

20,000,000 Shares



Class A Common Stock

The selling stockholders named in this prospectus are offering 20,000,000 shares of our Class A common stock. We are not selling any shares under this prospectus and we will not receive any proceeds from the sale of shares by the selling stockholders.

Our Class A common stock is listed on The Nasdaq Global Select Market, or NASDAQ, under the symbol “MRVI.” On September 9, 2021, the last reported sales price of our Class A common stock on The Nasdaq Global Select Market was \$53.35 per share.

Immediately after this offering, funds controlled by our principal stockholder, GTCR, LLC (“GTCR”), will control approximately 57.4% of the combined voting power of our outstanding shares of Class A common stock and Class B common stock (or 56.3% if the underwriters’ option to purchase additional shares is exercised in full). As a result, we will continue to be a “controlled company” within the meaning of the corporate governance standards of NASDAQ.

Maravai LifeSciences Holdings, Inc. is an “emerging growth company” as the term is used in the Jumpstart Our Business Startups Act of 2012 and, as such, has elected to comply with certain reduced public company reporting requirements for this prospectus.

Investing in our Class A common stock involves risks. See “[Risk Factors](#)” beginning on page 7 to read about factors you should consider before buying shares of our Class A common stock.

NEITHER THE SECURITIES AND EXCHANGE COMMISSION NOR ANY STATE SECURITIES COMMISSION HAS APPROVED OR DISAPPROVED OF THESE SECURITIES OR PASSED UPON THE ACCURACY OR ADEQUACY OF THIS PROSPECTUS. ANY REPRESENTATION TO THE CONTRARY IS A CRIMINAL OFFENSE.

	<u>Per share</u>	<u>Total</u>
Public offering price	\$50.0000	\$1,000,000,000
Underwriting discounts and commissions(1)	\$1.1250	\$22,500,000
Proceeds, before expenses, to the selling stockholders	\$48.8750	\$977,500,000

(1) See “Underwriters” for additional information regarding underwriting compensation.

The underwriters have the option to purchase up to an additional 3,000,000 shares of our Class A common stock from the selling stockholders at the public offering price less the underwriting discounts and commissions for a period of 30 days after the date of this prospectus. We will not receive any proceeds from the sale of additional shares of Class A Common Stock by the selling stockholders.

The underwriters expect to deliver shares of Class A common stock against payment in New York, New York on or about September 14, 2021.

MORGAN STANLEY	JEFFERIES	GOLDMAN SACHS & CO. LLC	
BOFA SECURITIES		CREDIT SUISSE	UBS INVESTMENT BANK
BAIRD	WILLIAM BLAIR	STIFEL	KEYBANC CAPITAL MARKETS
ACADEMY SECURITIES	LOOP CAPITAL MARKETS	PENSERRA SECURITIES LLC	TIGRESS FINANCIAL PARTNERS

Prospectus dated September 9, 2021

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Neither we, the selling stockholders, nor any of the underwriters have authorized anyone to provide any information or make any representations other than those contained in or incorporated by reference in this prospectus or in any free writing prospectus filed with the Securities and Exchange Commission (the “SEC”) prepared by or on behalf of us to which we have referred you. Neither we, the selling stockholders, nor the underwriters take any responsibility for, and can provide no assurance as to the reliability of, any other information that others may give you. The selling stockholders are offering to sell, and seeking offers to buy, shares of Class A common stock only in jurisdictions where these offers and sales are permitted. The information contained in this prospectus is accurate only as of the date of this prospectus or the date of the applicable document incorporated by reference, regardless of the time of delivery of this prospectus or of any sale of the Class A common stock. Our business, financial condition, results of operations, and prospects may have changed since such dates. If any statement in one of these documents is inconsistent with a statement in another document having a later date (for example, a document incorporated by reference into this prospectus) the statement in the document having the later date modifies or supersedes the earlier statement.

For investors outside of the United States, neither we, the selling stockholders, nor any of the underwriters have done anything that would permit this offering or possession or distribution of this prospectus in any jurisdiction where action for that purpose is required, other than in the United States. You are required to inform yourselves about, and to observe any restrictions relating to, this offering and the distribution of this prospectus outside of the United States.

BASIS OF PRESENTATION

In connection with our initial public offering (“IPO”) in November 2020, we effected certain organizational transactions. Unless otherwise stated or the context otherwise requires, all information in this prospectus reflects the consummation of the organizational transactions, including the IPO, which we refer to collectively as the “Organizational Transactions.” See “Prospectus Summary—Ownership and Organizational Structure” for a description of the Organizational Transactions.

Unless we state otherwise or the context otherwise requires, the terms “we,” “us,” “our,” “our business,” “the Company” and “Maravai” refer to and similar references refer: (1) on or following the consummation of the Organizational Transactions, including the IPO, to Maravai LifeSciences Holdings, Inc. and its consolidated subsidiaries, including Topco LLC, and (2) prior to the consummation of the Organizational Transactions, including the IPO, to Topco LLC and its consolidated subsidiaries. The term “GTCR” or “our Principal Stockholder” refers to GTCR, LLC, our principal stockholder, and the term “Topco LLC” refers to Maravai Topco Holdings, LLC.

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We are a holding company and the sole managing member of Topco LLC and our sole asset is LLC Units of Topco LLC. Maravai LifeSciences Holdings, Inc. operates and controls all of the business and affairs and consolidates the financial results of Topco LLC. Topco LLC is the predecessor of Maravai LifeSciences Holdings, Inc. for financial reporting purposes. The Organizational Transactions are considered transactions between entities under common control. As a result, the consolidated financial statements for periods prior to the IPO and the Organizational Transactions have been adjusted to combine the previously separate entities for presentation purposes.

Unless stated otherwise, all information in this prospectus assumes no exercise by the underwriters of their option to purchase additional shares.

MARKET AND INDUSTRY DATA

Unless otherwise indicated, information included in this prospectus or incorporated by reference herein concerning economic conditions, our industry, our markets and our competitive position is based on a variety of sources, including information from independent industry analysts and publications, as well as our own estimates and research.

Our estimates are derived from publicly available information released by third-party sources, as well as data from our internal research, and are based on such data and our knowledge of our industry, which we believe to be reasonable. We have not had this information verified by any independent sources. The independent industry publications used in this prospectus or incorporated by reference in this prospectus were not prepared on our behalf. While we are not aware of any misstatements regarding any information presented in this prospectus or incorporated by reference herein, forecasts, assumptions, expectations, beliefs, estimates and projections involve risk and uncertainties and are subject to change based on various factors, including those described under the headings “Forward-Looking Statements” and “Risk Factors” in this prospectus and in our Annual Report on Form 10-K for the Year Ended December 31, 2020 and our Quarterly Reports on Form 10-Q for the Quarters Ended March 31, 2021 and June 30, 2021, each of which is incorporated by reference herein.

TRADEMARKS AND TRADENAMES

This prospectus and the documents incorporated by reference herein include our trademarks and service marks, “Maravai LifeSciences,” “TriLink BioTechnologies,” “Glen Research,” “Cygnus Technologies,” “CleanCap®” and “MockV™,” which are protected under applicable intellectual property laws and are the property of Maravai LifeSciences Holdings, Inc. or its subsidiaries. This prospectus and the documents incorporated by reference herein also contain trademarks, service marks, trade names and copyrights of other companies which are the property of their respective owners. Solely for convenience, trademarks and trade names referred to in this prospectus and the documents incorporated by reference herein may appear without the ® or ™ symbols, but such references are not intended to indicate, in any way, that we will not assert, to the fullest extent under applicable law, our rights or the rights of the applicable licensor to these trademarks and trade names.

PROSPECTUS SUMMARY

This summary highlights information contained elsewhere in this prospectus and in the documents incorporated by reference into this prospectus. This summary does not contain all of the information that you should consider before investing in our Class A common stock. For a more complete understanding of us and this offering, you should read and carefully consider the entire prospectus and the documents incorporated by reference herein, including the more detailed information set forth under “Risk Factors” and “Management’s Discussion and Analysis of Financial Condition and Results of Operations,” and our consolidated financial statements and the related notes included in our Annual Report on Form 10-K for the Year Ended December 31, 2020 and our Quarterly Reports on Form 10-Q for the Quarters Ended March 31, 2021 and June 30, 2021, each of which is incorporated by reference herein. Some of the statements in this prospectus and in the documents incorporated by reference herein are forward-looking statements. See “Forward-Looking Statements.” Unless otherwise stated, this prospectus assumes no exercise of the underwriters’ option to purchase additional shares of Class A common stock.

OVERVIEW

We are a leading life sciences company providing critical products to enable the development of drug therapies, diagnostics, novel vaccines and support research on human diseases. Our customers include many top global biopharmaceutical companies ranked by research and development expenditures according to industry consultants, and many other emerging biopharmaceutical and life sciences research companies, as well as leading academic research institutions and in vitro diagnostics companies. Our products address the key phases of biopharmaceutical development and include complex nucleic acids for diagnostic and therapeutic applications and biologic safety testing.

For a description of our business, financial condition, results of operations and other important information regarding us, see our filings with the SEC incorporated by reference in this prospectus. For instructions on how to find copies of the filings incorporated by reference in this prospectus, see “Where You Can Find More Information.”

OUR PRINCIPAL STOCKHOLDER

We have a valuable relationship with our principal stockholder, GTCR. GTCR controls the selling stockholders in this offering. Founded in 1980, GTCR is a leading growth-oriented private equity firm focused on investing in growth companies in the Healthcare, Financial Services & Technology, Technology, Media & Telecommunications and Growth Business Services industries. The Chicago-based firm pioneered The Leaders Strategy™—finding and partnering with management leaders in core domains to identify, acquire and build market-leading companies through transformational acquisitions and organic growth. Maravai is an example of the Leaders Strategy™, whereby GTCR partnered with Carl Hull to build and grow a leading life sciences platform. Since its inception, GTCR has invested more than \$20.0 billion in over 250 companies.

GENERAL CORPORATE INFORMATION

We completed our IPO on November 19, 2020, and our Class A common stock commenced trading on The Nasdaq Global Select Market. Our principal executive offices are located at 10770 Wateridge Circle, Suite 200, San Diego, California, 92121. Our telephone number is (858) 546-0004. Our website address is www.maravai.com. The information contained on, or that can be accessed through, our website is not incorporated by reference into this prospectus, and you should not consider any information contained on, or that can be accessed through, our website as part of this prospectus or in deciding whether to purchase our Class A common stock. We are a holding company and all of our business operations are conducted through, and substantially all of our assets are held by, our subsidiaries.

IMPLICATIONS OF BEING AN EMERGING GROWTH COMPANY

We qualify as an “emerging growth company” as defined in the Jumpstart Our Business Startups Act of 2012 (the “JOBS Act”). As the global aggregate market value of our voting and non-voting common stock that was held by non-affiliates exceeded \$700.0 million as of June 30, 2021, we expect to be classified as a “large accelerated filer” (as defined in Rule 12b-2 of the Securities Exchange Act of 1934, as amended (the “Exchange Act”)), and therefore expect to cease being an emerging growth company, as of December 31, 2021.

An emerging growth company may take advantage of reduced reporting requirements that are otherwise applicable to public companies until they no longer qualify as an emerging growth company. These provisions include, but are not limited to:

- not being required to comply with the independent registered public accounting firm attestation requirements of Section 404 of the Sarbanes-Oxley Act of 2002, as amended (the “Sarbanes-Oxley Act”);
- only being required to present two years of audited financial statements, plus unaudited condensed financial statements for any interim period, and related management’s discussion and analysis of financial condition and results of operations;
- having reduced disclosure obligations regarding executive compensation in our periodic reports, proxy statements and registration statements; and
- having exemptions from the requirements of holding a nonbinding advisory vote on executive compensation and stockholder approval of any golden parachute payments not previously approved.

We have elected to take advantage of certain of the reduced disclosure obligations regarding financial statements and executive compensation in this prospectus and the documents incorporated herein by reference and expect to elect to take advantage of other reduced burdens in future filings until we no longer qualify as an emerging growth company, as of December 31, 2021. As a result, the information that we provide to our stockholders may be different than you might receive from other public reporting companies in which you hold equity interests.

Under the JOBS Act emerging growth companies can delay adopting new or revised accounting standards until such time as those standards apply to private companies. We have elected to avail ourselves of the extended transition period for complying with new or revised financial accounting standards. As a result of the accounting standards election, we will not be subject to the same implementation timing for new or revised accounting standards as other public companies that are not emerging growth companies, which may make comparison of our financials to those of other public companies more difficult.

OWNERSHIP AND ORGANIZATIONAL STRUCTURE

Maravai LifeSciences Holdings, Inc. is a Delaware corporation that was formed to serve as a holding company and holds an interest in Topco LLC. Maravai LifeSciences Holdings, Inc. has not engaged in any business or other activities other than in connection with its formation, the Organizational Transactions, the IPO, the offering of its Class A common stock in April 2021 and this offering.

Immediately prior to the consummation of our IPO, we and the other direct and indirect unitholders of Topco LLC, effected a series of transactions that resulted in (i) Maravai LifeSciences Holdings, Inc. becoming the ultimate parent company of Topco LLC and (ii) the then-current unitholders in Topco LLC exchanging their interests in Topco LLC for Class A common stock of Maravai LifeSciences Holdings, Inc. We refer to these transactions as the “Organizational Transactions.”

- We amended and restated Topco LLC’s existing operating agreement (the “LLC Operating Agreement”) to, among other things, (i) modify Topco LLC’s capital structure by replacing the membership interests currently held by Topco LLC’s existing owners (beneficially owned through Maravai Life Sciences Holdings, LLC (“MLSH 1”)) with a new class of LLC Units held initially by MLSH 1 and (ii) appoint Maravai LifeSciences Holdings, Inc. as the sole managing member of Topco LLC.
- Certain of the entities (the “Blocker Entities”) through which GTCR and other existing members of MLSH 1 held their ownership interests in MLSH 1 formed Maravai Life Sciences Holdings 2, LLC (“MLSH 2”) and engaged in a series of transactions (the “Blocker Mergers”) that resulted in each of the Blocker Entities merging with and into Maravai LifeSciences Holdings, Inc., with Maravai LifeSciences Holdings, Inc. remaining as the surviving corporation. As a result of such transactions, (i) the former unitholders of the Blocker Entities became members of MLSH 2 and (ii) MLSH 2 exchanged all of the equity interests in the Blocker Entities for (x) shares of Class A common stock and (y) the right to receive payments pursuant to the Tax Receivable Agreement (as defined below).
- We entered into an exchange agreement (the “Exchange Agreement”) with MLSH 1 pursuant to which MLSH 1 is entitled to exchange LLC Units, together with an equal number of shares of Class B common stock, for shares of Class A common stock on a one-for-one basis or, at our election, for cash, from a substantially concurrent public offering or private sale (based on the price of our Class A common stock in such public offering or private sale).
- We entered into a tax receivable agreement (the “Tax Receivable Agreement”) with MLSH 1 and MLSH 2 that provides for the payment by Maravai LifeSciences Holdings, Inc. to MLSH 1 and MLSH 2, collectively, of 85% of the amount of cash savings, if any, in U.S. federal, state and local income taxes (computed using simplifying assumptions to address the impact of state and local taxes) we actually realize (or, under certain circumstances are deemed to realize in the case of an early termination payment by us, a change in control or a material breach by us of our obligations under the Tax Receivable Agreement, as discussed below) as a result of (i) certain increases in the tax basis of assets of Topco LLC and its subsidiaries resulting from purchases or exchanges of LLC Units, (ii) certain tax attributes of the Blocker Entities, Topco LLC and subsidiaries of Topco LLC that existed prior to the IPO and (iii) certain other tax benefits related to our entering into the Tax Receivable Agreement, including tax benefits attributable to payments that we are required to make under the Tax Receivable Agreement.

