

**AMPLIPHI BIOSCIENCES CORPORATION**

3579 Valley Centre Drive, Suite 100  
San Diego, California 92130

**NOTICE OF ANNUAL MEETING OF SHAREHOLDERS  
TO BE HELD ON SEPTEMBER 7, 2017**

Dear Shareholder:

You are cordially invited to attend the 2017 Annual Meeting of Shareholders of AmpliPhi Biosciences Corporation, a Washington corporation (“AmpliPhi” or the “Company”). The meeting will be held on Thursday, September 7, 2017 at 8:00 a.m. local time at the offices of Cooley LLP located at 4401 Eastgate Mall, San Diego, California 92121 for the following purposes:

1. To elect two Class II Directors of the Company.
2. Approval of the issuance by the Company of 523,210 shares of common stock to certain former holders of the Company’s Series B convertible preferred stock (the “Holders”), pursuant to the terms of that certain First Amendment to Common Stock Issuance Agreement, dated June 27, 2017, by and among the Company and the Holders.
3. Approval of an amendment to the AmpliPhi Biosciences Corporation 2016 Equity Incentive Plan to, among other things, increase the aggregate number of shares of common stock authorized for issuance under the plan by 800,000 shares.
4. Ratification of the Audit Committee’s selection of Ernst & Young LLP as the Company’s independent registered public accounting firm for the fiscal year ending December 31, 2017.
5. To conduct any other business properly brought before the meeting.

These items of business are more fully described in the Proxy Statement accompanying this Notice.

The record date for the meeting is July 12, 2017. Only shareholders of record at the close of business on that date may vote at the meeting or any adjournment thereof.

**Important Notice Regarding the Availability of Proxy Materials for the 2017 Annual Meeting of Shareholders to be held on September 7, 2017 at 8:00 a.m. local time at the offices of Cooley LLP located at 4401 Eastgate Mall, San Diego, California 92121**

**The proxy statement and annual report to shareholders are available at  
[www.ampliphio.com/investor-relations.html](http://www.ampliphio.com/investor-relations.html).**

By Order of the Board of Directors,



Jeremy Curnock Cook  
*Chairman of the Board of Directors*

San Diego, California  
July 24, 2017

**You are cordially invited to attend the meeting in person. Whether or not you expect to attend the meeting, please complete, date, sign and return the enclosed proxy, or vote over the telephone or the internet as instructed in these materials, as promptly as possible in order to ensure your representation at the meeting. A return envelope (which is postage prepaid if mailed in the United States) has been provided for your convenience. Even if you have voted by proxy, you may still vote in person if you attend the meeting. Please note, however, that if your shares are held of record by a broker, bank or other nominee and you wish to vote at the meeting, you must obtain a proxy issued in your name from that record holder.**

**AMPLIPHI BIOSCIENCES CORPORATION**

3579 Valley Centre Drive, Suite 100  
San Diego, California 92130

**PROXY STATEMENT  
FOR THE 2017 ANNUAL MEETING OF SHAREHOLDERS  
TO BE HELD ON SEPTEMBER 7, 2017**

**QUESTIONS AND ANSWERS ABOUT THESE PROXY MATERIALS AND VOTING**

**Why am I receiving these materials?**

We have sent you these proxy materials because the Board of Directors (sometimes referred to as the “Board”) of AmpliPhi Biosciences Corporation (sometimes referred to as the “Company”, “AmpliPhi”, “we” or “us”) is soliciting your proxy to vote at the 2017 Annual Meeting of Shareholders (the “annual meeting” or the “meeting”), including at any adjournments or postponements of the meeting. You are invited to attend the annual meeting to vote on the proposals described in this proxy statement. However, you do not need to attend the meeting to vote your shares. Instead, you may simply complete, sign and return the enclosed proxy card or follow the instructions below to submit your proxy over the telephone or through the internet.

We intend to mail these proxy materials on or about July 26, 2017 to all shareholders of record entitled to vote at the annual meeting.

**How do I attend the annual meeting?**

The meeting will be held on Thursday, September 7, 2017 at 8:00 a.m. local time at the offices of Cooley LLP located at 4401 Eastgate Mall, San Diego, California 92121. Directions to the annual meeting may be found at [www.ampliphio.com/investor-relations.html](http://www.ampliphio.com/investor-relations.html). Information on how to vote in person at the annual meeting is discussed below.

**Who can vote at the annual meeting?**

Only shareholders of record at the close of business on July 12, 2017 will be entitled to vote at the annual meeting. On this record date, there were 8,749,052 shares of common stock outstanding and entitled to vote.

*Shareholder of Record: Shares Registered in Your Name*

If on July 12, 2017 your shares were registered directly in your name with AmpliPhi’s transfer agent, Computershare, Inc., then you are a shareholder of record. As a shareholder of record, you may vote in person at the meeting or vote by proxy. Whether or not you plan to attend the meeting, we urge you to fill out and return the enclosed proxy card or vote by proxy over the telephone or on the internet as instructed below to ensure your vote is counted.

*Beneficial Owner: Shares Registered in the Name of a Broker or Bank*

If on July 12, 2017 your shares were held, not in your name, but rather in an account at a brokerage firm, bank, dealer or other similar organization, then you are the beneficial owner of shares held in “street name” and these proxy materials are being forwarded to you by that organization. The organization holding your account is considered to be the shareholder of record for purposes of voting at the annual meeting. As a beneficial owner, you have the right to direct your broker or other agent regarding how to vote the shares in your account. You are also invited to attend the annual meeting. However, since you are not the shareholder of record, you may not vote your shares in person at the meeting unless you request and obtain a valid proxy from your broker or other agent.

## **What am I voting on?**

There are four matters scheduled for a vote:

- Election of the two nominees for director named in this proxy statement;
- Approval of the issuance by the Company of 523,210 shares of common stock to certain former holders of the Company's Series B convertible preferred stock (the "Holders"), pursuant to the terms of that certain First Amendment to Common Stock Issuance Agreement, dated June 27, 2017, by and among the Company and the Holders;
- Approval of an amendment to the AmpliPhi Biosciences Corporation 2016 Equity Incentive Plan to, among other things, increase the aggregate number of shares of common stock authorized for issuance under the plan by 800,000 shares; and
- Ratification of the Audit Committee's selection of Ernst & Young LLP as the Company's independent registered public accounting firm for the fiscal year ending December 31, 2017.

## **What if another matter is properly brought before the meeting?**

The Board of Directors knows of no other matters that will be presented for consideration at the annual meeting. If any other matters are properly brought before the meeting, it is the intention of the persons named in the accompanying proxy to vote on those matters in accordance with their best judgment.

## **How do I vote?**

You may either vote "For" all the nominees to the Board of Directors or you may "Withhold" your vote for any nominee you specify. For each of the other matters to be voted on, you may vote "For" or "Against" or abstain from voting.

The procedures for voting are fairly simple:

### *Shareholder of Record: Shares Registered in Your Name*

If you are a shareholder of record, you may vote in person at the annual meeting, vote by proxy over the telephone, vote by proxy using the enclosed proxy card or vote by proxy through the internet. Whether or not you plan to attend the meeting, we urge you to vote by proxy to ensure your vote is counted. You may still attend the meeting and vote in person even if you have already voted by proxy.

- To vote in person, come to the annual meeting and we will give you a ballot when you arrive.
- To vote using the proxy card, simply complete, sign and date the enclosed proxy card and return it promptly in the envelope provided. If you return your signed proxy card to us before the annual meeting, we will vote your shares as you direct.
- To vote over the telephone, dial toll-free 1-800-652-8683 using a touch-tone phone and follow the recorded instructions. You will be asked to provide the control number from the enclosed proxy card. Your vote must be received by 11:59 p.m. Eastern Time on September 6, 2017 to be counted.
- To vote through the internet, go to [www.envisionreports.com/APHB](http://www.envisionreports.com/APHB) to complete an electronic proxy card. You will be asked to provide the control number from the enclosed proxy card. Your vote must be received by 11:59 p.m. Eastern Time on September 6, 2017 to be counted.

### *Beneficial Owner: Shares Registered in the Name of Broker or Bank*

If you are a beneficial owner of shares registered in the name of your broker, bank, or other agent, you should have received a voting instruction form with these proxy materials from that organization rather than from AmpliPhi. Simply complete and mail the voting instruction form to ensure that your vote is counted. Alternatively, you may vote by telephone or over the internet as instructed by your broker or bank. To vote in person at the annual meeting, you must obtain a valid proxy from your broker, bank or other agent. Follow the instructions from your broker or bank included with these proxy materials, or contact your broker or bank to request a proxy form.

**We provide internet proxy voting to allow you to vote your shares online, with procedures designed to ensure the authenticity and correctness of your proxy vote instructions. However, please be aware that you must bear any costs associated with your internet access, such as usage charges from internet access providers and telephone companies.**

**How many votes do I have?**

On each matter to be voted upon, you have one vote for each share of common stock you owned as of the close of business on July 12, 2017.

**What happens if I do not vote?**

*Shareholder of Record: Shares Registered in Your Name*

If you are a shareholder of record and do not vote by completing your proxy card, by telephone, through the internet or in person at the annual meeting, your shares will not be voted.

*Beneficial Owner: Shares Registered in the Name of Broker or Bank*

If you are a beneficial owner and do not instruct your broker, bank, or other agent how to vote your shares, the question of whether your broker or nominee will still be able to vote your shares depends on whether the New York Stock Exchange deems the particular proposal to be a “routine” matter. Brokers and nominees can use their discretion to vote “uninstructed” shares with respect to matters that are considered to be “routine,” but not with respect to “non-routine” matters. Under the rules and interpretations of the New York Stock Exchange, “non-routine” matters are matters that may substantially affect the rights or privileges of shareholders, such as mergers, shareholder proposals, elections of directors (even if not contested), and certain corporate governance proposals, even if management-supported. Accordingly, your broker or nominee may not vote your shares on Proposals 1, 2, or 3 without your instructions, but may vote your shares on Proposal 4 even in the absence of your instruction.

**What if I return a proxy card or otherwise vote but do not make specific choices?**

If you return a signed and dated proxy card or otherwise vote without marking voting selections, your shares will be voted, as applicable: “For” Proposal 1, the election of both nominees for director; “For” Proposal 2, approval of the proposed issuance by the Company of 523,210 shares of common stock to certain former holders of the Company’s Series B convertible preferred stock, pursuant to the terms of that certain First Amendment to Common Stock Issuance Agreement, dated June 27, 2017, by and among the Company and such holders; “For” Proposal 3, approval of an amendment to the AmpliPhi Biosciences Corporation 2016 Equity Incentive Plan to, among other things, increase the aggregate number of shares of common stock authorized for issuance under the plan by 800,000 shares; and “For” Proposal 4, ratification of the Audit Committee’s selection of Ernst & Young LLP as the Company’s independent registered public accounting firm for the fiscal year ending December 31, 2017. If any other matter is properly presented at the meeting, your proxyholder (one of the individuals named on your proxy card) will vote your shares using his or her best judgment.

**Who is paying for this proxy solicitation?**

We will pay for the entire cost of soliciting proxies. In addition to these proxy materials, our directors and employees and Georgeson LLC may also solicit proxies in person, by telephone, or by other means of communication. Directors and employees will not be paid any additional compensation for soliciting proxies, Georgeson LLC will be paid its customary fee of approximately \$10,000, plus out-of-pocket expenses if it solicits proxies. We may also reimburse brokerage firms, banks and other agents for the cost of forwarding proxy materials to beneficial owners.

**What does it mean if I receive more than one set of proxy materials?**

If you receive more than one set of proxy materials, your shares may be registered in more than one name or in different accounts. Please follow the voting instructions on the proxy cards in the proxy materials to ensure that all of your shares are voted.

## **Can I change my vote after submitting my proxy?**

### *Shareholder of Record: Shares Registered in Your Name*

Yes. You can revoke your proxy at any time before the final vote at the meeting. If you are the record holder of your shares, you may revoke your proxy in any one of the following ways:

- You may submit another properly completed proxy card with a later date.
- You may grant a subsequent proxy by telephone or through the internet.
- You may send a timely written notice that you are revoking your proxy to our Secretary at AmpliPhi Biosciences Corporation, 3579 Valley Centre Drive, Suite 100, San Diego, California 92130.
- You may attend the annual meeting and vote in person. Simply attending the meeting will not, by itself, revoke your proxy.

Your most current proxy card or telephone or internet proxy is the one that is counted.

### *Beneficial Owner: Shares Registered in the Name of Broker or Bank*

If your shares are held by your broker or bank as a nominee or agent, you should follow the instructions provided by your broker or bank.

## **When are shareholder proposals and director nominations due for next year's annual meeting?**

To be considered for inclusion in next year's proxy materials, your proposal must be submitted in writing by March 28, 2018, to our Secretary at AmpliPhi Biosciences Corporation, 3579 Valley Centre Drive, Suite 100, San Diego, California 92130. If you wish to submit a proposal (including a director nomination) that is not to be included in next year's proxy materials, your proposal generally must be submitted in writing to the same address not fewer than 60 nor more than 90 days prior to the date approved by the Board of Directors to hold the 2018 Annual Meeting of Shareholders; provided, that if we provide less than 60 days' notice of such date, your proposal (including a director nomination) must be received by our Secretary not later than the tenth day following the day on which the notice of the date of the 2018 Annual Meeting of Shareholders is mailed or publicly disclosed. Please review our current bylaws, which contain additional requirements regarding advance notice of shareholder proposals and nominations.

## **How are votes counted?**

Votes will be counted by the inspector of election appointed for the meeting, who will separately count, for the proposal to elect directors, votes "For," "Withhold" and broker non-votes; and, with respect to other proposals, votes "For" and "Against," abstentions and, if applicable, broker non-votes. Under the rules of the NYSE MKT, abstentions are considered to be votes "cast" and will have the same effect as "Against" votes for each of Proposals 2, 3, and 4. Broker non-votes will not be counted towards the vote total for any proposal.

## **What are "broker non-votes"?**

As discussed above, when a beneficial owner of shares held in "street name" does not give instructions to the broker or nominee holding the shares as to how to vote on matters deemed by the New York Stock Exchange to be "non-routine," the broker or nominee cannot vote the shares. These unvoted shares are counted as "broker non-votes."

### How many votes are needed to approve each proposal?

The following table summarizes the minimum vote needed to approve each proposal and the effect of abstentions and broker non-votes.

<b>Proposal Number</b>	<b>Proposal Description</b>	<b>Vote Required for Approval</b>	<b>Effect of Abstentions</b>	<b>Effect of Broker Non-Votes</b>
1	Election of Directors	The two nominees receiving the most “For” votes will be elected to the Board of Directors.	None	None
2	Approval of the proposed issuance by the Company of 523,210 shares of common stock to certain former holders of the Company’s Series B convertible preferred stock, pursuant to the terms of that certain First Amendment to Common Stock Issuance Agreement, dated June 27, 2017, by and among the Company and such holders	The number of shares that vote “For” the proposal must exceed the number of shares that vote “Against” the proposal.	Against	None
3	Approval of an amendment to the AmpliPhi Biosciences Corporation 2016 Equity Incentive Plan to, among other things, increase the aggregate number of shares of common stock authorized for issuance under the plan by 800,000 shares	The number of shares that vote “For” the proposal must exceed the number of shares that vote “Against” the proposal.	Against	None
4	Ratification of the Audit Committee’s selection of Ernst & Young LLP as the Company’s independent registered public accounting firm for the fiscal year ending December 31, 2017	The number of shares that cast a vote “For” the proposal must exceed the number of shares that cast a vote “Against” the proposal.	Against	None

### What is the quorum requirement?

A quorum of shareholders is necessary to hold a valid meeting. A quorum will be present if shareholders holding at least a majority of the outstanding shares entitled to vote on a matter and be counted collectively upon such matter are present at the meeting in person or represented by proxy. On the record date, there were 8,749,052 shares outstanding and entitled to vote. Thus, the holders of 4,374,527 shares must be present in person or represented by proxy at the meeting to have a quorum.

Your shares will be counted towards the quorum only if you submit a valid proxy (or one is submitted on your behalf by your broker, bank or other nominee) or if you vote in person at the meeting. Abstentions and broker non-votes will be counted towards the quorum requirement. If there is no quorum, the holders of a majority of shares at the meeting in person or represented by proxy may adjourn the meeting to another date.

**How can I find out the results of the voting at the annual meeting?**

Preliminary voting results will be announced at the annual meeting. In addition, final voting results will be published in a current report on Form 8-K that we expect to file within four business days after the annual meeting. If final voting results are not available to us in time to file a Form 8-K within four business days after the meeting, we intend to file a Form 8-K to publish preliminary results and, within four business days after the final results are known to us, file an additional Form 8-K to publish the final results.

**What proxy materials are available on the internet?**

The proxy statement, Form 10-K and annual report to shareholders are available at [www.ampliphbio.com/investor-relations.html](http://www.ampliphbio.com/investor-relations.html).

## PROPOSAL 1

### ELECTION OF DIRECTORS

AmpliPhi's Board of Directors is divided into three classes. Each class consists, as nearly as possible, of one-third of the total number of directors, and each class has a three-year term. Under our current bylaws, any vacancy occurring on the Board (other than a director removed for cause by the shareholders) may be filled by the shareholders, the Board or, if the directors in office constitute fewer than a quorum, by the affirmative vote of a majority of the remaining directors. A vacancy occurring as a result of the removal of a director for cause may be filled only by a vote of the holders of two-thirds of the shares then entitled to elect the director removed.

The Board of Directors presently has six members. There are two directors in Class II, whose term of office expires in 2017. The two nominees for Class II director are Wendy S. Johnson and Vijay B. Samant. Each of the Class II director nominees is currently a director of the Company who was previously elected by the shareholders. If elected at the annual meeting, each of these Class II director nominees would serve until the 2020 Annual Meeting of Shareholders and until her or his successor has been duly elected and qualified, or, if sooner, until the director's death, resignation or removal.

Directors are elected by a plurality of the votes of the holders of shares present in person or represented by proxy and entitled to vote on the election of directors. Accordingly, the two nominees receiving the highest number of affirmative votes will be elected. Shares represented by executed proxies will be voted, if authority to do so is not withheld, for the election of the two nominees named below. If any nominee becomes unavailable for election as a result of an unexpected occurrence, shares that would have been voted for that nominee will instead be voted for the election of a substitute nominee proposed by the Board of Directors. Each person nominated for election has agreed to serve if elected. The Company's management has no reason to believe that any nominee will be unable to serve.

#### THE BOARD OF DIRECTORS RECOMMENDS A VOTE "FOR" EACH NAMED NOMINEE

The following table sets forth information for our current directors:

Name	Age	Position
Paul C. Grint, M.D.	59	Chief Executive Officer, Director
Jeremy Curnock Cook <sup>(2)(3)</sup>	67	Chairman of the Board
Louis Drapeau <sup>(1)(2)(3)</sup>	73	Director
Wendy S. Johnson	65	Director
Michael S. Perry, Ph.D. <sup>(1)(2)(3)</sup>	58	Director
Vijay B. Samant <sup>(1)</sup>	64	Director

(1) Member of the Audit Committee.

(2) Member of the Compensation Committee.

(3) Member of the Nominating and Corporate Governance Committee.

The Nominating and Corporate Governance Committee seeks to assemble a Board of Directors that, as a whole, possesses the appropriate balance of professional and industry knowledge, financial expertise and high-level management experience necessary to oversee and direct the Company's business. To that end, the Nominating and Corporate Governance Committee has identified and evaluated nominees in the broader context of the Board of Directors' overall composition, with the goal of recruiting members who complement and strengthen the skills of other members and who also exhibit integrity, collegiality, sound business judgment and other qualities that the Nominating and Corporate Governance Committee views as critical to effective functioning of the Board of Directors. The brief biographies below include information regarding the specific and particular experience, qualifications, attributes or skills of each nominee that led the Nominating and Corporate Governance Committee to recommend that person as a nominee. However, each of the members of the Nominating and Corporate Governance Committee may have a variety of reasons why he

believes a particular person would be an appropriate nominee for the Board of Directors, and these views may differ from the views of other members.

#### **NOMINEES FOR ELECTION FOR A THREE-YEAR TERM EXPIRING AT THE 2020 ANNUAL MEETING**

**Wendy S. Johnson** has served as a member of our Board of Directors since May 2014. In addition, Ms. Johnson served as our Interim Chief Operating Officer from September 2014 to January 2017. From 2005 to January 2014, Ms. Johnson served as a venture partner at ProQuest Investments, a venture capital firm. From 2006 to January 2014, Ms. Johnson served as the President and Chief Executive Officer of Aires Pharmaceuticals, a ProQuest portfolio company. Prior to joining ProQuest, she served as Senior Vice President, Corporate Development, at Salmedix Inc., and she held senior business and corporate development positions at WomenFirst Healthcare, Prizm Pharmaceuticals (Selective Genetics Inc.), Cytel Corp., Synbiotics Corp., and Murex Corp. (Cambridge U.K.). Additionally, Ms. Johnson served as Assistant Director with the Center for Devices and Radiological Health at the U.S. Food and Drug Administration. Ms. Johnson received an M.B.A. from Loyola University, an M.S. in clinical microbiology from the Hahnemann Medical School and a B.S. in microbiology from the University of Maryland. The Nominating and Corporate Governance Committee and the Board of Directors believe that Ms. Johnson's significant experience in pharmaceutical drug development and business development, as well her strong background in microbiology, qualifies her to serve on our Board of Directors.

**Vijay B. Samant** has served as a member of our Board of Directors since November 2015. Since November 2000, Mr. Samant has served as President and Chief Executive Officer of Vical, Inc., a developer of biopharmaceutical products for the prevention and treatment of chronic life-threatening infectious diseases. Prior to joining Vical, he had 23 years of diverse U.S. and international sales, marketing, operations, and business development experience with Merck. From 1998 to 2000, he was Chief Operating Officer of the Merck Vaccine Division. From 1990 to 1998, he served in the Merck Manufacturing Division as Vice President of Vaccine Operations, Vice President of Business Affairs and Executive Director of Materials Management. Mr. Samant holds a master's degree in management studies from the Sloan School of Management at the Massachusetts Institute of Technology, a master's degree in chemical engineering from Columbia University, and a bachelor's degree in chemical engineering from the University of Bombay, University Department of Chemical Technology. Mr. Samant has been a member of the board of directors of Vical since 2000, and was a member of the board of directors of Raptor Pharmaceutical Corporation from 2011 to 2014, and was a member of the board of directors for BioMarin Pharmaceutical Inc. from 2002 to 2004. Mr. Samant was a Director of the Aeras Global TB Vaccine Foundation from 2001 to 2010, a member of the Board of Trustees for the National Foundation for Infectious Diseases from 2003 to 2012, and a member of the Board of Trustees for the International Vaccine Institute in Seoul, Korea from 2008 to 2012. The Nominating and Corporate Governance Committee and the Board of Directors believe that Mr. Samant's significant experience leading biopharmaceutical product development companies, as well his significant sales, marketing, operations, and business development expertise within the biotechnology and pharmaceutical industries, qualifies him to serve on our Board of Directors.

The following is a brief biography, and a discussion of the specific experience, qualifications, attributes or skills of each director whose term will continue after the 2017 Annual Meeting of Shareholders.

#### **CLASS III DIRECTORS CONTINUING IN OFFICE UNTIL THE 2018 ANNUAL MEETING**

**Jeremy Curnock Cook** has served as a member of our Board of Directors since July 1995 and as Chairman of the Board of Directors since February 1998. From September 2014 to May 2015, he served as our Interim Chief Executive Officer. Mr. Curnock Cook has served as Chairman of International Bioscience Managers Limited, a corporate and investment advisory firm, since 2000, and also currently serves as Managing Director of Bioscience Managers Pty Ltd, a medical sciences fund manager. From 1987 to 2000, Mr. Curnock Cook was a director of Rothschild Asset Management Limited, a corporate and investment advisory company, and was responsible for the Rothschild Bioscience Unit. Mr. Curnock Cook founded the International Biochemicals Group in 1975, which was sold in 1985 to Royal Dutch Shell, where he served as Managing Director until 1987. He also serves as a member of the board of directors of Avita Medical Ltd, a publicly traded (ASX:AVH) medical technology company, Nexus6 Ltd and SeaDragon Ltd. Mr. Curnock Cook received an M.A. in natural sciences from Trinity College, Dublin. The Nominating and Corporate

Governance Committee and the Board of Directors believe that Mr. Curnock Cook's significant experience as a board member of multiple biotechnology companies qualifies him to serve on our Board of Directors.

