role/commonPracticeRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482047/420-10-45-3) + Details Name: us-gaap\_RestructuringCharges Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: debit 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 \(b\)\(2\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1](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-S99-2) + Details Name: us-gaap\_RestructuringReserve Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 52 R46.htm IDEA: XBRL DOCUMENT v3.24.3 Commitments and Contingencies - Additional Information (Detail) - USD (\$) \$ in Millions 3 Months Ended 9 Months Ended Apr. 04, 2022 Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2023 Dec. 31, 2023 Loss Contingencies [Line Items] Á Á Á Á Á Contractual obligations due to Bayer, MSK and QIMR Á \$ 0.0 Á \$ 0.0 Á \$ 0.0 Minimum commitments Expense Á 3.0 \$ 2.8 9.7 \$ 16.1 Á Accrued termination charges Á 0.0 Á 0.0 Á 0.0 Liabilities related to indemnification agreements Á 0.0 Á 0.0 Á 0.0 Sub Licensing Fees Á 6.0 Á 6.0 Á Á Minimum purchase commitments accrued Á 3.2 Á \$ 3.2 Á \$ 11.2 Fujifilm Master Services and Supply Agreement Á Á Á Á Á Loss Contingencies [Line Items] Á Á Á Á Á Supply agreement maximum extension term 10 years Á Á Á Á MSK License Agreements Á Á Á Á Á Loss Contingencies [Line Items] Á Á Á Á Á Sub Licensing Fees Á 6.0 Á Á Á Upfront and milestone payments Á \$ 60.0 Á Á Á Á X - DefinitionAccrued termination charges. + ReferencesNo definition available. + Details Name: atra\_AccruedTerminationCharges Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionContractual obligations due to licensors. + ReferencesNo definition available. + Details Name: atra\_ContractualObligationsDueToLicensors Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionLiabilities related to indemnification agreements. + ReferencesNo definition available. + Details Name: atra\_LiabilitiesRelatedToIndemnificationAgreements Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionMinimum commitments Expense + ReferencesNo definition available. + Details Name: atra\_MinimumCommitmentsExpense Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionMinimum purchase commitments accrued + ReferencesNo definition available. + Details Name: atra\_MinimumPurchaseCommitmentsAccrued Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionSub Licensing Fees + ReferencesNo definition available. + Details Name: atra\_SubLicensingFees Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionSupply agreement maximum extension term. + ReferencesNo definition available. + Details Name: atra\_SupplyAgreementMaximumExtensionTerm Namespace Prefix: atra\_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionUpfront and Milestone Payments + ReferencesNo definition available. + Details Name: atra\_UpfrontAndMilestonePayments Namespace Prefix: atra\_ 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/2009/role/commonPracticeRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(a\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2009/role/commonPracticeRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-4)Reference 3: <http://www.xbrl.org/2003/role/disclosureRef -Topic 720 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483359/720-20-50-1>Reference 4: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/exampleRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 27 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482395/460-10-55-27)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI 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https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6: [http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9](http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9)Reference 6:

Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-4Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-1 + Details Name: us-gaap\_LossContingenciesLineItems Namespace Prefix: us-gaap\_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap\_TypeOfArrangementAxis=atra\_FulfillmentMasterServicesAndSupplyAgreementMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_TypeOfArrangementAxis=atra\_MskLicenseAgreementsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 53 R47.htm IDEA: XBRL DOCUMENT v3.24.3 Stockholders' Equity (Deficit) - Additional Information (Detail) - USD (\$) \$ / shares in Units, \$ in Millions 1 Months Ended 3 Months Ended 9 Months Ended Sep. 03, 2024 Jan. 02, 2024 Apr. 25, 2022 Sep. 30, 2024 Jan. 31, 2024 Sep. 30, 2024 Sep. 30, 2024 Sep. 30, 2023 Dec. 31, 2023 Dec. 31, 2020 May 31, 2020 Jul. 31, 2019 Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Á Á Á Á Á Á Á Á Á Á Á Authorized capital stock Á Á 520,000,000 Á 520,000,000 520,000,000 Á 520,000,000 Á Á Common stock, par value Á Á Á \$ 0.0001 Á \$ 0.0001 Á \$ 0.0001 Á Á Common stock, shares authorized Á Á 500,000,000 Á 500,000,000 500,000,000 Á Á Preferred stock, par value Á Á Á \$ 0.0001 Á \$ 0.0001 Á \$ 0.0001 Á \$ 0.0001 Á Á Preferred stock, shares authorized Á Á 20,000,000 Á 20,000,000 20,000,000 Á 20,000,000 Á Á Preferred stock, shares outstanding Á Á 0 Á 0 Á 0 Á 0 Á Shares Issued, Price per Share \$ 8.25 Á Á Á Á Á Á Á Common stock, shares issued 758,900 Á Á Á Á Á Á Á Common stock value remaining to be sold Á Á \$ 88.7 Á \$ 88.7 Á Á Á Shares of common stock, reserved for issuance Á Á 1,252,221 Á 1,252,221 1,252,221 Á Á 2014 Equity Incentive Plan Á Á Á Á Á Á Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Á Á Á Á Á Á Á Á Shares of common stock, reserved for issuance Á Á 695,311 Á 695,311 695,311 Á Á Á 2024 Equity Incentive Plan Á Á Á Á Á Á Á Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Á Á Á Á Á Á Á Shares of common stock, reserved for issuance Á Á 343,901 Á 343,901 343,901 Á Á Á Additional shares of common stock, reserved for issuance Á Á 40,000 Á 40,000 40,000 Á Á Á Inducement Plan Á Á Á Á Á Á Á Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Á Á Á Á Á Á Á Shares of common stock, reserved for issuance Á Á 172,819 Á 172,819 172,819 Á Á Á Outstanding options and RSUs Á Á 52,962 Á 52,962 52,962 Á Á Á Aggregate number of awards available for grant to be issued Á Á 119,857 Á 119,857 119,857 Á Á Á Additional shares of common stock, reserved for issuance Á Á 60,000 Á 60,000 60,000 Á Á Á Restricted Stock Units (RSUs) | 2014 Equity Incentive Plan Á Á Á Á Á Á Á Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Á Á Á Á Á Á Á Unrecognized stock-based compensation weighted average recognition period Á Á Á 1 year 6 months Á Á Á Unrecognized stock-based compensation Á Á \$ 18.7 Á \$ 18.7 Á Á Á Employee Stock Option | 2014 Equity Incentive Plan Á Á Á Á Á Á Á Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Á Á Á Á Á Á Á Unrecognized stock-based compensation weighted average recognition period Á Á Á 1 year 3 months 18 days Á Á Á Unrecognized stock-based compensation Á Á \$ 7.0 Á \$ 7.0 Á Á Á Minimum [Member] Á Á Á Á Á Á Á Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Á Á Á Á Á Á Á Á Percentage of employees purchase price of common stock Á Á Á 100.00% Á Á Á Minimum [Member] | Employees And Non Employees Á Á Á Á Á Á Á Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Á Á Á Á Á Á Á Employees based compensation, vesting period Á Á Á Á 3 years Á Á Á Stock option granted description terms Á Á Á Á the exercise price of an option granted to a 10% shareholder cannot be less than 110% of the estimated fair value of the shares on the date of grant. Options granted generally vest over three or four years and expire in seven to ten years. Á Á Á Share based compensation award expiration period Á Á Á 7 years Á Á Á Maximum [Member] | Restricted Stock Units (RSUs) | From Date Of Grant Á Á Á Á Á Á Á Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Á Á Á Á Á Á Á Share based compensation, vesting period Á Á Á Á 4 years Á Á Á Maximum [Member] | Employees And Non Employees Á Á Á Á Á Á Á Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Á Á Á Á Á Á Á Share based compensation, vesting period Á Á Á Á 4 years Á Á Á Share based compensation award expiration period Á Á Á Á 10 years Á Á Á Warrant Á Á Á Á Á Á Á Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Á Á Á Á Á Á Á Number of warrants issued 3,604,780 Á Á Á Á Á Warrant | May 2020 Warrants [Member] Á Á Á Á Á Á Á Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Á Á Á Á Á Á Á Number of warrants issued Á Á Á 1,090,907 Á Á Á Underwritten Public Offering | 2019 Warrants Á Á Á Á Á Á Á Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Á Á Á Á Á Á Á Warrants outstanding Á Á Á 101,089 Á Á Á Warrants outstanding Á Á Á Á Á 101,089 Á Á Á Underwritten Public Offering | January 2024 Warrants [Member] Á Á Á Á Á Á Á Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Á Á Á Á Á Á Á Warrants outstanding Á Á Á 1,090,907 Á 1,090,907 1,090,907 Á Á Á Warrants outstanding Á Á Á 1,090,907 Á 1,090,907 1,090,907 Á Á Á Underwritten Public Offering | Warrant Á Á Á Á Á Á Á Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Á Á Á Á Á Á Á Number of warrants issued Á Á Á Á Á Á Á 117,801 Number of securities called by each warrant Á Á 1,000 1,000 1,000 Á Á 1 Warrants, exercise price Á Á \$ 0.0001 Á \$ 0.0025 Á \$ 0.0001 Á \$ 0.0001 Á Á 0.0025 Warrants, term Á Á 7 years Á Á