Upon completion of this offering, GTCR will continue to control the voting power in Maravai LifeSciences Holdings, Inc. as follows: (i) approximately 49.0% through its control of MLSH 1, or 48.0% if the underwriters exercise in full their option to purchase additional shares, and (ii) approximately 8.4% through its control of MLSH 2, or 8.2% if the underwriters exercise in full their option to purchase additional shares. See “Principal and Selling Stockholders” for additional information about MLSH 1 and MLSH 2.

Shares of Class A common stock and Class B common stock vote as a single class. Each outstanding share of Class A common stock and Class B Common stock is entitled to one vote on all matters to be voted on by stockholders generally. The Class B common stock does not have any right to receive dividends or distributions upon the liquidation or winding up of Maravai LifeSciences Holdings, Inc. In accordance with the Exchange Agreement entered into in connection with the Organizational Transactions, MLSH 1 is entitled to exchange LLC Units, together with an equal number of shares of Class B common stock, for shares of Class A common stock determined in accordance with the Exchange Agreement or, at our election, for cash from a substantially concurrent public offering or private sale (based on the price of our Class A common stock in such public offering or private sale).

Upon completion of this offering, (i) the holders of Class A common stock will have 51.0% of the voting power in Maravai LifeSciences Holdings, Inc., or 52.0% if the underwriters exercise in full their option to purchase additional shares, (ii) MLSH 1, through ownership of the Class B common stock, will have 49.0% of the voting power of Maravai LifeSciences Holdings, Inc., or 48.0% if the underwriters exercise in full their option to purchase additional shares, (iii) MLSH 1 will own 49.0% of the outstanding LLC Units in Topco LLC, or 48.0% if the underwriters exercise in full their option to purchase additional shares, and (iv) Maravai LifeSciences Holdings, Inc. will own 51.0% of the outstanding LLC Units in Topco LLC, or 52.0% if the underwriters exercise in full their option to purchase additional shares.

Our corporate structure, as described above, is commonly referred to as an “Up-C” structure, which is commonly used by partnerships and limited liability companies when they undertake an initial public offering of their business. Our Up-C structure together with the Tax Receivable Agreement allows the existing owners of Topco LLC to continue to realize tax benefits associated with owning interests in an entity that is treated as a partnership, or “passthrough” entity, for income tax purposes. One of these benefits is that taxable income of the Topco LLC that is allocated to such owners will be taxed on a flow-through basis and therefore will not be subject to corporate taxes at the entity level. Additionally, because the LLC Units that the existing owners continue to hold are exchangeable for shares of our Class A common stock or, at our option, for cash, from Topco LLC, the Up-C structure also provides the existing owners of Topco LLC potential liquidity that holders of non-publicly traded limited liability companies are not typically afforded. See “Description of Capital Stock.”

MLSH 1 holds a number of shares of our Class B common stock equal to the number of LLC Units it owns. Holders of our Class A common stock and Class B common stock are each entitled to one vote per share on all matters on which stockholders are entitled to vote.

Maravai LifeSciences Holdings, Inc. holds LLC Units, and therefore receives benefits on account of its ownership in an entity treated as a partnership, or “passthrough” entity, for income tax purposes. As Maravai LifeSciences Holdings, Inc. purchases LLC Units from MLSH 1 under the mechanism described above, it will obtain a step-up in tax basis in its share of the assets of Topco LLC and its flow-through subsidiaries. This step-up in tax basis will provide Maravai LifeSciences Holdings, Inc. with certain tax benefits, such as future depreciation and amortization deductions that can reduce the taxable income allocable to Maravai LifeSciences Holdings, Inc. Pursuant to the Tax Receivable Agreement, Maravai LifeSciences Holdings, Inc. agreed to pay MLSH 1 and MLSH 2, collectively, 85% of the value of these tax benefits; however, the remaining 15% of such benefits is available to Maravai LifeSciences Holdings, Inc. Due to the uncertainty of various factors, we cannot precisely quantify the likely tax benefits we will realize as a result of LLC Unit exchanges and the resulting amounts we are likely to pay out to LLC Unitholders pursuant to the Tax Receivable Agreement; however, we estimate that such payments may be substantial.

Generally, Maravai LifeSciences Holdings, Inc. will receive a pro rata share of any distributions (including tax distributions) made by Topco LLC to its members. Tax distributions will be calculated without regard to any applicable basis adjustment under Section 743(b) of the Internal Revenue Code (the “Code”) and will be based upon an assumed tax rate, which, under certain circumstances, may cause Topco LLC to make tax distributions that, in the aggregate, exceed the amount of taxes that Topco LLC would have paid if it were a similarly situated corporate taxpayer. Funds used by Topco LLC to satisfy its tax distribution obligations will not be available for reinvestment in our business.

THE OFFERING

Class A common stock offered by the selling stockholders in this offering	20,000,000 shares.
Option to purchase additional shares of Class A common stock from the selling stockholders	The underwriters have the option to purchase up to 3,000,000 additional shares from the selling stockholders, at the public offering price, less the underwriting discount, within 30 days of the date of this prospectus.
Class A common stock to be outstanding immediately after this offering	131,419,930 shares (or 133,980,214 shares if the underwriters' option is exercised in full). If all outstanding LLC Units (together with the same number of shares of our Class B common stock) held by MLSH 1 were exchanged for newly-issued shares of Class A common stock on a one-for-one basis, 257,659,541 shares of Class A common stock would be outstanding.
Class B common stock to be outstanding immediately after this offering	126,239,611 shares (or 123,679,327 shares if the underwriters' option is exercised in full).
Use of proceeds	The selling stockholders will receive all of the net proceeds from this offering and we will not receive any proceeds from the sale of shares of Class A common stock in this offering. See "Use of Proceeds."
Risk factors	Investing in our Class A common stock involves a high degree of risk. See "Risk Factors" elsewhere in this prospectus for a discussion of factors you should carefully consider before deciding to invest in our Class A common stock.
Voting power held by holders of Class A common stock immediately after this offering	51.0% (52.0% if the underwriters' option is exercised in full).
Voting power held by holders of Class B common stock immediately after this offering	49.0% (or 48.0% if the underwriters' option is exercised in full).
Symbol for trading on The Nasdaq Global Select Market	"MRVI."

The number of shares of Class A common stock to be outstanding following this offering is based on 114,351,371 shares of Class A common stock outstanding as of June 30, 2021, and excludes:

- 143,308,170 shares of Class A common stock that may be issuable upon exercise of redemption and exchange rights held by MLSH 1, as of June 30, 2021;
- 8,372,671 shares of Class A common stock, plus future increases, reserved for issuance under our 2020 Employee Stock Purchase Plan (the "ESPP"), as of June 30, 2021; and

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- 36,066,890 shares of Class A common stock reserved for future issuance under the 2020 Omnibus Incentive Plan (the “2020 Plan”), including (i) options to purchase 1,522,100 shares of Class A common stock issued to certain employees upon completion of the IPO and, since completion of the IPO, we have awarded additional options to purchase an aggregate of 254,135 shares of Class A common stock issued pursuant to the 2020 Plan, with a weighted average exercise price for all options issued of \$28.38 and (ii) 71,112 restricted stock units (“RSUs”) that may be settled for an equal number of shares of Class A common stock that were issued to our six independent directors upon completion of the IPO and that vest annually over three years, each as of June 30, 2021.

Unless otherwise indicated, all information in this prospectus assumes:

- no exercise of outstanding options or issuance of shares of Class A common stock upon vesting and settlement of RSUs after June 30, 2021; and
- no exercise by the underwriters of their option to purchase up to 3,000,000 additional shares of Class A common stock from any of the selling stockholders.

RISK FACTORS

Investing in our Class A common stock involves a high degree of risk. You should carefully consider the risks and uncertainties described below, as well as the risks and uncertainties set forth under the heading “Risk Factors” in our Annual Report on Form 10-K for the year ended December 31, 2020 and our Quarterly Reports on Form 10-Q for the Quarters Ended March 31, 2021 and June 30, 2021, each of which is incorporated by reference herein, together with all of the other information included or incorporated by reference in this prospectus, including our consolidated financial statements and the related notes thereto, before making a decision to invest in our Class A common stock. The risks and uncertainties described below are not the only ones we face. Additional risks and uncertainties that we are unaware of, or that we currently believe are not material, may also become important factors that affect us. If any of the following risks occur, our business, financial condition, results of operations and prospects could be materially and adversely affected. In that event, the price of our Class A common stock could decline, and you could lose all or part of your investment.

Risks Related to Our Class A Common Stock and This Offering

GTCR controls us, and its interests may conflict with ours or yours in the future.

Immediately following this offering, investment entities affiliated with GTCR will control approximately 57.4% of the voting power of our outstanding common stock, or 56.3% if the underwriters exercise in full their option to purchase additional shares, which means that, based on its percentage voting power controlled after the offering, GTCR will continue to control the vote of all matters submitted to a vote of our stockholders. This control enables GTCR to control the election of the members of our board of directors (the “Board”) and all other corporate decisions. Even when GTCR ceases to control a majority of the total voting power, for so long as GTCR continues to own a significant percentage of our common stock, GTCR will still be able to significantly influence the composition of our Board and the approval of actions requiring stockholder approval. Accordingly, for such period of time, GTCR will have significant influence with respect to our management, business plans and policies, including the appointment and removal of our officers, decisions on whether to raise future capital and amending our charter and bylaws, which govern the rights attached to our common stock. In particular, for so long as GTCR continues to own a significant percentage of our common stock, GTCR will be able to cause or prevent a change of control of us or a change in the composition of our Board and could preclude any unsolicited acquisition of us. The concentration of ownership could deprive you of an opportunity to receive a premium for your shares of Class A common stock as part of a sale of us and ultimately might affect the market price of our Class A common stock.

In addition, in connection with our IPO, we entered into a Director Nomination Agreement with GTCR that provides GTCR the right to nominate to the Board a number of designees equal to at least: (i) 100% of the total number of directors comprising the Board, so long as GTCR beneficially owns shares of Class A common stock and Class B common stock representing at least 40% of the total amount of shares of Class A common stock and Class B common stock it beneficially owned as of the date of the IPO, (ii) 40% of the total number of directors, in the event that GTCR beneficially owns shares of Class A common stock and Class B common stock representing at least 30% but less than 40% of the total amount of shares of Class A common stock and Class B common stock it owned as of the date of the IPO, (iii) 30% of the total number of directors, in the event that GTCR beneficially owns shares of Class A common stock and Class B common stock representing at least 20% but less than 30% of the total amount of shares of Class A common stock and Class B common stock it owned as of the date of the IPO, (iv) 20% of the total number of directors, in the event that GTCR beneficially owns shares of Class A common stock and Class B common stock representing at least 10% but less than 20% of the total amount of shares of Class A common stock and Class B common stock it owned as of the date of the IPO and (v) one director, in the event that GTCR beneficially owns shares of Class A common stock and Class B common stock representing at least 5% of the total amount of shares of Class A common stock and Class B common stock it owned as of the date of the IPO. The Director Nomination Agreement provides that GTCR may assign such right to a GTCR affiliate. The Director Nomination Agreement prohibits us from increasing or decreasing the

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size of our Board without the prior written consent of GTCR. See “Certain Relationships and Related Party Transactions—Director Nomination Agreement” for more details with respect to the Director Nomination Agreement.

GTCR and its affiliates engage in a broad spectrum of activities, including investments in our industry generally. In the ordinary course of their business activities, GTCR and its affiliates may engage in activities where their interests conflict with our interests or those of our other stockholders, such as investing in or advising businesses that directly or indirectly compete with certain portions of our business or are suppliers or customers of ours. Our certificate of incorporation provides that none of GTCR, any of its affiliates or any director who is not employed by us (including any non-employee director who serves as one of our officers in both his or her director and officer capacities) or its affiliates has any duty to refrain from engaging, directly or indirectly, in the same business activities or similar business activities or lines of business in which we operate. GTCR also may pursue acquisition opportunities that may be complementary to our business, and, as a result, those acquisition opportunities may not be available to us. In addition, GTCR may have an interest in pursuing acquisitions, divestitures and other transactions that, in its judgment, could enhance its investment, even though such transactions might involve risks to you or may not prove beneficial.

We are a “controlled company” within the meaning of the rules of NASDAQ and, as a result, we qualify for, and rely on, exemptions from certain corporate governance requirements. You will not have the same protections as those afforded to stockholders of companies that are subject to such governance requirements.

After completion of this offering, GTCR will continue to control a majority of the voting power of our outstanding common stock. As a result, we will continue to be a “controlled company” within the meaning of the corporate governance standards of NASDAQ. Under these rules, a company of which more than 50% of the voting power for the election of directors is held by an individual, group or another company is a “controlled company” and may elect not to comply with certain corporate governance requirements, including:

- the requirement that a majority of our Board consist of independent directors;
- the requirement that we have a nominating and corporate governance committee that is composed entirely of independent directors with a written charter addressing the committee’s purpose and responsibilities;
- the requirement that we have a compensation committee that is composed entirely of independent directors with a written charter addressing the committee’s purpose and responsibilities; and
- the requirement for an annual performance evaluation of the nominating and corporate governance and compensation committees.

Following this offering, we will continue to utilize these exceptions. As a result, we may not have a majority of independent directors on our Board, our compensation and nominating and corporate governance committees may not consist entirely of independent directors and our compensation and nominating and corporate governance committees may not be subject to annual performance evaluations. Accordingly, you will not have the same protections afforded to stockholders of companies that are subject to all of the corporate governance requirements of NASDAQ.

For so long as we are an “emerging growth company,” we will not be required to comply with certain public company reporting requirements, which could make our Class A common stock less attractive to investors.

We are an “emerging growth company,” as defined in the JOBS Act. Since the global aggregate market value of our voting and non-voting common stock that was held by non-affiliates exceeded \$700.0 million as of June 30, 2021, we expect to be classified as a “large accelerated filer,” and therefore expect to cease being an emerging growth company, as of December 31, 2021.

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For as long as we continue to be an emerging growth company, we are eligible for certain exemptions from various public company reporting requirements. These exemptions include, but are not limited to, (i) not being required to comply with the auditor attestation requirements of Section 404 of the Sarbanes-Oxley Act, (ii) reduced disclosure obligations regarding executive compensation in our periodic reports, proxy statements and registration statements and (iii) exemptions from the requirements of holding a nonbinding advisory vote on executive compensation and stockholder approval of any golden parachute payments not previously approved. We have made certain elections with regard to the reduced disclosure obligations regarding executive compensation in this prospectus and the incorporated documents and may elect to take advantage of other reduced disclosure obligations in future filings. As a result, the information that we provide to holders of our Class A common stock may be different than you might receive from other public reporting companies in which you hold equity interests. We cannot predict if investors will find our Class A common stock less attractive as a result of reliance on these exemptions. If some investors find our Class A common stock less attractive as a result of any choice we make to reduce disclosure, there may be a less active trading market for our Class A common stock and the market price for our Class A common stock may be more volatile.