**Paul C. Grint, M.D.** has served as our Chief Executive Officer since May 2017 and as a member of our Board of Directors since November 2015. Dr. Grint served on the Compensation Committee of our Board of Directors until his appointment as our Chief Executive Officer. From June 2015 to May 2017, Dr. Grint served as the President and Chief Executive Officer and on the board of directors of Regulus Therapeutics Inc., a company focused on the discovery and development of microRNA therapeutics, and served as the Chief Medical Officer of Regulus Therapeutics Inc. from June 2014 to June 2015. From February 2011 to June 2014, Dr. Grint served as the President of Cerexa, Inc., a wholly owned subsidiary of Forest Laboratories, Inc., a pharmaceutical company, where he was responsible for the oversight of anti-infective product development. Before that, Dr. Grint served as Senior Vice President of Research at Forest Research Institute, Inc., the scientific development subsidiary of Forest Laboratories, Inc., from January 2009 to February 2011, and as Chief Medical Officer of Kalypsys, Inc., a biopharmaceutical company, from 2006 to 2008. Dr. Grint also previously served in similar executive level positions at Pfizer Inc., IDEC Pharmaceuticals Corporation, and Schering-Plough Corporation. Dr. Grint currently serves on the board of directors of Amplyx Pharmaceuticals, Inc. and of Synedgen, Inc., and served on the board of directors of Illumina Inc. from April 2005 to May 2013. Dr. Grint received a B.S. in Medical Science from St. Mary's Hospital in London and his medical degree from St. Bartholomew's Hospital Medical College at the University of London. The Nominating and Corporate Governance Committee and the Board of Directors believe that Dr. Grint's significant experience in leading biotechnology and pharmaceutical companies, as well his significant experience in drug development and in the biotechnology industry, qualifies him to serve on our Board of Directors.

#### **CLASS I DIRECTORS CONTINUING IN OFFICE UNTIL THE 2019 ANNUAL MEETING**

**Louis Drapeau** has served as a member of our Board of Directors since March 2011. Since October 2007 through February 2016, Mr. Drapeau has served in various management positions of InSite Vision, a traded ophthalmology drug development company that was acquired in October 2015, including Vice President and Chief Financial Officer and Chief Executive Officer from November 2008 to December 2010. Prior to InSite Vision, he served as Chief Financial Officer, Senior Vice President, Finance, at Nektar Therapeutics, a biopharmaceutical company, from January 2006 to August 2007. Prior to Nektar, he served as Acting Chief Executive Officer from August 2004 to May 2005 and as Senior Vice President and Chief Financial Officer from August 2002 to August 2005 for BioMarin Pharmaceutical Inc. Previously, Mr. Drapeau spent 30 years at Arthur Andersen, including 19 years as an Audit Partner in Arthur Andersen's Northern California Audit and Business Consulting practice, which included 12 years as Managing Partner. From February 2007 until April 2017, Mr. Drapeau served as a member of the board of Bio-Rad Laboratories, Inc., a publicly traded pharmaceutical company. Mr. Drapeau currently serves on the board of directors of Avita Medical Ltd, a publicly traded (ASX:AVH) medical technology company, Mr. Drapeau received a B.S. in mechanical engineering and an M.B.A. from Stanford University. The Nominating and Corporate Governance Committee and the Board of Directors believe that Mr. Drapeau's experience with respect to accounting and financial matters qualifies him to serve on our Board of Directors.

**Michael S. Perry, D.V.M., Ph.D.** has served as a member of our Board of Directors since November 2005. Since June 2017 Dr. Perry has served as the Chief Executive Officer of Avita Medical Ltd, a publicly traded (ASX:AVH) medical technology company, and has been a member of the board of directors of Avita Medical since February 2013. Since April of 2017 he has also served as a Director and Operating Partner of Bioscience Managers Pty Ltd., a medical sciences fund manager. From January 2016 to April 2017, Dr. Perry served as Senior Vice President and Chief Scientific Officer of Global Business Development and Licensing for Novartis AG. From September 2014 to January 2016 he served as Chief Scientific Officer for the Cell and Gene Therapy Unit of Novartis Pharmaceuticals Corporation and from October 2012 to September 2014, he served as Global Head of Stem Cell Therapy and Vice President of the Integrated Hospital Care Franchise for Novartis Pharmaceuticals Corporation. Prior to rejoining Novartis in October 2012, he was a Venture Partner with Bay City Capital, LLC, a venture capital firm, from 2005 to September 2012. While serving in this capacity, he concurrently served as President and Chief Medical Officer at Poniard Pharmaceuticals, Inc., a publicly held drug development company, and from 2009 to 2011. Dr. Perry also previously served as Chief

Development Officer of VIA Pharmaceuticals, Inc., a publicly held biotechnology company, from 2005 to 2009. Dr. Perry served as Chairman and Chief Executive Officer of Extropy Pharmaceuticals, Inc., a privately held pediatric specialty pharmaceutical company, from 2003 to 2005. From 2002 to 2003, he served as President and Chief Executive Officer of Pharsight Corporation, a publicly held software and consulting services firm. From 2000 to 2002, he served as Global Head of Research and Development for Baxter Healthcare's BioScience Division (now Baxalta). From 1997 to 2000, Dr. Perry served as President and Chief Executive Officer of SyStemix Inc. and Genetic Therapy Inc., both wholly-owned subsidiaries of Novartis Pharma. Dr. Perry served as Vice President of Regulatory Affairs for Novartis from 1994 to 1997. Prior to 1994, Dr. Perry held various management positions with Syntex Corporation (now Roche), Schering-Plough Corporation (now Merck) and BioResearch Laboratories, Inc. Dr. Perry received a Doctor of Veterinary Medicine (DVM), a Ph.D. in biomedical science-pharmacology specialty and an Honours B.Sc. in physics from the University of Guelph in Ontario, Canada. He is also a graduate of the Harvard Business School International Management Forum. Dr. Perry has served as Adjunct Professor in the Gates Center for Regenerative Medicine at the University of Colorado School of Medicine, Anschutz Medical Campus since November 2013. He has served as a member of the board of directors of Arrowhead Pharmaceuticals since December 2011 and on the board of Gamida Cell Ltd. since May 2017. The Nominating and Corporate Governance Committee and the Board of Directors believe that Dr. Perry's substantial scientific and medical knowledge, investing experience, and operational and executive experience in the biotechnology and pharmaceutical industries qualifies him to serve on our Board of Directors.

## **INFORMATION REGARDING THE BOARD OF DIRECTORS AND CORPORATE GOVERNANCE**

### **INDEPENDENCE OF THE BOARD OF DIRECTORS**

As required under the NYSE MKT listing standards, a majority of the members of a listed company's Board of Directors must qualify as "independent," as affirmatively determined by the Board of Directors. Our Board of Directors consults with the Company's counsel to ensure that the Board's determinations are consistent with relevant securities and other laws and regulations regarding the definition of "independent," including those set forth in pertinent listing standards of NYSE MKT, as in effect from time to time.

Consistent with these considerations, after review of all relevant identified transactions or relationships between each director, or any of his or her family members, and the Company, its senior management and its independent auditors, the Board has affirmatively determined that all of our directors are independent directors within the meaning of the applicable NYSE MKT listing standards, other than Dr. Grint and Ms. Johnson. In making this determination, the Board found that none of these directors or nominees for director had a material or other disqualifying relationship with the Company. The Board concluded that Dr. Grint and Ms. Johnson are not independent directors within the meaning of the applicable NYSE MKT listing standards rules given their roles as Chief Executive Officer and former Interim Chief Operating Officer, respectively.

### **BOARD LEADERSHIP STRUCTURE**

Our Board of Directors has a Chairman, Jeremy Curnock Cook, who has authority, among other things, to call and preside over board meetings, to set meeting agendas and to determine materials to be distributed to the Board. Accordingly, the Chairman has substantial ability to shape the work of the Board of Directors. We have a separate chair for each committee of the Board. As a general policy, the Board believes that separation of the positions of Chairman and Chief Executive Officer reinforces the independence of the Board of Directors from management, creates an environment that encourages objective oversight of management's performance and enhances the effectiveness of the Board of Directors as a whole. As such, Dr. Grint serves as our Chief Executive Officer while Mr. Cook serves as our Chairman of the Board of Directors but is not an officer. We expect and intend the positions of Chairman of the Board of Directors and Chief Executive Officer to continue to be held by separate individuals in the future.

### **ROLE OF THE BOARD IN RISK OVERSIGHT**

The Audit Committee of our Board of Directors is primarily responsible for overseeing our financial risk management processes on behalf of the Board. Going forward, we expect that the Audit Committee will receive reports from management at least quarterly regarding our assessment of risks. In addition, the audit committee reports regularly to the full Board, which also considers our risk profile. The Audit Committee and the Board focus on the most significant risks we face and our general risk management strategies. While the Board oversees our risk management, our management is responsible for day-to-day risk management processes. The Board expects management to consider risk and risk management in each business decision, to proactively develop and monitor risk management strategies and processes for day-to-day activities and to effectively implement risk management strategies adopted by the Audit Committee and the Board. We believe this division of responsibilities is the most effective approach for addressing the risks we face and that our board of directors leadership structure, which also emphasizes the independence of our board of directors in its oversight of its business and affairs, supports this approach.

### **MEETINGS OF THE BOARD OF DIRECTORS**

The Board of Directors met eleven times during the last fiscal year. Each Board member attended 75% or more of the total number of meetings of the Board and of the committees on which he or she served, held during the portion of the last fiscal year for which he or she was a director or committee member.

As required under applicable NYSE MKT listing standards, during 2016, the Company's independent directors met on a regular basis in executive session without the presence of non-independent directors and management.

## INFORMATION REGARDING COMMITTEES OF THE BOARD OF DIRECTORS

The Board of Directors has an Audit Committee, a Compensation Committee and a Nominating and Corporate Governance Committee. The following table provides membership and meeting information during 2016 for each of the Board committees:

Name	Audit	Compensation	Nominating and Corporate Governance
Jeremy Curnock Cook <sup>(1)</sup>	X	X	X*
Louis Drapeau <sup>(2)</sup>	X*	X	X
Michael S. Perry, Ph.D.	X	X*	X
Julian P. Kirk <sup>(3)</sup>			
Vijay B. Samant	X		
Paul C. Grint, M.D.		X	
M. Scott Salka			
Wendy S. Johnson			
Total meetings during 2016	8	3	None

\* Committee Chairperson

(1) Mr. Curnock Cook resigned from the Audit Committee in January 2016.

(2) Mr. Drapeau resigned from the Compensation Committee in January 2016. He was reappointed to the Compensation Committee in June 2017.

(3) Mr. Kirk resigned from the Board in April 2016.

Below is a description of each committee of the Board of Directors. The Board of Directors has determined that each member of each committee meets the applicable NYSE MKT rules and regulations regarding “independence” and each member is free of any relationship that would impair his or her individual exercise of independent judgment with regard to the Company.

### Audit Committee

The Audit Committee of the Board of Directors was established by the Board in accordance with Section 3(a)(58)(A) of the Securities Exchange Act of 1934, as amended, or the Exchange Act, to oversee the Company’s corporate accounting and financial reporting processes and audits of its financial statements. The functions of this Audit Committee include, among other things:

- evaluating the performance, independence and qualifications of our independent auditors and determining whether to retain our existing independent auditors or engage new independent auditors and to present the committee’s conclusion to our Board of Directors;
- reviewing and approving the engagement of our independent auditors to perform audit services and any permissible non-audit services;
- monitoring the rotation of partners of our independent auditors on our audit engagement team as required by law;
- prior to engagement of any independent auditor, and at least annually thereafter, reviewing relationships that may reasonably be thought to bear on their independence, and assessing and otherwise taking the appropriate action to oversee the independence of our independent auditor;
- reviewing our annual and quarterly financial statements and reports, including the disclosures contained under the caption “Management’s Discussion and Analysis of Financial Condition and Results of Operations,” and discussing the statements and reports with our independent auditors and management;
- reviewing with our independent auditors and management significant issues that arise regarding accounting principles and financial statement presentation and matters concerning the scope, adequacy and effectiveness of our internal control over financial reporting;

- reviewing with management and our auditors any earnings announcements and other public announcements regarding material developments;
- establishing procedures for the receipt, retention and treatment of complaints received by us regarding internal accounting controls, accounting or auditing matters and other matters;
- preparing the report that the SEC requires in our annual proxy statement;
- reviewing and providing oversight of any related-person transactions in accordance with our related-person transactions policy and reviewing and monitoring compliance with legal and regulatory responsibilities, including our code of business conduct and ethics;
- reviewing on a periodic basis our investment policy; and
- reviewing and evaluating on an annual basis its own performance, including its compliance with its charter.

Our Audit Committee consists of Louis Drapeau, Michael S. Perry and Vijay Samant. The Board of Directors reviews the NYSE MKT listing standards definition of independence for Audit Committee members on an annual basis and has determined that each of the members of our Audit Committee satisfies the NYSE MKT listing requirements and SEC independence requirements. Mr. Drapeau serves as the chair of our Audit Committee.

Our Board of Directors has determined that Mr. Drapeau qualifies as an Audit Committee financial expert within the meaning of SEC regulations. In making this determination, our Board of Directors has considered Mr. Drapeau's formal education and previous and current experience in financial roles. Both our independent registered public accounting firm and management periodically meet privately with our Audit Committee.

The Audit Committee charter can be found on our website at [www.ampliphbio.com/corporate-governance.htm](http://www.ampliphbio.com/corporate-governance.htm).

#### **Report of the Audit Committee of the Board of Directors**

*The material in this report is not "soliciting material," is not deemed "filed" with the SEC and is not to be incorporated by reference in any filing of the Company under the Securities Act of 1933, as amended, or the Exchange Act, whether made before or after the date hereof and irrespective of any general incorporation language in any such filing.*

The Audit Committee has reviewed and discussed the audited financial statements for the fiscal year ended December 31, 2016 with management of the Company. The Audit Committee has discussed with the independent registered public accounting firm the matters required to be discussed by Auditing Standard No. 1301, *Communications with Audit Committees*, as adopted by the Public Company Accounting Oversight Board ("PCAOB"). The Audit Committee has also received the written disclosures and the letter from the independent registered public accounting firm required by applicable requirements of the PCAOB regarding the independent accountants' communications with the Audit Committee concerning independence, and has discussed with the independent registered public accounting firm the accounting firm's independence. Based on the foregoing, the Audit Committee has recommended to the Board of Directors that the audited financial statements be included in the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2016.

Mr. Louis Drapeau  
 Dr. Michael S. Perry  
 Mr. Vijay Samant

## **Compensation Committee**

Our Compensation Committee consists of Jeremy Curnock Cook, Louis Drapeau and Michael S. Perry. Dr. Perry serves as the chair of our Compensation Committee. Our Board of Directors has determined that each of the members of our Compensation Committee is a non-employee director, as defined in Rule 16b-3 promulgated under the Exchange Act, as defined pursuant to Section 162(m) of the Code, and satisfies the NYSE MKT listing independence requirements. The functions of this committee include, among other things:

- reviewing, modifying and approving (or if it deems appropriate, making recommendations to the full Board of Directors regarding) our overall compensation strategy and policies;
- reviewing and approving (or if it deems appropriate, making recommendations to the full Board of Directors regarding) the compensation and other terms of employment of our executive officers;
- reviewing and approving (or if it deems appropriate, making recommendations to the full Board of Directors regarding) performance goals and objectives relevant to the compensation of our executive officers and assessing their performance against these goals and objectives;
- reviewing and approving (or if it deems it appropriate, making recommendations to the full Board of Directors regarding) the equity incentive plans, compensation plans and similar programs advisable for us, as well as modifying, amending or terminating existing plans and programs;
- evaluating risks associated with our compensation policies and practices and assessing whether risks arising from our compensation policies and practices for our employees are reasonably likely to have a material adverse effect on us;
- reviewing making recommendations to the full Board of Directors regarding the type and amount of compensation to be paid or awarded to our non-employee board members;
- establishing policies with respect to votes by our shareholders to approve executive compensation as required by Section 14A of the Exchange Act and determining our recommendations regarding the frequency of advisory votes on executive compensation, to the extent required by law;
- reviewing and assessing the independence of compensation consultants, legal counsel and other advisors as required by Section 10C of the Exchange Act;
- administering our equity incentive plans;
- establishing policies with respect to equity compensation arrangements;
- reviewing the competitiveness of our executive compensation programs and evaluating the effectiveness of our compensation policy and strategy in achieving expected benefits to us;
- reviewing and approving (or if it deems appropriate, making recommendations to the full Board of Directors regarding) the terms of any employment agreements, severance arrangements, change-of-control protections and any other compensatory arrangements for our executive officers;
- reviewing the adequacy of its charter on a periodic basis;
- reviewing with management and approving our disclosures, if any, under the caption “Compensation Discussion and Analysis” and related tables in our periodic reports or proxy statements to be filed with the SEC;
- preparing the report that the SEC requires in our annual proxy statement; and
- reviewing and assessing on an annual basis its own performance.

### ***Compensation Committee Processes and Procedures***

Typically, the Compensation Committee meets quarterly and with greater frequency if necessary. The agenda for each meeting is usually developed by the Chair of the Compensation Committee, in consultation with the Chief Executive Officer. The Compensation Committee meets regularly in executive session. However, from time to time, various members of management and other employees as well as outside advisors or consultants may be invited by the Compensation Committee to make presentations, to provide financial or other

background information or advice or to otherwise participate in Compensation Committee meetings. The Chief Executive Officer may not participate in, or be present during, any deliberations or determinations of the Compensation Committee regarding his compensation or individual performance objectives. The charter of the Compensation Committee grants the Compensation Committee full access to all books, records, facilities and personnel of the Company. In addition, under the charter, the Compensation Committee has the authority to obtain, at the expense of the Company, advice and assistance from compensation consultants and internal and external legal, accounting or other advisors and other external resources that the Compensation Committee considers necessary or appropriate in the performance of its duties. The Compensation Committee has direct responsibility for the oversight of the work of any consultants or advisers engaged for the purpose of advising the Committee. In particular, the Compensation Committee has the sole authority to retain, in its sole discretion, compensation consultants to assist in its evaluation of executive and director compensation, including the authority to approve the consultant's reasonable fees and other retention terms. Under the charter, the Compensation Committee may select, or receive advice from, a compensation consultant, legal counsel or other adviser to the compensation committee, other than in-house legal counsel and certain other types of advisers, only after taking into consideration six factors, prescribed by the SEC and NYSE MKT, that bear upon the adviser's independence; however, there is no requirement that any adviser be independent.

Historically, the Compensation Committee has made most of the significant adjustments to annual compensation, determined bonus and equity awards and established new performance objectives at one or more meetings held during the first quarter of the year. However, the Compensation Committee also considers matters related to individual compensation, such as compensation for new executive hires, as well as high-level strategic issues, such as the efficacy of the Company's compensation strategy, potential modifications to that strategy and new trends, plans or approaches to compensation, at various meetings throughout the year. Generally, the Compensation Committee's process comprises two related elements: the determination of compensation levels and the establishment of performance objectives for the current year. For executives other than the Chief Executive Officer, the Compensation Committee solicits and considers evaluations and recommendations submitted to the Committee by the Chief Executive Officer. In the case of the Chief Executive Officer, the evaluation of his performance is conducted by the Compensation Committee, which determines any adjustments to his compensation as well as awards to be granted. For all executives and directors as part of its deliberations, the Compensation Committee may review and consider, as appropriate, materials such as financial reports and projections, operational data, tax and accounting information, tally sheets that set forth the total compensation that may become payable to executives in various hypothetical scenarios, executive and director stock ownership information, company stock performance data, analyses of historical executive compensation levels and current Company-wide compensation levels and recommendations of the Compensation Committee's compensation consultant, if any, including analyses of executive and director compensation paid at other companies identified by the consultant.

The Compensation Committee charter can be found on our website at [www.ampliphbio.com/corporate-governance.htm](http://www.ampliphbio.com/corporate-governance.htm).

### **Nominating and Corporate Governance Committee**

The Nominating and Corporate Governance Committee of the Board of Directors is responsible for, among other things:

- identifying, reviewing and evaluating candidates to serve on our Board of Directors consistent with criteria approved by our Board of Directors;
- evaluating director performance on management and the board and applicable committees of the board and determining whether continued service on our Board of Directors is appropriate;
- evaluating, nominating and recommending individuals for membership on our Board of Directors;
- evaluating nominations by shareholders of candidates for election to our Board of Directors;
- considering and assessing the independence of members of our Board of Directors;

- developing a set of corporate governance policies and principles, periodically reviewing and assessing these policies and principles and their application and recommending to our Board of Directors any changes to such policies and principles;
- reviewing the adequacy of its charter on an annual basis; and
- annually evaluating the performance of the Nominating and Corporate Governance Committee.

Our Nominating and Corporate Governance Committee consists of Jeremy Curnock Cook, Louis Drapeau and Michael S. Perry. Our Board of Directors has determined that each of the members of this committee satisfies the NYSE MKT listing independence requirements. Mr. Curnock Cook serves as the chair of our Nominating and Corporate Governance Committee. The Nominating and Corporate Governance Committee believes that candidates for director should, both individually and collectively, have the integrity, experience, judgment, commitment (including having sufficient time to devote to us and a sufficient level of participation), skills, diversity and expertise appropriate for our company. In assessing the directors, both individually and collectively, the Nominating and Corporate Governance Committee may consider our current needs and the needs of our Board of Directors, to maintain a balance of knowledge, experience and capability in various areas. However, the Nominating and Corporate Governance Committee retains the right to modify these qualifications from time to time. In the case of new director candidates, the Nominating and Corporate Governance Committee also determines whether the nominee is independent for NYSE MKT purposes, which determination is based upon applicable NYSE MKT listing standards, applicable SEC rules and regulations and the advice of counsel, if necessary. The Nominating and Corporate Governance Committee then uses its network of contacts to compile a list of potential candidates, but may also engage, if it deems appropriate, a professional search firm. The Nominating and Corporate Governance Committee conducts any appropriate and necessary inquiries into the backgrounds and qualifications of possible candidates after considering the function and needs of the Board of Directors. The Nominating and Corporate Governance Committee meets to discuss and consider the candidates' qualifications and then selects a nominee for recommendation to the Board of Directors by majority vote.

The Nominating and Corporate Governance Committee will consider director candidates recommended by shareholders. The Nominating and Corporate Governance Committee does not intend to alter the manner in which it evaluates candidates, including the criteria set forth above, based on whether or not the candidate was recommended by a shareholder. Shareholders who wish to recommend individuals for consideration by the Nominating and Corporate Governance Committee to become nominees for election to the Board may do so by delivering a written recommendation to the Secretary of the Company at 3579 Valley Centre Drive, San Diego, California 92130, no later than the close of business on the 90<sup>th</sup> day and no earlier than the 120<sup>th</sup> day prior to the one year anniversary of the preceding year's annual meeting of shareholders. Submissions must include the full name of the proposed nominee, a description of the proposed nominee's business experience for at least the previous five years, complete biographical information, a description of the proposed nominee's qualifications as a director and the number of shares of the Company's stock that are owned beneficially by such nominating shareholder as of the date the submission is made. Any such submission must be accompanied by the written consent of the proposed nominee to be named as a nominee and to serve as a director if elected.

The Nominating and Corporate Governance Committee charter can be found on our website at [www.ampliphio.com/corporate-governance.html](http://www.ampliphio.com/corporate-governance.html).

#### **SHAREHOLDER COMMUNICATIONS WITH THE BOARD OF DIRECTORS**

The Company's Board has adopted a formal process by which shareholders may communicate with the Board or any of its directors. Shareholders who wish to communicate with the Board may do so by sending written communications addressed to the Secretary of the Company at AmpliPhi Biosciences Corporation, 3579 Valley Centre Drive, Suite 100, San Diego, California 92130. All communications will be compiled by the Secretary of the Company and submitted to the Board of Directors or the individual directors on a periodic basis. These communications will be reviewed by the Company's Secretary, who will determine whether the communication should be presented to the Board. The purpose of this screening is to allow the Board to avoid having to consider irrelevant or inappropriate communications (such as advertisements, solicitations and hostile communications). All communications directed to the Audit Committee in accordance

with the Company's Open Door Policy for Reporting Complaints Regarding Accounting and Auditing Matters, discussed below, will be treated in accordance with that policy.

Any interested person may, however, communicate directly with the presiding director or the independent directors as a group. Persons interested in communicating directly with the independent directors regarding their concerns or issues may do so by addressing correspondence to a particular director, or to the independent directors generally, in care of AmpliPhi Biosciences Corporation at 3579 Valley Centre Drive, Suite 100, San Diego, California 92130. If no particular director is named, letters will be forwarded, depending upon the subject matter, to the Chair of the Audit, Compensation, or Nominating and Corporate Governance Committee.

#### **CODE OF ETHICS**

We have adopted a code of ethics for directors, officers (including our principal executive officer, principal financial officer and principal accounting officer) and employees, known as the Code of Business Conduct and Ethics. The Code of Business Conduct and Ethics is available on our website at <http://www.ampliphio.com> under the Corporate Governance section of our Investor Relations page. We will promptly disclose on our website (i) the nature of any amendment to the policy that applies to our principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions and (ii) the nature of any waiver, including an implicit waiver, from a provision of the policy that is granted to one of these specified individuals that is required to be disclosed pursuant to SEC rules and regulations, the name of such person who is granted the waiver and the date of the waiver.

#### **OPEN DOOR POLICY FOR REPORTING COMPLAINTS REGARDING ACCOUNTING AND AUDITING MATTERS**

We have adopted an Open Door Policy for Reporting Complaints Regarding Accounting and Auditing Matters to facilitate the receipt, retention and treatment of complaints regarding accounting, internal accounting controls or auditing matters, as well as the confidential, anonymous submission by our employees of concerns regarding these matters. The Open Door Policy is available on our website at <http://www.ampliphio.com/corporate-governance.html>.