Á Á Á Maximum ownership Percentage Á Á 9.99% 9.99% Á Á Á Warrants outstanding Á Á 3,604,780 Á 3,604,780 3,604,780 Á Á Á Warrants outstanding Á Á 3,604,780 Á 3,604,780 3,604,780 Á Á Á Warrants, exercise price Á Á \$ 0.0001 Á \$ 0.0025 Á \$ 0.0001 Á \$ 0.0001 Á Á 0.0025 Underwritten Public Offering | Warrant | Minimum [Member] Á Á Á Á Á Á Á Á Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Á Á Á Á Á Á Á Maximum ownership Percentage Á Á 4.99% Á Á Á Á Á Prior notice period Á Á 61 days 61 days 61 days Á Á Á Á Á Underwritten Public Offering | Warrant | Maximum [Member] Á Á Á Á Á Á Á Á Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Á Á Á Á Á Á Á Maximum ownership Percentage Á Á 19.99% 19.99% 19.99% Á Á Á Underwritten Public Offering | Warrant | December 2020 Warrants [Member] Á Á Á Á Á Á Á Á Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Á Á Á Á Á Á Á Number of warrants issued Á Á Á Á Á Á Á 81,632 Á Á Warrants outstanding Á Á 55,387 Á 55,387 55,387 Á Á Á Warrants outstanding Á Á 55,387 Á 55,387 55,387 Á Á Á Underwritten Public Offering | Warrant | May 2020 Warrants [Member] Á Á Á Á Á Á Á Á Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Á Á Á Á Á Á Á Number of warrants issued Á Á Á Á Á Á Á 114,678 Á Warrants outstanding Á Á 38,735 Á 38,735 38,735 Á Á Á Warrants outstanding Á Á 38,735 Á 38,735 38,735 Á Á Á Direct Registered Offering Á Á Á Á Á Á Á Á Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Á Á Á Á Á Á Á Warrants, exercise price Á Á \$ 8.2499 Á \$ 8.2499 Á \$ 8.2499 Á Á Á Warrants, exercise price Á Á \$ 8.2499 Á \$ 8.2499 Á \$ 8.2499 Á Á Á Shares Issued, Price per Share Á Á \$ 13.7475 Á Á Á Á Á Proceeds from sale of pre-funded warrants to purchase common stock, gross \$ 36.0 \$ 15.0 Á Á Á Á Á Á Á Proceeds from sale of pre-funded warrants to purchase common stock, net \$ 35.8 \$ 14.8 Á Á Á Á Á Á Á At The Market Offering | Cowen Á Á Á Á Á Á Á Á Share Based Compensation Arrangement By Share Based Payment Award [Line Items] Á Á Á Á Á Á Á Common stock aggregate offering price Á Á \$ 100.0 Á \$ 100.0 Á \$ 100.0 Á Á Percentage of commission to be paid on gross sales proceeds of common stock sold Á Á Á 3.00% Á Á Á Common stock, shares issued Á Á Á 492,855 5,917 Á Á Á Common stock average price Á Á Á \$ 19.23 Á 116 Á Á Á Proceeds from sale of pre-funded warrants to purchase common stock, gross Á Á Á \$ 9.5 Á 0.7 Á Á Á Proceeds from sale of pre-funded warrants to purchase common stock, net Á Á Á \$ 9.3 Á 0.6 Á Á Á X - DefinitionAggregate Offering Price of common stock. + ReferencesNo definition available. + Details Name: atra\_AggregateOfferingPriceOfCommonStock Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionClass of warrant or right number of warrants issued. + ReferencesNo definition available. + Details Name: atra\_ClassOfWarrantOrRightNumberOfWarrantsIssued Namespace Prefix: atra\_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionClass of warrant or right, term. + ReferencesNo definition available. + Details Name: atra\_ClassOfWarrantOrRightTerm Namespace Prefix: atra\_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionCommon stock average price. + ReferencesNo definition available. + Details Name: atra\_CommonStockAveragePrice Namespace Prefix: atra\_ Data Type: dtr-types:perShareItem Balance Type: na Period Type: duration X - DefinitionCommon stock capital additional shares reserved for future issuance. + ReferencesNo definition available. + Details Name: atra\_CommonStockCapitalAdditionalSharesReservedForFutureIssuance Namespace Prefix: atra\_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionCommon stock value remained available to be sold. + ReferencesNo definition available. + Details Name: atra\_CommonStockValueRemainedAvailableToBeSold Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionMaximum ownership percentage. + ReferencesNo definition available. + Details Name: atra\_MaximumOwnershipPercentage Namespace Prefix: atra\_ Data Type: dtr-types:percentItem Balance Type: na Period Type: duration X - DefinitionPercentage of commission to be paid on gross sales proceeds of common stock sold. + ReferencesNo definition available. + Details Name: atra\_PercentageOfCommissionToBePaidOnGrossSalesProceedsOfCommonStockSold Namespace Prefix: atra\_ Data Type: dtr-types:percentItem Balance Type: na Period Type: duration X - DefinitionPrior notice period to increase or decrease maximum ownership percentage. + ReferencesNo definition available. + Details Name: atra\_PriorNoticePeriodToIncreaseOrDecreaseMaximumOwnershipPercentage Namespace Prefix: atra\_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionProceeds from issuance of common stock gross. + ReferencesNo definition available. + Details Name: atra\_ProceedsFromIssuanceOfCommonStockGross Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionProceeds from issuance of common stock net. + ReferencesNo definition available. + Details Name: atra\_ProceedsFromIssuanceOfCommonStockNet Namespace Prefix: atra\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionShare based compensation arrangement by share based payment award equity instruments options and restricted stock units outstanding. + ReferencesNo definition available. + Details Name: atra\_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOptionsAndRestrictedStockUnitsOutstanding Namespace Prefix: atra\_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionNumber of authorized capital units or capital shares. This element is relevant to issuers of face-amount certificates and registered investment companies. + ReferencesNo definition available. + Details Name: us-gaap\_CapitalUnitsAuthorized Namespace Prefix: us-gaap\_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant 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/1943274/214748

gaap\_ClassOfWarrantOrRightOutstanding Namespace Prefix: us-gaap\_Data Type: xbrli:sharesItem Type Balance Type: na Period Type: instant X - DefinitionAggregate number of common shares reserved for future issuance. + ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SX 210.5-02\(29\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1](http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1) + Details Name: us-gaap\_CommonStockCapitalSharesReservedForFutureIssuance Namespace Prefix: us-gaap\_Data Type: xbrli:sharesItem Type Balance Type: na Period Type: instant 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](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:perShareItem Type 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-S99-1](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)Reference 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](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:sharesItem Type Balance Type: na Period Type: instant X - DefinitionWeighted-average period over which cost not yet recognized is expected to be recognized for award under share-based payment arrangement, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph \(i\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2](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:durationItem Type 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](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:monetaryItem Type Balance Type: debit Period Type: instant X - DefinitionFace amount or stated value per share of preferred stock nonredeemable or redeemable solely at the option of the issuer. + ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SX 210.5-02\(28\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1](http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1)Reference 2: [http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph \(a\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13](http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13) + Details Name: us-gaap\_PreferredStockParOrStatedValuePerShare Namespace Prefix: us-gaap\_Data Type: dtr-types:perShareItem Type Balance Type: na Period Type: instant X - DefinitionThe maximum number of nonredeemable preferred shares (or preferred stock redeemable solely at the option of the issuer) permitted to be issued by an entity's charter and bylaws. + ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SX 210.5-02\(28\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1](http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1)Reference 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](http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1) + Details Name: us-gaap\_PreferredStockSharesAuthorized Namespace Prefix: us-gaap\_Data Type: xbrli:sharesItem Type Balance Type: na Period Type: instant X - DefinitionAggregate share number for all nonredeemable preferred stock (or preferred stock redeemable solely at the option of the issuer) held by stockholders. Does not include preferred shares that have been repurchased. + ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SX 210.5-02\(28\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1](http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1)Reference 2: [http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph \(SX 210.6-05\(4\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2](http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2)Reference 