The JOBS Act also permits an emerging growth company like us to take advantage of an extended transition period to comply with new or revised accounting standards applicable to public companies. We previously elected to take advantage of this extended transition period for complying with new or revised accounting standards provided for by the JOBS Act. We will therefore comply with new or revised accounting standards when they apply to private companies. As a result, our financial statements may not be comparable with companies that comply with public company effective dates for accounting standards.

The requirements of being a public company may strain our resources and distract our management, which could make it difficult to manage our business, particularly after we are no longer an “emerging growth company.”

As a public company, we incur legal, accounting and other expenses that we did not incur before our IPO. We are subject to the reporting requirements of the Exchange Act and the Sarbanes-Oxley Act, the listing requirements of NASDAQ and other applicable securities rules and regulations. Compliance with these rules and regulations, including as we begin to transition from being an emerging growth company to being classified as a large accelerated filer, will continue to increase our legal and financial compliance costs, make some activities more difficult, time-consuming or costly and continue to increase demand on our systems and resources, particularly after we are no longer an “emerging growth company.” The Exchange Act requires that we file annual, quarterly and current reports with respect to our business, financial condition, results of operations, cash flows and prospects. The Sarbanes-Oxley Act requires, among other things, that we establish and maintain effective internal controls and procedures for financial reporting. Furthermore, the need to establish the corporate infrastructure demanded of a public company may divert our management’s attention from implementing our growth strategy, which could prevent us from improving our business, financial condition, results of operations, cash flows and prospects. We have made, and will continue to make, changes to our internal controls and procedures for financial reporting and accounting systems to meet our reporting obligations as a public company. However, the measures we take may not be sufficient to satisfy our obligations as a public company. In addition, these rules and regulations increase our legal and financial compliance costs and will make some activities more time-consuming and costly. For example, these rules and regulations make it more difficult and more expensive for us to obtain director and officer liability insurance, and we may be required to incur substantial costs to maintain the same or similar coverage. These additional obligations could have a material adverse effect on our business, financial condition, results of operations, cash flows and prospects.

In addition, changing laws, regulations and standards relating to corporate governance and public disclosure are creating uncertainty for public companies, increasing legal and financial compliance costs and making some activities more time consuming. These laws, regulations and standards are subject to varying interpretations, in many cases due to their lack of specificity, and, as a result, their application in practice may evolve over time as new guidance is provided by regulatory and governing bodies. This could result in continuing uncertainty

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regarding compliance matters and higher costs necessitated by ongoing revisions to disclosure and governance practices. We intend to continue to invest resources to comply with evolving laws, regulations and standards, and this investment may result in increased general and administrative expenses and a diversion of our management's time and attention from revenue-generating activities to compliance activities. If our efforts to comply with new laws, regulations and standards differ from the activities intended by regulatory or governing bodies due to ambiguities related to their application and practice, regulatory authorities may initiate legal proceedings against us and there could be a material adverse effect on our business, financial condition, results of operations, cash flows and prospects.

Provisions of our corporate governance documents could make an acquisition of us more difficult and may prevent attempts by our stockholders to replace or remove our current management, even if beneficial to our stockholders.

Our certificate of incorporation and bylaws and the Delaware General Corporation Law (the "DGCL") contain provisions that could make it more difficult for a third party to acquire us, even if doing so might be beneficial to our stockholders. Among other things:

- these provisions allow us to authorize the issuance of undesignated preferred stock, the terms of which may be established and the shares of which may be issued without stockholder approval, and which may include supermajority voting, special approval, dividend, or other rights or preferences superior to the rights of stockholders;
- these provisions provide for a classified board of directors with staggered three-year terms;
- these provisions provide that, at any time when GTCR controls, in the aggregate, less than 40% of the outstanding shares of our Class A common stock, directors may only be removed for cause, and only by the affirmative vote of holders of at least 66²/₃% in voting power of all the then-outstanding shares of our stock entitled to vote thereon, voting together as a single class;
- these provisions prohibit stockholder action by written consent from and after the date on which GTCR controls, in the aggregate, less than 35% in voting power of our stock entitled to vote generally in the election of directors;
- these provisions provide that for as long as GTCR controls, in the aggregate, at least 50% in voting power of our stock entitled to vote generally in the election of directors, any amendment, alteration, rescission or repeal of our bylaws by our stockholders will require the affirmative vote of a majority in voting power of the outstanding shares of our capital stock and at any time when GTCR controls, in the aggregate, less than 50% in voting power of all outstanding shares of our stock entitled to vote generally in the election of directors, any amendment, alteration, rescission or repeal of our bylaws by our stockholders will require the affirmative vote of the holders of at least 66²/₃% in voting power of all the then-outstanding shares of our stock entitled to vote thereon, voting together as a single class; and
- these provisions establish advance notice requirements for nominations for elections to our Board or for proposing matters that can be acted upon by stockholders at stockholder meetings; provided, however, at any time when GTCR controls, in the aggregate, at least 10% in voting power of our stock entitled to vote generally in the election of directors, such advance notice procedure will not apply to GTCR.

We opted out of Section 203 of the DGCL, which generally prohibits a Delaware corporation from engaging in any of a broad range of business combinations with any interested stockholder for a period of three years following the date on which the stockholder became an interested stockholder. However, our certificate of incorporation contains a provision that provides us with protections similar to Section 203, and prevents us from engaging in a business combination with a person (excluding GTCR and any of its direct or indirect transferees and any group as to which such persons are a party) who acquires at least 85% of our common stock for a period of three years from the date such person acquired such common stock, unless board or stockholder approval is

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obtained prior to the acquisition. These provisions could discourage, delay or prevent a transaction involving a change in control of our company. These provisions could also discourage proxy contests and make it more difficult for you and other stockholders to elect directors of your choosing and cause us to take other corporate actions you desire, including actions that you may deem advantageous, or negatively affect the trading price of our Class A common stock. In addition, because our Board is responsible for appointing the members of our management team, these provisions could in turn affect any attempt by our stockholders to replace current members of our management team.

These and other provisions in our certificate of incorporation, bylaws and Delaware law could make it more difficult for stockholders or potential acquirers to obtain control of our Board or initiate actions that are opposed by our then-current Board, including actions to delay or impede a merger, tender offer or proxy contest involving our company. The existence of these provisions could negatively affect the price of our Class A common stock and limit opportunities for you to realize value in a corporate transaction.

For information regarding these and other provisions, see “Description of Capital Stock.”

Our certificate of incorporation designates the Court of Chancery of the State of Delaware as the exclusive forum for certain litigation that may be initiated by our stockholders and the federal district courts of the United States as the exclusive forum for litigation arising under the Securities Act, which could limit our stockholders’ ability to obtain a favorable judicial forum for disputes with us.

Pursuant to our certificate of incorporation, 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 any claims in state court for (1) any derivative action or proceeding brought on our behalf, (2) any action asserting a claim of breach of a fiduciary duty owed by any of our directors, officers or other employees to us or our stockholders, (3) any action asserting a claim against us arising pursuant to any provision of the DGCL, our certificate of incorporation or our bylaws or (4) any other action asserting a claim against us that is governed by the internal affairs doctrine; provided that for the avoidance of doubt, the forum selection provision that identifies the Court of Chancery of the State of Delaware as the exclusive forum for certain litigation, including any “derivative action,” will not apply to suits to enforce a duty or liability created by the Securities Act of 1933, as amended (the “Securities Act”), the Exchange Act or any other claim for which the federal courts have exclusive jurisdiction. Our certificate of incorporation provides that, unless we consent in writing to the selection of an alternative forum, the federal district courts of the United States shall be the exclusive forum for the resolution of any complaint asserting a cause of action arising under the Securities Act. Our certificate of incorporation further provides that any person or entity purchasing or otherwise acquiring any interest in shares of our capital stock is deemed to have notice of and consented to the provisions of our certificate of incorporation described above. The forum selection provisions in our certificate of incorporation may have the effect of discouraging lawsuits against us or our directors and officers and may limit our stockholders’ ability to obtain a favorable judicial forum for disputes with us. If the enforceability of our forum selection provisions were to be challenged, we may incur additional costs associated with resolving such challenge. While we currently have no basis to expect any such challenge would be successful, if a court were to find our forum selection provisions to be inapplicable or unenforceable with respect to one or more of these specified types of actions or proceedings, we may incur additional costs associated with having to litigate in other jurisdictions, which could have an adverse effect on our business, financial condition, results of operations, cash flows and prospects and result in a diversion of the time and resources of our employees, management and board of directors.

An active, liquid trading market for our Class A common stock may not be sustained, which may limit your ability to sell your shares.

Our IPO occurred in November 2020. Therefore, there has only been a public market for our Class A common stock for a short period of time. Although our Class A common stock was listed on The Nasdaq Global Select Market under the trading symbol “MRVI,” there is a very limited trading history and an active trading

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market for our Class A common stock may not be sustained. The public offering price in this offering was determined by negotiations between the selling stockholders and the underwriters and may not be indicative of market prices of our Class A common stock that prevail in the open market after the offering. A public trading market having the desirable characteristics of depth, liquidity and orderliness depends upon the existence of willing buyers and sellers at any given time, such existence being dependent upon the individual decisions of buyers and sellers over which neither we nor any market maker has control. The failure of an active and liquid trading market to continue would likely have a material adverse effect on the value of our Class A common stock. The market price of our Class A common stock may decline below the public offering price, and you may not be able to sell your shares of our Class A common stock at or above the price you paid in this offering, or at all. An inactive market may also impair our ability to raise capital to continue to fund operations by issuing additional shares of our Class A common stock or other equity or equity-linked securities and may impair our ability to acquire other companies or technologies by using any such securities as consideration.

Our operating results and stock price may be volatile, and the market price of our Class A common stock after this offering may drop below the price you pay.

Our quarterly operating results are likely to fluctuate in the future. In addition, securities markets worldwide have experienced, and are likely to continue to experience, significant price and volume fluctuations, including as a result of the COVID-19 pandemic. This market volatility, as well as general economic, market or political conditions, could subject the market price of our Class A common stock to wide price fluctuations regardless of our operating performance. The market price of our Class A common stock has ranged from \$23.62 to \$63.55 from the date of our IPO to and including September 9, 2021. Our operating results and the trading price of our Class A common stock may fluctuate in response to various factors, including:

- market conditions in our industry or the broader stock market;
- actual or anticipated fluctuations in our quarterly financial and operating results;
- introduction of new products or services by us or our competitors;
- issuance of new or changed securities analysts' reports or recommendations;
- sales, or anticipated sales, of large blocks of our stock;
- additions or departures of key personnel;
- regulatory or political developments;
- litigation and governmental investigations;
- any coordinated trading activities or large derivative positions in our Class A common stock, for example, a "short squeeze" (a short squeeze occurs when a number of investors take a short position in a stock and have to buy the borrowed securities to close out the position at a time that other short sellers of the same security also want to close out their positions, resulting in surges stock prices, i.e., demand is greater than supply for the stock sold short);
- changing economic conditions;
- investors' perception of us;
- events beyond our control such as weather, war and health crises such as the COVID-19 pandemic; and
- any default on our indebtedness.

These and other factors, many of which are beyond our control, may cause our operating results and the market price and demand for our Class A common stock to fluctuate substantially. Fluctuations in our quarterly operating results could limit or prevent investors from readily selling their shares of Class A common stock and may otherwise negatively affect the market price and liquidity of our shares of Class A common stock. In addition, in the past, when the market price of a stock has been volatile, holders of that stock have sometimes instituted securities class action litigation against the company that issued the stock. If any of our stockholders

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brought a lawsuit against us, we could incur substantial costs defending the lawsuit. Such a lawsuit could also divert the time and attention of our management from our business, which could significantly harm our profitability and reputation.

In addition, the stock markets in general, and the markets for pharmaceutical, biopharmaceutical and biotechnology stocks in particular, have experienced extreme volatility, including as a result of the COVID-19 pandemic, that has often been unrelated to the operating performance of the issuer.

A significant portion of our total outstanding shares of Class A common stock are restricted from immediate resale but may be sold into the market in the near future. This could cause the market price of our Class A common stock to drop significantly, even if our business is doing well.

Sales of a substantial number of shares of our Class A 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 of Class A common stock intend to sell shares, could reduce the market price of our Class A common stock. After this offering, we will have 131,419,930 outstanding shares of Class A common stock (133,980,214 shares if the underwriters' option is exercised in full) based on the number of shares outstanding as of June 30, 2021. This includes shares of Class A common stock that the selling stockholders are selling in this offering, which may be resold in the public market immediately unless purchased by one of our affiliates.

In connection with this offering, subject to certain exceptions described in the section titled "Underwriters," our directors and executive officers and GTCR have entered into lock-up agreements with the underwriters of this offering pursuant to which they have agreed that subject to these exceptions, they will not directly or indirectly sell or dispose of any shares of Class A common stock or any securities convertible into or exchangeable or exercisable for shares of Class A common stock for a period of 60 days after the date of this prospectus. See "Underwriters" and "Shares Eligible for Future Sale" for more information.

All of these shares will, however, be able to be resold after the expiration of the lock-up period, as well as pursuant to customary exceptions thereto or upon the waiver of the lock-up agreement by the representatives on behalf of the underwriters. We have registered shares of Class A common stock that we may issue under our equity compensation plans. Such shares can be freely sold in the public market upon issuance. As restrictions on resale end, the market price of our stock could decline if the holders of currently restricted shares of Class A common stock sell them or are perceived by the market as intending to sell them.

Because we have no current plans to pay cash dividends on our Class A common stock for the foreseeable future, you may not receive any return on investment unless you sell your Class A common stock for a price greater than that which you paid for it.

We do not anticipate paying any cash dividends on our Class A common stock for the foreseeable future. Any decision to declare and pay dividends in the future will be made at the discretion of our Board and will depend on, among other things, our results of operations, financial condition, cash requirements, contractual restrictions and other factors that our Board may deem relevant. In addition, our ability to pay dividends is, and may be, limited by covenants of existing and any future outstanding indebtedness we or our subsidiaries incur, including under the Credit Agreement that we entered into on October 19, 2020 (the "New Credit Agreement"). Therefore, any return on investment in our Class A common stock is and will likely continue to be solely dependent upon the appreciation of the price of our Class A common stock on the open market, which may not occur. See "Dividend Policy" for more detail.

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If securities or industry analysts do not publish research or reports about our business, if they publish unfavorable research or reports, or adversely change their recommendations regarding our Class A common stock or if our results of operations do not meet their expectations, our stock price and/or trading volume could decline.

The trading market for our shares is influenced by the research and reports that industry or securities analysts publish about us or our business. We do not have any control over these analysts. If one or more of these analysts cease coverage of us or fail to publish reports on us regularly, we could lose visibility in the financial markets, which in turn could cause our stock price and/or trading volume to decline. Moreover, if one or more of the analysts who cover us downgrade our stock, or if our results of operations do not meet their expectations, our stock price could decline.

We may issue shares of preferred stock in the future, which could make it difficult for another company to acquire us or could otherwise adversely affect holders of our Class A common stock, which could depress the price of our Class A common stock.