## PROPOSAL 2

### APPROVAL OF THE PROPOSED ISSUANCE BY THE COMPANY OF 523,210 SHARES OF COMMON STOCK TO CERTAIN FORMER HOLDERS OF THE COMPANY'S SERIES B CONVERTIBLE PREFERRED STOCK, PURSUANT TO THE TERMS OF THAT CERTAIN FIRST AMENDMENT TO COMMON STOCK ISSUANCE AGREEMENT, DATED JUNE 27, 2017, BY AND AMONG THE COMPANY AND SUCH HOLDERS

#### Background

On April 8, 2016, the Company entered into a Common Stock Issuance Agreement (the "CSIA") with certain former holders of the Company's Series B convertible preferred stock (the "Holders"). Pursuant to Section 3 of the CSIA, the Company agreed to issue a formula-based number of shares of its common stock to the Holders for no additional consideration upon completion of one or more bona fide equity financings in which the Company sells shares of its common stock below a specified price (a "Dilutive Issuance") in a transaction that occurs prior to the earlier of June 30, 2018 or such time as the Company has raised, following the date of the CSIA, \$10.0 million in the aggregate (the "Price Protection Obligations"). In each of June 2016, November 2016 and May 2017, the Company completed offerings of its common stock that constituted Dilutive Issuances under the CSIA. Due in part to limitations on the number of shares issuable to the Holders under the rules of the NYSE MKT, no additional shares of common stock were issued to the Holders in connection with the November 2016 or May 2017 offerings.

On June 27, 2017, the Company and the Holders entered into an amendment to the CSIA (the "Amendment") to, among other things, terminate the Price Protection Obligations. In consideration for the termination of the Price Protection Obligations and a release of claims by the Holders, the Company agreed to (i) issue to the Holders, within five business days of the Amendment, an aggregate of 28,684 shares of its common stock (the "First Issuance"), which, under the rules of the NYSE MKT, is the maximum number of shares the Company was permitted to issue to the Holders pursuant to the CSIA without further shareholder approval, and (ii) issue to the Holders in a subsequent closing an aggregate of 523,210 shares of common stock (the "Second Issuance"), subject to obtaining shareholder approval of the Second Issuance at the Company's 2017 Annual Meeting of Shareholders and the Company's receipt of a release of claims from the Holders at the time of the Second Issuance. The First Issuance was completed on June 29, 2017. The Company agreed to use its commercially reasonable efforts to obtain shareholder approval of the Second Issuance at the annual meeting, and accordingly the Board is seeking your approval of this Proposal 2. If this Proposal 2 is not approved at the annual meeting, the Company will not be obligated to issue the shares contemplated by the Second Issuance.

#### Section 713(a) of the NYSE MKT Company Guide

Pursuant to Section 713(a) of the NYSE MKT Company Guide, shareholder approval is generally required prior to the issuance of securities in connection with a transaction other than a public offering involving the sale, issuance, or potential issuance by the issuer of common stock (or securities convertible into common stock) equal to 20% or more of presently outstanding stock for less than the greater of book or market value of the stock. The Company's prior issuances of common stock to the Holders pursuant to the CSIA, including the Price Protection Obligations, are aggregated for purposes of determining the number of shares issuable pursuant to the 20% cap referred to above. The Company sought and received shareholder approval at the Company's 2016 Annual Meeting of Shareholders for the issuance of a number of shares in excess of the NYSE MKT 20% cap. However, following the First Issuance in accordance with the terms of the Amendment, no further shares of common stock may be issued to the Holders pursuant to the terms of the CSIA or the Amendment without shareholder approval of such issuance.

#### Certain Consequences if the Proposal is Approved

The Company's shareholders will incur dilution of their percentage ownership interest in the Company to the extent the Company issues the 523,210 shares of common stock contemplated by the Second Issuance to the Holders. Further, because such shares will be issued without cash payment from the Holders to the Company, the issuance would reduce the net tangible book value per share of the Company.

The issuance of the shares subject to the Second Issuance will result in an exercise price adjustment under the common stock warrants issued by the Company in November 2016 in its public offering

(the “November 2016 Warrants”). As of the date of this proxy statement, on a cash-exercise basis the November 2016 Warrants are currently exercisable for, in the aggregate, 533,497 shares of common stock at an exercise price of \$0.9954 per share. Based on the relevant exercise price adjustment provision under the November 2016 Warrants, and assuming no other events that would affect the exercise price of the November 2016 Warrants, if this Proposal 2 is approved and the Second Issuance is completed, the exercise price of the November 2016 Warrants will be reduced to \$0.57 per share following the Second Issuance.

#### **Interest of Certain Persons in the Proposal**

One Fund Management Limited as Trustee for Asia Pacific Healthcare Fund II (“One Funds”), an entity affiliated with Jeremy Curnock Cook, the Chairman of the Company’s Board of Directors, is a party to the CSIA and the Amendment as a Holder. The CSIA and the Amendment were approved by the Company’s Audit Committee and no special terms were given to Mr. Cook or One Funds. Pursuant to the First Issuance, on June 29, 2017 the Company issued 5,757 shares of common stock to One Funds. If Proposal 2 is approved, the Company has agreed to issue One Funds an additional 105,015 shares of common stock subject to our receipt of a release of claims from One Funds at the time of issuance.

#### **Vote Required**

In order for Proposal 2 to be approved, the number of shares that vote “For” the proposal must exceed the number of shares that vote “Against” the proposal. Abstentions will be counted towards the vote total for Proposal 2 and will have the same effect as “Against” votes. Broker non-votes are counted towards a quorum, but are not counted for any purpose in determining whether Proposal 2 has been approved.

**THE BOARD OF DIRECTORS RECOMMENDS  
A VOTE “FOR” PROPOSAL 2.**

### PROPOSAL 3

#### APPROVAL OF AN AMENDMENT TO THE AMPLI PHI BIOSCIENCES CORPORATION 2016 EQUITY INCENTIVE PLAN

In April 2016, our Board of Directors originally approved our AmpliPhi Biosciences Corporation 2016 Equity Incentive Plan, or the 2016 Plan, and the shareholders originally approved the 2016 Plan on June 20, 2016. In this Proposal 3, we are requesting shareholders to approve an amendment (the “Plan Amendment”) to the 2016 Plan in order to:

- increase the number of shares of common stock authorized for issuance under the 2016 Plan by 800,000 shares, including a corresponding increase in the number of shares of common stock authorized for issuance under the 2016 Plan pursuant to the grant of incentive stock options by 2,000,000 shares,
- enable us to approve the grant of an option under 2016 Plan for 475,189 shares to our recently appointed Chief Executive Officer, Dr. Grint, pursuant to the terms of his employment offer letter dated June 1, 2017, as without the Plan Amendment, an insufficient number of shares are available under the 2016 Plan for such grant, and
- for purposes of Section 162(m) of the Internal Revenue Code:
  - increase to 1,000,000 shares of common stock the maximum number of shares that may be granted per calendar year to any one participant pursuant to stock options, stock appreciation rights and other stock awards whose value is determined by reference to an increase over an exercise price or strike price of at least 100% of the fair market value of the underlying common stock on the date of grant, and
  - increase to 1,000,000 shares of common stock the maximum number of shares that may be granted per calendar year to any one participant as a “performance stock award”.

Our Board of Directors believes the Plan Amendment is an integral part of our long-term compensation philosophy and is necessary to continue providing the appropriate levels and types of equity compensation for our employees.

#### **We Intend to Recruit Additional Personnel and Need to Retain Existing Personnel to Facilitate the Growth of Our Business and Equity Awards Are an Important Part of Our Compensation Philosophy**

As of June 30, 2017, only 36,069 shares remained available for future grant under the 2016 Plan. The Board of Directors believes that the future success of the Company depends, in large part, upon the ability of the Company to implement our plans for future expansion and growth in light of our anticipated recruiting and retention needs and is necessary to maintain a competitive position in recruiting, retaining and motivating key personnel, consultants and advisors. The Board of Directors believes that the issuance of equity awards is a key element underlying our ability to recruit, retain and motivate key personnel, consultants and advisors, better aligns the interests of such persons with those of our shareholders, and is a substantial contributing factor to our success and the future growth of our business. However, we believe that the shares currently available for grant under the 2016 Plan will be insufficient to meet our anticipated recruiting and retention needs. Therefore, the Board of Directors believes that the approval of the Plan Amendment is in the best interests of the Company and its shareholders and recommends a vote in favor of this proposal.

If this Proposal 3 is adopted by our shareholders, the Plan Amendment will become effective upon the date of the annual meeting. In the event that our shareholders do not approve this Proposal 3, the Plan Amendment will not become effective, the 2016 Plan will continue in its current form, and the option grant to Dr. Grint contemplated by his employment offer letter for 475,189 shares will not be made until such time as there are sufficient shares available for the grant pursuant to the scheduled automatic “evergreen increase” in the 2016 Plan authorized share reserve on January 1, 2018 (see “Description of 2016 Plan, as proposed to be amended — Share reserve” below) or otherwise. However, we believe that the shares currently available for grant under the 2016 Plan will be insufficient to meet our anticipated recruiting and retention needs.

As of June 30, 2017, stock awards (which consist solely of stock options) covering an aggregate of 285,276 shares of common stock were outstanding under the 2016 Plan and the 2009 Targeted Genetics Stock

Incentive Plan (the “2009 Plan”), the AmpliPhi Biosciences Corporation 2012 Stock Incentive Plan (the “2012 Plan”), the AmpliPhi Biosciences Corporation 2013 Stock Incentive Plan (the “2013 Plan” and collectively with the 2009 Plan and the 2012 Plan, the “Prior Plans”).

**The Size of Our Share Reserve Increase Request Is Reasonable**

If our request to increase the share reserve of the 2016 Plan by 800,000 shares is approved, we will have approximately 836,069 shares available for grant after the annual meeting which, together with the annual “evergreen” increases described below, the Board believes will provide sufficient equity for attracting, retaining and motivating employees for at least the next two years. The Board believes the size of the request is also reasonable in light of the equity granted to our employees and directors over the last three years.

**We Manage Our Equity Award Use Carefully and Our Dilution Is Reasonable**

We manage our long-term shareholder dilution by limiting the number of equity awards granted annually. The Compensation Committee monitors our annual burn rate, dilution, and equity expense to ensure that we maximize shareholders’ value by granting only the appropriate number of equity awards necessary to recruit, reward, and retain key personnel, consultants and advisors.

The following table provides certain additional information regarding our equity incentive program.

	<u>As of June 30, 2017</u>
Total shares subject to outstanding stock options . . . . .	285,276
Weighted-average exercise price per share of outstanding stock options . . . . .	\$ 9.83
Weighted-average remaining term of outstanding stock options. . . . .	7.20 yrs
Total shares available for grant under the 2016 Plan . . . . .	36,069
Total shares available for grant under other equity plans . . . . .	21,016 <sup>(1)</sup>

(1) Represents shares issuable pursuant to the Company’s 2016 Employee Stock Purchase Plan

	<u>As of July 12, 2017 (Record Date)</u>
Total common stock outstanding . . . . .	8,749,052
Closing price of common stock as reported on The NYSE MKT . . . . .	\$ 1.00

Common measures of an equity incentive plan’s cost include burn rate, dilution and overhang. The burn rate, or run rate, refers to how fast a company uses the supply of shares authorized for issuance under its equity incentive plan. Over the last three years, the Company has maintained an average equity run rate of 3.8% of shares of common stock outstanding per year, including shares of preferred stock on an as-converted basis. Our run rates in 2015 was unusually high due primarily to an equity grant to our then-Chief Executive Officer in 2015 in connection with his commencement of employment as our Chief Executive Officer which the Compensation Committee believed was consistent with the level of options granted to chief executive officers in our industry. Dilution measures the degree to which our stockholders’ ownership has been diluted by stock-based compensation awarded under our equity incentive plans and also includes shares that may be awarded under our equity incentive plans in the future (“overhang”).

The following table shows how our key equity metrics have changed over the past three years:

<u>Key Equity Metrics</u>	<u>2014</u>	<u>2015<sup>(4)</sup></u>	<u>2016</u>
Equity Run Rate <sup>(1)</sup> . . . . .	0.3%	8.5%	2.6%
Overhang <sup>(2)</sup> . . . . .	21.6%	18.9%	14.5%
Dilution <sup>(3)</sup> . . . . .	7.7%	9.1%	4.5%

(1) Equity run rate is calculated by dividing the number of shares subject to equity awards granted during the year by the weighted-average number of shares outstanding during the year.

- (2) Overhang is calculated by dividing (a) the sum of (x) the number of shares subject to equity awards outstanding at the end of the year and (y) the number of shares available for future grants, by (b) the number of shares outstanding at the end of the year.
- (3) Dilution is calculated by dividing the number of shares subject to equity awards outstanding at the end of the fiscal year by the number of shares outstanding at the end of the fiscal year.

In evaluating whether to approve the Plan Amendment our Board of Directors and Compensation Committee reviewed our historical issuances under our 2016 Plan and our 2013 Plan and considered our future needs for equity awards under the 2016 Plan, based on our plans for future expansion and growth in light of our anticipated recruiting and retention needs and potential changes in company capitalization and dilution. We intend to grant future equity awards under the 2016 Plan in amounts that are reasonable and based on market data prepared by the independent compensation consultant to the Compensation Committee. If this Proposal 3 is approved by our shareholders, we expect the adjusted share reserve to last for approximately two years of awards. While we believe this is a reasonable estimate of how long the share reserve could last, because there are a number of uncertain factors that could impact our future share usage, we are not able to presently forecast the share amounts and rate at which we will utilize equity as a tool for attracting and retaining talent.

### **Vote Required**

In order for Proposal 3 to be approved, the number of shares that vote “For” the proposal must exceed the number of shares that vote “Against” the proposal. Abstentions will be counted towards the vote total for Proposal 3 and will have the same effect as “Against” votes. Broker non-votes are counted towards a quorum, but are not counted for any purpose in determining whether this matter has been approved.

### **THE BOARD OF DIRECTORS RECOMMENDS A VOTE “FOR” PROPOSAL 3.**

### **Description of 2016 Plan, as proposed to be amended**

The material features of the 2016 Plan, as proposed to be amended pursuant to Proposal 3, are outlined below. This summary is qualified in its entirety by reference to the complete text of the 2016 Plan. Shareholders are encouraged to read the actual text of the 2016 Plan, as amended, which is appended to this proxy statement as Appendix A and may be accessed from the SEC’s website at [www.sec.gov](http://www.sec.gov). Except as modified by the Plan Amendment as described above, the terms of the 2016 Plan as proposed to be amended are materially the same as the terms of the 2016 Plan prior to implementation of the Plan Amendment.

*Purpose.* The 2016 Plan is critical to our ongoing effort to build shareholder value through recruiting, retaining and motivating employees, directors and consultants. We are seeking to approval of the 2016 Plan to provide for the shares necessary so that we can ensure that we have the most qualified, motivated employees possible to help us move the Company’s programs forward and implement our recruiting plans to facilitate the future growth of our business.

*Awards.* The 2016 Plan provides for the grant of incentive stock options, or ISOs, nonstatutory stock options, or NSOs, stock appreciation rights, restricted stock awards, restricted stock unit awards, performance-based stock awards, and other forms of equity compensation, or collectively, stock awards, all of which may be granted to employees, including officers, non-employee directors and consultants of us and our affiliates. Additionally, the 2016 Plan provides for the grant of performance cash awards.

*Eligibility.* As of July 12, 2017, all of our approximately 32 employees and five non-employee directors were eligible to participate in the 2016 Plan and may receive all types of awards other than ISOs. ISOs may be granted only to our employees (including officers) and employees of our affiliates.

*Share Reserve.* If Proposal 3 is approved, the total number of shares of our common stock reserved for issuance under the 2016 Plan will not exceed 1,119,740 shares, consisting of:

- 237,300 shares, which is the total maximum reserve that was approved in connection with the initial adoption of the 2016 Plan, including, but not limited to, the Prior Plans’ Returning Shares; plus

- 82,440 shares added to the 2016 Plan pursuant to the January 1, 2017 evergreen increase, plus
- the 800,000 shares to be added pursuant this Proposal 3.

The “Prior Plans’ Returning Shares” are the number of shares that are subject to stock awards outstanding under the Prior Plans that subsequently terminate prior to exercise or would otherwise be returned to the share reserves of our Prior Plans.

Additionally, the number of shares of our common stock reserved for issuance under the 2016 Plan automatically increases on January 1 of each year, beginning on January 1, 2017 and continuing through and including January 1, 2026, by 5% of the total number of shares of our capital stock outstanding on December 31 of the preceding calendar year, or a lesser number of shares determined by our Board of Directors. The maximum number of shares that may be issued upon the exercise of ISOs under our 2016 Plan is 2,474,600 shares.

If a stock award granted under the 2016 Plan expires or otherwise terminates without being exercised in full, or is settled in cash, the shares of our common stock not acquired pursuant to the stock award again will become available for subsequent issuance under the 2016 Plan. In addition, the following types of shares under the 2016 Plan may become available for the grant of new stock awards under the 2016 Plan: (1) shares that are forfeited to or repurchased by us prior to becoming fully vested; (2) shares withheld to satisfy income or employment withholding taxes; or (3) shares used to pay the exercise or purchase price of a stock award. Shares issued under the 2016 Plan may be previously unissued shares or reacquired shares bought by us on the open market.

*Section 162(m) Limits.* No person may be granted stock awards for purposes of Section 162(m) of the Code covering more than 1,000,000 shares of our common stock under our 2016 Plan during any calendar year pursuant to stock options, stock appreciation rights and other stock awards whose value is determined by reference to an increase over an exercise or strike price of at least 100% of the fair market value on the date the stock award is granted. Additionally, no person may be granted in a calendar year a performance stock award for purposes of Section 162(m) of the Code covering more than 1,000,000 shares or a performance cash award for purposes of Section 162(m) of the Code having a maximum value in excess of \$2,000,000. Such limitations are designed to help assure that any deductions to which we would otherwise be entitled with respect to such awards will not be subject to the \$1,000,000 limitation on the income tax deductibility of compensation paid to any covered executive officer imposed by Section 162(m) of the Code.

*Non-Employee Director Compensation Limit.* The aggregate value of all compensation paid or granted, as applicable, to any individual for service as a non-employee director of our Board of Directors with respect to any calendar year commencing with the 2016 calendar year, including awards granted under the 2016 Plan and cash fees paid by us to such non-employee director, will not exceed (i) \$375,000 in total value or (ii) in the event such non-employee director is first appointed or elected to our Board of Directors during such calendar year, \$783,000 in total value, in each case calculating the value of any awards granted under the 2016 Plan based on the grant date fair value of such awards for financial reporting purposes. However, the Board of Directors may make exceptions to the applicable limit for individual non-employee directors in extraordinary circumstances (for example, to compensate such individual for interim service in the capacity of an officer of the Company), as the Board of Directors may determine in its discretion, provided that the non-employee director receiving such additional compensation may not participate in the decision to award such compensation.

*Administration.* Our Board of Directors, or a duly authorized committee thereof, has the authority to administer the 2016 Plan. Our Board of Directors has delegated authority to administer the 2016 Plan to our Compensation Committee. Subject to the terms of the 2016 Plan, the Compensation Committee, referred to herein as the plan administrator, determines recipients, dates of grant, the numbers and types of stock awards to be granted and the terms and conditions of the stock awards, including the period of their exercisability and vesting schedule applicable to a stock award. Subject to the limitations set forth below, the plan administrator will also determine the exercise price, strike price or purchase price of awards granted and the types of consideration to be paid for the award.

The plan administrator has the authority to modify outstanding awards under our 2016 Plan. Subject to the terms of our 2016 Plan, the plan administrator has the authority to reduce the exercise, purchase or strike price of any outstanding stock award, cancel any outstanding stock award in exchange for new stock awards, cash or other consideration, or take any other action that is treated as a repricing under generally accepted accounting principles, with the consent of any adversely affected participant.

*Stock Options.* ISOs and NSOs are granted pursuant to stock option agreements adopted by the plan administrator. The plan administrator determines the exercise price for a stock option, within the terms and conditions of the 2016 Plan, provided that the exercise price of a stock option generally cannot be less than 100% of the fair market value of our common stock on the date of grant. Options granted under the 2016 Plan vest at the rate specified by the plan administrator.

The plan administrator determines the term of stock options granted under the 2016 Plan, up to a maximum of 10 years. Unless the terms of an option holder's stock option agreement provide otherwise, if an option holder's service relationship with us, or any of our affiliates, ceases for any reason other than disability, death or cause, the option holder may generally exercise any vested options for a period of three months following the cessation of service. The option term may be extended in the event that exercise of the option following such a termination of service is prohibited by applicable securities laws or our insider trading policy. If an optionholder's service relationship with us or any of our affiliates ceases due to disability or death, or an optionholder dies within a certain period following cessation of service, the optionholder or a beneficiary may generally exercise any vested options for a period of 12 months in the event of disability and 18 months in the event of death. In the event of a termination for cause, options generally terminate immediately upon the termination of the individual for cause. In no event may an option be exercised beyond the expiration of its term.

Acceptable consideration for the purchase of common stock issued upon the exercise of a stock option will be determined by the plan administrator and may include (1) cash, check, bank draft or money order, (2) a broker-assisted cashless exercise, (3) the tender of shares of our common stock previously owned by the optionholder, (4) a net exercise of the option if it is an NSO, and (5) other legal consideration approved by the plan administrator.

Unless the plan administrator provides otherwise, options generally are not transferable except by will, the laws of descent and distribution, or pursuant to a domestic relations order. An optionholder may designate a beneficiary, however, who may exercise the option following the optionholder's death.

*Tax Limitations on Incentive Stock Options.* The aggregate fair market value, determined at the time of grant, of our common stock with respect to ISOs that are exercisable for the first time by an optionholder during any calendar year under all of our stock plans may not exceed \$100,000. Options or portions thereof that exceed such limit will generally be treated as NSOs. No ISO may be granted to any person who, at the time of the grant, owns or is deemed to own stock possessing more than 10% of our total combined voting power or that of any of our affiliates unless (1) the option exercise price is at least 110% of the fair market value of the stock subject to the option on the date of grant, and (2) the term of the ISO does not exceed five years from the date of grant.

*Restricted Stock Awards.* Restricted stock awards are granted pursuant to restricted stock award agreements adopted by the plan administrator. Restricted stock awards may be granted in consideration for (1) cash, check, bank draft or money order, (2) services rendered to us or our affiliates, or (3) any other form of legal consideration. Common stock acquired under a restricted stock award may, but need not, be subject to a share repurchase option in our favor in accordance with a vesting schedule to be determined by the plan administrator. Rights to acquire shares under a restricted stock award may be transferred only upon such terms and conditions as set by the plan administrator. Except as otherwise provided in the applicable award agreement, restricted stock unit awards that have not vested will be forfeited upon the participant's cessation of continuous service for any reason.

*Restricted Stock Unit Awards.* Restricted stock unit awards are granted pursuant to restricted stock unit award agreements adopted by the plan administrator. Restricted stock unit awards may be granted in consideration for any form of legal consideration. A restricted stock unit award may be settled by cash, delivery of stock, a combination of cash and stock as deemed appropriate by the plan administrator, or in any other form of consideration set forth in the restricted stock unit award agreement. Additionally, dividend equivalents may be credited in respect of shares covered by a restricted stock unit award. Except as otherwise provided in the applicable award agreement, restricted stock units that have not vested will be forfeited upon the participant's cessation of continuous service for any reason.

*Stock Appreciation Rights.* Stock appreciation rights are granted pursuant to stock appreciation grant agreements adopted by the plan administrator. The plan administrator determines the strike price for a stock appreciation unit, which generally cannot be less than 100% of the fair market value of our common stock on the date of grant. Upon the exercise of a stock appreciation unit, we will pay the participant an amount equal to the product of (1) the excess of the per share fair market value of our common stock on the date of exercise over the strike price, multiplied by (2) the number of shares of common stock with respect to which the stock appreciation unit is exercised. A stock appreciation unit granted under the 2016 Plan vests at the rate specified in the stock appreciation grant agreement as determined by the plan administrator.

The plan administrator determines the term of stock appreciation rights granted under the 2016 Plan, up to a maximum of ten years. Unless the terms of a participant's stock appreciation right agreement provides otherwise, if a participant's service relationship with us or any of our affiliates ceases for any reason other than cause, disability or death, the participant may generally exercise any vested stock appreciation right for a period of three months following the cessation of service. The stock appreciation right term may be further extended in the event that exercise of the stock appreciation right following such a termination of service is prohibited by applicable securities laws. If a participant's service relationship with us, or any of our affiliates, ceases due to disability or death, or a participant dies within a certain period following cessation of service, the participant or a beneficiary may generally exercise any vested stock appreciation right for a period of 12 months in the event of disability and 18 months in the event of death. In the event of a termination for cause, stock appreciation rights generally terminate immediately upon the occurrence of the event giving rise to the termination of the individual for cause. In no event may a stock appreciation right be exercised beyond the expiration of its term.

*Performance Awards.* The 2016 Plan permits the grant of performance-based stock and cash awards that may qualify as performance-based compensation that is not subject to the \$1,000,000 limitation on the income tax deductibility of compensation paid to a covered executive officer imposed by Section 162(m) of the Code. To help assure that the compensation attributable to performance-based awards will so qualify, our Compensation Committee can structure such awards so that stock or cash will be issued or paid pursuant to such award only after the achievement of certain pre-established performance goals during a designated performance period.