3: [http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph \(SX 210.6-09\(4\)\(b\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3](http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3)Reference 4: [http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SX 210.6-04\(16\)\(a\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1](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)Reference 5: [http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph \(SX 210.6-09\(7\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3](http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3) + Details Name: us-gaap\_PreferredStockSharesOutstanding Namespace Prefix: us-gaap\_Data Type: xbrli:sharesItem Type Balance Type: na Period Type: instant X - DefinitionPeriod over which grantee's right to exercise award under share-based payment arrangement is no longer contingent on satisfaction of service or performance condition, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. Includes, but is not limited to, combination of market, performance or service condition. + ReferencesReference 1: [http://www.xbrl.org/2003/role/exampleRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph \(a\)\(1\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2](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:durationItem Type 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/1943274/2147480483/718-10-35-1D>Reference 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/1943274/2147480483/718-10-35-3>Reference 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/1943274/2147480429/718-10-50-2](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/1943274/2147480429/718-10-50-2)Reference 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/1943274/2147480429/718-10-50-2](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/1943274/2147480429/718-10-50-2)Reference 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/1943274/2147480429/718-10-50-2](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/1943274/2147480429/718-10-50-2)Reference 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/1943274/2147480429/718-10-50-2](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/1943274/2147480429/718-10-50-2)Reference 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/1943274/2147480429/718-10-50-2](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)Reference 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/1943274/2147480429/718-10-50-2](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)Reference 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/1943274/2147480429/718-10-50-2](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/1943274/2147480429/718-10-50-2)Reference 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/1943274/2147480429/718-10-50-2](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)Reference 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/1943274/2147480429/718-10-50-2](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)Reference 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/1943274/2147480429/718-10-50-2](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)Reference 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/1943274/2147480429/718-10-50-2](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/1943274/2147480429/718-10-50-2)Reference 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/1943274/2147480429/718-10-50-2](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/1943274/2147480429/718-10-50-2)Reference 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/1943274/2147480429/718-10-50-2](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)Reference 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/1943274/2147480429/718-10-50-2](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/1943274/2147480429/718-10-50-2)Reference 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/1943274/2147480429/718-10-50-2](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)Reference 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/1943274/2147480429/718-10-50-2](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)Reference 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/1943274/2147480429/718-10-50-2](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)Reference 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/1943274/2147480429/718-10-50-2](http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2)Reference 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/1943274/2147480429/718-10-50-2](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)Reference 