Our certificate of incorporation authorizes us to issue one or more series of preferred stock. Our Board has the authority to determine the preferences, limitations and relative rights of the shares of preferred stock and to fix the number of shares constituting any series and the designation of such series, without any further vote or action by our stockholders. Our preferred stock could be issued with voting, liquidation, dividend and other rights superior to the rights of our Class A common stock. The potential issuance of preferred stock may delay or prevent a change in control of us, discouraging bids for our Class A common stock at a premium to the market price, and materially adversely affect the market price and the voting and other rights of the holders of our Class A common stock.

FORWARD-LOOKING STATEMENTS

This prospectus contains “forward-looking statements” within the meaning of the Private Securities Litigation Reform Act of 1995, Section 27A of the Securities Act and Section 21E of the Exchange Act that are subject to risks and uncertainties. All statements other than statements of historical fact included in this prospectus or incorporated by reference herein are forward-looking statements. Forward-looking statements give our current expectations and projections relating to our financial condition, results of operations, plans, objectives, future performance and business. You can identify forward-looking statements by the fact that they do not relate strictly to historical or current facts. These statements may include words such as “anticipate,” “estimate,” “expect,” “project,” “plan,” “intend,” “believe,” “may,” “will,” “should,” “can have,” “likely” and other words and terms of similar meaning in connection with any discussion of the timing or nature of future operating or financial performance or other events. For example, all statements we make relating to our estimated and projected costs, expenditures, cash flows, growth rates and financial results, our plans and objectives for future operations, growth or initiatives, strategies or the expected outcome or impact of pending or threatened litigation are forward-looking statements. All forward-looking statements are subject to risks and uncertainties that may cause actual results to differ materially from those that we expected, including those disclosed in “Risk Factors” and elsewhere in this prospectus and “Risk Factors” and elsewhere in our Annual Report on Form 10-K for the Year Ended December 31, 2020 and our Quarterly Reports on Form 10-Q for the Quarters Ended March 31, 2021 and June 30, 2021, each of which is incorporated by reference in this prospectus.

We derive many of our forward-looking statements from our operating budgets and forecasts, which are based on many detailed assumptions. While we believe that our assumptions are reasonable, we caution that it is very difficult to predict the impact of known factors, and it is impossible for us to anticipate all factors that could affect our actual results. Important factors that could cause actual results to differ materially from our expectations, or cautionary statements, are disclosed under the sections entitled “Risk Factors” in this prospectus and “Risk Factors” and “Management’s Discussion and Analysis of Financial Condition and Results of Operations” in our Annual Report on Form 10-K for the Year Ended December 31, 2020, and our Quarterly Reports on Form 10-Q for the Quarters Ended March 31, 2021 and June 30, 2021, each of which is incorporated by reference herein. All written and oral forward-looking statements attributable to us, or persons acting on our behalf, are expressly qualified in their entirety by these cautionary statements as well as other cautionary statements that are made from time to time in our other SEC filings and public communications. You should evaluate all forward-looking statements made in this prospectus or incorporated by reference herein in the context of these risks and uncertainties.

We caution you that the important factors referenced above may not contain all of the factors that are important to you. In addition, we cannot assure you that we will realize the results or developments we expect or anticipate or, even if substantially realized, that they will result in the consequences or affect us or our operations in the way we expect. The forward-looking statements included in this prospectus or incorporated by reference herein are made only as of the date hereof or thereof. We undertake no obligation to update or revise any forward-looking statement as a result of new information, future events or otherwise, except as otherwise required by law. We claim the protection of the safe harbor for forward-looking statements contained in the Private Securities Litigation Reform Act of 1995 for all forward-looking statements.

MARKET AND INDUSTRY DATA

Unless otherwise indicated, information in this prospectus or incorporated by reference herein concerning economic conditions, our industry, our markets and our competitive position is based on a variety of sources, including information from independent industry analysts and publications, as well as our own estimates and research. This information involves a number of assumptions and limitations, and you are cautioned not to give undue weight to such estimates. While we are responsible for all disclosure in this prospectus or incorporated by reference herein, and we believe the information presented in this prospectus or incorporated by reference herein is generally reliable, forecasts, assumptions, expectations, beliefs and estimates involve risk and uncertainties and are subject to change based on various factors, including those described under “Forward-Looking Statements” and “Risk Factors” in this prospectus and “Risk Factors” included in our Annual Report on Form 10-K for the Year Ended December 31, 2020 and our Quarterly Reports on Form 10-Q for the Quarters Ended March 31, 2021 and June 30, 2021, each of which is incorporated by reference herein.

USE OF PROCEEDS

The selling stockholders are selling all of the shares of Class A common stock being sold in this offering, including any shares sold upon the exercise of the underwriters' option to purchase additional shares. See "Principal and Selling Stockholders." Accordingly, we will not receive any proceeds from the sale of shares of our Class A common stock by the selling stockholders in this offering. We will bear the costs associated with the sale of the shares sold in this offering by the selling stockholders, other than underwriting discounts and commissions.

DIVIDEND POLICY

We currently intend to retain all available funds and any future earnings to fund the development and growth of our business and to repay indebtedness and, therefore, we do not anticipate paying any cash dividends in the foreseeable future. Additionally, because we are a holding company, our ability to pay dividends on our Class A common stock may be limited by restrictions on the ability of our subsidiaries to pay dividends or make distributions to us. Any future determination to pay dividends will be at the discretion of our Board, subject to compliance with covenants in current and future agreements governing our and our subsidiaries' indebtedness, including our New Credit Agreement, and will depend on our results of operations, financial condition, capital requirements and other factors that our Board deems relevant.

Under the terms of the LLC Operating Agreement, Topco LLC is obligated to make tax distributions to current and future unitholders, including us and shall be made on a pro rata basis among the LLC Unitholders based on Topco LLC's net taxable income and without regard to any applicable basis adjustment under Section 743(b) of the Code. These tax distributions may be substantial, and will likely exceed (as a percentage of Topco LLC's income) the overall effective tax rate applicable to a similarly situated corporate taxpayer. As a result, it is possible that we will receive distributions significantly in excess of our tax liabilities and obligations to make payments under the Tax Receivable Agreement. While our Board may choose to distribute such cash balances as dividends on our Class A common stock (subject to the limitations set forth in the preceding paragraph), they will not be required to do so, and may in their sole discretion choose to use such excess cash for any purpose depending upon the facts and circumstances at the time of determination.

PRINCIPAL AND SELLING STOCKHOLDERS

The following table sets forth information about the beneficial ownership of our Class A common stock and Class B common stock as of June 30, 2021, and as adjusted to reflect the sale of the Class A common stock offered by the selling stockholders in this offering for:

- each person or group known to us who beneficially owns more than 5% of our Class A common stock or Class B common stock immediately prior to this offering;
- each of our directors;
- each of our named executive officers (i.e., our Chief Executive Officer, our President and Executive Vice-President, Corporate Development, and our Chief Operating Officer, Nucleic Acid Production (the “Named Executive Officers”));
- each of the selling stockholders;
- all of our directors and executive officers as a group.

Each stockholder’s percentage ownership before the offering is based on the numbers of shares of Class A common stock and Class B common stock (together with the same amount of LLC Units) outstanding as of June 30, 2021. The selling stockholders have granted the underwriters an option to purchase up to 3,000,000 additional shares of Class A common stock.

The numbers of shares of Class A common stock and Class B common stock (together with the same amount of LLC Units) beneficially owned and percentages of beneficial ownership after the offering that are set forth below are based on 131,419,930 shares of Class A common stock issued and outstanding immediately after the offering, assuming no exercise by the underwriters of their option to purchase additional shares, and 133,980,214 shares, assuming exercise by the underwriters of their option to purchase additional shares, and 126,239,611 shares of Class B common stock outstanding immediately after the offering, assuming no exercise by the underwriters of their option to purchase additional shares, and 123,679,327 shares, assuming exercise by the underwriters of their option to purchase additional shares.

Unless otherwise noted below, the address for each beneficial owner listed on the table is 10770 Wateridge Circle, Suite 200, San Diego, California, 92121. We have determined beneficial ownership in accordance with the rules of the SEC. Except as indicated by the footnotes below, we believe, based on the information furnished to us, that the persons and entities named in the tables below have sole voting and investment power with respect to all Class A common stock that they beneficially own, subject to applicable community property laws. Beneficial ownership representing less than 1% is denoted with an asterisk (*).

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Name of Beneficial Owner	Shares of Common Stock Beneficially Owned Prior to this Offering					Number of Class A Shares Being Offered	Shares of Common Stock Beneficially Owned After this Offering				
	Shares of Class A Common Stock	% of Class A Common Stock Outstanding	Shares of Class B Common Stock	% of Class B Common Stock Outstanding	% of Combined Voting Power(1)		Shares of Class A Common Stock	Shares of Class B Common Stock	% of Combined Voting Power Assuming the Underwriters' Option Is Not Exercised(1)	% of Combined Voting Power Assuming the Underwriters' Option Is Exercised in Full(1)	
5% Stockholders:											
GTCR(2)	24,612,474	21.5%	143,308,170	100.0%	65.2%	20,000,000	21,681,033	126,239,611	57.4%	56.3%	
FMR LLC(3)	12,466,271	10.9%	—	0.0%	4.8%	—	12,466,271	—	4.8%	4.8%	
Vanguard Group Inc.(4)	8,348,750	7.3%	—	0.0%	3.2%	—	8,348,750	—	3.2%	3.2%	
Select Equity Group, L.P.(5)	7,844,892	6.9%	—	0.0%	3.0%	—	7,844,892	—	3.0%	3.0%	
Named Executive Officers and Directors:											
Carl Hull	35,000	*	—	—	*	—	35,000	—	*	*	
Eric Tardif	—	—	—	—	—	—	—	—	—	—	
Brian Neel	—	—	—	—	—	—	—	—	—	—	
Anat Ashkenazi	11,852	*	—	—	*	—	11,852	—	*	*	
Sean Cunningham	—	—	—	—	—	—	—	—	—	—	
Benjamin Daverman	—	—	—	—	—	—	—	—	—	—	
Susannah Gray	31,852	*	—	—	*	—	31,852	—	*	*	
Robert B. Hance	21,852	*	—	—	*	—	21,852	—	*	*	
Jessica Hopfield	61,852	*	—	—	*	—	61,852	—	*	*	
Gregory T. Lucier	26,852	*	—	—	*	—	26,852	—	*	*	
Luke Marker	—	—	—	—	—	—	—	—	—	—	
Constantine Mihas	—	—	—	—	—	—	—	—	—	—	
Murali K. Prahalad	29,852	*	—	—	*	—	29,852	—	*	*	
All executive officers and directors as a group (17 individuals)	271,888	*	—	—	*	—	271,888	—	*	*	

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- (1) Each share of Class A common stock and Class B common stock entitles the registered holder thereof to one vote for each share on all matters presented to stockholders for a vote generally, including the election of directors. The Class A common stock and Class B common stock vote as a single class on all matters except as required by law or the certificate of incorporation.
- (2) Represents 24,612,474 shares of Class A common stock held directly by MLSH 2 and 143,308,170 shares of Class B common stock held directly by MLSH 1. MLSH 1 and MLSH 2 are each managed by a board of managers. GTCR Fund XI/C LP controls the board of managers of MLSH 2. GTCR Fund XI/B LP and GTCR Co-Invest XI LP control the board of managers of MLSH 1. This number excludes 143,308,170 shares of Class A common stock issuable in exchange for LLC Units held by MLSH 1. These shares of Class A common stock represent approximately 57.4% of the shares of Class A common stock that would be outstanding immediately after this offering if all outstanding LLC Units were exchanged and all outstanding shares of Class B common stock were converted at that time. GTCR Partners XI/A&C LP is the general partner of GTCR Fund XI/C LP. GTCR Partners XI/B LP is the general partner of GTCR Fund XI/B LP. GTCR Investment XI LLC is the general partner of each of GTCR Co-Invest XI LP, GTCR Partners XI/A&C LP and GTCR Partners XI/B LP. GTCR Investment XI LLC is managed by a board of managers (the “GTCR Board of Managers”) consisting of Mark M. Anderson, Craig A. Bondy, Aaron D. Cohen, Sean L. Cunningham, Benjamin J. Daverman, David A. Donnini, Constantine S. Mihas and Collin E. Roche, and no single person has voting or dispositive authority over the Class A common stock or Class B common stock. Each of GTCR Partners XI/A&C LP, GTCR Investment XI LLC and the GTCR Board of Managers may be deemed to share beneficial ownership of the shares held of record by MLSH 2, each of GTCR Partners XI/B LP, GTCR Investment XI LLC and the GTCR Board of Managers may be deemed to share beneficial ownership of the shares held of record by MLSH 1 and each of the individual members of the GTCR Board of Managers disclaims beneficial ownership of the shares held of record by MLSH 1 and MLSH 2 except to the extent of his pecuniary interest therein. The address for each of MLSH 1, MLSH 2, GTCR Fund XI/C LP, GTCR Fund XI/B LP, GTCR Co-Invest XI LP, GTCR Partners XI/A&C LP, GTCR Partners XI/B LP and GTCR Investment XI LLC is 300 North LaSalle Street, Suite 5600, Chicago, IL, 60654, and their telephone number is (312) 382-2200.
- (3) The information in the table above is based on information contained in this stockholder’s Schedule 13F under the Exchange Act filed by such stockholder with the SEC for the quarter ended June 30, 2021. The address for FMR LLC is 245 Summer Street, Boston, MA 02210.
- (4) The information in the table above is based on information contained in this stockholder’s Schedule 13F under the Exchange Act filed by such stockholder with the SEC for the quarter ended June 30, 2021. The address for The Vanguard Group is 100 Vanguard Blvd., Malvern, PA 19355.
- (5) The information in the table above is based on information contained in this stockholder’s Schedule 13F under the Exchange Act filed by such stockholder with the SEC for the quarter ended June 30, 2021. The address for Select Equity Group is 380 Lafayette Street, 6th Floor, New York, NY 10003.

CERTAIN RELATIONSHIPS AND RELATED PARTY TRANSACTIONS

Policies for Approval of Related Party Transactions

We have a policy with respect to the review, approval and ratification of related party transactions. Under the policy, our Audit Committee is responsible for reviewing and approving related party transactions. In the course of its review and approval of related party transactions, our Audit Committee considers the relevant facts and circumstances to decide whether to approve such transactions. In particular, our policy requires our Audit Committee to consider, among other factors it deems appropriate:

- the related person's relationship to us and interest in the transaction;
- the material facts of the proposed transaction, including the proposed aggregate value of the transaction;
- the impact on a director or a director nominee's independence in the event the related person is a director or an immediate family member of the director or director nominee;
- the benefits to us of the proposed transaction;
- if applicable, the availability of other sources of comparable products or services; and
- an assessment of whether the proposed transaction is on terms that are comparable to the terms available to an unrelated third party or to employees generally.

The Audit Committee may only approve those transactions that are in, or are not inconsistent with, our best interests and those of our stockholders, as the Audit Committee determines in good faith.

Amended and Restated Operating Agreement

In connection with our IPO, we amended and restated Topco LLC's existing operating agreement, which we refer to as the "LLC Operating Agreement." The operations of Topco LLC and the rights and obligations of the LLC Unitholders are set forth in the LLC Operating Agreement.