A performance stock award is a stock award that is payable (including that may be granted, may vest, or may be exercised) contingent upon the achievement of pre-determined performance goals during a performance period. A performance stock award may require the completion of a specified period of continuous service. The length of any performance period, the performance goals to be achieved during the performance period, and the measure of whether and to what degree such performance goals have been attained will generally be determined by our Compensation Committee, except that the plan administrator also may make any such determinations to the extent that the award is not intended to comply with Section 162(m) of the Code. In addition, to the extent permitted by applicable law and the performance stock award agreement, the plan administrator may determine that cash may be used in payment of performance stock awards.

A performance cash award is a cash award that is payable contingent upon the achievement of pre-determined performance goals during a performance period. A performance cash award may require the completion of a specified period of continuous service. The length of any performance period, the performance goals to be achieved during the performance period, and the measure of whether and to what degree such performance goals have been attained will generally be determined by our Compensation Committee, except that the plan administrator also may make any such determinations to the extent that the award is not intended to comply with Section 162(m) of the Code. The plan administrator may specify the form of payment of performance

cash awards, which may be cash or other property, or may provide for a participant to have the option for his or her performance cash award, or such portion thereof as the plan administrator may specify, to be paid in whole or in part in cash or other property.

In granting a performance award intended to qualify as “performance-based compensation” under Section 162(m) of the Code, our Compensation Committee will set a period of time, or a performance period, over which the attainment of one or more goals, or performance goals, will be measured. Within the time period prescribed by Section 162(m) of the Code (no later than the earlier of the 90<sup>th</sup> day of a performance period and the date on which 25% of the performance period has elapsed, and in any event at a time when the achievement of the performance goals remains substantially uncertain), our Compensation Committee will establish the performance goals, based upon one or more criteria, or performance criteria, enumerated in the 2016 Plan and described below. As soon as administratively practicable following the end of the performance period, our Compensation Committee will certify in writing whether the performance goals have been satisfied.

Performance goals under the 2016 Plan will be based on any one or more of the following performance criteria: (1) earnings (including earnings per share and net earnings); (2) earnings before interest, taxes and depreciation; (3) earnings before interest, taxes, depreciation and amortization; (4) earnings before interest, taxes, depreciation, amortization and legal settlements; (5) earnings before interest, taxes, depreciation, amortization, legal settlements and other income (expense); (6) earnings before interest, taxes, depreciation, amortization, legal settlements, other income (expense) and stock-based compensation; (7) earnings before interest, taxes, depreciation, amortization, legal settlements, other income (expense), stock-based compensation and changes in deferred revenue; (8) earnings before interest, taxes, depreciation, amortization, legal settlements, other income (expense), stock-based compensation, other non-cash expenses and changes in deferred revenue; (9) total shareholder return; (10) return on equity or average shareholder’s equity; (11) return on assets, investment, or capital employed; (12) stock price; (13) margin (including gross margin); (14) income (before or after taxes); (15) operating income; (16) operating income after taxes; (17) pre-tax profit; (18) operating cash flow; (19) sales or revenue targets; (20) increases in revenue or product revenue; (21) expenses and cost reduction goals; (22) improvement in or attainment of working capital levels; (23) economic value added (or an equivalent metric); (24) market share; (25) cash flow; (26) cash flow per share; (27) cash balance; (28) cash burn; (29) cash collections; (30) share price performance; (31) debt reduction; (32) implementation or completion of projects or processes (including, without limitation, clinical trial initiation, clinical trial enrollment and dates, clinical trial results, regulatory filing submissions, regulatory filing acceptances, regulatory or advisory committee interactions, regulatory approvals, and product supply); (33) shareholders’ equity; (34) capital expenditures; (35) debt levels; (36) operating profit or net operating profit; (37) workforce diversity; (38) growth of net income or operating income; (39) billings; (40) bookings; (41) employee retention; (42) initiation of studies by specific dates; (43) budget management; (44) submission to, or approval by, a regulatory body (including, but not limited to the U.S. Food and Drug Administration) of an applicable filing or a product; (45) regulatory milestones; (46) progress of internal research or development programs; (47) acquisition of new customers; (48) customer retention and/or repeat order rate; (49) improvements in sample and test processing times; (50) progress of partnered programs; (51) partner satisfaction; (52) timely completion of clinical trials; (53) submission of 510(k)s or pre-market approvals and other regulatory achievements; (54) milestones related to research development (including, but not limited to, preclinical and clinical studies), product development and manufacturing; (55) expansion of sales in additional geographies or markets; (56) research progress, including the development of programs; (57) strategic partnerships or transactions (including in-licensing and out-licensing of intellectual property; and (58) and to the extent that an award is not intended to comply with Section 162(m) of the Code, other measures of performance selected by the plan administrator.

Performance goals may be based on a company-wide basis, with respect to one or more business units, divisions, affiliates or business segments, and in either absolute terms or relative to the performance of one or more comparable companies or the performance of one or more relevant indices. Under the 2016 Plan, unless specified otherwise by our Compensation Committee (or, if not required for compliance with Section 162(m) of the Code, the plan administrator) (i) in the award agreement at the time the award is granted or (ii) in such other document setting forth the performance goals at the time the performance goals are established, our

compensation committee (or, if not required for compliance with Section 162(m) of the Code, the plan administrator) will appropriately make adjustments in the method of calculating the attainment of performance goals for a performance period: (1) to exclude restructuring and/or other nonrecurring charges; (2) to exclude exchange rate effects; (3) to exclude the effects of changes to generally accepted accounting principles; (4) to exclude the effects of any statutory adjustments to corporate tax rates; (5) to exclude the effects of any items that are “unusual” in nature or occur “infrequently” as determined under generally accepted accounting principles; (6) to exclude the dilutive effects of acquisitions or joint ventures; (7) to assume that any business divested by the Company achieved performance objectives at targeted levels during the balance of a performance period following such divestiture; (8) to exclude the effect of any change in the outstanding shares of common stock of the Company by reason of any stock dividend or split, stock repurchase, reorganization, recapitalization, merger, consolidation, spin-off, combination or exchange of shares or other similar corporate change, or any distributions to common shareholders other than regular cash dividends; (9) to exclude the effects of stock based compensation and the award of bonuses under the Company’s bonus plans; (10) to exclude costs incurred in connection with potential acquisitions or divestitures that are required to be expensed under generally accepted accounting principles; (11) to exclude the goodwill and intangible asset impairment charges that are required to be recorded under generally accepted accounting principles; and (12) to exclude the effects of the timing of acceptance for review and/or approval of submissions to the U.S. Food and Drug Administration or any other regulatory body. In addition, our Compensation Committee (or, if not required for compliance with Section 162(m) of the Code, the plan administrator) retains the discretion to reduce or eliminate the compensation or economic benefit due upon the attainment of any performance goals and to define the manner of calculating the performance criteria it selects to use for a performance period.

*Other Stock Awards.* The plan administrator may grant other awards based in whole or in part by reference to our common stock. The plan administrator will set the number of shares under the stock award and all other terms and conditions of such awards.

*Changes to Capital Structure.* In the event that there is a specified type of change in our capital structure, such as a stock split or recapitalization, appropriate adjustments will be made to (a) the class and maximum number of shares reserved for issuance under the 2016 Plan, (b) the class and maximum number of shares by which the share reserve may increase automatically each year, (c) the class and maximum number of shares that may be issued upon the exercise of ISOs, (d) the class and maximum number of shares subject to stock awards that can be granted in a calendar year (as established under the 2016 Plan pursuant to Section 162(m) of the Code) and (e) the class and number of shares and exercise price, strike price, or purchase price, if applicable, of all outstanding stock awards.

*Corporate Transactions.* In the event of certain specified significant corporate transactions, the plan administrator has the discretion to take any of the following actions with respect to stock awards:

- arrange for the assumption, continuation or substitution of a stock award by a surviving or acquiring entity or parent company;
- arrange for the assignment of any reacquisition or repurchase rights held by us to the surviving or acquiring entity or parent company;
- accelerate the vesting of the stock award and provide for its termination prior to the effective time of the corporate transaction;
- arrange for the lapse of any reacquisition or repurchase right held by us;
- cancel or arrange for the cancellation of the stock award in exchange for such cash consideration, if any, as our plan administrator may deem appropriate; or
- make a payment equal to the excess of (a) the value of the property the participant would have received upon exercise of the stock award over (b) the exercise price otherwise payable in connection with the stock award.

Our plan administrator is not obligated to treat all stock awards, even those that are of the same type, in the same manner.

Under the 2016 Plan, a corporate transaction is generally the consummation of (i) a sale or other disposition of all or substantially all of our consolidated assets, (ii) a sale or other disposition of at least 50% of our outstanding securities, (iii) a merger, consolidation or similar transaction following which we are not the surviving corporation, or (iv) a merger, consolidation or similar transaction following which we are the surviving corporation but the shares of our common stock outstanding immediately prior to such transaction are converted or exchanged into other property by virtue of the transaction.

*Change of Control.* The plan administrator may provide, in an individual award agreement or in any other written agreement between a participant and us that the stock award will be subject to additional acceleration of vesting and exercisability in the event of a change of control. Under the 2016 Plan, a change of control is generally (i) the acquisition by a person or entity of more than 50% of our combined voting power other than by merger, consolidation or similar transaction; (ii) a consummated merger, consolidation or similar transaction immediately after which our shareholders cease to own more than 50% of the combined voting power of the surviving entity; (iii) a consummated sale, lease or exclusive license or other disposition of all or substantially of our consolidated assets; (iv) a complete dissolution or liquidation; or (v) when a majority of the Board of Directors becomes comprised of individuals whose nomination, appointment, or election was not approved by a majority of the Board of Directors members or their approved successors.

*Amendment and Termination.* Our Board of Directors has the authority to amend, suspend, or terminate our 2016 Plan, provided that such action does not materially impair the existing rights of any participant without such participant's written consent. No ISOs may be granted after the tenth anniversary of the date our Board of Directors adopted our 2016 Plan.

#### **U.S. Federal Income Tax Consequences**

The following is a summary of the principal United States federal income tax consequences to participants and us with respect to participation in the 2016 Plan. This summary is not intended to be exhaustive and does not discuss the income tax laws of any local, state or foreign jurisdiction in which a participant may reside. The information is based upon current federal income tax rules and therefore is subject to change when those rules change. Because the tax consequences to any participant may depend on his or her particular situation, each participant should consult the participant's tax adviser regarding the federal, state, local and other tax consequences of the grant or exercise of an award or the disposition of stock acquired the 2016 Plan. The 2016 Plan is not qualified under the provisions of Section 401(a) of the Code and is not subject to any of the provisions of the Employee Retirement Income Security Act of 1974. Our ability to realize the benefit of any tax deductions described below depends on our generation of taxable income as well as the requirement of reasonableness, the provisions of Section 162(m) of the Code and the satisfaction of our tax reporting obligations.

##### *Nonstatutory Stock Options*

Generally, there is no taxation upon the grant of an NSO if the stock option is granted with an exercise price equal to the fair market value of the underlying stock on the grant date. Upon exercise, a participant will recognize ordinary income equal to the excess, if any, of the fair market value of the underlying stock on the date of exercise of the stock option over the exercise price. If the participant is employed by us or one of our affiliates, that income will be subject to withholding taxes. The participant's tax basis in those shares will be equal to their fair market value on the date of exercise of the stock option, and the participant's capital gain holding period for those shares will begin on that date. Subject to the requirement of reasonableness, the provisions of Section 162(m) of the Code and the satisfaction of a tax reporting obligation, we will generally be entitled to a tax deduction equal to the taxable ordinary income realized by the participant.

##### *Incentive Stock Options*

The 2016 Plan provides for the grant of stock options that are intended to qualify as "incentive stock options," as defined in Section 422 of the Code. Under the Code, a participant generally is not subject to ordinary income tax upon the grant or exercise of an ISO. If the participant holds a share received upon exercise of an ISO for more than two years from the date the stock option was granted and more than one year from the date the stock option was exercised, which is referred to as the required holding period, the difference, if any, between the amount realized on a sale or other taxable disposition of that share and the

participant's tax basis in that share will be long-term capital gain or loss. If, however, a participant disposes of a share acquired upon exercise of an ISO before the end of the required holding period, which is referred to as a disqualifying disposition, the participant generally will recognize ordinary income in the year of the disqualifying disposition equal to the excess, if any, of the fair market value of the share on the date of exercise of the stock option over the exercise price. However, if the sales proceeds are less than the fair market value of the share on the date of exercise of the stock option, the amount of ordinary income recognized by the participant will not exceed the gain, if any, realized on the sale. If the amount realized on a disqualifying disposition exceeds the fair market value of the share on the date of exercise of the stock option, that excess will be short-term or long-term capital gain, depending on whether the holding period for the share exceeds one year.

For purposes of the alternative minimum tax, the amount by which the fair market value of a share of stock acquired upon exercise of an ISO exceeds the exercise price of the stock option generally will be an adjustment included in the participant's alternative minimum taxable income for the year in which the stock option is exercised. If, however, there is a disqualifying disposition of the share in the year in which the stock option is exercised, there will be no adjustment for alternative minimum tax purposes with respect to that share. In computing alternative minimum taxable income, the tax basis of a share acquired upon exercise of an ISO is increased by the amount of the adjustment taken into account with respect to that share for alternative minimum tax purposes in the year the stock option is exercised.

We are not allowed an income tax deduction with respect to the grant or exercise of an ISO or the disposition of a share acquired upon exercise of an ISO after the required holding period. If there is a disqualifying disposition of a share, however, we will generally be entitled to a tax deduction equal to the taxable ordinary income realized by the participant, subject to the requirement of reasonableness and the provisions of Section 162(m) of the Code, and provided that either the employee includes that amount in income or we timely satisfy our reporting requirements with respect to that amount.

#### *Restricted Stock Awards*

Generally, the recipient of a restricted stock award will recognize ordinary income at the time the stock is received equal to the excess, if any, of the fair market value of the stock received over any amount paid by the recipient in exchange for the stock. If, however, the stock is not vested when it is received (for example, if the employee is required to work for a period of time in order to have the right to sell the stock), the recipient generally will not recognize income until the stock becomes vested, at which time the recipient will recognize ordinary income equal to the excess, if any, of the fair market value of the stock on the date it becomes vested over any amount paid by the recipient in exchange for the stock. A recipient may, however, file an election with the Internal Revenue Service, within 30 days following his or her receipt of the stock award, to recognize ordinary income, as of the date the recipient receives the award, equal to the excess, if any, of the fair market value of the stock on the date the award is granted over any amount paid by the recipient for the stock.

The recipient's basis for the determination of gain or loss upon the subsequent disposition of shares acquired from a restricted stock award will be the amount paid for such shares plus any ordinary income recognized either when the stock is received or when the stock becomes vested.

Subject to the requirement of reasonableness, the provisions of Section 162(m) of the Code and the satisfaction of a tax reporting obligation, we will generally be entitled to a tax deduction equal to the taxable ordinary income realized by the recipient of the stock award.

#### *Restricted Stock Unit Awards*

Generally, the recipient of a restricted stock unit award structured to conform to the requirements of Section 409A of the Code or an exception to Section 409A of the Code will recognize ordinary income at the time the stock is delivered equal to the excess, if any, of the fair market value of the stock received over any amount paid by the recipient in exchange for the stock. To conform to the requirements of Section 409A of the Code, the stock subject to a restricted stock unit award may generally only be delivered upon one of the following events: a fixed calendar date (or dates), separation from service, death, disability or a change in control. If delivery occurs on another date, unless the restricted stock unit award otherwise complies with or

qualifies for an exception to the requirements of Section 409A of the Code, in addition to the tax treatment described above, the recipient will owe an additional 20% federal tax and interest on any taxes owed.

The recipient's basis for the determination of gain or loss upon the subsequent disposition of shares acquired from a restricted stock unit award will be the amount paid for such shares plus any ordinary income recognized when the stock is delivered.

Subject to the requirement of reasonableness, the provisions of Section 162(m) of the Code and the satisfaction of a tax reporting obligation, we will generally be entitled to a tax deduction equal to the taxable ordinary income realized by the recipient of the restricted stock unit award.

*Stock Appreciation Rights*

Generally, if a stock appreciation right is granted with an exercise price equal to the fair market value of the underlying stock on the grant date, the recipient will recognize ordinary income equal to the fair market value of the stock or cash received upon such exercise. Subject to the requirement of reasonableness, the provisions of Section 162(m) of the Code, and the satisfaction of a tax reporting obligation, we will generally be entitled to a tax deduction equal to the taxable ordinary income realized by the recipient of the stock appreciation right.

**New Plan Benefits**

**2016 Plan**

<b>Name and position<sup>(1)</sup></b>	<b>Number of shares</b>
Paul C. Grint, M.D., Chief Executive Officer . . . . .	475,189 <sup>(2)</sup>
Igor P. Bilinsky, Chief Operating Officer . . . . .	—
Steve R. Martin, Chief Financial Officer . . . . .	—
All current executive officers as a group . . . . .	—
All current directors who are not executive officers as a group . . . . .	—
All employees, including all current officers who are not executive officers, as a group . . . . .	—

- (1) Except as listed in the table, no other awards that may be made under the 2016 Plan are currently determinable, as there are no guaranteed or contractually required awards. Future grants are subject to approval of our Board or the applicable committee.
- (2) Pursuant to his employment offer letter agreement with the Company, Dr. Grint is entitled to receive, subject to approval by our Board or the Compensation Committee, an initial stock option grant under the 2016 Plan exercisable for up to 475,189 shares of our common stock at an exercise price per share equal to the fair market value on the date of grant, 40% of which shares will be subject to time-based vesting over a four-year period (25% of such time-based shares to vest after one year, and the balance to vest monthly over the following 36 months), and 60% of which shares will be subject to vesting upon achievement of corporate performance criteria to be established by the Board or the Compensation Committee. The Board expects this grant to be completed if Proposal 3 is approved at the annual meeting.

## 2016 Plan Benefits

The following table sets forth, for each of the individuals and groups indicated, the total number of shares of our common stock subject to awards that have been granted (even if not currently outstanding) under the 2016 Plan through June 30, 2017:

### 2016 Plan

Name and position	Number of shares
Paul. C. Grint, M.D., Chief Executive Officer . . . . .	— <sup>(1)</sup>
Igor P. Bilinsky, Chief Operating Officer . . . . .	129,534
Steve R. Martin, Chief Financial Officer . . . . .	16,128
All current executive officers as a group . . . . .	145,662
All current directors who are not executive officers as a group . . . . .	—
Director nominees	
Wendy S. Johnson . . . . .	—
Vijay B. Samant . . . . .	—
Each associate of any director or executive officer . . . . .	—
Each other person who received or is to receive 5% of rights under the 2016 Plan . . . . .	—
All employees, including all current officers who are not executive officers, as a group . . . . .	3,650

(1) See footnote 2 under the New Plan Benefits table above.

## Equity Compensation Plan Information

The following table provides information as of December 31, 2016 with respect to our equity compensation plans, retrospectively adjusted to give effect to our 1-for-10 reverse split of our common stock effected in April 2017:

Plan Category	Number of securities to be issued upon exercise of outstanding options, warrants and rights	Weighted-average exercise price of outstanding options, warrants and rights	Number of securities remaining available for future issuance under equity compensation plans (excluding securities reflected in column (a))
	(a)	(b)	(c)
Equity compensation plans approved by security holders <sup>(1)</sup> . . . . .	70,680	\$ 62.40	164,016
Equity compensation plans not approved by security holders <sup>(2)</sup> . . . . .	4,210	\$100.00	—
Total . . . . .	<u>74,890</u>	<u>\$ 64.50</u>	<u>164,016</u>

(1) The 2009 Plan, 2013 Plan and 2016 Plan.

(2) The 2012 Plan.

## PROPOSAL 4

### RATIFICATION OF SELECTION OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

The Audit Committee of the Board of Directors has selected Ernst & Young LLP as the Company's independent registered public accounting firm for the fiscal year ending December 31, 2017 and has further directed that management submit the selection of its independent registered public accounting firm for ratification by the shareholders at the annual meeting. Ernst & Young LLP was selected as our independent accountant as of January 20, 2015. Prior to selecting Ernst & Young LLP, PBMares, LLP served as our independent registered public accounting firm. Representatives of Ernst & Young LLP are expected to be present at the annual meeting. They will have an opportunity to make a statement if they so desire and will be available to respond to appropriate questions. Representatives of PBMares, LLP are not expected to be present at the annual meeting.

Neither the Company's Bylaws nor other governing documents or law require shareholder ratification of the selection of Ernst & Young LLP as the Company's independent registered public accounting firm. However, the Audit Committee of the Board is submitting the selection of Ernst & Young LLP to the shareholders for ratification as a matter of good corporate practice. If the shareholders fail to ratify the selection, the Audit Committee of the Board will reconsider whether or not to retain that firm. Even if the selection is ratified, the Audit Committee of the Board in its discretion may direct the appointment of different independent auditors at any time during the year if they determine that such a change would be in the best interests of the Company and its shareholders.

In order for Proposal 4 to be approved, the number of shares that vote "For" the proposal must exceed the number of shares that vote "Against" the proposal. Abstentions will be counted towards the vote total for Proposal 4 and will have the same effect as "Against" votes. Broker non-votes, if any, are counted towards a quorum, but are not counted for any purpose in determining whether this matter has been approved.

#### Principal Accountant Fees and Services

The following table represents aggregate fees billed to us for the fiscal years ended December 31, 2016 and December 31, 2015 by Ernst & Young LLP, our current principal accountant.

	Fiscal Year Ended December 31, 2016	Fiscal Year Ended December 31, 2015
Audit Fees . . . . .	\$493,195	\$510,988
Audit Related Fees . . . . .	165,000	22,600
Tax Fees . . . . .	—	—
All Other Fees . . . . .	—	—
Total . . . . .	<u>\$658,195</u>	<u>\$533,588</u>

The following table represents aggregate fees billed to us for the fiscal year ended December 31, 2015 by PBMares, LLP, our former principal accountant.

	Fiscal Year Ended December 31, 2015
Audit Fees . . . . .	\$51,551
Audit Related Fees . . . . .	—
Tax Fees . . . . .	—
All Other Fees . . . . .	—
Total . . . . .	<u>\$51,551</u>

Representatives of Ernst & Young LLP attended all of the meetings of the Audit Committee occurring between and including the dates of January 20, 2015 and December 31, 2016. Representatives of PBMares, LLP attended all of the meetings of the Audit Committee during the period commencing on January 1, 2015 and ending on January 20, 2015.

### **Pre-Approval Policies and Procedures**

The Audit Committee approves in advance the engagement and fees of the independent registered public accounting firm for all audit services and non-audit services, based upon independence, qualifications and, if applicable, performance. The Audit Committee may form and delegate to subcommittees of one or more members of the Audit Committee the authority to grant pre-approvals for audit and permitted non-audit services, up to specific amounts. All audit services provided by Ernst & Young LLP and PBMares, LLP for the periods presented were pre-approved by the Audit Committee.

### **Ability to Continue as a Going Concern**

The report of Ernst & Young LLP on the consolidated financial statements of the Company for the fiscal year ended December 31, 2016, included in the Form 10-K filed with the Securities and Exchange Commission on March 27, 2017 states that the Company has incurred net losses since its inception and has negative operating cash flows, which raise substantial doubts about the Company's ability to continue as a going concern. Other than the foregoing, Ernst & Young LLP's report on the financial statements for the past two years contained no adverse opinion or disclaimer of opinion and was not qualified as to audit scope or accounting principles.

**THE BOARD OF DIRECTORS RECOMMENDS  
A VOTE "FOR" PROPOSAL 4.**

## EXECUTIVE OFFICERS

The following table sets forth information regarding our executive officers as of the date of this proxy statement.

Name	Age	Position(s)
Paul C. Grint, M.D.	59	Chief Executive Officer, Director
Igor P. Bilinsky	44	Chief Operating Officer
Steve R. Martin	56	Chief Financial Officer

The following is biographical information for Igor P. Bilinsky, our Chief Operating Officer, and Steve R. Martin, our Chief Financial Officer. The biographical information for Dr. Grint is included under Proposal 1.

**Igor P. Bilinsky, Ph.D.** has served as our Senior Vice President, Chief Operating Officer, since January 30, 2017. Dr. Bilinsky previously served as Senior Vice President, Research Operations and General Manager, Immuno-Oncology of Ignyta, Inc. from February 2016 to January 2017, and before that served as Ignyta's General Manager, Immuno-Oncology and Senior Vice President, Special Operations since September 2015. Prior to joining Ignyta, Dr. Bilinsky was Senior Vice President, Corporate Development at Vical Incorporated, a position he held since 2010. Dr. Bilinsky was previously Vice President, Business Development and Special Operations at Halozyme Therapeutics from 2008 to 2010, after joining Halozyme in 2007 as Executive Director, Corporate Development and Special Operations. From 2005 to 2007, Dr. Bilinsky was Chief Executive Officer of Androclus Therapeutics, a privately-held biotechnology company developing novel therapeutics for autoimmune and inflammatory diseases. He joined Androclus in 2004 as Chief Operating Officer. From 1999 to 2004, Dr. Bilinsky served in positions of increasing responsibility as a management consultant, project leader and ultimately as principal in the healthcare practice of the Boston Consulting Group, where he advised companies in the biotechnology, pharmaceutical and life science industries on business strategy, operational performance and mergers and acquisitions. Prior to joining the Boston Consulting Group, Dr. Bilinsky worked in research positions at Symyx Technologies and the Massachusetts Institute of Technology ("MIT") Lincoln Laboratory. Dr. Bilinsky received his B.S. degree in physics from the Moscow Institute of Physics and Technology and his Ph.D. degree in physics from MIT.