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/1943274/2147480429/718-10-50-2](http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2)Reference 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/1943274/2147480429/718-10-50-2](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)Reference 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/1943274/2147480429/718-10-50-2](http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2)Reference 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/1943274/2147480429/718-10-50-2](http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2)Reference 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/1943274/2147480429/718-10-50-2](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/1943274/2147480429/718-10-50-2)Reference 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/1943274/2147480429/718-10-50-2](http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(iv) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2)Reference 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](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:stringItem Type Balance Type: na Period Type: duration 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:

Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 4:

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:

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-S99-1](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-S99-1)Reference 2: [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](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. + ReferencesNo definition available. + Details Name: us-gaap_EmployeeServiceShareBasedCompensationAllocationOffRecognizedPeriodCostsLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_IncomeStatementLocationAxis=us-gaap_ResearchAndDevelopmentExpenseMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_IncomeStatementLocationAxis=us-gaap_GeneralAndAdministrativeExpenseMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 58 R52.htm IDEA: XBRL DOCUMENT v3.24.3 Supplemental Balance Sheet Information (Additional Information) (Details) - USD ($) $ in Millions 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Supplemental Balance Sheet Information [Abstract] Å Å Å Depreciation expense $ 0.6 $ 0.9 $ 2.2 $ 2.8 X - DefinitionSupplemental Balance Sheet Information [Abstract] + ReferencesNo definition available. + Details Name: atra_SupplementalBalanceSheetInformationAbstract Namespace Prefix: atra_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe amount of expense recognized in the current period that reflects the allocation of the cost of tangible assets over the assets' useful lives. Includes production and non-production related depreciation. + ReferencesReference 1: <a href=)Reference 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](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 XML 59 R53.htm IDEA: XBRL DOCUMENT v3.24.3 Supplemental Balance Sheet Information - Schedule of Inventories (Details) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Supplemental Balance Sheet Information [Abstract] Å Å Raw Materials $ 1,652 $ 2,335 Work-in-process 12,328 7,371 Total inventories $ 13,980 $ 9,706 X - DefinitionSupplemental Balance Sheet Information [Abstract] + ReferencesNo definition available. + Details Name: atra_SupplementalBalanceSheetInformationAbstract Namespace Prefix: atra_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration 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: <a href=)Reference 2: [http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1](http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1)Reference 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](http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1) + Details Name: us-gaap\_InventoryNet Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount before valuation and LIFO reserves of raw materials expected to be sold, or consumed within one year or operating cycle, if longer. + ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SX 210.5-02\(6\)\(a\)\(4\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1](http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1) + Details Name: us-gaap\_InventoryRawMaterials Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount before valuation and LIFO reserves of merchandise or goods in the production process expected to be completed within one year or operating cycle, if longer. + ReferencesReference 1: [http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SX 