Registration Rights Agreement

In connection with our IPO, we entered into a registration rights agreement with MLSH 1 and MLSH 2. MLSH 1 and MLSH 2 are entitled to request that we register their shares of capital stock on a long-form or short-form registration statement on one or more occasions in the future, which registrations may be "shelf registrations." MLSH 1 and MLSH 2 are entitled to participate in certain of our registered offerings, subject to the restrictions in the registration rights agreement. We will pay expenses in connection with the exercise of these rights. The registration rights described in this paragraph apply to (1) shares of our Class A common stock held by MLSH 1 and MLSH 2 and their affiliates, and (2) any of our capital stock (or that of our subsidiaries) issued or issuable with respect to the Class A common stock described in clause (1) with respect to any dividend, distribution, recapitalization, reorganization, or certain other corporate transactions ("Registrable Securities"). These registration rights are also for the benefit of any subsequent holder of Registrable Securities; provided that any particular securities will cease to be Registrable Securities when they have been sold in a registered public offering, sold in compliance with Rule 144 of the Securities Act or repurchased by us or our subsidiaries. In addition, with the consent of the company and holders of a majority of Registrable Securities, certain Registrable Securities will cease to be Registrable Securities if they can be sold without limitation under Rule 144 of the Securities Act.

Tax Receivable Agreement

In connection with our IPO, we entered into a Tax Receivable Agreement with MLSH 1 and MLSH 2 that provides for the payment from time to time by us to MLSH 1 and MLSH 2, collectively, of 85% of the amount of

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the benefits, if any, that we realize or, under certain circumstances, are deemed to realize as a result of (i) certain increases in the tax basis of assets of Topco LLC and its subsidiaries resulting from purchases or exchanges of LLC Units, (ii) certain tax attributes of the Blocker Entities, Topco LLC and subsidiaries of Topco LLC that existed prior to the IPO and (iii) certain other tax benefits related to our entering into the Tax Receivable Agreement, including tax benefits attributable to payments that we make under the Tax Receivable Agreement.

As of June 30, 2021, our liability under the Tax Receivable Agreement is \$521.4 million payable to MLSH 1 and MLSH 2, representing approximately 85% of the calculated tax savings we anticipate being able to utilize in future years.

Director Nomination Agreement

In connection with our IPO, we entered into a Director Nomination Agreement with GTCR. The Director Nomination Agreement provides GTCR the right to nominate to the Board a number of designees equal to at least: (i) 100% of the total number of directors comprising the Board, so long as GTCR beneficially owns shares of Class A common stock and Class B common stock representing at least 40% of the total amount of shares of Class A common stock and Class B common stock it owned as of the date of the IPO, (ii) 40% of the total number of directors, in the event that GTCR beneficially owns shares of Class A common stock and Class B common stock representing at least 30% but less than 40% of the total amount of shares of Class A common stock and Class B common stock it owned as of the date of the IPO, (iii) 30% of the total number of directors, in the event that GTCR beneficially owns shares of Class A common stock and Class B common stock representing at least 20% but less than 30% of the total amount of shares of Class A common stock and Class B common stock it owned as of the date of the IPO, (iv) 20% of the total number of directors, in the event that GTCR beneficially owns shares of Class A common stock and Class B common stock representing at least 10% but less than 20% of the total amount of shares of Class A common stock and Class B common stock it owned as of the date of the IPO and (v) one director, in the event that GTCR beneficially owns shares of Class A common stock and Class B common stock representing at least 5% of the total amount of shares of Class A common stock and Class B common stock it owned as of the date of the IPO. In each case, GTCR's nominees must comply with applicable law and stock exchange rules. In addition, GTCR shall be entitled to designate the replacement for any of its Board designees whose Board service terminates prior to the end of the director's term, regardless of GTCR's beneficial ownership at that time. GTCR shall also have the right to have its designees participate on committees of our Board proportionate to its voting power, subject to compliance with applicable law and stock exchange rules. The Director Nomination Agreement also prohibits us from increasing or decreasing the size of our Board without the prior written consent of GTCR. This agreement will terminate at such time as GTCR beneficially owns less than 5% of the shares of Class A and Class B common stock it beneficially owned as of the date of the IPO.

Indemnification of Officers and Directors

We entered into indemnification agreements with each of our officers and directors. The indemnification agreements provide the officers and directors with contractual rights to indemnification, expense advancement and reimbursement, to the fullest extent permitted under Delaware law. Additionally, we may enter into indemnification agreements with any new directors or officers that may be broader in scope than the specific indemnification provisions contained in Delaware law. Insofar as indemnification for liabilities arising under the Securities Act may be permitted to our officers and directors pursuant to the foregoing agreements, we have been advised that, in the opinion of the SEC, such indemnification is against public policy as expressed in the Securities Act, and is therefore unenforceable.

Relationship with GTCR

We previously utilized GTCR, who controls the vote of all matters submitted to a vote of our stockholders, for certain services pursuant to an advisory services agreement. Under the agreement, GTCR provided us with financial and management consulting services in the areas of corporate strategy, budgeting for future corporate investments, acquisition and divestiture strategies and debt and equity financings. We paid a \$0.1 million

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quarterly management fee to GTCR for these services. We also reimbursed GTCR for out-of-pocket expenses incurred while providing these services. The advisory services agreement also required that we pay placement fees to GTCR of 1.0% of the gross amount of any debt or equity financings, including the IPO. The advisory services agreement terminated in connection with the IPO.

We paid GTCR \$4.2 million, \$0.5 million and \$0.5 million in each of the years ended December 31, 2020, 2019 and 2018, respectively, for services in connection with the advisory services agreement. We may continue to engage GTCR from time to time, subject to compliance with our related party transactions policy.

During the year ended December 31, 2018, \$52.0 million of capital distributions were made to certain legacy unit holders of MLSC Holdings, LLC ("MLSC"), the parent entity of Cygnus, including GTCR. The 2018 distribution was treated as a preferred return of capital per the terms of the MLSC limited liability company agreement. There were no such distributions made during the year ended December 31, 2019. A tax distribution of \$0.3 million was made to the non-controlling interest holders of MLSC during the year ended December 31, 2020.

In October 2020, we paid GTCR a placement fee of \$3.7 million in connection with our entry into the New Credit Agreement.

Lease Arrangements

Cygnus Technologies, a subsidiary of Topco LLC., has an ongoing lease agreement for facilities in Southport, NC with an entity controlled by a close relative of the former president of Cygnus Technologies. The close relative was also previously an employee of Cygnus Technologies who terminated their employment during the year ended December 31, 2018. The former president of Cygnus Technologies also personally financed a loan to this entity, which was used to acquire the property leased by Cygnus Technologies. The lease terms are considered to be consistent with market rates.

Cygnus Technologies paid \$0.2 million of rent under this lease agreement for the years ended December 31, 2020, 2019 and 2018, respectively.

Noncontrolling Interests

The noncontrolling interests in MLSC, the parent of Cygnus Technologies, represented equity interest retained by the unit holders of MLSC prior to its acquisition by Maravai. The former president of Cygnus Technologies and his affiliated entity were the holders of the noncontrolling interests. In November 2020, and before the closing of the IPO, Topco LLC repurchased all of the outstanding non-controlling interests in MLSC for \$166.4 million.

DESCRIPTION OF CAPITAL STOCK

The selling stockholders are selling 20,000,000 shares of Class A common stock in this offering (23,000,000 shares if the underwriters exercise in full their option to purchase additional shares). As of June 30, 2021, we had 114,351,371 shares of Class A common stock and 143,308,170 shares of Class B common stock outstanding, respectively, and no shares of preferred stock outstanding. Further, as of June 30, 2021, 1,631,235 shares of Class A common stock are issuable upon the exercise of outstanding stock options and 71,112 shares of Class A common stock are issuable upon the vesting and settlement of outstanding RSUs. Upon completion of this offering, we expect to have 131,419,930 shares of Class A common stock outstanding (133,980,214 shares if the underwriters exercise in full their option to purchase additional shares) and 126,239,611 shares of Class B common stock outstanding (123,679,327 shares if the underwriters exercise in full their option to purchase additional shares).

For a description of our capital stock and the material terms of our amended and restated certificate of incorporation and amended and restated bylaws, see our filings with the SEC incorporated by reference in this prospectus. For instructions on how to find copies of the filings incorporated by reference in this prospectus, see “Where You Can Find More Information.”

SHARES ELIGIBLE FOR FUTURE SALE

Future sales of substantial amounts of our Class A common stock in the public market, or the perception that such sales may occur, could adversely affect the prevailing market price of our Class A common stock. No prediction can be made as to the effect, if any, future sales of shares, or the availability of shares for future sales, will have on the market price of our common stock prevailing from time to time. We also cannot predict with certainty when or if GTCR will otherwise sell its Class A common stock. The sale of substantial amounts of our Class A common stock in the public market, or the perception that such sales could occur, could harm the prevailing market price of our common stock.

As of June 30, 2021, 114,351,371 shares of our Class A common stock were outstanding. Of these shares, 89,700,000 shares sold in our prior public offerings and the 20,000,000 shares to be sold in this offering (or 23,000,000 shares if the underwriters' option is exercised in full), will be freely tradable without restriction or further registration under the Securities Act, except that any shares held by our "affiliates," as that term is defined in Rule 144 under the Securities Act, would only be able to be sold in compliance with the conditions of Rule 144. In addition, 17,068,559 shares of Class A common stock to be sold in this offering (or 19,628,843 shares if the underwriters' option is exercised in full) will be issued and exchanged for LLC Units (and an equivalent number of shares of Class B common stock) by the selling stockholders in connection with this offering, as described below. Such shares will also be freely tradable without restriction or further registration under the Securities Act, except that any shares held by our "affiliates," as that term is defined in Rule 144 under the Securities Act, would only be able to be sold in compliance with the conditions of Rule 144.

Sale of Restricted Shares

Following this offering, the remaining 21,719,930 shares of Class A common stock (21,280,214 shares if the underwriters' option is exercised in full) (or 147,959,541 shares of Class A common stock (or 144,959,541 shares if the underwriters' option is exercised in full), including shares of Class A common stock issuable upon redemption or exchange of the LLC Units) will be "restricted securities," as that phrase is defined in Rule 144, and may be resold only after registration under the Securities Act or pursuant to an exemption from such registration, including, among others, the exemptions provided by Rule 144 and 701 under the Securities Act, which rules are summarized below. These remaining shares of Class A common stock that will be outstanding upon completion of this offering will be available for sale in the public market after the expiration of market stand-off agreements with us and the lock-up agreements described in "Underwriters," taking into account the provisions of Rules 144 and 701 under the Securities Act.

In addition, pursuant to the Exchange Agreement, MLSH 1 may from time to time exchange its LLC Units for shares of Class A common stock on a one-for-one basis, or, at our election, for cash, from a substantially concurrent public offering or private sale (based on the price of our Class A common stock in such public offering or private sale). MLSH 1 is also required to deliver to us a number of shares of Class B common stock equivalent to the number of shares of Class A common stock being exchanged to effectuate an exchange. Any shares of Class B common stock so delivered will be cancelled. At the time of this offering, MLSH 1 holds 143,308,170 LLC Units, all of which are exchangeable for shares of our Class A common stock or, at our election, for cash from a substantially concurrent public offering or private sale (based on the price of our Class A common stock in such public offering or private sale). The shares of Class A common stock we issue upon such exchanges would be "restricted securities" as defined in Rule 144 unless we register such issuances. However, we entered into a registration rights agreement with MLSH 1 that requires us to register these shares of Class A common stock, subject to certain conditions. See "—Registration Rights" and "Certain Relationships and Related Party Transactions—Registration Rights Agreement."

Under the terms of the LLC Operating Agreement, except pursuant to a valid exchange under the terms of the Exchange Agreement, all of the LLC Units held by MLSH 1 are subject to restrictions on disposition.

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Rule 144

In general, under Rule 144, any person who is not our affiliate, who was not our affiliate at any time during the preceding three months and who has held their shares for at least six months, including the holding period of any prior owner other than one of our affiliates, may sell shares without restriction, subject to the availability of current public information about us and subject to applicable lock-up restrictions. If such a person has beneficially owned the shares proposed to be sold for at least one year, including the holding period of any prior owner other than one of our affiliates, then that person would be entitled to sell those shares without complying with any of the requirements of Rule 144, subject to applicable lock-up restrictions.

Subject to applicable lock-up restrictions, a person who is our affiliate or who was our affiliate at any time during the preceding three months and who has beneficially owned restricted securities for at least six months, including the holding period of any prior owner other than one of our affiliates, is entitled to sell a number of shares within any three month period that does not exceed the greater of: (1) 1% of the number of shares of our Class A common stock outstanding, which will equal approximately 1,314,199 shares immediately after this offering (or 1,339,802 shares if the underwriters exercise in full their option to purchase additional shares); and (2) the average weekly trading volume of our common stock on the NASDAQ during the four calendar weeks preceding the filing of a notice on Form 144 with respect to the sale.

Sales under Rule 144 by our affiliates are also subject to certain manner of sale provisions, notice requirements and to the availability of current public information about us.

Rule 701

In general, under Rule 701, any of our employees, directors, officers, consultants or advisors who acquired shares of capital stock from us in connection with a compensatory stock or option plan or other compensatory written agreement before the effective date of the IPO are, subject to applicable lock-up restrictions, eligible to resell such shares in reliance upon Rule 144. If such person is not an affiliate and was not our affiliate at any time during the preceding three months, the sale may be made subject only to the manner-of-sale restrictions of Rule 144. If such a person is an affiliate, the sale may be made under Rule 144 without compliance with holding period requirements under Rule 144, but subject to the other Rule 144 restrictions described above.

Stock Plans

We have filed a registration statement on Form S-8 under the Securities Act to register shares of our Class A common stock issued or reserved for issuance under the 2020 Plan. Accordingly, shares of Class A common stock registered under such registration statement are generally eligible for resale in the open market following the effective date, unless such shares are subject to vesting restrictions with us, Rule 144 restrictions applicable to our affiliates or the lock-up restrictions described below.

Lock-Up Agreements

In connection with this offering, our directors and executive officers and GTCR have entered into lock-up agreements with the underwriters of this offering pursuant to which they have agreed that subject to certain exceptions, they will not directly or indirectly sell or dispose of any shares of Class A common stock or any securities convertible into or exchangeable or exercisable for shares of Class A common stock for a period of 60 days after the date of this prospectus. The lock-up restrictions and specified exceptions are described in more detail under "Underwriters."

All of these shares will, however, be able to be resold after the expiration of the lock-up periods described above, as well as pursuant to customary exceptions thereto or upon the waiver of the lock-up agreements by the representatives on behalf of the underwriters. We have registered shares of Class A common stock that we may issue under our equity compensation plans. Such shares can be freely sold in the public market upon issuance. As

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restrictions on resale end, the market price of our stock could decline if the holders of currently restricted shares of Class A common stock sell them or are perceived by the market as intending to sell them.

Following the lock-up period described above, and assuming that the representatives, on behalf of the underwriters, do not release any parties from these agreements, all of the shares of our Class A common stock that are held by our affiliates as of the date of this prospectus will be eligible for sale in the public market in compliance with Rule 144 under the Securities Act, subject to lock-up agreements with the underwriters.

Registration Rights Agreement

We entered into a Registration Rights Agreement with MLSH 1 and MLSH 2 in connection with our IPO. The Registration Rights Agreement provides MLSH 1 and MLSH 2 certain registration rights whereby MLSH 1 and MLSH 2 can require us to register under the Securities Act shares of Class A common stock (including shares issuable to MLSH 1 upon exchange of its LLC Units). The Registration Rights Agreement also provides for piggyback registration rights for MLSH 1 and MLSH 2. See “Certain Relationships and Related Party Transactions—Registration Rights Agreement.”