**Steve R. Martin** has served as our Chief Financial Officer since January 2016. Mr. Martin served as Senior Vice President and Chief Financial Officer of Applied Proteomics, Inc., a molecular diagnostics company, from December 2014 to August 2015. From June 2011 to December 2014, Mr. Martin served as Senior Vice President and Chief Financial Officer of Apricus Biosciences, Inc., a publicly traded pharmaceutical company, and served as the Interim Chief Executive Officer of Apricus from November 2012 through March 2013. From 2008 to January 2011, Mr. Martin served as Senior Vice President and Chief Financial Officer of BakBone Software, a publicly traded software company. During his final 10 months with BakBone until the company's acquisition in January 2011, Mr. Martin also served as BakBone's Interim Chief Executive Officer. From 2005 to 2007, Mr. Martin served as Chief Financial Officer of Stratagene Corporation, a publicly traded research products and clinical diagnostics company. Mr. Martin's previous experience also includes serving as Controller with Gen-Probe Incorporated, a publicly traded molecular diagnostics company, as well as 10 years with Deloitte & Touche LLP, a public accounting firm. Mr. Martin holds a B.S. degree from San Diego State University and is a certified public accountant (inactive).

## SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT

The following table sets forth information regarding beneficial ownership of our capital stock by:

- each person, or group of affiliated persons, known by us to beneficially own more than 5% of our common stock;
- each of our directors;
- each of our named executive officers; and
- all of our current executive officers and directors as a group.

The percentage ownership information in the table below is based on 8,549,152 shares of common stock outstanding as of June 30, 2017.

Information with respect to beneficial ownership provided in the table below is based upon information supplied by officers and directors and based upon Schedules 13D and 13G and Form 4 filed with the SEC. We have determined beneficial ownership in accordance with the rules of the SEC. These rules generally attribute beneficial ownership of securities to persons who possess sole or shared voting power or investment power with respect to those securities. In addition, the rules include shares of common stock issuable pursuant to the exercise of stock options or warrants that are either immediately exercisable or exercisable on or before August 29, 2017, which is 60 days after June 30, 2017. These shares are deemed to be outstanding and beneficially owned by the person holding those options or warrants for the purpose of computing the percentage ownership of that person, but they are not treated as outstanding for the purpose of computing the percentage ownership of any other person. Unless otherwise indicated, the persons or entities identified in this table have sole voting and investment power with respect to all shares shown as beneficially owned by them, subject to applicable community property laws.

Except as otherwise noted below, the address for each person or entity listed in the table is c/o AmpliPhi Biosciences Corporation, 3579 Valley Centre Drive, Suite 100, San Diego, California 92130.

Beneficial Owner	Beneficial Ownership	
	Number of Shares	Percent of Total
<b>Greater than 5% Shareholders</b>		
None .....		
<b>Directors and Named Executive Officers</b>		
M. Scott Salka <sup>(1)</sup> .....	22,541	*
Jeremy Curnock Cook <sup>(2)</sup> .....	183,095	2.1%
Louis Drapeau <sup>(3)</sup> .....	1,576	*
Michael S. Perry, Ph.D. <sup>(4)</sup> .....	1,026	*
Vijay B. Samant <sup>(5)</sup> .....	712	*
Paul C. Grint, M.D. <sup>(6)</sup> .....	712	*
Wendy Johnson <sup>(7)</sup> .....	5,432	*
Steve Martin <sup>(8)</sup> .....	4,335	*
Igor P. Bilinsky, Ph.D. ....	—	—
<b>All current executive officers and directors as a group (8 persons)<sup>(9)</sup> . . . .</b>	<b>196,908</b>	<b>2.3%</b>

\* Represents beneficial ownership of less than 1%.

(1) Consists of 1,120 shares of common stock and 21,421 shares of common stock that Mr. Salka has the right to acquire from us within 60 days of June 30, 2017, pursuant to the exercise of stock options. Mr. Salka resigned from our Board of Directors in May 2017.

- (2) Consists of (a) 330 shares of common stock, (b) 124,251 shares referenced held by One Fund Management Limited as Trustee for Asia Pacific Healthcare Fund II (“One Funds”), an entity with which Mr. Cook is affiliated, and warrant exercisable for 55,365 shares of common stock, and (c) 3,149 shares of common stock that Mr. Cook has the right to acquire from us within 60 days of June 30, 2017, pursuant to the exercise of stock options.
- (3) Consists of 1,000 shares of common stock and 576 shares of common stock that Mr. Drapeau has the right to acquire from us within 60 days of June 30, 2017, pursuant to the exercise of stock options.
- (4) Consists of 230 shares of common stock and 796 shares of common stock that Dr. Perry has the right to acquire from us within 60 days of June 30, 2017, pursuant to the exercise of stock options.
- (5) Consists of 712 shares of common stock that Mr. Samant has the right to acquire from us within 60 days of June 30, 2017, pursuant to the exercise of stock options.
- (6) Consists of 712 shares of common stock that Dr. Grint has the right to acquire from us within 60 days of June 30, 2017, pursuant to the exercise of stock options.
- (7) Consists of 100 shares of common stock and 5,332 shares of common stock that Ms. Johnson has the right to acquire from us within 60 days of June 30, 2017, pursuant to the exercise of stock options.
- (8) Consists of 376 shares of common stock and 3,959 shares of common stock that Mr. Martin has the right to acquire from us within 60 days of June 30, 2017, pursuant to the exercise of stock options.
- (9) Consists of (a) 126,307 shares of common stock, (b) 55,365 shares of common stock issuable upon exercise of warrants, and (c) 15,236 shares of common stock exercisable within 60 days of June 30, 2017.

## SECTION 16(A) BENEFICIAL OWNERSHIP REPORTING COMPLIANCE

Section 16(a) of the Exchange Act requires the Company's directors and executive officers, and persons who own more than ten percent of a registered class of the Company's equity securities, to file with the SEC initial reports of ownership and reports of changes in ownership of common stock and other equity securities of the Company. Officers, directors and greater than ten percent shareholders are required by SEC regulation to furnish the Company with copies of all Section 16(a) forms they file.

To the Company's knowledge, based solely on a review of the copies of such reports furnished to the Company and written representations that no other reports were required, during the fiscal year ended December 31, 2016, all Section 16(a) filing requirements applicable to its officers, directors and greater than ten percent beneficial owners were complied with.

### EXECUTIVE COMPENSATION

Our named executive officers for the year ended December 31, 2016, which consist of all individuals who served as our principal executive officer during 2016 and our two most highly compensated executive officers other than our principal executive officer who were serving as executive officers as of December 31, 2016 are:

- M. Scott Salka, our former Chief Executive Officer;
- Steve Martin, our Chief Financial Officer; and
- Wendy S. Johnson, our former Interim Chief Operating Officer.

#### Summary Compensation Table

The following table provides information regarding the compensation paid during the last two fiscal years to our named executive officers for the year ended December 31, 2016.

Name and Principal Position	Year	Salary	Bonus	Option Awards <sup>(1)</sup>	Non-Equity Incentive Plan Compensation	All Other Compensation	Total
Michael Scott Salka, Chief Executive Officer <sup>(2)</sup>	2016	\$425,000	\$ 0	\$ 0	\$102,000	\$ 988	\$ 527,988
	2015	\$264,263	\$ 0	\$3,469,919	\$ 85,000	\$ 364	\$3,819,546
Steve Martin, Senior VP and Chief Financial Officer <sup>(3)</sup>	2016	\$306,667	\$ 0	\$ 239,801	\$ 67,200	\$ 1,341	\$ 615,009
Wendy S. Johnson, Interim Chief Operating Officer and Director <sup>(4)</sup>	2016	\$300,000	\$ 0	\$ 0	\$250,000	\$40,000 <sup>(5)</sup>	\$ 590,000
	2015	\$270,000	\$25,000	\$ 289,373	\$ 0	\$30,000 <sup>(5)</sup>	\$ 614,373

(1) In accordance with SEC rules, this column represents the aggregate grant date fair value of the option awards granted during 2016 and 2015 (if any) computed in accordance with Financial Accounting Standard Board Accounting Standards Codification Topic 718 for stock-based compensation transactions (ASC 718). Assumptions used in the calculation of these amounts are included in the notes to our audited financial statements of our Annual Report on Form 10-K for the year ended December 31, 2016, filed with the SEC on March 27, 2017. These amounts do not reflect the actual economic value that will be realized by the named executive officer upon the vesting of the stock options, the exercise of the stock options, or the sale of the common stock underlying such stock options.

(2) Mr. Salka commenced employment with us as Chief Executive Officer in May 2015. Mr. Salka resigned as our Chief Executive Officer in May 2017.

(3) Mr. Martin commenced employment with us as Chief Financial Officer in January 2016.

(4) Ms. Johnson served as our Interim Chief Operating Officer until Dr. Bilinsky's appointment in January 2017.

(5) Represents board of directors service retainers paid to Ms. Johnson.

## **Base Salary**

The base salary or consulting compensation of our named executive officers, as applicable, is generally determined and approved by our Board of Directors, based on the recommendation of the Compensation Committee.

Mr. Salka's annual base salary for 2015 and 2016 was \$425,000.

Mr. Martin's annual base salary for 2016 was \$320,000.

Ms. Johnson was paid monthly consulting fees for her service as our Interim Chief Operating Officer during 2015 and 2016. Ms. Johnson was compensated at a rate of \$20,000 per month for her consulting services as Interim Chief Operating Officer from January 1, 2015 until June 30, 2015, which rate was increased to \$25,000 per month effective on July 1, 2015 and remained as such during 2016.

## **Bonus Opportunity**

In addition to base salaries, certain of our named executive officers are eligible to receive annual performance-based cash bonuses, which are designed to provide appropriate incentives to our executives to achieve defined annual corporate goals and to reward our executives for individual achievement towards these goals. The performance-based bonus a named executive officer may be eligible to receive is generally based on the extent to which we achieve the specified corporate goals that our Board of Directors or Compensation Committee establishes. After the end of the year, typically in February or March, the Board of Directors and/or Compensation Committee reviews our performance against the established corporate goals and approves the extent to which we achieved such goals. In addition, we may award a named executive officer a discretionary cash or equity bonus, if our Board of Directors or Compensation Committee determines appropriate based on the circumstances.

The Board of Directors and/or Compensation Committee generally will consider each executive officer's individual contributions towards reaching our corporate goals and may also establish specific individual goals for our executive officers as it determines appropriate. There is no minimum bonus percentage or amount established for the named executive officers and, as a result, the bonus amounts vary based on corporate and individual performance, as applicable. Under the terms of his offer letter agreement described below, Mr. Salka was eligible to receive an annual performance-based bonus for 2016 equal to, at target, 40% of his annual salary based on our achievement of certain performance goals. Under the terms of her consulting agreement described below, Ms. Johnson was eligible to receive up to \$250,000 in cash bonus payments for 2016 upon achievement of specific goals relating to dosing of the first patient in the first clinical trial utilizing our drug product, the successful regulatory filing in the United States related to one of our clinical trials and the issuance of a final report related to on-going clinical trials utilizing our drug product. Mr. Martin is eligible to receive an annual performance-based bonus for 2016 equal to, at target, 35% of his annual salary based on our achievement of certain performance goals.

Mr. Salka's and Mr. Martin's 2016 bonuses were based entirely on corporate goals relating to capital raising, management of operating costs, our clinical trial and manufacturing progress, and certain organizational achievements.

In February 2017, the Compensation Committee reviewed the corporate performance goals for Mr. Salka and Mr. Martin and determined that on an overall basis, we had achieved 60% of such goals for 2016, based on the evaluation of the results by the Compensation Committee and considering the importance of each goal to our company. The Compensation Committee assessed the goals established for Ms. Johnson's bonus throughout the fiscal year and determined that she had met the goals established for 2016.

## **Equity-Based Awards**

Our equity-based incentive awards are designed to align our interests with those of our employees and consultants, including our named executive officers. Our Board of Directors or our Compensation Committee approves equity grants. Vesting of equity awards is generally tied to continuous service with us and serves as an additional retention measure. Our executives may be awarded an initial new hire grant upon commencement of service and may receive additional grants, as the Board of Directors or Compensation Committee determines appropriate, in order to incentivize and/or reward such executives.

We have traditionally granted stock options to our named executive officers under our equity incentive plans, the terms of which are described below under “— Equity Benefit Plans.”

On January 18, 2016, in accordance with Mr. Martin’s offer letter agreement, we granted Mr. Martin an option to purchase 9,991 shares of our common stock with an exercise price of \$28.50 per share (as adjusted to give effect to the 1-for-10 reverse split of our common stock effected in April 2017). Twenty-five percent of the shares underlying this option vested on January 18, 2017, with the balance vesting in equal monthly installments thereafter over the next three years, subject to Mr. Martin’s continued service with us.

#### **Agreements with our Named Executive Officers**

Below are descriptions of our employment and consulting agreements with our named executive officers governing the terms of their service with us. For a discussion of the severance pay and other benefits that may be provided in connection with a termination of service and/or a change in control under the arrangements with our named executive officers, please see “— Potential Payments and Benefits upon Termination or Change in Control” below.

*Mr. Salka.* In April 2015, we entered into an offer letter agreement with Mr. Salka, our Chief Executive Officer until his resignation in May 2017. Mr. Salka’s employment under the agreement was at will and terminable at any time by us or Mr. Salka. Under the terms of the agreement, Mr. Salka was entitled to receive an initial annual base salary of \$425,000, an annual target performance bonus of 40% of his annual salary based on our achievement of certain performance objectives and an option to purchase a number of shares of our common stock under our 2013 Plan equal to 4% of the number of shares of common stock outstanding on a fully-diluted basis. Mr. Salka resigned from the Company in May 2017.

*Ms. Johnson.* We entered into an agreement with Ms. Johnson in September 2014 which provided for Ms. Johnson’s services as an independent contractor on an interim basis as our Chief Operating Officer. In September 2015, we entered into a consulting agreement with Ms. Johnson, which superseded her prior agreement, effective July 1, 2015. Under the terms of her consulting agreement, including amendments, Ms. Johnson was entitled to receive monthly compensation of \$25,000 for consulting services of at least 120 hours per month, cash bonus payments up to an aggregate of \$300,000 upon the achievement of certain Company milestones and an option to purchase a number of shares of our common stock under our 2013 Plan equal to 0.5% of the number of shares of common stock outstanding on a fully-diluted basis, which was granted in September 2015. In February 2017, upon termination of her prior September 2015 consulting agreement, we entered into a new consulting agreement with Ms. Johnson, pursuant to which Ms. Johnson has agreed to provide consulting services to us in the areas of clinical, regulatory, manufacturing and other operating activities as deemed necessary by the Company’s Chief Executive Officer and Chief Operating Officer. Ms. Johnson was entitled to receive cash compensation in the amount of \$25,000 for services performed over an initial service period that extends for 60 days following the date of the consulting agreement. Ms. Johnson may provide additional services to us on a project-by-project basis in exchange for compensation at a rate of \$400 per hour.

*Mr. Martin.* In January 2016, we entered into an offer letter agreement with Mr. Martin, our Senior Vice President and Chief Financial Officer. Mr. Martin’s employment under the agreement is at will and may be terminated by us or Mr. Martin at any time. Under the terms of the agreement, Mr. Martin is entitled to receive an initial annual base salary of \$320,000, an annual target performance bonus of 35% of his annual salary based on our achievement of certain performance objectives and an option to purchase a number of shares of our common stock equal to 1% of the number of shares of common stock outstanding on a fully-diluted basis, which was granted in January 2016 and is described above under “— Equity-Based Awards”.

#### **Potential Payments and Benefits upon Termination or Change in Control**

*Mr. Salka.* Under the terms of his offer letter agreement, as amended, Mr. Salka was entitled to receive 12 months of continued base salary if his employment with us was terminated without cause or if he resigned for good reason, and additionally, if such termination or resignation occurs in connection with a change in control, full acceleration of his equity awards, provided that in either case Mr. Salka were to execute an effective release of claims against us.

*Mr. Martin.* Under the terms of his offer letter agreement, Mr. Martin is entitled to receive 12 months of continued base salary if his employment with us is terminated without cause or if he resigns for good reason, and additionally, if such termination or resignation occurs in connection with a change in control, full acceleration of his equity awards, provided that in either case Mr. Martin executes an effective release of claims against us.

All of the named executive officers hold stock options under our equity incentive plans that were granted subject to the general terms of our equity incentive plans and form of stock option agreements. A description of the termination and change in control provisions in such equity incentive plans and stock options granted thereunder is provided below under “— Equity Benefit Plans” and the specific vesting terms of each named executive officer’s stock options are described below under “— Outstanding Equity Awards at Fiscal Year End.”

### Outstanding Equity Awards at Fiscal Year End

The following table sets forth certain information regarding all outstanding equity awards held by our named executive officers as of December 31, 2016, which information has been retrospectively adjusted to give effect to the 1-for-10 reverse split of our common stock effected in April 2017.

Name	Number of Securities Underlying Unexercised Options (#) Exercisable	Number of Securities Underlying Unexercised Options (#) Unexercisable	Equity Incentive Plan Awards: Number of Securities Underlying Unexercised Unearned Options (#)	Option Exercise Price (\$)	Option Expiration Date
Mr. Salka	18,601	8,045 <sup>(1)</sup>	0	\$94.50	8/5/2025
Mr. Martin	0	9,991 <sup>(2)</sup>	0	\$28.50	1/17/2026
Ms. Johnson	4,996	0	0	\$74.60	9/8/2025
	224	426 <sup>(3)</sup>	0	\$63.80	9/21/2025
	0	0	970 <sup>(4)</sup>	\$63.80	9/21/2025

- (1) 13,323 of the shares underlying the option were subject to vesting over a four year period commencing on May 18, 2015 (with 25% vesting on the one-year anniversary of the commencement of Mr. Salka’s employment and the balance vesting in monthly installments thereafter), subject to Mr. Salka’s continued service with us, and 13,323 of the shares underlying this option were subject to vesting upon satisfaction of certain business goals relating to human clinical trial milestones for our phage products.
- (2) Twenty-five percent of the shares underlying this option vested on January 18, 2017, with the balance vesting in equal monthly installments thereafter over the next three years, subject to Mr. Martin’s continued service with us.
- (3) The shares underlying this option vest on an equal monthly basis over a four-year period commencing on August 3, 2015. This option was granted to Ms. Johnson for her services as a non-employee director.
- (4) The shares underlying this option will vest on the date that the market price of our common stock reaches \$250.00 per share before the option expires. This option was granted to Ms. Johnson for her services as a non-employee director.

All of the stock options held by our named executive officers listed in the table above were granted under and subject to the terms of our 2013 Stock Incentive Plan, the terms of which are described below under “— Equity Benefit Plans”.

### Option Exercises and Stock Vested

Our named executive officers did not exercise any stock option awards during the year ended December 31, 2016.

### Pension Benefits

None of our named executive officers participate in or have account balances in qualified or non-qualified defined benefit plans sponsored by us.

## **Non-Qualified Deferred Compensation**

None of our named executive officers participate in or have account balances in qualified or non-qualified defined contribution plans or other non-qualified compensation plans sponsored by us.

## **Equity Benefit Plans**

The historical share numbers described under this “Equity Benefit Plans” heading have been retrospectively adjusted to give effect to the 1-for-10 reverse split of our common stock effected in April 2017.

### ***2016 Equity Incentive Plan***

Our 2016 Equity Incentive Plan, or the 2016 Plan, was approved by our Board of Directors in April 2016 and subsequently approved by our stockholders in June 2016. The plan provides for the issuance of incentive awards in the form of non-qualified and incentive stock options, stock appreciation rights, restricted stock awards, restricted stock unit awards and performance-based stock awards. The awards may be granted by the Company’s Board of Directors to its employees, including officers, non-employee directors and consultants who provide services to the Company or to a subsidiary of the Company. The exercise price for stock options must not be less than the fair market value of the underlying shares on the date of grant. Stock options expire no later than ten years from the date of grant and generally vest and typically become exercisable over a four-year period following the date of grant. Upon the exercise of stock options, the Company issues the resulting shares from shares reserved for issuance under the 2016 Plan. With the approval of the 2016 Plan, the remaining unallocated shares under the Company’s 2013 Stock Incentive Plan were allocated to the 2016 Plan and an additional 100,000 new shares were added to the authorized share reserve under the 2016 Plan. On January 1, 2017, pursuant to the terms of the 2016 Plan, the number of shares available for issuance under the 2016 Plan automatically increased by 82,440 shares. If Proposal 3 described herein is approved at the annual meeting, the number of shares authorized for issuance under the 2016 Plan will be increased by 800,000 shares.

### ***2013 Stock Incentive Plan***

Our 2013 Stock Incentive Plan, or the 2013 Plan, was first approved by our Board of Directors in December 2013 and approved by our stockholders in February 2014, and subsequently amended by our Board of Directors and stockholders effective in August 2015. With the approval of the 2016 Plan, we will not issue any further awards under the 2013 Plan. We have included this description of the 2013 Plan in order to provide information regarding the material terms of the awards we granted to our named executive officers during the years ended December 31, 2015 and December 31, 2016. As of December 31, 2016, there were outstanding stock options to purchase 66,380 shares of our common stock under the 2013 Plan.

The 2013 Plan permitted the granting of stock options (both options to purchase common stock intended to qualify as incentive stock options under Section 422 of the Code and options that do not so qualify), stock appreciation rights, restricted stock, restricted stock units, dividend equivalent rights, and cash-based awards. The exercise price of each stock option was determined by our plan administrator to be at no less than 100% of the fair market value of our common stock on the date of grant or, in the case of an incentive stock option granted to a 10% owner, no less than 110% of the fair market value of our common stock on the date of grant. The term of each stock option was fixed by the plan administrator and may not exceed 10 years from the date of grant. The plan administrator determines at what time or times each option may be exercised.

Under the terms of the 2013 Plan, an option may be exercised following the cessation of a participant’s service with us only to the extent provided in the applicable option agreement. If a participant’s service relationship with us or any of our affiliates ceases for any reason other than disability or death, the participant may generally exercise any vested options for a period of three months following the cessation of service. If a participant’s service relationship with us or any of our affiliates ceases due to disability or death, or a participant dies within a certain period following cessation of service, the participant or a beneficiary may generally exercise any vested options for a period of 12 months. In no event may an option be exercised beyond the expiration of its term.

Under the terms of the 2013 Plan, upon the effectiveness of a corporate transaction (as such term is defined in the 2013 Plan) in the event that all awards are not affirmed by us or assumed by the successor entity, all

awards granted under the 2013 Plan shall terminate. In addition, in connection with a corporate transaction or change in control (as such term is defined in the 2013 Plan) the plan administrator may provide the full or partial automatic vesting and exercisability of one or more outstanding unvested awards under the 2013 Plan and the release from restrictions on transfer or forfeiture rights of such awards in connection with such transaction, on such terms and conditions as the plan administrator may specify.

Our Board of Directors may amend the 2013 Plan at any time; no further grants will be made under the 2013 Plan as of the effectiveness of our 2016 Plan, but outstanding awards granted under the 2013 Plan continue to be governed by its terms. The plan administrator may amend the terms of any outstanding award granted under the 2013 Plan, but no such action may adversely affect the holder’s rights under an outstanding award without the holder’s consent. Certain amendments to the 2013 Plan require the approval of our stockholders.

**Employee Stock Purchase Plan**

Additional long-term equity incentives are provided through our 2016 Employee Stock Purchase Plan (the “ESPP”), which became effective in connection with our 2016 Annual Meeting of Shareholders in May 2016. The ESPP is intended to qualify as an “employee stock purchase plan” within the meaning of section 423 of the Code. Our Board of Directors has delegated its authority to administer the ESPP to our Compensation Committee. Under the ESPP, all of our regular employees (including our named executive officers) may participate and may contribute, normally through payroll deductions, up to 15% of their earnings for the purchase of our common stock. The ESPP is implemented through a series of offerings of purchase rights to eligible employees. Under the ESPP, we may specify offerings with a duration of not more than 27 months, and may specify shorter purchase periods within each offering. Each offering will have one or more purchase dates on which our common stock will be purchased for employees participating in the offering. Unless otherwise determined by our Compensation Committee, shares are purchased for accounts of employees participating in the ESPP at a price per share equal to the lower of (a) 85% of the fair market value of our common stock on the first date of an offering or (b) 85% of the fair market value of our common stock on the date of purchase. As of December 31, 2016, there were 8,727 shares available for future issuance under the ESPP. On January 1, 2017, pursuant to the terms of the ESPP, the number of shares available for issuance under the ESPP automatically increased by 16,488 shares.

**Non-Employee Director Compensation**

The following table and related footnotes show the compensation paid during the year ended December 31, 2016 to our non-employee directors, other than Ms. Johnson whose 2016 compensation is set forth above under “Executive Compensation” above. We did not grant any equity awards to our non-employee directors during the year ended December 31, 2016. The stock option share numbers set forth in the footnotes below the following table have been retrospectively adjusted to give effect to the 1-for-10 reverse split of our common stock effected in April 2017.