210.5-02\(6\)\(a\)\(3\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1](http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(a)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1) + Details Name: us-gaap\_InventoryWorkInProgress Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 60 R54.htm IDEA: XBRL DOCUMENT v3.24.3 Supplemental Balance Sheet Information - Schedule of Property and Equipment (Details) - USD (\$) \$ in Thousands Sep. 30, 2024 Dec. 31, 2023 Supplemental Balance Sheet Information [Line Items] Å Å Property and equipment, gross \$ 19,708 \$ 19,725 Less: accumulated depreciation and amortization (18,047) (15,869) Property and equipment, net 1,661 3,856 Leasehold Improvements [Member] Å Å Supplemental Balance Sheet Information [Line Items] Å Å Property and equipment, gross 930 904 Lab equipment [Member] Å Å Supplemental Balance Sheet Information [Line Items] Å Å Property and equipment, gross 15,553 15,540 Machinery and Equipment [Member] Å Å Supplemental Balance Sheet Information [Line Items] Å Å Property and equipment, gross 572 572 Computer equipment and software [Member] Å Å Supplemental Balance Sheet Information [Line Items] Å Å Property and equipment, gross 1,381 1,279 Furniture and Fixtures [Member] Å Å Supplemental Balance Sheet Information [Line Items] Å Å Property and equipment, gross 1,272 1,272 Construction in Progress [Member] Å Å Supplemental Balance Sheet Information [Line Items] Å Å Property and equipment, gross \$ 0 \$ 158 X - DefinitionSupplemental Balance Sheet Information [Line Items] + ReferencesNo definition available. + Details Name: atra\_SupplementalBalanceSheetInformationLineItems Namespace Prefix: atra\_ 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-S99-1](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-S99-1)Reference 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-S99-1](http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(14)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1)Reference 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](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-S99-1](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-S99-1)Reference 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-S99-1](http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(13)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1)Reference 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](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/1943274/2147482099/360-10-50-1>Reference 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/1943274/2147478964/842-20-50-7A](http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-7A)Reference 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/1943274/2147481372/852-10-55-10>Reference 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-S99-1](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-S99-1)Reference 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=us-gaap\_LeaseholdImprovementsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_PropertyPlantAndEquipmentByTypeAxis=atra\_LabEquipmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_PropertyPlantAndEquipmentByTypeAxis=us-gaap\_MachineryAndEquipmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_PropertyPlantAndEquipmentByTypeAxis=us-gaap\_ComputerEquipmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_PropertyPlantAndEquipmentByTypeAxis=us-gaap\_FurnitureAndFixturesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap\_PropertyPlantAndEquipmentByTypeAxis=us-gaap\_ConstructionInProgressMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 61 R55.htm IDEA: XBRL DOCUMENT v3.24.3 Supplemental Balance Sheet Information - Schedule of Other Current Liabilities (Details) - USD (\$) \$ in Thousands Sep. 30, 2024 Dec. 31, 2023 Supplemental Balance Sheet Information [Abstract] Å Å Accrued operating expenses \$ 8,059 \$ 19,007 Current portion of operating lease liabilities 13,652 11,264 Current portion of finance lease liabilities 1,006 915 Other accrued liabilities 927 640 Total other current liabilities \$ 23,644 \$ 31,826 X - DefinitionSupplemental Balance Sheet Information [Abstract] + ReferencesNo definition available. + Details Name: atra\_SupplementalBalanceSheetInformationAbstract Namespace Prefix: atra\_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration 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](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 - DefinitionPresent value of lessee's discounted obligation for lease payments from finance 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](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\_FinanceLeaseLiabilityCurrent Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease, classified as current. + ReferencesReference 1: [http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph \(b\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1](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 - DefinitionAmount of expenses incurred but not yet paid classified as other, due within one year or the normal operating cycle, if longer. + ReferencesReference 1: [http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph \(SX 210.5-02\(20\)\) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1](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/1943274/2147479041/842-20-45-1)