**MATERIAL U.S. FEDERAL INCOME TAX
CONSEQUENCES TO NON-U.S. HOLDERS**

The following discussion is a summary of the material U.S. federal income tax consequences to Non-U.S. Holders (as defined below) of the ownership and disposition of our Class A common stock issued pursuant to this offering, but does not purport to be a complete analysis of all potential tax consequences. The effects of other U.S. federal tax laws, such as estate and gift tax laws, and any applicable state, local or non-U.S. tax laws are not discussed. This discussion is based on the Code, Treasury regulations promulgated thereunder (the “Treasury Regulations”), judicial decisions and published rulings and administrative pronouncements of the U.S. Internal Revenue Service (the “IRS”), in each case as in effect as of the date hereof. These authorities may change or be subject to differing interpretations. Any such change or differing interpretation may be applied retroactively in a manner that could adversely affect a Non-U.S. Holder of our common stock. We have not sought and will not seek any rulings from the IRS regarding the matters discussed below. There can be no assurance the IRS or a court will not take a contrary position to those discussed below regarding the tax consequences of the purchase, ownership and disposition of our Class A common stock.

This discussion is limited to Non-U.S. Holders that hold our Class A common stock as a “capital asset” within the meaning of Section 1221 of the Code (generally, property held for investment). This discussion does not address all U.S. federal income tax consequences relevant to a Non-U.S. Holder’s particular circumstances, including the impact of the Medicare tax on net investment income or the alternative minimum tax, or the consequences to persons subject to special tax accounting rules as a result of any item of gross income with respect to our Class A common stock being taken into account in an applicable financial statement. In addition, it does not address consequences relevant to Non-U.S. Holders subject to special rules, including, without limitation:

- U.S. expatriates and former citizens or long-term residents of the U.S.;
- persons holding our common stock as part of a straddle or other risk reduction strategy or as part of a conversion transaction or other integrated investment;
- banks, insurance companies and other financial institutions;
- real estate investment trusts or regulated investment companies;
- brokers, dealers or certain electing traders in securities that mark their securities positions to market for tax purposes;
- “controlled foreign corporations,” “passive foreign investment companies,” and corporations that accumulate earnings to avoid U.S. federal income tax;
- partnerships or other entities or arrangements treated as partnerships for U.S. federal income tax purposes (and investors therein);
- tax-exempt organizations or governmental organizations;
- persons deemed to sell our common stock under the constructive sale provisions of the Code;
- “qualified foreign pension funds” (within the meaning of Section 897(I)(2) of the Code and entities, all of the interests of which are held by qualified foreign pension funds); and
- tax-qualified retirement plans.

If any partnership or arrangement classified as a partnership for U.S. federal income tax purposes holds our Class A common stock, the tax treatment of a partner in the partnership will depend on the status of the partner, the activities of the partnership and certain determinations made at the partner level. Accordingly, partnerships holding our Class A common stock and partners in such partnerships should consult their tax advisors regarding the U.S. federal income tax consequences to them.

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INVESTORS SHOULD CONSULT THEIR TAX ADVISORS WITH RESPECT TO THE APPLICATION OF THE U.S. FEDERAL INCOME TAX LAWS TO THEIR PARTICULAR SITUATIONS AS WELL AS ANY TAX CONSEQUENCES OF THE OWNERSHIP AND DISPOSITION OF OUR CLASS A COMMON STOCK ARISING UNDER THE U.S. FEDERAL ESTATE OR GIFT TAX LAWS OR UNDER THE LAWS OF ANY STATE, LOCAL OR NON-U.S. TAXING JURISDICTION OR UNDER ANY APPLICABLE INCOME TAX TREATY.

Definition of a Non-U.S. Holder

For purposes of this discussion, a “Non-U.S. Holder” is any beneficial owner of our Class A common stock that is neither a “United States person” nor an entity treated as a partnership for U.S. federal income tax purposes. A United States person is any person that, for U.S. federal income tax purposes, is or is treated as any of the following:

- an individual who is a citizen or resident of the U.S.;
- a corporation, or an entity treated as a corporation for U.S. federal income tax purposes, created or organized under the laws of the U.S. any state thereof, or the District of Columbia;
- an estate, the income of which is subject to U.S. federal income tax regardless of its source; or
- a trust that (1) is subject to the primary supervision of a U.S. court and the control of one or more “United States persons” (within the meaning of Section 7701(a)(30) of the Code), or (2) has a valid election in effect to be treated as a United States person for U.S. federal income tax purposes.

Distributions

As described in the section entitled “Dividend Policy,” we do not anticipate declaring or paying dividends to holders of our Class A common stock in the foreseeable future. However, if we do make distributions of cash or property on our Class A common stock, such distributions will constitute dividends for U.S. federal income tax purposes to the extent paid from our current or accumulated earnings and profits, as determined under U.S. federal income tax principles. Amounts not treated as dividends for U.S. federal income tax purposes will first constitute non-taxable returns of capital and be applied against and reduce a Non-U.S. Holder’s adjusted tax basis in its Class A common stock, but not below zero. Any excess will be treated as capital gains and will be treated as described below under “Sale or Other Taxable Disposition.”

Subject to the discussion below on effectively connected income, backup withholding, and the Foreign Account Tax Compliance Act, dividends paid to a Non-U.S. Holder of our Class A common stock will be subject to U.S. federal withholding tax at a rate of 30% of the gross amount of the dividends (or such lower rate specified by an applicable income tax treaty, provided that the Non-U.S. Holder will be required to furnish to the applicable withholding agent prior to the payment of dividends a valid IRS Form W-8BEN or W-8BEN-E (or other applicable documentation) certifying qualification for the lower treaty rate in order to avoid withholding with respect to such tax). A Non-U.S. Holder that does not timely furnish the required documentation, but that qualifies for a reduced treaty rate, may obtain a refund of any excess amounts withheld by timely filing an appropriate claim for refund with the IRS. Non-U.S. Holders should consult their tax advisors regarding their entitlement to benefits under any applicable income tax treaty.

If dividends paid to a Non-U.S. Holder are effectively connected with the Non-U.S. Holder’s conduct of a trade or business within the U.S. (and, if required by an applicable income tax treaty, the Non-U.S. Holder maintains a permanent establishment in the U.S. to which such dividends are attributable), the Non-U.S. Holder will be exempt from the U.S. federal withholding tax described above. To claim the exemption, the Non-U.S. Holder must furnish to the applicable withholding agent a valid IRS Form W-8ECI, certifying that the dividends are effectively connected with the Non-U.S. Holder’s conduct of a trade or business within the U.S.

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Any such effectively connected dividends will be subject to U.S. federal income tax on net-income basis at the regular rates. A Non-U.S. Holder that is a corporation also may be subject to a branch profits tax at a rate of 30% (or such lower rate specified by an applicable income tax treaty) on its effectively connected earnings and profits (as adjusted for certain items), which will include such effectively connected dividends. Non-U.S. Holders should consult their tax advisors regarding any applicable tax treaties that may provide for different rules.

Sale or Other Taxable Disposition

Subject to the discussion below on backup withholding and the Foreign Account Tax Compliance Act, a Non-U.S. Holder generally will not be subject to U.S. federal income tax on any gain realized upon the sale or other taxable disposition of our Class A common stock unless:

- the gain is effectively connected with the Non-U.S. Holder's conduct of a trade or business within the U.S. (and, if required by an applicable income tax treaty, the Non-U.S. Holder maintains a permanent establishment in the U.S. to which such gain is attributable);
- the Non-U.S. Holder is a nonresident alien individual present in the U.S. for 183 days or more during the taxable year of the disposition and certain other requirements are met; or
- our common stock constitutes a U.S. real property interest (a "USRPI"), by reason of our status as a U.S. real property holding corporation (a "USRPHC") for U.S. federal income tax purposes.

Gains described in the first bullet point above generally will be subject to U.S. federal income tax on net-income basis at the regular rates. A Non-U.S. Holder that is a corporation also may be subject to a branch profits tax at a rate of 30% (or such lower rate specified by an applicable income tax treaty) on its effectively connected earnings and profits (as adjusted for certain items), which will include such effectively connected gain.

A Non-U.S. Holder described in the second bullet point above will be subject to U.S. federal income tax at a rate of 30% (or such lower rate specified by an applicable income tax treaty) on any gain derived from the disposition, which may generally be offset by U.S. source capital losses of the Non-U.S. Holder (even though the individual is not considered a resident of the U.S.), provided the Non-U.S. Holder has timely filed U.S. federal income tax returns with respect to such losses.

With respect to the third bullet point above, we believe we currently are not, and do not anticipate becoming, a USRPHC. Because the determination of whether we are a USRPHC depends, however, on the fair market value of our USRPIs relative to the fair market value of our non-U.S. real property interests and our other business assets, there can be no assurance we currently are not a USRPHC or will not become one in the future. Even if we are or were to become a USRPHC, gain arising from the sale or other taxable disposition by a Non-U.S. Holder of our common stock will not be subject to U.S. federal income tax if our Class A common stock is "regularly traded on an established securities market," as defined by applicable Treasury Regulations, during the calendar year in which the disposition occurs, and such Non-U.S. Holder has owned, actually and constructively, five percent or less of our Class A common stock throughout the shorter of (1) the five-year period ending on the date of the sale or other taxable disposition and (2) the Non-U.S. Holder's holding period. If we were to become a USRPHC and our Class A common stock were not considered to be "regularly traded on an established securities market" during the calendar year in which the relevant disposition by a Non-U.S. Holder occurred, such Non-U.S. Holder (regardless of the percentage of stock owned) would be subject to U.S. federal income tax on a sale or other taxable disposition of our Class A common stock and a 15% withholding tax would apply to the gross proceeds from such disposition.

Non-U.S. Holders should consult their tax advisors regarding potentially applicable income tax treaties that may provide for different rules.

Information Reporting and Backup Withholding

Payments of dividends on our Class A common stock generally will not be subject to backup withholding, provided the applicable withholding agent does not have actual knowledge or reason to know the Non-U.S. Holder is a United States person and the Non-U.S. Holder either certifies its non-U.S. status, such as by furnishing a valid IRS Form W-8BEN, W-8BEN-E or W-8ECI, or otherwise establishes an exemption. However, information returns are required to be filed with the IRS in connection with any dividends on our Class A common stock paid to the Non-U.S. Holder, regardless of whether any tax was actually withheld. In addition, proceeds of the sale or other taxable disposition of our common stock within the U.S. or conducted through certain U.S.-related brokers generally will not be subject to backup withholding or information reporting if the applicable withholding agent receives the certification described above and does not have actual knowledge or reason to know that such Non-U.S. Holder is a United States person, or the Non-U.S. Holder otherwise establishes an exemption. If a Non-U.S. Holder does not provide the certification described above or the applicable withholding agent has actual knowledge or reason to know that such Non-U.S. Holder is a United States person, payments of dividends or of proceeds of the sale or other taxable disposition of our common stock may be subject to backup withholding at a rate currently equal to 24% of the gross proceeds of such dividend, sale, or taxable disposition. Proceeds of a disposition of our Class A common stock conducted through a non-U.S. office of a non-U.S. broker generally will not be subject to backup withholding or information reporting.

Copies of information returns that are filed with the IRS may also be made available under the provisions of an applicable treaty or agreement to the tax authorities of the country in which the Non-U.S. Holder resides or is established.

Backup withholding is not an additional tax. Any amounts withheld under the backup withholding rules may be allowed as a refund or a credit against a Non-U.S. Holder's U.S. federal income tax liability, provided the required information is timely furnished to the IRS.

Additional Withholding Tax on Payments Made to Foreign Accounts

Sections 1471 through 1474 of the Code and the Treasury Regulations and administrative guidance promulgated thereunder (commonly referred to as the "Foreign Account Tax Compliance Act" or "FATCA") generally impose withholding at a rate of 30% in certain circumstances on dividends in respect of securities which are held by or through certain foreign financial institutions (including investment funds), unless any such institution (i) enters into, and complies with, an agreement with the IRS to report, on an annual basis, information with respect to interests in, and accounts maintained by, the institution that are owned by certain U.S. persons and by certain non-U.S. entities that are wholly or partially owned by U.S. persons and to withhold on certain payments, or (ii) if required under an intergovernmental agreement between the United States and an applicable foreign country, reports such information to its local tax authority, which will exchange such information with the U.S. authorities. An intergovernmental agreement between the United States and an applicable foreign country may modify these requirements. Accordingly, the entity through which shares of our Class A common stock are held will affect the determination of whether such withholding is required. Similarly, dividends in respect of our Class A common stock held by an investor that is a non-financial non-U.S. entity that does not qualify under certain exceptions will generally be subject to withholding at a rate of 30%, unless such entity either (i) certifies to the applicable withholding agent that such entity does not have any "substantial United States owners" or (ii) provides certain information regarding the entity's "substantial United States owners," which will in turn be provided to the U.S. Department of Treasury. Prospective investors should consult their tax advisors regarding the potential application of withholding under FATCA to their investment in our Class A common stock.

UNDERWRITERS

Under the terms and subject to the conditions in an underwriting agreement dated the date of this prospectus, the underwriters named below, for whom Morgan Stanley & Co. LLC, Jefferies LLC and Goldman Sachs & Co. LLC are acting as representatives, have severally agreed to purchase, and the selling stockholders have agreed to sell to them, severally, the number of shares of Class A common stock indicated below:

<u>Name</u>	<u>Number of Shares</u>
Morgan Stanley & Co. LLC	4,566,666
Jefferies LLC	4,566,666
Goldman Sachs & Co. LLC	4,566,666
BofA Securities, Inc.	1,300,000
Credit-Suisse Securities (USA) LLC	1,300,000
UBS Securities LLC	1,300,000
Robert W. Baird & Co. Incorporated	600,001
William Blair & Company, L.L.C.	600,001
Stifel, Nicolaus & Company, Incorporated	550,000
KeyBanc Capital Markets Inc.	400,000
Academy Securities, Inc.	62,500
Loop Capital Markets LLC	62,500
Penserra Securities LLC	62,500
Tigress Financial Partners LLC	62,500
Total:	<u>20,000,000</u>

The underwriters and the representatives are collectively referred to as the “underwriters” and the “representatives,” respectively. The underwriters are offering the shares of Class A common stock subject to their acceptance of the shares from the selling stockholders and subject to prior sale. The underwriting agreement provides that the obligations of the several underwriters to pay for and accept delivery of the shares of Class A common stock offered by this prospectus are subject to the approval of certain legal matters by their counsel and to certain other conditions. The underwriters are obligated to take and pay for all of the shares of Class A common stock offered by this prospectus if any such shares are taken. However, the underwriters are not required to take or pay for the shares of Class A common stock covered by the underwriters’ option to purchase additional shares described below.

The underwriters initially propose to offer part of the shares of Class A common stock directly to the public at the offering price listed on the cover page of this prospectus and part to certain dealers at a price that represents a concession not in excess of \$0.6750 per share under the public offering price. After the initial offering of the shares of Class A common stock, the offering price and other selling terms may from time to time be varied by the representatives. The offering of the shares by the underwriters is subject to receipt and acceptance and subject to the underwriters’ right to reject any order in whole or in part.