Name	Fees Earned or Paid in Cash	Total
Jeremy Curnock Cook <sup>(1)</sup> . . . . .	\$70,000	\$70,000
Louis Drapeau <sup>(2)</sup> . . . . .	\$58,000	\$58,000
Michael S. Perry, Ph.D. <sup>(3)</sup> . . . . .	\$59,000	\$59,000
Vijay Samant <sup>(4)</sup> . . . . .	\$46,000	\$46,000
Paul C. Grint <sup>(5)</sup> . . . . .	\$45,000	\$45,000
Julian Kirk <sup>(6)</sup> . . . . .	\$11,667	\$11,667

- (1) As of December 31, 2016, Mr. Cook held stock options for an aggregate of 4,910 shares, of which 2,517 shares were vested and exercisable.
- (2) As of December 31, 2016, Mr. Drapeau held stock options for an aggregate of 1,620 shares, of which 464 shares were vested and exercisable.
- (3) As of December 31, 2016, Mr. Perry held stock options for an aggregate of 1,740 shares, of which 6,784 shares were vested and exercisable.

- (4) As of December 31, 2016, Mr. Samant held stock options for an aggregate of 1,620 shares, of which 440 shares were vested and exercisable.
- (5) As of December 31, 2016, Dr. Grint held stock options for an aggregate of 1,620 shares, of which 440 shares were vested and exercisable.
- (6) Mr. Kirk resigned from our Board of Directors in April 2016. As of December 31, 2016, Mr. Kirk did not have any outstanding or vested stock options.

In September 2015, the Board of Directors approved a revised compensation structure for our non-employee directors. In 2016, the chairman of the Board received an annual cash retainer of \$60,000 and each other non-employee director received an annual cash retainer of \$40,000. For the Audit Committee, the committee chair received an additional annual cash retainer of \$15,000 and each member received an additional annual cash retainer of \$6,000. For the Compensation Committee, the committee chair received an additional annual cash retainer of \$10,000 and each member received an additional annual cash retainer of \$5,000. For the Nominating and Corporate Governance Committee, the committee chair received an additional annual cash retainer of \$5,000 and each member received an additional annual cash retainer of \$3,000.

During 2016, Mr. Salka and Ms. Johnson served on our Board of Directors. As an employee, Mr. Salka did not receive cash or equity compensation for his services as a director during 2016. Ms. Johnson received a retainer of \$40,000 for her services as a director during 2016. As named executive officers, the compensation of each of Mr. Salka and Ms. Johnson is reflected in the Summary Compensation Table above.

## TRANSACTIONS WITH RELATED PERSONS

### Related-Person Transactions policy and Procedures

We have adopted a written related-person transactions policy that sets forth our policies and procedures regarding the identification, review, consideration and oversight of “related-person transactions.” For purposes of our policy only, a “related-person transaction” is a transaction, arrangement or relationship (or any series of similar transactions, arrangements or relationships) in which we and any “related person” are participants involving an amount that exceeds \$120,000 (or such lower threshold as may be applicable to us from time to time pursuant to the rules and regulations of the SEC or the NYSE MKT).

Transactions involving compensation for services provided to us by an employee, consultant or director are not considered related-person transactions under this policy. A related person is any executive officer, director or a holder of more than five percent of our common stock, including any of their immediate family members and any entity owned or controlled by such persons.

Under the policy, where a transaction has been identified as a related-person transaction, management must present information regarding the proposed related-person transaction to our Audit Committee (or, where review by our Audit Committee would be inappropriate, to another independent body of our Board of Directors) for approval. The presentation must include a description of, among other things, the material facts, the direct and indirect interests of the related persons, the benefits of the transaction to us and whether any alternative transactions are available. To identify related-person transactions in advance, we rely on information supplied by our executive officers, directors and certain significant shareholders. In considering related-person transactions, our Audit Committee or other independent body of our Board of Directors takes into account the relevant available facts and circumstances including, but not limited to:

- the risks, costs and benefits to us;
- the impact on a director’s independence in the event the related person is a director, immediate family member of a director or an entity with which a director is affiliated;
- the terms of the transaction;
- the availability of other sources for comparable services or products; and
- the terms available to or from, as the case may be, unrelated third parties.

In the event a director has an interest in the proposed transaction, the director must recuse himself or herself from the deliberations and approval.

### Certain Related-Person Transactions

The following includes a summary of transactions since January 1, 2015 to which we have been a party, in which the amount involved in the transaction exceeded the lesser of \$120,000 or one percent of the average of our total assets at year end for the last two completed fiscal years, and in which any of our directors, executive officers or, to our knowledge, beneficial owners of more than 5% of our capital stock or any member of the immediate family of any of the foregoing persons had or will have a direct or indirect material interest, other than equity and other compensation, termination, change in control and other arrangements, which are described in the sections above entitled “Executive Compensation” and “Non-Employee Director Compensation.” The historical share and share-based numbers for the transactions summarized below have been retrospectively adjusted to give effect to the 1-for-10 reverse split of our common stock effected in April 2017 and, where applicable, the 1-for-50 reverse split of our common stock effected in August 2015.

### Sale of Common Stock

In March 2015, in connection with a private placement of our common stock, we sold an aggregate of 6,845 shares and 1,711 shares underlying warrants to One Fund Management Limited as Trustee for Asia Pacific Healthcare Fund II, which is also known as Phillip Asset Management Limited as Trustee for Asia Pacific Healthcare Fund II, or Phillip Asset Management. Jeremy Curnock Cook, our then-interim Chief Executive Officer and the current chairman of the Board, is a Managing Director and holds an ownership

interest in Bioscience Managers Pty Ltd. Phillip Asset Management Limited is 100% owned by Phillip Capital Holdings Ltd., an Australian stockbroker. Phillip Asset Management holds all shares in its capacity as trustee for Bioscience Managers Pty Ltd.

In addition, in connection with the March 2015 private placement, we sold an aggregate of 27,878 shares and 6,969 shares underlying warrants to Intrexon Corporation. Intrexon was affiliated with Randal J. Kirk, one of our principal stockholders and also the father of a former member of our board of directors, Julian P. Kirk. In connection with the March 2015 private placement, we entered into a registration rights agreement with Intrexon and certain other purchasers in the private placement, pursuant to which we registered for resale on Form S-1 (File No. 333-203454) 82,484 shares of common stock held or issuable upon exercise of warrants by Intrexon. We also granted Intrexon certain piggyback registration rights.

### Exclusive Channel Collaboration

Pursuant to that certain Exclusive Channel Collaboration Agreement, dated as of March 29, 2013, with Intrexon Corporation, which we refer to as the ECC Agreement, we agreed to pay Intrexon Corporation royalties as a percentage in the upper-single digits of the net product sales of a product developed under the collaboration, and up to \$7.5 million in aggregate milestone payments for each product developed. Intrexon Corporation owned more than 5% of our common stock at the time of the transaction. On April 13, 2016, we provided written notice to Intrexon Corporation of our election to voluntarily terminate the ECC Agreement. The effective date of termination was July 12, 2016.

### Common Stock Issuance Agreement

On April 8, 2016, we entered into the CSIA with certain former holders of our Series B convertible preferred stock, including Pendinas Limited (which owned more than 5% of our common stock on the date of the CSIA) and One Funds. Pursuant to the CSIA, we issued shares of our common stock to such holders, and amended certain warrants to purchase common stock issued to such holders in the private placement of Series B convertible preferred stock in June 2013 and/or July 2013, in order to reduce the exercise price of such warrants from \$70.00 per share to \$40.50 per share and extend the expiration date thereof from June 26, 2018 to March 31, 2021. As consideration for the transactions described above, such holders waived their right to receive approximately \$2.2 million in aggregate cash payments to which they were entitled upon the conversion of all outstanding shares of Series B convertible preferred stock into shares of common stock on April 8, 2016, in respect of accrued dividends on their former shares of Series B convertible preferred stock. Such holders also waived their registration rights with respect to certain future registration statements that may be filed, and certain future public offerings that may be conducted, by us.

The table below summarizes the shares issued to Pendinas Limited and One Funds and the accrued dividends waived by such parties:

Related Person	Shares Issued	Accrued Dividends Waived
Pendinas Limited . . . . .	58,455	\$1,504,433
One Funds . . . . .	17,129	\$ 440,859

Pursuant to the terms of the CSIA and in connection with the registered direct public offering that we completed in June 2016, on June 21, 2016 we issued 51,383 and 15,057 shares of common stock to Pendinas Limited and One Funds, respectively, for no additional consideration. Pendinas Limited ceased to be a “related person” following the completion of our May 2017 public offering.

On June 27, 2017, we entered into an amendment to the CSIA (the “Amendment”), as described in further detail under Proposal 2 above. Pursuant to the Amendment, on June 29, 2017 we issued an aggregate of 28,684 shares of common stock to the stockholders party to the Amendment, including 5,757 shares to One Funds. If Proposal 2 is approved, we have agreed to issue One Funds an additional 105,015 shares of common stock subject to our receipt of a release of claims from One Funds at the time of issuance.

## **Settlement Agreement**

On November 12, 2016, we entered into a settlement agreement with NRM VII Holdings I, LLC (“NRM”) to settle a complaint filed by NRM in April 2016 against us and the members of our board of directors in the Superior Court of California, County of San Diego, alleging that we breached the implied covenant of good faith and fair dealing by entering into an alleged scheme to force NRM to convert its shares of Series B convertible preferred stock into shares of our common stock. The complaint further alleged that the members of our Board of Directors who were named as defendants breached their fiduciary duty of good faith and loyalty owed to NRM, as one of our stockholders, by participating in this alleged scheme. Pursuant to the settlement agreement, NRM dismissed the allegation with prejudice upon receipt of a cash payment of \$2.0 million, which was paid to NRM by our insurance carrier in 2016. The settlement agreement contains mutual releases covering all claims that we or our affiliates, or NRM or its affiliates, have or may have against the other party or such other party’s affiliates in connection with the allegation or otherwise as of the date of the settlement agreement.

Upon the automatic conversion of NRM’s shares of our Series B convertible preferred stock into shares of our common stock on April 8, 2016, we became obligated to pay NRM accrued dividends in the amount of approximately \$914,000. Upon NRM’s receipt of the \$2.0 million settlement payment described above, our accrued dividends payment obligation to NRM was extinguished.

## **Employment Agreements**

We have entered into compensatory arrangements with our executive officers, as more fully described in the section above entitled “Executive Compensation.”

## **Stock Options Granted to Executive Officers and Directors**

We have granted stock options to our executive officers and directors, as more fully described in the sections above entitled “Executive Compensation” and “Non-Employee Director Compensation.”

## **Indemnification Agreements**

We have entered, and intend to continue to enter, into separate indemnification agreements with each of our directors and executive officers, as described in the sections above entitled “Executive Compensation” and “Non-Employee Director Compensation.”

## HOUSEHOLDING OF PROXY MATERIALS

The SEC has adopted rules that permit companies and intermediaries (e.g., brokers) to satisfy the delivery requirements for annual meeting materials with respect to two or more shareholders sharing the same address by delivering a single set of annual meeting materials addressed to those shareholders. This process, which is commonly referred to as “householding,” potentially means extra convenience for shareholders and cost savings for companies.

This year, a number of brokers with account holders who are AmpliPhi shareholders will be “householding” the Company’s proxy materials. A single set of annual meeting materials will be delivered to multiple shareholders sharing an address unless contrary instructions have been received from the affected shareholders. Once you have received notice from your broker that they will be “householding” communications to your address, “householding” will continue until you are notified otherwise or until you revoke your consent. If, at any time, you no longer wish to participate in “householding” and would prefer to receive a separate set of annual meeting materials, please notify your broker or AmpliPhi. Direct your written request to AmpliPhi Biosciences Corporation, Attn: Investor Relations, 3579 Valley Centre Drive, Suite 100, San Diego, California 92130 or contact Matt Dansey at (858) 800-4869. Shareholders who currently receive multiple copies of the annual meeting materials at their addresses and would like to request “householding” of their communications should contact their brokers.

## OTHER MATTERS

The Board of Directors knows of no other matters that will be presented for consideration at the annual meeting. If any other matters are properly brought before the meeting, it is the intention of the persons named in the accompanying proxy to vote on such matters in accordance with their best judgment.

By Order of the Board of Directors,



Jeremy Curnock Cook  
*Chairman of the Board of Directors*

San Diego, California  
July 24, 2017

**A copy of the Company’s Annual Report to the Securities and Exchange Commission on Form 10-K for the fiscal year ended December 31, 2016 is available without charge upon written request to: Secretary, AmpliPhi Biosciences Corporation, 3579 Valley Centre Drive, Suite 100, San Diego, California 92130. We will furnish a copy of any exhibit to such report upon written request and payment of reasonable expenses in furnishing such exhibit.**

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## APPENDIX A

### AMPLI PHI BIOSCIENCES CORPORATION

#### 2016 EQUITY INCENTIVE PLAN

ADOPTED BY THE BOARD OF DIRECTORS: APRIL 21, 2016

APPROVED BY THE SHAREHOLDERS: JUNE 20, 2016

AMENDED BY THE BOARD OF DIRECTORS: JUNE 14, 2017 AND JULY 19, 2017

APPROVED BY THE SHAREHOLDERS: , 2017

#### 1. GENERAL.

**(a) Successor to and Continuation of Prior Plan.** The Plan is intended as the successor to and continuation of the AmpliPhi Biosciences Corporation 2013 Stock Incentive Plan (the “**2013 Plan**”). From and after 12:01 a.m. Pacific Time on the Effective Date, no additional stock awards will be granted under the 2013 Plan. All Awards granted on or after 12:01 a.m. Pacific Time on the Effective Date will be granted under this Plan. All stock awards granted under the 2013 Plan or under the 2009 Targeted Genetics Stock Incentive Plan or the AmpliPhi Biosciences Corporation 2012 Stock Incentive Plan (collectively, with the 2013 Plan, the “**Prior Plans**”), will remain subject to the terms of the Prior Plans.

(i) Any shares that would otherwise remain available for future grants under the 2013 Plan as of 12:01 a.m. Pacific Time on the Effective Date (the “**2013 Plan’s Available Reserve**”) will cease to be available under the 2013 Plan at such time. Instead, that number of shares of Common Stock equal to the 2013 Plan’s Available Reserve will be added to the Share Reserve (as further described in Section 3(a) below) and will be immediately available for grants and issuance pursuant to Stock Awards hereunder, up to the maximum number set forth in Section 3(a) below.

(ii) In addition, from and after 12:01 a.m. Pacific Time on the Effective Date, any shares subject, at such time, to outstanding stock awards granted under the Prior Plans that (i) expire or terminate for any reason prior to exercise or settlement; (ii) are forfeited because of the failure to meet a contingency or condition required to vest such shares or otherwise return to the Company; or (iii) are reacquired, withheld (or not issued) to satisfy a tax withholding obligation in connection with an award or to satisfy the purchase price or exercise price of a stock award (such shares the “**Returning Shares**”) will immediately be added to the Share Reserve (as further described in Section 3(a) below) as and when such shares become Returning Shares, up to the maximum number set forth in Section 3(a) below.

**(b) Eligible Award Recipients.** Employees, Directors and Consultants are eligible to receive Awards.

**(c) Available Awards.** The Plan provides for the grant of the following Awards: (i) Incentive Stock Options, (ii) Nonstatutory Stock Options, (iii) Stock Appreciation Rights, (iv) Restricted Stock Awards, (v) Restricted Stock Unit Awards, (vi) Performance Stock Awards, (vii) Performance Cash Awards, and (viii) Other Stock Awards.

**(d) Purpose.** The Plan, through the grant of Awards, is intended to help the Company secure and retain the services of eligible award recipients, provide incentives for such persons to exert maximum efforts for the success of the Company and any Affiliate, and provide a means by which the eligible recipients may benefit from increases in value of the Common Stock.

#### 2. ADMINISTRATION.

**(a) Administration by Board.** The Board will administer the Plan. The Board may delegate administration of the Plan to a Committee or Committees, as provided in Section 2(c).

**(b) Powers of Board.** The Board will have the power, subject to, and within the limitations of, the express provisions of the Plan:

(i) To determine: (A) who will be granted Awards; (B) when and how each Award will be granted; (C) what type of Award will be granted; (D) the provisions of each Award (which need not be identical), including when a person will be permitted to exercise or otherwise receive cash or

Common Stock under the Award; (E) the number of shares of Common Stock subject to, or the cash value of, an Award; and (F) the Fair Market Value applicable to a Stock Award.

(ii) To construe and interpret the Plan and Awards granted under it, and to establish, amend and revoke rules and regulations for administration of the Plan and Awards. The Board, in the exercise of these powers, may correct any defect, omission or inconsistency in the Plan or in any Award Agreement or in the written terms of a Performance Cash Award, in a manner and to the extent it will deem necessary or expedient to make the Plan or Award fully effective.

(iii) To settle all controversies regarding the Plan and Awards granted under it.

(iv) To accelerate, in whole or in part, the time at which an Award may be exercised or vest (or the time at which cash or shares of Common Stock may be issued in settlement thereof).

(v) To suspend or terminate the Plan at any time. Except as otherwise provided in the Plan or an Award Agreement, suspension or termination of the Plan will not materially impair a Participant's rights under the Participant's then-outstanding Award without the Participant's written consent, except as provided in subsection (viii) below.

(vi) To amend the Plan in any respect the Board deems necessary or advisable, including, without limitation, by adopting amendments relating to Incentive Stock Options and certain nonqualified deferred compensation under Section 409A of the Code and/or bringing the Plan or Awards granted under the Plan into compliance with the requirements for Incentive Stock Options or ensuring that they are exempt from, or compliant with, the requirements for nonqualified deferred compensation under Section 409A of the Code, subject to the limitations, if any, of applicable law. If required by applicable law or listing requirements, and except as provided in Section 9(a) relating to Capitalization Adjustments, the Company will seek shareholder approval of any amendment of the Plan that (A) materially increases the number of shares of Common Stock available for issuance under the Plan, (B) materially expands the class of individuals eligible to receive Awards under the Plan, (C) materially increases the benefits accruing to Participants under the Plan, (D) materially reduces the price at which shares of Common Stock may be issued or purchased under the Plan, (E) materially extends the term of the Plan, or (F) materially expands the types of Awards available for issuance under the Plan. Except as otherwise provided in the Plan or an Award Agreement, no amendment of the Plan will materially impair a Participant's rights under an outstanding Award without the Participant's written consent.

(vii) To submit any amendment to the Plan for shareholder approval, including, but not limited to, amendments to the Plan intended to satisfy the requirements of (A) Section 162(m) of the Code regarding the exclusion of performance-based compensation from the limit on corporate deductibility of compensation paid to Covered Employees, (B) Section 422 of the Code regarding "incentive stock options" or (C) Rule 16b-3.

(viii) To approve forms of Award Agreements for use under the Plan and to amend the terms of any one or more Awards, including, but not limited to, amendments to provide terms more favorable to the Participant than previously provided in the Award Agreement, subject to any specified limits in the Plan that are not subject to Board discretion; *provided, however*, that a Participant's rights under any Award will not be impaired by any such amendment unless (A) the Company requests the consent of the affected Participant, and (B) such Participant consents in writing. Notwithstanding the foregoing, (1) a Participant's rights will not be deemed to have been impaired by any such amendment if the Board, in its sole discretion, determines that the amendment, taken as a whole, does not materially impair the Participant's rights, and (2) subject to the limitations of applicable law, if any, the Board may amend the terms of any one or more Awards without the affected Participant's consent (A) to maintain the qualified status of the Award as an Incentive Stock Option under Section 422 of the Code; (B) to change the terms of an Incentive Stock Option, if such change results in impairment of the Award solely because it impairs the qualified status of the Award as an Incentive Stock Option under Section 422 of the Code; (C) to clarify the manner of exemption

from, or to bring the Award into compliance with, Section 409A of the Code; or (D) to comply with other applicable laws or listing requirements.

(ix) Generally, to exercise such powers and to perform such acts as the Board deems necessary or expedient to promote the best interests of the Company and that are not in conflict with the provisions of the Plan or Awards.

(x) To adopt such procedures and sub-plans as are necessary or appropriate to permit participation in the Plan by Employees, Directors or Consultants who are foreign nationals or employed outside the United States (provided that Board approval will not be necessary for immaterial modifications to the Plan or any Award Agreement that are required for compliance with the laws of the relevant foreign jurisdiction).

(xi) To effect, with the consent of any adversely affected Participant, (A) the reduction of the exercise, purchase or strike price of any outstanding Stock Award; (B) the cancellation of any outstanding Stock Award and the grant in substitution therefor of a new (1) Option or SAR, (2) Restricted Stock Award, (3) Restricted Stock Unit Award, (4) Other Stock Award, (5) cash and/or (6) other valuable consideration determined by the Board, in its sole discretion, with any such substituted award (x) covering the same or a different number of shares of Common Stock as the cancelled Stock Award and (y) granted under the Plan or another equity or compensatory plan of the Company; or (C) any other action that is treated as a repricing under generally accepted accounting principles.

**(c) Delegation to Committee.**

(i) **General.** The Board may delegate some or all of the administration of the Plan to a Committee or Committees. If administration of the Plan is delegated to a Committee, the Committee will have, in connection with the administration of the Plan, the powers theretofore possessed by the Board that have been delegated to the Committee, including the power to delegate to a subcommittee of the Committee any of the administrative powers the Committee is authorized to exercise (and references in this Plan to the Board will thereafter be to the Committee or subcommittee, as applicable). Any delegation of administrative powers will be reflected in resolutions, not inconsistent with the provisions of the Plan, adopted from time to time by the Board or Committee (as applicable). The Board may retain the authority to concurrently administer the Plan with the Committee and may, at any time, revert in the Board some or all of the powers previously delegated.

(ii) **Section 162(m) and Rule 16b-3 Compliance.** The Committee may consist solely of two or more Outside Directors, in accordance with Section 162(m) of the Code, or solely of two or more Non-Employee Directors, in accordance with Rule 16b-3.

(d) **Delegation to an Officer.** To the extent permissible under applicable law, the Board may delegate to one (1) or more Officers the authority to do one or both of the following (i) designate Employees who are not Officers to be recipients of Options and SARs (and, to the extent permitted by applicable law, other Stock Awards) and, to the extent permitted by applicable law, the terms of such Awards, and (ii) determine the number of shares of Common Stock to be subject to such Stock Awards granted to such Employees; *provided, however*, that the Board resolutions regarding such delegation will specify the total number of shares of Common Stock that may be subject to the Stock Awards granted by such Officer and that such Officer may not grant a Stock Award to himself or herself. Any such Stock Awards will be granted on the form of Stock Award Agreement most recently approved for use by the Committee or the Board, unless otherwise provided in the resolutions approving the delegation authority. The Board may not delegate authority to an Officer who is acting solely in the capacity of an Officer (and not also as a Director) to determine the Fair Market Value pursuant to Section 13(y)(iii) below.

(e) **Effect of Board's Decision.** All determinations, interpretations and constructions made by the Board in good faith will not be subject to review by any person and will be final, binding and conclusive on all persons.

### 3. SHARES SUBJECT TO THE PLAN.

**(a) Share Reserve.** Subject to Section 9(a) relating to Capitalization Adjustments, and the following sentence regarding the annual increase, the aggregate number of shares of Common Stock that may be issued pursuant to Stock Awards will not exceed 1,119,740 shares (the “*Share Reserve*”), which number is the sum of (i) an additional 100,000 new shares approved by the Board of Directors in April 2016 and subsequently approved by the Company’s shareholders in June 2016, (iii) an additional 800,000 new shares approved by the Board of Directors in June 2017 and subsequently approved by the Company’s shareholders in September 2017 *plus* (iii) the number of shares subject to the 2013 Plan’s Available Reserve, *plus* (iii) the number of shares that are Returning Shares, as such shares become available from time to time.

In addition, the Share Reserve will automatically increase on January 1<sup>st</sup> of each year, for a period of not more than ten years, commencing on January 1<sup>st</sup> of the year following the year in which the Effective Date occurs and ending on (and including) January 1, 2026, in an amount equal to 5% of the total number of shares of Capital Stock outstanding on December 31<sup>st</sup> of the preceding calendar year. Notwithstanding the foregoing, the Board may act prior to January 1<sup>st</sup> of a given year to provide that there will be no January 1<sup>st</sup> increase in the Share Reserve for such year or that the increase in the Share Reserve for such year will be a lesser number of shares of Common Stock than would otherwise occur pursuant to the preceding sentence.

For clarity, the Share Reserve in this Section 3(a) is a limitation on the number of shares of Common Stock that may be issued pursuant to the Plan. Accordingly, this Section 3(a) does not limit the granting of Stock Awards except as provided in Section 7(a). Shares may be issued in connection with a merger or acquisition as permitted by NASDAQ Listing Rule 5635(c), NYSE Listed Company Manual Section 303A.08, AMEX Company Guide Section 711 or other applicable rule, and such issuance will not reduce the number of shares available for issuance under the Plan.