https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap\_OtherAccruedLiabilitiesCurrent Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItem Type Balance Type: credit Period Type: instant X - DefinitionAmount of liabilities classified as other, due within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10 + Details Name: us-gaap\_OtherLiabilitiesCurrent Namespace Prefix: us-gaap\_ Data Type: xbrli:monetaryItem Type Balance Type: credit Period Type: instant EXCEL 62 Financial Report.xlsx IDEA: XBRL DOCUMENT begin 644 Financial Report.xlsx M4\$L.#!!0 ( \$B!;%D'04UB@0 + \$ 0 9&]C4')O<',O87!P+GAM M;\$V./0L",1!\$ \IQO;=!P4)B0-!2L+(/>QLOD&1#LD)^OCG!CVX>;QA&WPIG M\*N\*1#BV&5( C(I(/!47BK9.7.=N')=HI6-Y #OGDK7A.YNJQ<&4GPZ4A!0W\_J=0U[R;UEA\_6)#M!7E!+ P04 M " !(@6Q9^4Y=S.X K @ \$0 &1O8U!R;W!S+V-O&ULS9+! M:L,P#(9?9? B>R\$Y'#R;-96.G%>@8K;QF9+4UBQUC:R1]^R59FS\*V!]C1TN]/ MGT U1HU=HN?414KL\*^-\O@U98]R(\$W/4 !E/Y\$TNQT08FXVAAM@@C\$EG\[+9!?B7/T3.W=7))#=#DNJ[ NR7\VY<0<%;[OMR[QNX4)F M\$Y#&7]EI/D?:B.ODU]7#X Y)-)6L[@NE"E7M\*Z65U'+]/KG^~\+L)^ZZ@\_O' MQE?!IH9?=%\ 5!+ P04 " !(@6Q9F5R<(Q & "<P) \$P \$P \$AL+W1H M96UE+W1H96UE,2YX;6SM6EMSV<@4?N^OT^AG]FT+QC:!!MK03621A'^\_1S80RY8-[9]-NIL!"SI^Y%1^?H.'GS[BYBZ:(E)/X M8-DOV]:[MR >X%#BVR]\*+ M41B1%G(@M MNN01.+5)#3(3/PB=AI)J4!P" I DQE]&^+3&K!'@ \$WVWO@C(WXV)[ZMOFCU7 MH5A)VH3X\$#\$8.XIQSYG/1;/L!4;1]E6W\*.76!4!EQC?~HU+,76>]7 \;V< M/!T3\$LV4"P9!AI@S M&L%&KQMUAVC2/"K^! ? F<-0HACA\*FNVB<5@\$\_9Y>PTG!Z(+ +9OVX?H;5,VPLCO='U!=='\*Y \FIS\_I.C0' MHYI9';V\$5FJ?JH,@H%&D>/N5Z> HWEL:\4\*Z">'P'\_T=HWPJOX@L Y M?RY]SZ7ON? 0]H=\*W-R-J9\3BUO>1FY;Q/NN,=K7-"XH8U=RSTS0LS0[=R2^JVE+ZU)CA\* M]+,.<\$X>RPP[9SR2';9WH!TU^\_9==N0CI3!3ET.X&D\*^ VVZG=PZ.)Z8D;D\* MTU\*0;VYZ<5X&N(YV02Y?9A7;>?8T='[Y%1L\*/O/)/8=QXCRHB\NH8:8S\~# MAWE[7YAGE<90-!1M:\*PD+\$.:W8+C7\2P4X&1@+~:'@Z]1 O)256 Q6\8#\*Y"B M? \$R,1>APYY=<7^/1DN;/IF6U;[I=QEM(E(YPFF8\$V>KRMVEL<%5'<]56\_\*P MOFH]M15.S\_Y9KF4Q9Z;RWRT,"2Q;B%D2XDUXD=[=7GFYRN>B)V^I=W MP6#R\_7#1P\_E.^=?]%U#KG[VW>/Z,I,]2\$R<><41 71% B.5' 86%S+D4.Z2 MD 83 >LX=SFWJ]XPD6L\_UC6'ODRWSEPVSK> U[F M\$RQ#T'!]? (4R&5B0^W4C(WX]&]JCGAG=[9@=U0,EA)BAF]G0\_W M:FT\_5-81+P&/#\^+4.\_9.2 PKQN".Y4SY:MTR6J[\AY47->'.9Y&V8^ MB@?G\$ER"P^- "PWN<:JCKRV5:SKEK\_B!JT%;&/7:?'1,B+NK\*N),\_=+10 M7B[EUXV(]=@]=OV^3?N;.01%E5U!;0~\*T9)5P>B1+T.JV@/R'8O-B+B1.W[(1, [[Q3(S;JUA6[23@VFBFVV!ZTL83VG4\*0>R&\_ME]FP+;N3\$'=LXC&![ "8\$V7AT]3AOPP@2N@>3 MT5) (Y\$TF>^ #WM."29!;6CD/48HLIM49.-1IN\*=Q2R'R'6>P<>9N=?B M/FV1#Y=UQ6LRD8U'F0KO)N9RJ4?E+^"@5L03<#0\X(>)(QS1)AQ1/,U4+3IG M+V0:P,P3+D\*\_\_+VA'7>/Y7#~:9\_H+MG MS\;U%M=WQ6WR\$STH/J6X.C9QS?L@Q3I,?/\_ QCT]UPAZC !%FP!%#PI0->B# MR!0\$XS\_#% (9B8,;\$'2]LAYI[\#\$B%&TB%,6C3]%C7V]MTSZ]3-T;D8X0FVH0FBN><>:@@)HD%L>F/3S^1\*D,98^\$>)PB4\_M,420F1+^(\PE)F21K%N6?N61\L6-J MC9]\$9#R+P W<^~:QQL5E7;F.Y.3@,6?;G.3FQ5^Q9,E;?WG98W3GSMZ[QD,( M7-B5L(E&SD'1:+;BL'E#[C1[;%KW+BN\*[. \*=EAOR&]&5NSXDR1W.<\*UL]\$ M=UPC; <]/BO=1H6;/MU>3T9GHXNS\$2R\_ZUW\$PK-9/ MZX-LMSB^'32OEZ?@GYC>L68DX@N06J=G.VR/%@N;Y1(B[/9)Z&4B(O+ %6Z"^HC\_ ^ZH]T=1 M? Y%;SA7Z6A:5O%YLE=I+=IEW-6<9:U262R) MYX7+DN758G75/KNK5U>B445>\;L:R:8L6?WTGA?B\7]!\%W/N8/6Z4?+%>=7 M. ;UUQ]WMW5<+<v6,GRDE9Z\OY? WE"J]5J)/W/^\*\$?72+MR+@07 M??,ANUYX&A\$O>\*]T"09\_>W[#BT); AQ\_JT87AS&UXOCZV?K/K?/@S#V3\_\$84 M?^69VEXO@7\*^(8UA? HH'G\_AO4.!MI>\*0K: Z+&7]18H;:029:~."JJO[9 MUSX0(P7LSRB07H&\5H'V"FWDEAVRUJU;IMCJ]A:/J~:28\$U?M+%IM<&;O+>3 MN%8UO,U!3ZUN1)7!// ,P94419XQ!3?O6<&]E\*.U-BS1R>>~\*5D.;T[1.?] MOD4G;T[1&Y17Z--6-))5F;Q:\*L"CK2[3?NSWW=AD9NPUWUT@ZITAXA?'HG[C M5K\_E\*;CC5IT>JRA"H=0D\$,H2&N/SH6BJ6M>~\*<2D!)\O;?YT!GR! ;WC+N6. MI?QZ\_5M\*GK/%ZL?^?A]];FW7Q7?N@/\$/+JV!U3B@2QCP]21SC] T! ? B7.]%;4Z5[PN8:WM MN53E',C.3C >WHMH. %ID0KBV+>## X@\_R?(CX"KSE.];W0X;>@"8USL3[&Y M98Z0A0=DH1/9NS05#00,\$F[!88KO"VY%#YHC4QI,X)E"U,=>; <8'0!&3H ? M8%(K)>J<6RSB.5>U5!PU,JI MS34ZS>ST!CY#%5=6OO!,'&(&)(V M4C0.9B8W@6N3 (O#F\_Z-@\_UT47^3L/B]R!;G'RO78R4S?2O;? MR]JQTP-#83=%'8A@QY[F6 ";\$1,EK)(T7 NF>&!]J/" +3%4WFD!%"1V\*9+K& MMX(T:2B\*PG@\*TL)H..!SZ6Q@\*~RFJV>4>HI8G78E5.;WT VUB0WQKQJG