The selling stockholders have granted to the underwriters an option, exercisable for 30 days from the date of this prospectus, to purchase up to 3,000,000 additional shares of Class A common stock at the public offering price listed on the cover page of this prospectus, less underwriting discounts and commissions. To the extent the option is exercised, each underwriter will become obligated, subject to certain conditions, to purchase about the same percentage of the additional shares of Class A common stock as the number listed next to the underwriter’s name in the preceding table bears to the total number of shares of Class A common stock listed next to the names of all underwriters in the preceding table.

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The following table shows the per share and total public offering price, underwriting discounts and commissions, and proceeds before expenses to the selling stockholders. These amounts are shown assuming both no exercise and full exercise of the underwriters' option to purchase additional shares.

		Total	
	Per Share	No Exercise	Full Exercise
Public offering price	\$ 50.0000	\$ 1,000,000,000	\$ 1,150,000,000
Underwriting discounts and commissions to be paid by the selling stockholders	\$ 1.1250	\$ 22,500,000	\$ 25,875,000
Proceeds, before expenses, to selling stockholders	\$ 48.8750	\$ 977,500,000	\$ 1,124,125,000

The estimated offering expenses payable by us, exclusive of the underwriting discounts and commissions, are approximately \$1.1 million. We have agreed to reimburse the underwriters for expenses relating to clearance of this offering with FINRA up to \$50,000.

Our Class A common stock is listed on The Nasdaq Global Select Market under the trading symbol "MRVI."

We, each of our directors and executive officers and the selling stockholders have agreed that, without the prior written consent of the representatives on behalf of the underwriters, we and they will not, and will not publicly disclose an intention to or cause any affiliate to, during the period ending 60 days after the date of this prospectus (the "restricted period"):

- offer, pledge, sell, contract to sell, sell any option or contract to purchase, purchase any option or contract to sell, grant any option, right or warrant to purchase, lend or otherwise transfer or dispose of, directly or indirectly, any shares of common stock or any securities convertible into or exercisable or exchangeable for shares of common stock, including LLC Units ("Lock-Up Securities");
- file or confidentially submit any registration statement with the SEC relating to the offering of any shares of common stock or any securities convertible into or exercisable or exchangeable for common stock; or
- enter into any swap or other arrangement that transfers to another, in whole or in part, any of the economic consequences of ownership of any Lock-Up Securities,

whether any such transaction described above is to be settled by delivery of common stock or such other securities, in cash or otherwise. In addition, we and each such person agrees that, without the prior written consent of the representatives on behalf of the underwriters, we or such other person will not, during the restricted period, make any demand for, or exercise any right with respect to, the registration of any shares of common stock or any security convertible into or exercisable or exchangeable for common stock.

The restrictions described in the immediately preceding paragraph do not apply to our directors, executive officers or the selling stockholders in certain circumstances, including:

- a. the sale of shares to the Underwriters in this offering;
- b. transactions relating to shares of Class A common stock acquired in open market transactions after the completion of the offering of the shares, provided that no filing under Section 16(a) of the Exchange Act is required or voluntarily made in connection with subsequent sales of the Class A common stock or other securities acquired in such open market transactions;

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- c. the establishment of a trading plan pursuant to Rule 10b5-1 under the Exchange Act for the transfer of shares of Class A common stock, provided that such plan does not provide for the transfer of Class A common stock during the restricted period and provided further that to the extent a public announcement or filing under the Exchange Act, if any, is required of or voluntarily made by Maravai LifeSciences Holdings, Inc. regarding the establishment of such plan, such announcement or filing shall include a statement to the effect that no transfer of Class A common stock may be made under such plan during the restricted period;
- d. transfers of Lock-Up Securities as a bona fide gift or gifts, to an immediate family member, to certain trusts or to a corporation, partnership, limited liability company, trust or other entity of which the holder and the immediate family of the holder are the legal and beneficial owner of all of the outstanding equity securities or similar interests, provided that each donee or transferee signs a lock-up agreement and provided further that certain filings under Section 16(a) of the Exchange Act or any other public filing or disclosure reporting a reduction in beneficial ownership of common stock shall not be required or voluntarily made during the restricted period;
- e. distributions of Lock-Up Securities to partners, members or stockholders, wholly-owned subsidiaries or affiliates of the holder, or if such transferee is not a natural person, to any direct or indirect partners, members or stockholders of such transferee until the Lock-Up Securities come to be held by a natural person, provided that certain transferees or distributees sign a lock-up agreement and provided further that any filing under Section 16(a) of the Exchange Act shall clearly indicate in the footnotes thereto the nature and conditions of such transfer, that such transfer is not for value and that the Lock-Up Securities subject to such transfer are subject to a lock-up agreement;
- f. transfers of Lock-Up Securities pursuant to a bona fide third party tender offer, merger, consolidation or other similar transaction or transactions made to all or substantially all holders of our common stock and approved by our board of directors, provided that in the event that such tender offer, merger, consolidation or other such transaction or transactions shall not be completed, the holder's Lock-Up Securities shall remain subject to the provisions of the lock-up agreement during the restricted period;
- g. transfers of Lock-Up Securities as a result of the operation of law, pursuant to an order of a court or regulatory agency or by will, other testamentary document or intestate succession, provided that certain filings under Section 16(a) of the Exchange Act or any other public filing or disclosure reporting a reduction in beneficial ownership of common stock shall not be required or voluntarily made during the restricted period;
- h. repurchases of Lock-Up Securities pursuant to equity award agreements or other contractual arrangements providing for the right of such repurchase in connection with the termination of the holders employment or service with us, provided that no filing by the holder under the Exchange Act, or other public announcement, shall be voluntarily made in connection with any such transfer, and if the holder is required to file a report under the Exchange Act related thereto during the restricted period, such report shall disclose that such transfer was a result of our repurchase of the Lock-Up Securities pursuant to equity award agreements or other contractual arrangements in connection with the termination of the holder's employment or service with us;
- i. receipt of Lock-Up Securities upon the exercise of an option to purchase Lock-Up Securities in connection with the termination or expiration of such option pursuant to its terms, provided that such option was granted pursuant to a stock option plan or other equity incentive plan described in this prospectus, provided further that any Lock-Up Securities received upon such exercise shall be subject to the lock-up agreement and provided further that no filing by the undersigned or any party (transferor or transferee) under the Exchange Act, or other public announcement shall be voluntarily made in connection with any such transfer, and if the holder is required to file a report under the Exchange Act related thereto during the restricted period, such report shall disclose that such transfer was a result of the exercise of options expiring or terminating in accordance with their terms and does not result in any aggregate reduction in the beneficial ownership;

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- j. transfers of Lock-Up Securities to us pursuant to the exercise, on a “cashless” or “net exercise” basis, of any option to purchase Lock-Up Securities granted pursuant to stock option or equity incentive plans described in this prospectus, or for the purpose of satisfying any withholding taxes due as a result of the exercise of any option to purchase Lock-Up Securities or the vesting of any equity awards granted pursuant to stock option or equity incentive plans described in this prospectus, provided that no filing under the Exchange Act, or other public announcement, shall be voluntarily made in connection with any such transfer, and if the holder is required to file a report under the Exchange Act related thereto during the restricted period, such report shall disclose that such transfer was a result of such circumstances;
- k. in any exchange of LLC Units and a corresponding number of shares of our Class B common stock into or for shares of Class A common stock (or securities convertible into or exercisable or exchangeable for Class A common stock) in a manner consistent with the Exchange Agreement; provided that to the extent a public announcement or filing under the Exchange Act, if any, is required of or voluntarily made regarding the exchange, such announcement or filing shall include a statement to the effect that such exchange occurred pursuant to the Exchange Agreement and provided further that no transfer of the shares of Class A common stock or other securities received upon exchange may be made during the restricted period, other than to the underwriters in connection with this offering; and
- l. any pledge, hypothecation or other grant of a security interest in any Lock-Up Securities to one or more lending institutions as collateral or security for any loan, advance or extension of credit and the transfer of such Lock-Up Securities to such lending institution upon foreclosure of such Lock-Up Securities, provided that no subsequent transfer or sale of Lock-Up Securities by such lending institution shall be made during the restricted period.

The restrictions also do not apply to us in certain circumstances, including:

- the issuance by us of shares of common stock upon the exercise of an option or a warrant or the conversion of a security outstanding on the date of this prospectus of which the underwriters have been advised in writing;
- the sale or issuance of or entry into an agreement providing for the sale or issuance of common stock or securities convertible into, exercisable for or which are otherwise exchangeable for or represent the right to receive common stock in connection with the acquisition of securities, businesses, technology, property or other assets; joint ventures; commercial relationships or other strategic transactions, provided that the aggregate number of shares of common stock securities convertible into, exercisable for or which are otherwise exchangeable for or represent the right to receive common stock that we may sell or issue or agree to sell or issue pursuant to such circumstances shall not exceed 7.5% of the total number of shares of common stock outstanding immediately following the completion of the transactions contemplated by this prospectus to be completed as of that date, and provided further that all recipients of any such securities shall enter into a lock-up agreement for the remainder of the restricted period;
- the establishment of a trading plan pursuant to Rule 10b5-1 under the Exchange Act for the transfer of shares of Class A common stock, provided that such plan does not provide for the transfer of Class A common stock during the restricted period and provided further that to the extent a public announcement or filing under the Exchange Act, if any, is required of or voluntarily made by us regarding the establishment of such plan, such announcement or filing shall include a statement to the effect that no transfer of Class A common stock may be made under such plan during the restricted period; and
- the filing by us of a registration statement on Form S-8 relating to securities granted or to be granted pursuant to any compensation benefit plan described in this prospectus.

The representatives, in their discretion, may release the common stock and other securities subject to the lock-up agreements described above in whole or in part at any time.

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In order to facilitate the offering of the Class A common stock, the underwriters may engage in transactions that stabilize, maintain or otherwise affect the price of the Class A common stock. Specifically, the underwriters may sell more shares than they are obligated to purchase under the underwriting agreement, creating a short position. A short sale is covered if the short position is no greater than the number of shares available for purchase by the underwriters under the option to purchase additional shares described above. The underwriters can close out a covered short sale by exercising the option to purchase additional shares or purchasing shares in the open market. In determining the source of shares to close out a covered short sale, the underwriters will consider, among other things, the open market price of shares compared to the price available under the option to purchase additional shares. The underwriters may also sell shares in excess of the option to purchase additional shares, creating a naked short position. The underwriters must close out any naked short position by purchasing shares in the open market. A naked short position is more likely to be created if the underwriters are concerned that there may be downward pressure on the price of the Class A common stock in the open market after pricing that could adversely affect investors who purchase in this offering. As an additional means of facilitating this offering, the underwriters may bid for, and purchase, shares of Class A common stock in the open market to stabilize the price of the Class A common stock. These activities may raise or maintain the market price of the Class A common stock above independent market levels or prevent or retard a decline in the market price of the Class A common stock. The underwriters are not required to engage in these activities and may end any of these activities at any time.

We, the selling stockholders and the underwriters have agreed to indemnify each other against certain liabilities, including liabilities under the Securities Act.

A prospectus in electronic format may be made available on websites maintained by one or more underwriters, or selling group members, if any, participating in this offering. The representatives may agree to allocate a number of shares of Class A common stock to underwriters for sale to their online brokerage account holders. Internet distributions will be allocated by the representatives to underwriters that may make Internet distributions on the same basis as other allocations.

The underwriters and their respective affiliates are full service financial institutions engaged in various activities, which may include securities trading, commercial and investment banking, financial advisory, investment management, investment research, principal investment, hedging, financing and brokerage activities. Certain of the underwriters and their respective affiliates have, from time to time, performed, and may in the future perform, various financial advisory and investment banking services for us, for which they received or will receive customary fees and expenses.

In addition, in the ordinary course of their various business activities, the underwriters and their respective affiliates may make or hold a broad array of investments and actively trade debt and equity securities (or related derivative securities) and financial instruments (including bank loans) for their own account and for the accounts of their customers and may at any time hold long and short positions in such securities and instruments. Such investment and securities activities may involve our securities and instruments. The underwriters and their respective affiliates may also make investment recommendations or publish or express independent research views in respect of such securities or instruments and may at any time hold, or recommend to clients that they acquire, long or short positions in such securities and instruments.

Selling Restrictions

European Economic Area

In relation to each EEA Member State (each a "Relevant Member State"), no shares of our class A Common Stock have been offered or will be offered pursuant to this offering to the public in that Relevant Member State prior to the publication of a prospectus in relation to shares of our Class A Common Stock which has been approved by the competent authority in that Relevant Member State or, where appropriate, approved in another

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Relevant Member State and notified to the competent authority in that Relevant Member State, all in accordance with the Prospectus Regulation, except that the shares of our Class A Common Stock may be offered to the public in that Relevant Member State at any time:

- a) to any legal entity which is a qualified investor as defined under Article 2 of the Prospectus Regulation;
- b) to fewer than 150 natural or legal persons (other than qualified investors as defined under Article 2 of the Prospectus Regulation) subject to obtaining the prior consent of the representatives for any such offer; or
- c) in any other circumstances falling within Article 1(4) of the Prospectus Regulation,

provided that no such offer of the shares of our Class A Common Stock shall require the Company and/or Selling Stockholders or any underwriter to publish a prospectus pursuant to Article 3 of the Prospectus Regulation or supplement a prospectus pursuant to Article 23 of the Prospectus Regulation.

For the purposes of this provision, the expression an 'offer to the public' in relation to the shares of our Class A Common Stock in any Relevant Member State means the communication in any form and by any means of sufficient information on the terms of the offer and any Shares to be offered so as to enable an investor to decide to purchase any shares of our Class A Common Stock, and the expression "Prospectus Regulation" means Regulation (EU) 2017/1129.

Each person in a Relevant Member State who receives any communication in respect of, or who acquires any shares of our Class A Common Stock under, the Offering contemplated hereby will be deemed to have represented, warranted and agreed to and with each of the Underwriters and their affiliates and the Company that:

- a) it is a qualified investor within the meaning of the Prospectus Regulation; and
- b) in the case of any shares of our Class A Common Stock acquired by it as a financial intermediary, as that term is used in Article 5 of the Prospectus Regulation, (i) the shares of our Class A Common Stock acquired by it in this offering have not been acquired on a non-discretionary basis on behalf of, nor have they been acquired with a view to their offer or resale to, persons in any Relevant Member State other than qualified investors, as that term is defined in the Prospectus Regulation, or have been acquired in other circumstances falling within the points (a) to (d) of Article 1(4) of the Prospectus Regulation and the prior consent of the representatives has been given to the offer or resale; or (ii) where the shares of our Class A Common Stock have been acquired by it on behalf of persons in any Relevant Member State other than qualified investors, the offer of those shares of our Class A common stock to it is not treated under the Prospectus Regulation as having been made to such persons.

The Company, the Underwriters and their affiliates, and others will rely upon the truth and accuracy of the foregoing representation, acknowledgement and agreement. Notwithstanding the above, a person who is not a qualified investor and who has notified the representatives of such fact in writing may, with the prior consent of the representatives, be permitted to acquire shares of our Class A Common Stock in this Offering.