**(b) Reversion of Shares to the Share Reserve.** If a Stock Award or any portion thereof (i) expires or otherwise terminates without all of the shares covered by such Stock Award having been issued or (ii) is settled in cash (*i.e.*, the Participant receives cash rather than stock), such expiration, termination or settlement will not reduce (or otherwise offset) the number of shares of Common Stock that may be available for issuance under the Plan. If any shares of Common Stock issued pursuant to a Stock Award are forfeited back to or repurchased by the Company because of the failure to meet a contingency or condition required to vest such shares in the Participant, then the shares that are forfeited or repurchased will revert to and again become available for issuance under the Plan. Any shares reacquired by the Company in satisfaction of tax withholding obligations on a Stock Award or as consideration for the exercise or purchase price of a Stock Award will again become available for issuance under the Plan.

**(c) Incentive Stock Option Limit.** Subject to the provisions of Section 9(a) relating to Capitalization Adjustments, the aggregate maximum number of shares of Common Stock that may be issued pursuant to the exercise of Incentive Stock Options will be 2,474,600 shares of Common Stock.

**(d) Section 162(m) Limitations.** Subject to the provisions of Section 9(a) relating to Capitalization Adjustments, at such time as the Company may be subject to the applicable provisions of Section 162(m) of the Code, the following limitations shall apply.

**(i)** A maximum of 1,000,000 shares of Common Stock subject to Options, SARs and Other Stock Awards whose value is determined by reference to an increase over an exercise or strike price of at least 100% of the Fair Market Value on the date the Stock Award is granted may be granted to any one Participant during any one calendar year. Notwithstanding the foregoing, if any additional Options, SARs or Other Stock Awards whose value is determined by reference to an increase over an exercise or strike price of at least 100% of the Fair Market Value on the date the Stock Award are granted to any Participant during any calendar year, compensation attributable to the exercise of such additional Stock Awards will not satisfy the requirements to be considered “qualified performance-based compensation” under Section 162(m) of the Code unless such additional Stock Award is approved by the Company’s shareholders.

(ii) A maximum of 1,000,000 shares of Common Stock subject to Performance Stock Awards may be granted to any one Participant during any one calendar year (whether the grant, vesting or exercise is contingent upon the attainment during the Performance Period of the Performance Goals).

(iii) A maximum of \$2,000,000 may be granted as a Performance Cash Award to any one Participant during any one calendar year.

**(e) Limitation on Grants to Non-Employee Directors.** The (i) maximum number of shares of Common Stock subject to Stock Awards granted under the Plan or otherwise during any one calendar year (beginning with the 2016 calendar year) to any Non-Employee Director, taken together with the (ii) cash fees paid by the Company to such Non-Employee Director during such calendar year, and in both cases for service on the Board, will not exceed \$375,000 in total value (calculating the value of any such Stock Awards based on the grant date fair value of such Stock Awards for financial reporting purposes), or, with respect to the calendar year in which a Non-Employee Director is first appointed or elected to the Board, \$783,000. The Board may make exceptions to the applicable limit in this Section 3(e) for individual Non-Employee Directors in extraordinary circumstances (for example, to compensate such individual for interim service in the capacity of an officer of the Company), as the Board may determine in its discretion, provided that the Non-Employee Director receiving such additional compensation may not participate in the decision to award such compensation.

**(f) Source of Shares.** The stock issuable under the Plan will be shares of authorized but unissued or reacquired Common Stock, including shares repurchased by the Company on the open market or otherwise.

#### 4. ELIGIBILITY.

**(a) Eligibility for Specific Stock Awards.** Incentive Stock Options may be granted only to employees of the Company or a “parent corporation” or “subsidiary corporation” thereof (as such terms are defined in Sections 424(e) and 424(f) of the Code). Stock Awards other than Incentive Stock Options may be granted to Employees, Directors and Consultants; *provided, however*, that Stock Awards may not be granted to Employees, Directors and Consultants who are providing Continuous Service only to any “parent” of the Company, as such term is defined in Rule 405 of the Securities Act, unless (i) the stock underlying such Stock Awards is treated as “service recipient stock” under Section 409A of the Code (for example, because the Stock Awards are granted pursuant to a corporate transaction such as a spin off transaction), (ii) the Company, in consultation with its legal counsel, has determined that such Stock Awards are otherwise exempt from Section 409A of the Code, or (iii) the Company, in consultation with its legal counsel, has determined that such Stock Awards comply with the distribution requirements of Section 409A of the Code.

**(b) Ten Percent Shareholders.** A Ten Percent Shareholder will not be granted an Incentive Stock Option unless the exercise price of such Option is at least 110% of the Fair Market Value on the date of grant and the Option is not exercisable after the expiration of five years from the date of grant.

#### 5. PROVISIONS RELATING TO OPTIONS AND STOCK APPRECIATION RIGHTS.

Each Option or SAR will be in such form and will contain such terms and conditions as the Board deems appropriate. All Options will be separately designated Incentive Stock Options or Nonstatutory Stock Options at the time of grant, and, if certificates are issued, a separate certificate or certificates will be issued for shares of Common Stock purchased on exercise of each type of Option. If an Option is not specifically designated as an Incentive Stock Option, or if an Option is designated as an Incentive Stock Option but some portion or all of the Option fails to qualify as an Incentive Stock Option under the applicable rules, then the Option (or portion thereof) will be a Nonstatutory Stock Option. The provisions of separate Options or SARs need not be identical; *provided, however*, that each Award Agreement will conform to (through incorporation of provisions hereof by reference in the applicable Award Agreement or otherwise) the substance of each of the following provisions:

**(a) Term.** Subject to the provisions of Section 4(b) regarding Ten Percent Shareholders, no Option or SAR will be exercisable after the expiration of ten years from the date of its grant or such shorter period specified in the Award Agreement.

**(b) Exercise Price.** Subject to the provisions of Section 4(b) regarding Ten Percent Shareholders, the exercise or strike price of each Option or SAR will be not less than 100% of the Fair Market Value of the Common Stock subject to the Option or SAR on the date the Award is granted. Notwithstanding the foregoing, an Option or SAR may be granted with an exercise or strike price lower than 100% of the Fair Market Value of the Common Stock subject to the Award if such Award is granted pursuant to an assumption of or substitution for another option or stock appreciation right pursuant to a Corporate Transaction and in a manner consistent with the provisions of Section 409A of the Code and, if applicable, Section 424(a) of the Code. Each SAR will be denominated in shares of Common Stock equivalents.

**(c) Purchase Price for Options.** The purchase price of Common Stock acquired pursuant to the exercise of an Option may be paid, to the extent permitted by applicable law and as determined by the Board in its sole discretion, by any combination of the methods of payment set forth below. The Board will have the authority to grant Options that do not permit all of the following methods of payment (or otherwise restrict the ability to use certain methods) and to grant Options that require the consent of the Company to use a particular method of payment. The permitted methods of payment are as follows:

(i) by cash, check, bank draft or money order payable to the Company;

(ii) pursuant to a program developed under Regulation T as promulgated by the Federal Reserve Board that, prior to the issuance of the stock subject to the Option, results in either the receipt of cash (or check) by the Company or the receipt of irrevocable instructions to pay the aggregate exercise price to the Company from the sales proceeds;

(iii) by delivery to the Company (either by actual delivery or attestation) of shares of Common Stock;

(iv) if an Option is a Nonstatutory Stock Option, by a “net exercise” arrangement pursuant to which the Company will reduce the number of shares of Common Stock issuable upon exercise by the largest whole number of shares with a Fair Market Value that does not exceed the aggregate exercise price; *provided, however*, that the Company will accept a cash or other payment from the Participant to the extent of any remaining balance of the aggregate exercise price not satisfied by such reduction in the number of whole shares to be issued. Shares of Common Stock will no longer be subject to an Option and will not be exercisable thereafter to the extent that (A) shares issuable upon exercise are used to pay the exercise price pursuant to the “net exercise,” (B) shares are delivered to the Participant as a result of such exercise, and (C) shares are withheld to satisfy tax withholding obligations; or

(v) in any other form of legal consideration that may be acceptable to the Board and specified in the applicable Award Agreement.

**(d) Exercise and Payment of a SAR.** To exercise any outstanding SAR, the Participant must provide written notice of exercise to the Company in compliance with the provisions of the Stock Appreciation Right Agreement evidencing such SAR. The appreciation distribution payable on the exercise of a SAR will be not greater than an amount equal to the excess of (A) the aggregate Fair Market Value (on the date of the exercise of the SAR) of a number of shares of Common Stock equal to the number of Common Stock equivalents in which the Participant is vested under such SAR, and with respect to which the Participant is exercising the SAR on such date, over (B) the aggregate strike price of the number of Common Stock equivalents with respect to which the Participant is exercising the SAR on such date. The appreciation distribution may be paid in Common Stock, in cash, in any combination of the two or in any other form of consideration, as determined by the Board and contained in the Award Agreement evidencing such SAR.

**(e) Transferability of Options and SARs.** The Board may, in its sole discretion, impose such limitations on the transferability of Options and SARs as the Board will determine. In the absence of such a determination by the Board to the contrary, the following restrictions on the transferability of Options and SARs will apply:

**(i) Restrictions on Transfer.** An Option or SAR will not be transferable except by will or by the laws of descent and distribution (or pursuant to subsections (ii) and (iii) below), and will be exercisable during the lifetime of the Participant only by the Participant. The Board may permit transfer of the Option or SAR in a manner that is not prohibited by applicable tax and securities laws. Except as explicitly provided in the Plan, neither an Option nor a SAR may be transferred for consideration.

**(ii) Domestic Relations Orders.** Subject to the approval of the Board or a duly authorized Officer, an Option or SAR may be transferred pursuant to the terms of a domestic relations order, official marital settlement agreement or other divorce or separation instrument as permitted by Treasury Regulations Section 1.421-1(b)(2). If an Option is an Incentive Stock Option, such Option may be deemed to be a Nonstatutory Stock Option as a result of such transfer.

**(iii) Beneficiary Designation.** Subject to the approval of the Board or a duly authorized Officer, a Participant may, by delivering written notice to the Company, in a form approved by the Company (or the designated broker), designate a third party who, on the death of the Participant, will thereafter be entitled to exercise the Option or SAR and receive the Common Stock or other consideration resulting from such exercise. In the absence of such a designation, upon the death of the Participant, the executor or administrator of the Participant's estate will be entitled to exercise the Option or SAR and receive the Common Stock or other consideration resulting from such exercise. However, the Company may prohibit designation of a beneficiary at any time, including due to any conclusion by the Company that such designation would be inconsistent with the provisions of applicable laws.

**(f) Vesting Generally.** The total number of shares of Common Stock subject to an Option or SAR may vest and become exercisable in periodic installments that may or may not be equal. The Option or SAR may be subject to such other terms and conditions on the time or times when it may or may not be exercised (which may be based on the satisfaction of Performance Goals or other criteria) as the Board may deem appropriate. The vesting provisions of individual Options or SARs may vary. The provisions of this Section 5(f) are subject to any Option or SAR provisions governing the minimum number of shares of Common Stock as to which an Option or SAR may be exercised.

**(g) Termination of Continuous Service.** Except as otherwise provided in the applicable Award Agreement or other agreement between the Participant and the Company, if a Participant's Continuous Service terminates (other than for Cause and other than upon the Participant's death or Disability), the Participant may exercise his or her Option or SAR (to the extent that the Participant was entitled to exercise such Award as of the date of termination of Continuous Service) within the period of time ending on the earlier of (i) the date three months following the termination of the Participant's Continuous Service (or such longer or shorter period specified in the applicable Award Agreement), and (ii) the expiration of the term of the Option or SAR as set forth in the Award Agreement. If, after termination of Continuous Service, the Participant does not exercise his or her Option or SAR (as applicable) within the applicable time frame, the Option or SAR will terminate.

**(h) Extension of Termination Date.** If the exercise of an Option or SAR following the termination of the Participant's Continuous Service (other than for Cause and other than upon the Participant's death or Disability) would be prohibited at any time solely because the issuance of shares of Common Stock would violate the registration requirements under the Securities Act, then the Option or SAR will terminate on the earlier of (i) the expiration of a total period of time (that need not be consecutive) equal to the applicable post termination exercise period after the termination of the Participant's Continuous Service during which the exercise of the Option or SAR would not be in violation of such registration requirements, and (ii) the expiration of the term of the Option or SAR as set forth in the applicable Award Agreement. In addition, unless otherwise provided in a Participant's Award Agreement, if the sale

of any Common Stock received on exercise of an Option or SAR following the termination of the Participant's Continuous Service (other than for Cause) would violate the Company's insider trading policy, then the Option or SAR will terminate on the earlier of (i) the expiration of a period of months (that need not be consecutive) equal to the applicable post-termination exercise period after the termination of the Participant's Continuous Service during which the sale of the Common Stock received upon exercise of the Option or SAR would not be in violation of the Company's insider trading policy, or (ii) the expiration of the term of the Option or SAR as set forth in the applicable Award Agreement.

**(i) Disability of Participant.** Except as otherwise provided in the applicable Award Agreement or other agreement between the Participant and the Company, if a Participant's Continuous Service terminates as a result of the Participant's Disability, the Participant may exercise his or her Option or SAR (to the extent that the Participant was entitled to exercise such Option or SAR as of the date of termination of Continuous Service), but only within such period of time ending on the earlier of (i) the date 12 months following such termination of Continuous Service (or such longer or shorter period specified in the Award Agreement), and (ii) the expiration of the term of the Option or SAR as set forth in the Award Agreement. If, after termination of Continuous Service, the Participant does not exercise his or her Option or SAR within the applicable time frame, the Option or SAR (as applicable) will terminate.

**(j) Death of Participant.** Except as otherwise provided in the applicable Award Agreement or other agreement between the Participant and the Company, if (i) a Participant's Continuous Service terminates as a result of the Participant's death, or (ii) the Participant dies within the period (if any) specified in the Award Agreement for exercisability after the termination of the Participant's Continuous Service for a reason other than death, then the Option or SAR may be exercised (to the extent the Participant was entitled to exercise such Option or SAR as of the date of death) by the Participant's estate, by a person who acquired the right to exercise the Option or SAR by bequest or inheritance or by a person designated to exercise the Option or SAR upon the Participant's death, but only within the period ending on the earlier of (i) the date 18 months following the date of death (or such longer or shorter period specified in the Award Agreement), and (ii) the expiration of the term of such Option or SAR as set forth in the Award Agreement. If, after the Participant's death, the Option or SAR is not exercised within the applicable time frame, the Option or SAR (as applicable) will terminate.

**(k) Termination for Cause.** Except as explicitly provided otherwise in a Participant's Award Agreement or other individual written agreement between the Company or any Affiliate and the Participant, if a Participant's Continuous Service is terminated for Cause, the Option or SAR will terminate immediately upon such Participant's termination of Continuous Service, and the Participant will be prohibited from exercising his or her Option or SAR from and after the time of such termination of Continuous Service.

**(l) Non-Exempt Employees.** If an Option or SAR is granted to an Employee who is a non-exempt employee for purposes of the Fair Labor Standards Act of 1938, as amended, the Option or SAR will not be first exercisable for any shares of Common Stock until at least six months following the date of grant of the Option or SAR (although the Award may vest prior to such date). Consistent with the provisions of the Worker Economic Opportunity Act, (i) if such non-exempt Employee dies or suffers a Disability, (ii) upon a Corporate Transaction in which such Option or SAR is not assumed, continued, or substituted, (iii) upon a Change in Control, or (iv) upon the Participant's retirement (as such term may be defined in the Participant's Award Agreement in another agreement between the Participant and the Company, or, if no such definition, in accordance with the Company's then current employment policies and guidelines), the vested portion of any Options and SARs may be exercised earlier than six months following the date of grant. The foregoing provision is intended to operate so that any income derived by a non-exempt employee in connection with the exercise or vesting of an Option or SAR will be exempt from his or her regular rate of pay. To the extent permitted and/or required for compliance with the Worker Economic Opportunity Act to ensure that any income derived by a non-exempt employee in connection with the exercise, vesting or issuance of any shares under any other Stock Award will be exempt from the employee's regular rate of pay, the provisions of this Section 5(l) will apply to all Stock Awards and are hereby incorporated by reference into such Stock Award Agreements.

## 6. PROVISIONS OF STOCK AWARDS OTHER THAN OPTIONS AND SARs.

**(a) Restricted Stock Awards.** Each Restricted Stock Award Agreement will be in such form and will contain such terms and conditions as the Board will deem appropriate. To the extent consistent with the Company's bylaws, at the Board's election, shares of Common Stock may be (x) held in book entry form subject to the Company's instructions until any restrictions relating to the Restricted Stock Award lapse; or (y) evidenced by a certificate, which certificate will be held in such form and manner as determined by the Board. The terms and conditions of Restricted Stock Award Agreements may change from time to time, and the terms and conditions of separate Restricted Stock Award Agreements need not be identical. Each Restricted Stock Award Agreement will conform to (through incorporation of the provisions hereof by reference in the agreement or otherwise) the substance of each of the following provisions:

**(i) Consideration.** A Restricted Stock Award may be awarded in consideration for (A) cash, check, bank draft or money order payable to the Company, (B) past services to the Company or an Affiliate, or (C) any other form of legal consideration that may be acceptable to the Board, in its sole discretion, and permissible under applicable law.

**(ii) Vesting.** Shares of Common Stock awarded under the Restricted Stock Award Agreement may be subject to forfeiture to the Company in accordance with a vesting schedule to be determined by the Board.

**(iii) Termination of Participant's Continuous Service.** If a Participant's Continuous Service terminates, the Company may receive through a forfeiture condition or a repurchase right any or all of the shares of Common Stock held by the Participant that have not vested as of the date of termination of Continuous Service under the terms of the Restricted Stock Award Agreement.

**(iv) Transferability.** Rights to acquire shares of Common Stock under the Restricted Stock Award Agreement will be transferable by the Participant only upon such terms and conditions as are set forth in the Restricted Stock Award Agreement, as the Board will determine in its sole discretion, so long as Common Stock awarded under the Restricted Stock Award Agreement remains subject to the terms of the Restricted Stock Award Agreement.

**(v) Dividends.** A Restricted Stock Award Agreement may provide that any dividends paid on Restricted Stock will be subject to the same vesting and forfeiture restrictions as apply to the shares subject to the Restricted Stock Award to which they relate.

**(b) Restricted Stock Unit Awards.** Each Restricted Stock Unit Award Agreement will be in such form and will contain such terms and conditions as the Board will deem appropriate. The terms and conditions of Restricted Stock Unit Award Agreements may change from time to time, and the terms and conditions of separate Restricted Stock Unit Award Agreements need not be identical. Each Restricted Stock Unit Award Agreement will conform to (through incorporation of the provisions hereof by reference in the Agreement or otherwise) the substance of each of the following provisions:

**(i) Consideration.** At the time of grant of a Restricted Stock Unit Award, the Board will determine the consideration, if any, to be paid by the Participant upon delivery of each share of Common Stock subject to the Restricted Stock Unit Award. The consideration to be paid (if any) by the Participant for each share of Common Stock subject to a Restricted Stock Unit Award may be paid in any form of legal consideration that may be acceptable to the Board, in its sole discretion, and permissible under applicable law.

**(ii) Vesting.** At the time of the grant of a Restricted Stock Unit Award, the Board may impose such restrictions on or conditions to the vesting of the Restricted Stock Unit Award as it, in its sole discretion, deems appropriate.

**(iii) Payment.** A Restricted Stock Unit Award may be settled by the delivery of shares of Common Stock, their cash equivalent, any combination thereof or in any other form of consideration, as determined by the Board and contained in the Restricted Stock Unit Award Agreement.

**(iv) Additional Restrictions.** At the time of the grant of a Restricted Stock Unit Award, the Board, as it deems appropriate, may impose such restrictions or conditions that delay the delivery of the

shares of Common Stock (or their cash equivalent) subject to a Restricted Stock Unit Award to a time after the vesting of such Restricted Stock Unit Award.

**(v) Dividend Equivalents.** Dividend equivalents may be credited in respect of shares of Common Stock covered by a Restricted Stock Unit Award, as determined by the Board and contained in the Restricted Stock Unit Award Agreement. At the sole discretion of the Board, such dividend equivalents may be converted into additional shares of Common Stock covered by the Restricted Stock Unit Award in such manner as determined by the Board. Any additional shares covered by the Restricted Stock Unit Award credited by reason of such dividend equivalents will be subject to all of the same terms and conditions of the underlying Restricted Stock Unit Award Agreement to which they relate.

**(vi) Termination of Participant's Continuous Service.** Except as otherwise provided in the applicable Restricted Stock Unit Award Agreement, such portion of the Restricted Stock Unit Award that has not vested will be forfeited upon the Participant's termination of Continuous Service.

**(c) Performance Awards.**

**(i) Performance Stock Awards.** A Performance Stock Award is a Stock Award (covering a number of shares not in excess of that set forth in Section 3(d) above) that is payable (including that may be granted, may vest or may be exercised) contingent upon the attainment during a Performance Period of certain Performance Goals. A Performance Stock Award may, but need not, require the Participant's completion of a specified period of Continuous Service. The length of any Performance Period, the Performance Goals to be achieved during the Performance Period, and the measure of whether and to what degree such Performance Goals have been attained will be conclusively determined by the Committee (or, if not required for compliance with Section 162(m) of the Code, the Board), in its sole discretion. In addition, to the extent permitted by applicable law and the applicable Award Agreement, the Board may determine that cash may be used in payment of Performance Stock Awards.

**(ii) Performance Cash Awards.** A Performance Cash Award is a cash award (for a dollar value not in excess of that set forth in Section 3(d) above) that is payable contingent upon the attainment during a Performance Period of certain Performance Goals. A Performance Cash Award may also require the completion of a specified period of Continuous Service. At the time of grant of a Performance Cash Award, the length of any Performance Period, the Performance Goals to be achieved during the Performance Period, and the measure of whether and to what degree such Performance Goals have been attained will be conclusively determined by the Committee (or, if not required for compliance with Section 162(m) of the Code, the Board), in its sole discretion. The Board may specify the form of payment of Performance Cash Awards, which may be cash or other property, or may provide for a Participant to have the option for his or her Performance Cash Award, or such portion thereof as the Board may specify, to be paid in whole or in part in cash or other property.

**(iii) Board Discretion.** The Board retains the discretion to reduce or eliminate the compensation or economic benefit due upon attainment of Performance Goals and to define the manner of calculating the Performance Criteria it selects to use for a Performance Period. Partial achievement of the specified criteria may result in the payment or vesting corresponding to the degree of achievement as specified in the Stock Award Agreement or the written terms of a Performance Cash Award.

**(iv) Section 162(m) Compliance.** Unless otherwise permitted in compliance with the requirements of Section 162(m) of the Code with respect to an Award intended to qualify as "performance-based compensation" thereunder, the Committee will establish the Performance Goals applicable to, and the formula for calculating the amount payable under, the Award no later than the earlier of (a) the date 90 days after the commencement of the applicable Performance Period, and (b) the date on which 25% of the Performance Period has elapsed, and in any event at a time when the achievement of the applicable Performance Goals remains substantially uncertain. Prior to the payment of any compensation under an Award intended to qualify as "performance-based compensation" under

Section 162(m) of the Code, the Committee will certify the extent to which any Performance Goals and any other material terms under such Award have been satisfied (other than in cases where such Performance Goals relate solely to the increase in the value of the Common Stock). Notwithstanding satisfaction of, or completion of any Performance Goals, the number of shares of Common Stock, Options, cash or other benefits granted, issued, retainable and/or vested under an Award on account of satisfaction of such Performance Goals may be reduced by the Committee on the basis of such further considerations as the Committee, in its sole discretion, will determine.

**(d) Other Stock Awards.** Other forms of Stock Awards valued in whole or in part by reference to, or otherwise based on, Common Stock, including the appreciation in value thereof (e.g., options or stock rights with an exercise price or strike price less than 100% of the Fair Market Value of the Common Stock at the time of grant) may be granted either alone or in addition to Stock Awards provided for under Section 5 and the preceding provisions of this Section 6. Subject to the provisions of the Plan, the Board will have sole and complete authority to determine the persons to whom and the time or times at which such Other Stock Awards will be granted, the number of shares of Common Stock (or the cash equivalent thereof) to be granted pursuant to such Other Stock Awards and all other terms and conditions of such Other Stock Awards.

## 7. COVENANTS OF THE COMPANY.

**(a) Availability of Shares.** The Company will keep available at all times the number of shares of Common Stock reasonably required to satisfy then-outstanding Awards.

**(b) Securities Law Compliance.** The Company will seek to obtain from each regulatory commission or agency having jurisdiction over the Plan such authority as may be required to grant Stock Awards and to issue and sell shares of Common Stock upon exercise of the Stock Awards; *provided, however*, that this undertaking will not require the Company to register under the Securities Act the Plan, any Stock Award or any Common Stock issued or issuable pursuant to any such Stock Award. If, after reasonable efforts and at a reasonable cost, the Company is unable to obtain from any such regulatory commission or agency the authority that counsel for the Company deems necessary for the lawful issuance and sale of Common Stock under the Plan, the Company will be relieved from any liability for failure to issue and sell Common Stock upon exercise of such Stock Awards unless and until such authority is obtained. A Participant will not be eligible for the grant of an Award or the subsequent issuance of cash or Common Stock pursuant to the Award if such grant or issuance would be in violation of any applicable securities law.