United Kingdom

This prospectus and any other material in relation to the shares of our Class A common stock described herein is only being distributed to, and is only directed at, and any investment or investment activity to which this prospectus relates is available only to, and will be engaged in only with persons who are (i) persons having professional experience in matters relating to investments who fall within the definition of investment professionals in Article 19(5) of the FPO; or (ii) high net worth entities falling within Article 49(2)(a) to (d) of the FPO; (iii) outside the UK; or (iv) persons to whom an invitation or inducement to engage in investment activity (within the meaning of Section 21 of the FSMA) in connection with the issue or sale of any Shares may otherwise lawfully be communicated or caused to be communicated, (all such persons together being referred to

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as “Relevant Persons”). The shares of our Class A common stock are only available in the UK to, and any invitation, offer or agreement to purchase or otherwise acquire the shares of our Class A common stock will be engaged in only with, the Relevant Persons. This prospectus and its contents are confidential and should not be distributed, published or reproduced (in whole or in part) or disclosed by recipients to any other person in the UK. Any person in the UK that is not a Relevant Person should not act or rely on this prospectus or any of its contents.

No shares of our Class A common stock have been offered or will be offered pursuant to this offering to the public in the United Kingdom prior to the publication of a prospectus in relation to the shares of our Class A common stock which has been approved by the Financial Conduct Authority, except that the shares of our Class A common stock may be offered to the public in the United Kingdom at any time:

- a) to any legal entity which is a qualified investor as defined under Article 2 of the UK Prospectus Regulation;
- b) to fewer than 150 natural or legal persons (other than qualified investors as defined under Article 2 of the UK Prospectus Regulation), subject to obtaining the prior consent of the Global Coordinators for any such offer; or
- c) in any other circumstances falling within Section 86 of the FSMA.

provided that no such offer of the shares of our Class A common stock shall require the Company and/or any underwriters or any of their affiliates to publish a prospectus pursuant to Section 85 of the FSMA or supplement a prospectus pursuant to Article 23 of the UK Prospectus Regulation. For the purposes of this provision, the expression an “offer to the public” in relation to the shares of our Class A common stock in the United Kingdom means the communication in any form and by any means of sufficient information on the terms of the offer and any shares of our Class A common stock to be offered so as to enable an investor to decide to purchase or subscribe for any shares of our Class A common stock and the expression “UK Prospectus Regulation” means Regulation (EU) 2017/1129 as it forms part of domestic law by virtue of the European Union (Withdrawal) Act 2018.

Each person in the UK who acquires any shares of our Class A common stock in this offering or to whom any offer is made will be deemed to have represented, acknowledged and agreed to and with the Company, the Underwriters and their affiliates that it meets the criteria outlined in this section.

Canada

The Class A common stock may be sold in Canada only to purchasers purchasing, or deemed to be purchasing, as principal that are accredited investors, as defined in National Instrument 45-106 Prospectus Exemptions or subsection 73.3(1) of the Securities Act (Ontario), and are permitted clients, as defined in National Instrument 31-103 Registration Requirements, Exemptions, and Ongoing Registrant Obligations. Any resale of the Class A common stock must be made in accordance with an exemption from, or in a transaction not subject to, the prospectus requirements of applicable securities laws.

Securities legislation in certain provinces or territories of Canada may provide a purchaser with remedies for rescission or damages if this prospectus (including any amendment thereto) contains a misrepresentation, provided that the remedies for rescission or damages are exercised by the purchaser within the time limit prescribed by the securities legislation of the purchaser’s province or territory. The purchaser should refer to any applicable provisions of the securities legislation of the purchaser’s province or territory of these rights or consult with a legal advisor.

Pursuant to section 3A.3 of National Instrument 33-105 Underwriting Conflicts (NI 33-105), the underwriters are not required to comply with the disclosure requirements of NI 33-105 regarding underwriter conflicts of interest in connection with this offering.

Hong Kong

The Class A common stock may not be offered or sold in Hong Kong by means of any document other than (i) in circumstances which do not constitute an offer to the public within the meaning of the Companies (Winding Up and Miscellaneous Provisions) Ordinance (Cap. 32 of the Laws of Hong Kong) (“Companies (Winding Up and Miscellaneous Provisions) Ordinance”) or which do not constitute an invitation to the public within the meaning of the Securities and Futures Ordinance (Cap. 571 of the Laws of Hong Kong) (“Securities and Futures Ordinance”), (ii) to “professional investors” as defined in the Securities and Futures Ordinance and any rules made thereunder, or (iii) in other circumstances which do not result in the document being a “prospectus” as defined in the Companies (Winding Up and Miscellaneous Provisions) Ordinance, and no advertisement, invitation or document relating to the Class A common stock may be issued or may be in the possession of any person for the purpose of issue (in each case whether in Hong Kong or elsewhere), which is directed at, or the contents of which are likely to be accessed or read by, the public in Hong Kong (except if permitted to do so under the securities laws of Hong Kong) other than with respect to shares of Class A common stock which are or are intended to be disposed of only to persons outside Hong Kong or only to “professional investors” in Hong Kong as defined in the Securities and Futures Ordinance and any rules made thereunder.

Japan

The shares of Class A common stock have not been and will not be registered under the Financial Instruments and Exchange Act of Japan (Act No. 25 of 1948, as amended) (“FIEA”). The shares of Class A common stock may not be offered or sold, directly or indirectly, in Japan or to or for the benefit of any resident of Japan (including any person resident in Japan or any corporation or other entity organized under the laws of Japan) or to others for reoffering or resale, directly or indirectly, in Japan or to or for the benefit of any resident of Japan, except pursuant to an exemption from the registration requirements of the FIEA and otherwise in compliance with any relevant laws and regulations of Japan.

Singapore

This prospectus has not been registered as a prospectus with the Monetary Authority of Singapore. Accordingly, this prospectus and any other document or material in connection with the offer or sale, or invitation for subscription or purchase, of the Class A common stock may not be circulated or distributed, nor may the Class A common stock be offered or sold, or be made the subject of an invitation for subscription or purchase, whether directly or indirectly, to persons in Singapore other than (i) to an institutional investor (as defined under Section 4A of the Securities and Futures Act, Chapter 289 of Singapore (the “SFA”)) under Section 274 of the SFA, (ii) to a relevant person (as defined in Section 275(2) of the SFA) pursuant to Section 275(1) of the SFA, or any person pursuant to Section 275(1A) of the SFA, and in accordance with the conditions specified in Section 275 of the SFA or (iii) otherwise pursuant to, and in accordance with the conditions of, any other applicable provision of the SFA, in each case subject to conditions set forth in the SFA.

Where the shares of Class A common stock are subscribed or purchased under Section 275 of the SFA by a relevant person which is a corporation (which is not an accredited investor (as defined in Section 4A of the SFA)) the sole business of which is to hold investments and the entire share capital of which is owned by one or more individuals, each of whom is an accredited investor, the securities (as defined in Section 239(1) of the SFA) of that corporation shall not be transferable for 6 months after that corporation has acquired the shares under Section 275 of the SFA except: (1) to an institutional investor under Section 274 of the SFA or to a relevant person (as defined in Section 275(2) of the SFA), (2) where such transfer arises from an offer in that corporation’s securities pursuant to Section 275(1A) of the SFA, (3) where no consideration is or will be given for the transfer, (4) where the transfer is by operation of law, (5) as specified in Section 276(7) of the SFA, or (6) as specified in Regulation 32 of the Securities and Futures (Offers of Investments) (Shares and Debentures) Regulations 2005 of Singapore (“Regulation 32”).

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Where the shares of Class A common stock are subscribed or purchased under Section 275 of the SFA by a relevant person which is a trust (where the trustee is not an accredited investor (as defined in Section 4A of the SFA)) whose sole purpose is to hold investments and each beneficiary of the trust is an accredited investor, the beneficiaries' rights and interest (howsoever described) in that trust shall not be transferable for 6 months after that trust has acquired the shares under Section 275 of the SFA except: (1) to an institutional investor under Section 274 of the SFA or to a relevant person (as defined in Section 275(2) of the SFA), (2) where such transfer arises from an offer that is made on terms that such rights or interest are acquired at a consideration of not less than S\$200,000 (or its equivalent in a foreign currency) for each transaction (whether such amount is to be paid for in cash or by exchange of securities or other assets), (3) where no consideration is or will be given for the transfer, (4) where the transfer is by operation of law, (5) as specified in Section 276(7) of the SFA, or (6) as specified in Regulation 32.

Solely for the purposes of our obligations pursuant to Section 309B of the SFA, we have determined, and hereby notify all relevant persons (as defined in the Securities and Futures (Capital Markets Products) Regulations 2018 ("CMP Regulations")) that the shares of Class common stock are "prescribed capital markets products" (as defined in the CMP Regulations) and Excluded Investment Products (as defined in MAS Notice SFA 04-N12: Notice on the Sale of Investment Products and MAS Notice FAA-N16: Notice on Recommendations on Investment Products).

Switzerland

This prospectus is not intended to constitute an offer or solicitation to purchase or invest in the Class A common stock. The Class A common stock may not be publicly offered, directly or indirectly, in Switzerland within the meaning of the Swiss Financial Services Act ("FinSA") and will not be listed on the SIX Swiss Exchange ("SIX") or on any other stock exchange or regulated trading venue (exchange or multilateral trading facility) in Switzerland. This document does not constitute a prospectus within the meaning of, and has been prepared without regard to, the disclosure standards for issuance prospectuses under art. 652a or art. 1156 of the Swiss Code of Obligations or the disclosure standards for listing prospectuses under art. 27 ff. of the SIX Listing Rules or the listing rules of any other stock exchange or regulated trading venue (exchange or multilateral trading facility) in Switzerland. Neither this document nor any other offering or marketing material relating to the Class A common stock constitutes a prospectus pursuant to the FinSA, and neither this document nor any other offering or marketing material relating to the Class A common stock or the offering may be publicly distributed or otherwise made publicly available in Switzerland.

Neither this document nor any other offering or marketing material relating to the offering, the Company, or the Class A common stock have been or will be filed with or approved by any Swiss regulatory authority. In particular, this document will not be filed with, and the offer of Class A common stock will not be supervised by, the Swiss Financial Market Supervisory Authority FINMA (FINMA), and the offer of Class A common stock has not been and will not be authorized under the Swiss Federal Act on Collective Investment Schemes ("CISA"). The investor protection afforded to acquirers of interests in collective investment schemes under the CISA does not extend to acquirers of Class A common stock.

United Arab Emirates

The Class A common stock has not been, and are not being, publicly offered, sold, promoted or advertised in the United Arab Emirates (including the Dubai International Financial Centre) other than in compliance with the laws of the United Arab Emirates (and the Dubai International Financial Centre) governing the issue, offering and sale of securities. Further, this prospectus does not constitute a public offer of securities in the United Arab Emirates (including the Dubai International Financial Centre) and is not intended to be a public offer. This prospectus has not been approved by or filed with the Central Bank of the United Arab Emirates, the Securities and Commodities Authority or the Dubai Financial Services Authority.

LEGAL MATTERS

The validity of the issuance of our Class A common stock offered in this prospectus will be passed upon for us by Kirkland & Ellis LLP, Chicago, Illinois. Certain legal matters will be passed upon for the underwriters by Davis Polk & Wardwell LLP, Menlo Park, California.

EXPERTS

Ernst & Young LLP, independent registered public accounting firm, has audited our consolidated financial statements included in our Annual Report on Form 10-K for the year ended December 31, 2020, as set forth in their report which is incorporated by reference in this prospectus and elsewhere in the registration statement. Our consolidated financial statements are incorporated by reference in reliance on Ernst & Young LLP's report, given on their authority as experts in accounting and auditing.

WHERE YOU CAN FIND MORE INFORMATION

We have filed with the SEC a registration statement on Form S-1 under the Securities Act to register our Class A common stock being offered in this prospectus. This prospectus, which forms part of the registration statement, does not contain all of the information included in the registration statement and the attached exhibits. You will find additional information about us and our Class A common stock in the registration statement. References in this prospectus to any of our contracts, agreements or other documents are not necessarily complete, and you should refer to the exhibits attached to the registration statement for copies of the actual contracts, agreements or documents.

The SEC maintains a website that contains reports, proxy statements and other information about companies like us, who file electronically with the SEC. The address of that website is <http://www.sec.gov>. This reference to the SEC's website is an inactive textual reference only and is not a hyperlink.

We are subject to the reporting, proxy and information requirements of the Exchange Act, and are required to file periodic reports, proxy statements and other information with the SEC. These periodic reports, proxy statements and other information are available on the website of the SEC referred to above, as well as on our website, <https://www.maravai.com>. This reference to our website is an inactive textual reference only and is not a hyperlink. The contents of, or other information accessible through, our website are not part of this prospectus. We furnish our stockholders with annual reports containing audited financial statements and quarterly reports containing unaudited interim financial statements for each of the first three quarters of each year.

INCORPORATION OF CERTAIN INFORMATION BY REFERENCE

The SEC allows us to “incorporate by reference” information from other documents that we file with it, which means that we can disclose important information to you by referring you to those documents. The information incorporated by reference is considered to be part of this prospectus. Information in this prospectus supersedes information incorporated by reference that we filed with the SEC prior to the date of this prospectus. We incorporate by reference into this prospectus and the registration statement of which this prospectus is a part the information or documents listed below that we have filed with the SEC (File No. 001-39725):

- our Annual Report on [Form 10-K](#) for the year ended December 31, 2020, filed with the SEC on March 22, 2021 (including the portions of our Definitive Proxy Statement on [Schedule 14A](#), filed with the SEC on April 19, 2021, that we incorporate by reference in such [Annual Report](#));
- our Quarterly Reports on Form 10-Q for the Quarter Ended March 31, 2021, filed with the SEC on [May 12, 2021](#) and for the Quarter ended June 30, 2021, filed with the SEC on [August 11, 2021](#);
- our Current Reports on Form 8-K filed with the SEC on [April 5, 2021](#) (with respect to 8.01 only), [May 20, 2021](#), [August 10, 2021](#) (with respect to 1.01 only) and [September 3, 2021](#); and
- the description of our Class A common stock set forth in our registration statement on [Form 8-A](#), filed with the SEC on November 19, 2020, including any amendments thereto or reports filed for the purposes of updating this description.

Notwithstanding the statements in the preceding paragraphs, no document, report or exhibit (or portion of any of the foregoing) or any other information that we have “furnished” to the SEC pursuant to the Exchange Act shall be incorporated by reference into this prospectus.

We will furnish without charge to you, on written or oral request, a copy of any or all of the documents incorporated by reference in this prospectus, including exhibits to these documents. You should direct any requests for documents to Maravai LifeSciences Holdings, Inc., 10770 Wateridge Circle, Suite 200, San Diego, California 92121, Attention: Investor Relations.

You also may access these filings on our website at <https://investors.maravai.com/>. We do not incorporate the information on our website into this prospectus and you should not consider any information on, or that can be accessed through, our website as part of this prospectus (other than those filings with the SEC that we specifically incorporate by reference into this prospectus).

Any statement contained in a document incorporated by reference in this prospectus will be deemed modified, superseded or replaced for purposes of this prospectus to the extent that a statement contained in this prospectus modifies, supersedes or replaces such statement.

20,000,000 Shares



MORGAN STANLEY

JEFFERIES

GOLDMAN SACHS & CO. LLC

BoFA SECURITIES

CREDIT SUISSE

UBS INVESTMENT BANK

BAIRD

WILLIAM BLAIR

STIFEL

KEYBANC CAPITAL MARKETS

ACADEMY SECURITIES

LOOP CAPITAL MARKETS

PENSERRA SECURITIES LLC

TIGRESS FINANCIAL PARTNERS