**(c) No Obligation to Notify or Minimize Taxes.** The Company will have no duty or obligation to any Participant to advise such holder as to the time or manner of exercising such Stock Award. Furthermore, the Company will have no duty or obligation to warn or otherwise advise such holder of a pending termination or expiration of an Award or a possible period in which the Award may not be exercised. The Company has no duty or obligation to minimize the tax consequences of an Award to the holder of such Award.

## 8. MISCELLANEOUS.

**(a) Use of Proceeds from Sales of Common Stock.** Proceeds from the sale of shares of Common Stock pursuant to Awards will constitute general funds of the Company.

**(b) Corporate Action Constituting Grant of Awards.** Corporate action constituting a grant by the Company of an Award to any Participant will be deemed completed as of the date of such corporate action, unless otherwise determined by the Board, regardless of when the instrument, certificate, or letter evidencing the Award is communicated to, or actually received or accepted by, the Participant. In the event that the corporate records (e.g., Board consents, resolutions or minutes) documenting the corporate action constituting the grant contain terms (e.g., exercise price, vesting schedule or number of shares) that are inconsistent with those in the Award Agreement or related grant documents as a result of a clerical error in the papering of the Award Agreement or related grant documents, the corporate records will control and the Participant will have no legally binding right to the incorrect term in the Award Agreement or related grant documents.

**(c) Shareholder Rights.** No Participant will be deemed to be the holder of, or to have any of the rights of a holder with respect to, any shares of Common Stock subject to an Award unless and until (i) such Participant has satisfied all requirements for exercise of, or the issuance of shares of Common Stock under, the Award pursuant to its terms, and (ii) the issuance of the Common Stock subject to such Award has been entered into the books and records of the Company.

**(d) No Employment or Other Service Rights.** Nothing in the Plan, any Award Agreement or any other instrument executed thereunder or in connection with any Award granted pursuant thereto will confer upon any Participant any right to continue to serve the Company or an Affiliate in the capacity in effect at the time the Award was granted or will affect the right of the Company or an Affiliate to terminate (i) the employment of an Employee with or without notice and with or without cause, (ii) the service of a Consultant pursuant to the terms of such Consultant's agreement with the Company or an Affiliate, or (iii) the service of a Director pursuant to the bylaws of the Company or an Affiliate, and any applicable provisions of the corporate law of the state in which the Company or the Affiliate is incorporated, as the case may be.

**(e) Change in Time Commitment.** In the event a Participant's regular level of time commitment in the performance of his or her services for the Company and any Affiliates is reduced (for example, and without limitation, if the Participant is an Employee of the Company and the Employee has a change in status from a full-time Employee to a part-time Employee or takes an extended leave of absence) after the date of grant of any Award to the Participant, the Board has the right in its sole discretion to (x) make a corresponding reduction in the number of shares or cash amount subject to any portion of such Award that is scheduled to vest or become payable after the date of such change in time commitment, and (y) in lieu of or in combination with such a reduction, extend the vesting or payment schedule applicable to such Award. In the event of any such reduction, the Participant will have no right with respect to any portion of the Award that is so reduced or extended.

**(f) Incentive Stock Option Limitations.** To the extent that the aggregate Fair Market Value (determined at the time of grant) of Common Stock with respect to which Incentive Stock Options are exercisable for the first time by any Optionholder during any calendar year (under all plans of the Company and any Affiliates) exceeds \$100,000 (or such other limit established in the Code) or otherwise does not comply with the rules governing Incentive Stock Options, the Options or portions thereof that exceed such limit (according to the order in which they were granted) or otherwise do not comply with such rules will be treated as Nonstatutory Stock Options, notwithstanding any contrary provision of the applicable Option Agreement(s).

**(g) Investment Assurances.** The Company may require a Participant, as a condition of exercising or acquiring Common Stock under any Award, (i) to give written assurances satisfactory to the Company as to the Participant's knowledge and experience in financial and business matters and/or to employ a purchaser representative reasonably satisfactory to the Company who is knowledgeable and experienced in financial and business matters and that such Participant is capable of evaluating, alone or together with the purchaser representative, the merits and risks of exercising the Award; and (ii) to give written assurances satisfactory to the Company stating that the Participant is acquiring Common Stock subject to the Award for the Participant's own account and not with any present intention of selling or otherwise distributing the Common Stock. The foregoing requirements, and any assurances given pursuant to such requirements, will be inoperative if (A) the issuance of the shares upon the exercise or acquisition of Common Stock under the Award has been registered under a then currently effective registration statement under the Securities Act, or (B) as to any particular requirement, a determination is made by counsel for the Company that such requirement need not be met in the circumstances under the then applicable securities laws. The Company may, upon advice of counsel to the Company, place legends on stock certificates issued under the Plan as such counsel deems necessary or appropriate in order to comply with applicable securities laws, including, but not limited to, legends restricting the transfer of the Common Stock.

**(h) Withholding Obligations.** Unless prohibited by the terms of an Award Agreement, the Company may, in its sole discretion, satisfy any federal, state or local tax withholding obligation relating to an

Award by any of the following means or by a combination of such means: (i) causing the Participant to tender a cash payment; (ii) withholding shares of Common Stock from the shares of Common Stock issued or otherwise issuable to the Participant in connection with the Award; *provided, however*, that no shares of Common Stock are withheld with a value exceeding the minimum amount of tax required to be withheld by law (or such lesser amount as may be necessary to avoid classification of the Stock Award as a liability for financial accounting purposes); (iii) withholding cash from an Award settled in cash; (iv) withholding payment from any amounts otherwise payable to the Participant; or (v) by such other method as may be set forth in the Award Agreement.

**(i) Electronic Delivery.** Any reference herein to a “written” agreement or document will include any agreement or document delivered electronically, filed publicly at *www.sec.gov* (or any successor website thereto) or posted on the Company’s intranet (or other shared electronic medium controlled by the Company to which the Participant has access).

**(j) Deferrals.** To the extent permitted by applicable law, the Board, in its sole discretion, may determine that the delivery of Common Stock or the payment of cash, upon the exercise, vesting or settlement of all or a portion of any Award may be deferred and may establish programs and procedures for deferral elections to be made by Participants. Deferrals by Participants will be made in accordance with Section 409A of the Code. Consistent with Section 409A of the Code, the Board may provide for distributions while a Participant is still an employee or otherwise providing services to the Company. The Board is authorized to make deferrals of Awards and determine when, and in what annual percentages, Participants may receive payments, including lump sum payments, following the Participant’s termination of Continuous Service, and implement such other terms and conditions consistent with the provisions of the Plan and in accordance with applicable law.

**(k) Compliance with Section 409A of the Code.** Unless otherwise expressly provided for in an Award Agreement, the Plan and Award Agreements will be interpreted to the greatest extent possible in a manner that makes the Plan and the Awards granted hereunder exempt from Section 409A of the Code, and, to the extent not so exempt, in compliance with Section 409A of the Code. If the Board determines that any Award granted hereunder is not exempt from and is therefore subject to Section 409A of the Code, the Award Agreement evidencing such Award will incorporate the terms and conditions necessary to avoid the consequences specified in Section 409A(a)(1) of the Code, and to the extent an Award Agreement is silent on terms necessary for compliance, such terms are hereby incorporated by reference into the Award Agreement. Notwithstanding anything to the contrary in this Plan (and unless the Award Agreement specifically provides otherwise), if the shares of Common Stock are publicly traded, and if a Participant holding an Award that constitutes “deferred compensation” under Section 409A of the Code is a “specified employee” for purposes of Section 409A of the Code, no distribution or payment of any amount that is due because of a “separation from service” (as defined in Section 409A of the Code without regard to alternative definitions thereunder) will be issued or paid before the date that is six months following the date of such Participant’s “separation from service” (as defined in Section 409A of the Code without regard to alternative definitions thereunder) or, if earlier, the date of the Participant’s death, unless such distribution or payment can be made in a manner that complies with Section 409A of the Code, and any amounts so deferred will be paid in a lump sum on the day after such six month period elapses, with the balance paid thereafter on the original schedule.

**(l) Clawback/Recovery.** All Awards granted under the Plan will be subject to recoupment in accordance with any clawback policy that the Company is required to adopt pursuant to the listing standards of any national securities exchange or association on which the Company’s securities are listed or as is otherwise required by the Dodd-Frank Wall Street Reform and Consumer Protection Act or other applicable law. In addition, the Board may impose such other clawback, recovery or recoupment provisions in an Award Agreement as the Board determines necessary or appropriate, including but not limited to a reacquisition right in respect of previously acquired shares of Common Stock or other cash or property upon the occurrence of an event constituting Cause. No recovery of compensation under such a clawback policy will be an event giving rise to a right to resign for “good reason” or “constructive termination” (or similar term) under any agreement with the Company.

## 9. ADJUSTMENTS UPON CHANGES IN COMMON STOCK; OTHER CORPORATE EVENTS.

**(a) Capitalization Adjustments.** In the event of a Capitalization Adjustment, the Board will appropriately and proportionately adjust: (i) the class(es) and maximum number of securities subject to the Plan pursuant to Section 3(a), (ii) the class(es) and maximum number of securities that may be issued pursuant to the exercise of Incentive Stock Options pursuant to Section 3(c), (iii) the class(es) and maximum number of securities that may be awarded to any person pursuant to Sections 3(d), and (iv) the class(es) and number of securities and price per share of stock subject to outstanding Stock Awards. The Board will make such adjustments, and its determination will be final, binding and conclusive.

**(b) Dissolution.** Except as otherwise provided in the Stock Award Agreement, in the event of a Dissolution of the Company, all outstanding Stock Awards (other than Stock Awards consisting of vested and outstanding shares of Common Stock not subject to a forfeiture condition or the Company's right of repurchase) will terminate immediately prior to the completion of such Dissolution, and the shares of Common Stock subject to the Company's repurchase rights or subject to a forfeiture condition may be repurchased or reacquired by the Company notwithstanding the fact that the holder of such Stock Award is providing Continuous Service; *provided, however*, that the Board may, in its sole discretion, cause some or all Stock Awards to become fully vested, exercisable and/or no longer subject to repurchase or forfeiture (to the extent such Stock Awards have not previously expired or terminated) before the Dissolution is completed but contingent on its completion.

**(c) Transactions.** The following provisions shall apply to Stock Awards in the event of a Transaction unless otherwise provided in the instrument evidencing the Stock Award or any other written agreement between the Company or any Affiliate and the Participant or unless otherwise expressly provided by the Board at the time of grant of a Stock Award. In the event of a Transaction, then, notwithstanding any other provision of the Plan, the Board shall take one or more of the following actions with respect to Stock Awards, contingent upon the closing or completion of the Transaction:

**(i)** arrange for the surviving corporation or acquiring corporation (or the surviving or acquiring corporation's parent company) to assume or continue the Stock Award or to substitute a similar stock award for the Stock Award (including, but not limited to, an award to acquire the same consideration paid to the shareholders of the Company pursuant to the Transaction);

**(ii)** arrange for the assignment of any reacquisition or repurchase rights held by the Company in respect of Common Stock issued pursuant to the Stock Award to the surviving corporation or acquiring corporation (or the surviving or acquiring corporation's parent company);

**(iii)** accelerate the vesting, in whole or in part, of the Stock Award (and, if applicable, the time at which the Stock Award may be exercised) to a date prior to the effective time of such Transaction as the Board shall determine (or, if the Board shall not determine such a date, to the date that is five days prior to the effective date of the Transaction), with such Stock Award terminating if not exercised (if applicable) at or prior to the effective time of the Transaction;

**(iv)** arrange for the lapse, in whole or in part, of any reacquisition or repurchase rights held by the Company with respect to the Stock Award;

**(v)** cancel or arrange for the cancellation of the Stock Award, to the extent not vested or not exercised prior to the effective time of the Transaction, in exchange for such cash consideration, if any, as the Board, in its sole discretion, may consider appropriate; and

**(vi)** make a payment, in such form as may be determined by the Board equal to the excess, if any, of (A) the value of the property the Participant would have received upon the exercise of the Stock Award immediately prior to the effective time of the Transaction, over (B) any exercise price payable by such holder in connection with such exercise. For clarity, this payment may be zero (\$0) if the value of the property is equal to or less than the exercise price. Payments under this provision may be delayed to the same extent that payment of consideration to the holders of Common Stock in connection with the Transaction is delayed as a result of escrows, earn outs, holdbacks or other contingencies.

The Board need not take the same action or actions with respect to all Stock Awards or portions thereof or with respect to all Participants. The Board may take different actions with respect to the vested and unvested portions of a Stock Award.

**(d) Change in Control.** A Stock Award may be subject to additional acceleration of vesting and exercisability upon or after a Change in Control as may be provided in the Stock Award Agreement for such Stock Award or as may be provided in any other written agreement between the Company or any Affiliate and the Participant, but in the absence of such provision, no such acceleration will occur.

#### **10. PLAN TERM; EARLIER TERMINATION OR SUSPENSION OF THE PLAN.**

The Board may suspend or terminate the Plan at any time. No Incentive Stock Options may be granted after the tenth anniversary of the earlier of (i) the date the Plan is adopted by the Board (the “*Adoption Date*”), or (ii) the date the Plan is approved by the shareholders of the Company. No Awards may be granted under the Plan while the Plan is suspended or after it is terminated. Suspension or termination of the Plan will not impair rights and obligations under any Award granted while the Plan is in effect except with the written consent of the affected Participant or as otherwise permitted in the Plan.

#### **11. EXISTENCE OF THE PLAN.**

The Plan will become effective on the Effective Date.

#### **12. CHOICE OF LAW.**

The law of the State of Delaware will govern all questions concerning the construction, validity and interpretation of this Plan, without regard to that state’s conflict of laws rules.

#### **13. DEFINITIONS.** As used in the Plan, the following definitions will apply to the capitalized terms indicated below:

**(a) “Affiliate”** means, at the time of determination, any “parent” or “subsidiary” of the Company as such terms are defined in Rule 405 of the Securities Act. The Board will have the authority to determine the time or times at which “parent” or “subsidiary” status is determined within the foregoing definition.

**(b) “Award”** means a Stock Award or a Performance Cash Award.

**(c) “Award Agreement”** means a written agreement between the Company and a Participant evidencing the terms and conditions of an Award.

**(d) “Board”** means the Board of Directors of the Company.

**(e) “Capital Stock”** means each and every class of common stock of the Company, regardless of the number of votes per share.

**(f) “Capitalization Adjustment”** means any change that is made in, or other events that occur with respect to, the Common Stock subject to the Plan or subject to any Stock Award after the Adoption Date without the receipt of consideration by the Company through merger, consolidation, reorganization, recapitalization, reincorporation, stock dividend, dividend in property other than cash, large nonrecurring cash dividend, stock split, reverse stock split, liquidating dividend, combination of shares, exchange of shares, change in corporate structure or any similar equity restructuring transaction, as that term is used in Statement of Financial Accounting Standards Board Accounting Standards Codification Topic 718 (or any successor thereto). Notwithstanding the foregoing, the conversion of any convertible securities of the Company will not be treated as a Capitalization Adjustment.

**(g) “Cause”** shall have the meaning ascribed to such term in any written agreement between the Participant and the Company defining such term and, in the absence of such agreement, such term means, with respect to a Participant, the occurrence of any of the following events: (i) such Participant’s commission of any felony or any crime involving fraud, dishonesty or moral turpitude under the laws of the United States or any state thereof; (ii) such Participant’s attempted commission of, or participation in, a fraud or act of dishonesty against the Company; (iii) such Participant’s intentional, material violation of any contract or agreement between the Participant and the Company or of any statutory duty owed to the Company; (iv) such Participant’s unauthorized use or disclosure of the Company’s confidential

information or trade secrets; or (v) such Participant's gross misconduct. The determination that a termination of the Participant's Continuous Service is either for Cause or without Cause shall be made by the Company, in its sole discretion. Any determination by the Company that the Continuous Service of a Participant was terminated with or without Cause for the purposes of outstanding Awards held by such Participant shall have no effect upon any determination of the rights or obligations of the Company or such Participant for any other purpose.

(h) "**Change in Control**" means the occurrence, in a single transaction or in a series of related transactions, of any one or more of the following events:

(i) any Exchange Act Person becomes the Owner, directly or indirectly, of securities of the Company representing more than 50% of the combined voting power of the Company's then outstanding securities other than by virtue of a merger, consolidation or similar transaction. Notwithstanding the foregoing, a Change in Control will not be deemed to occur (A) on account of the acquisition of securities of the Company directly from the Company, (B) on account of the acquisition of securities of the Company by an investor, any affiliate thereof or any other Exchange Act Person that acquires the Company's securities in a transaction or series of related transactions the primary purpose of which is to obtain financing for the Company through the issuance of equity securities, (C) on account of the acquisition of securities of the Company by any individual who is, on the Adoption Date, either an executive officer or a Director (either, a "**Legacy Investor**") and/or any entity in which a Legacy Investor has a direct or indirect interest (whether in the form of voting rights or participation in profits or capital contributions) of more than 50% (collectively, the "**Legacy Entities**") or on account of the Legacy Entities continuing to hold shares that come to represent more than 50% of the combined voting power of the Company's then outstanding securities as a result of the conversion of any class of the Company's securities into another class of the Company's securities having a different number of votes per share pursuant to the conversion provisions set forth in the Company's Amended and Restated Certificate of Incorporation; or (D) solely because the level of Ownership held by any Exchange Act Person (the "**Subject Person**") exceeds the designated percentage threshold of the outstanding voting securities as a result of a repurchase or other acquisition of voting securities by the Company reducing the number of shares outstanding, provided that if a Change in Control would occur (but for the operation of this sentence) as a result of the acquisition of voting securities by the Company, and after such share acquisition, the Subject Person becomes the Owner of any additional voting securities that, assuming the repurchase or other acquisition had not occurred, increases the percentage of the then outstanding voting securities Owned by the Subject Person over the designated percentage threshold, then a Change in Control will be deemed to occur;

(ii) there is consummated a merger, consolidation or similar transaction involving (directly or indirectly) the Company and, immediately after the consummation of such merger, consolidation or similar transaction, the shareholders of the Company immediately prior thereto do not Own, directly or indirectly, either (A) outstanding voting securities representing more than 50% of the combined outstanding voting power of the surviving Entity in such merger, consolidation or similar transaction or (B) more than 50% of the combined outstanding voting power of the parent of the surviving Entity in such merger, consolidation or similar transaction, in each case in substantially the same proportions as their Ownership of the outstanding voting securities of the Company immediately prior to such transaction; *provided, however*, that a merger, consolidation or similar transaction will not constitute a Change in Control under this prong of the definition if the outstanding voting securities representing more than 50% of the combined voting power of the surviving Entity or its parent are owned by the Legacy Entities;

(iii) there is consummated a sale, lease, exclusive license or other disposition of all or substantially all of the consolidated assets of the Company and its Subsidiaries, other than a sale, lease, license or other disposition of all or substantially all of the consolidated assets of the Company and its Subsidiaries to an Entity, more than 50% of the combined voting power of the voting securities of which are Owned by shareholders of the Company in substantially the same proportions as their Ownership of the outstanding voting securities of the Company immediately prior to such sale,

lease, license or other disposition; *provided, however*, that a sale, lease, exclusive license or other disposition of all or substantially all of the consolidated assets of the Company and its Subsidiaries will not constitute a Change in Control under this prong of the definition if the outstanding voting securities representing more than 50% of the combined voting power of the acquiring Entity or its parent are owned by the Legacy Entities;

(iv) the shareholders of the Company approve or the Board approves a plan of complete dissolution or liquidation of the Company, or a complete dissolution or liquidation of the Company will otherwise occur, except for a liquidation into a parent corporation; or

(v) individuals who, on the date the Plan is adopted by the Board, are members of the Board (the “**Incumbent Board**”) cease for any reason to constitute at least a majority of the members of the Board; *provided, however*, that if the appointment or election (or nomination for election) of any new Board member was approved or recommended by a majority vote of the members of the Incumbent Board then still in office, such new member will, for purposes of this Plan, be considered as a member of the Incumbent Board.

Notwithstanding the foregoing definition or any other provision of the Plan, the term Change in Control will not include a sale of assets, merger or other transaction effected exclusively for the purpose of changing the domicile of the Company and the definition of Change in Control (or any analogous term) in an individual written agreement between the Company or any Affiliate and the Participant will supersede the foregoing definition with respect to Awards subject to such agreement; *provided, however*, that if no definition of Change in Control or any analogous term is set forth in such an individual written agreement, the foregoing definition will apply.

(i) “**Code**” means the Internal Revenue Code of 1986, as amended, including any applicable regulations and guidance thereunder.

(j) “**Committee**” means a committee of one or more Directors to whom authority has been delegated by the Board in accordance with Section 2(c).

(k) “**Common Stock**” means the common stock of the Company, having one vote per share.

(l) “**Company**” means AmpliPhi Biosciences Corporation.

(m) “**Consultant**” means any person, including an advisor, who is (i) engaged by the Company or an Affiliate to render consulting or advisory services and is compensated for such services, or (ii) serving as a member of the board of directors of an Affiliate and is compensated for such services. However, service solely as a Director, or payment of a fee for such service, will not cause a Director to be considered a “Consultant” for purposes of the Plan. Notwithstanding the foregoing, a person is treated as a Consultant under this Plan only if a Form S-8 Registration Statement under the Securities Act is available to register either the offer or the sale of the Company’s securities to such person.

(n) “**Continuous Service**” means that the Participant’s service with the Company or an Affiliate, whether as an Employee, Director or Consultant, is not interrupted or terminated. A change in the capacity in which the Participant renders service to the Company or an Affiliate as an Employee, Consultant or Director or a change in the entity for which the Participant renders such service, provided that there is no interruption or termination of the Participant’s service with the Company or an Affiliate, will not terminate a Participant’s Continuous Service; *provided, however*, that if the Entity for which a Participant is rendering services ceases to qualify as an Affiliate, as determined by the Board, in its sole discretion, such Participant’s Continuous Service will be considered to have terminated on the date such Entity ceases to qualify as an Affiliate. To the extent permitted by law, the Board or the chief executive officer of the Company, in that party’s sole discretion, may determine whether Continuous Service will be considered interrupted in the case of (i) any leave of absence approved by the Board or chief executive officer, including sick leave, military leave or any other personal leave, or (ii) transfers between the Company, an Affiliate, or their successors. Notwithstanding the foregoing, a leave of absence will be treated as Continuous Service for purposes of vesting in an Award only to such extent as may be

provided in the Company's leave of absence policy, in the written terms of any leave of absence agreement or policy applicable to the Participant, or as otherwise required by law.

(o) "**Corporate Transaction**" means the consummation, in a single transaction or in a series of related transactions, of any one or more of the following events:

(i) a sale or other disposition of all or substantially all, as determined by the Board, in its sole discretion, of the consolidated assets of the Company and its Subsidiaries;

(ii) a sale or other disposition of more than 50% of the outstanding securities of the Company;

(iii) a merger, consolidation or similar transaction following which the Company is not the surviving corporation; or

(iv) a merger, consolidation or similar transaction following which the Company is the surviving corporation but the shares of Common Stock outstanding immediately preceding the merger, consolidation or similar transaction are converted or exchanged by virtue of the merger, consolidation or similar transaction into other property, whether in the form of securities, cash or otherwise.

(p) "**Covered Employee**" will have the meaning provided in Section 162(m)(3) of the Code.

(q) "**Director**" means a member of the Board.

(r) "**Disability**" means, with respect to a Participant, the inability of such Participant to engage in any substantial gainful activity by reason of any medically determinable physical or mental impairment that can be expected to result in death or that has lasted or can be expected to last for a continuous period of not less than 12 months, as provided in Sections 22(e)(3) and 409A(a)(2)(c)(i) of the Code, and will be determined by the Board on the basis of such medical evidence as the Board deems warranted under the circumstances.

(s) "**Dissolution**" means when the Company, after having executed a certificate of dissolution with the State of Delaware (or other applicable state), has completely wound up its affairs. Conversion of the Company into a Limited Liability Company (or any other pass-through entity) will not be considered a "Dissolution" for purposes of the Plan.

(t) "**Effective Date**" means June 20, 2016, which is the date the Company's shareholders first approved the Plan.

(u) "**Employee**" means any person employed by the Company or an Affiliate. However, service solely as a Director, or payment of a fee for such services, will not cause a Director to be considered an "Employee" for purposes of the Plan.

(v) "**Entity**" means a corporation, partnership, limited liability company or other entity.

(w) "**Exchange Act**" means the Securities Exchange Act of 1934, as amended, and the rules and regulations promulgated thereunder.

(x) "**Exchange Act Person**" means any natural person, Entity or "group" (within the meaning of Section 13(d) or 14(d) of the Exchange Act), except that "Exchange Act Person" will not include (i) the Company or any Subsidiary of the Company, (ii) any employee benefit plan of the Company or any Subsidiary of the Company or any trustee or other fiduciary holding securities under an employee benefit plan of the Company or any Subsidiary of the Company, (iii) an underwriter temporarily holding securities pursuant to a registered public offering of such securities, (iv) an Entity Owned, directly or indirectly, by the shareholders of the Company in substantially the same proportions as their Ownership of stock of the Company; or (v) any natural person, Entity or "group" (within the meaning of Section 13(d) or 14(d) of the Exchange Act) that, as of the Effective Date, is the Owner, directly or indirectly, of securities of the Company representing more than 50% of the combined voting power of the Company's then outstanding securities.

- (y) “**Fair Market Value**” means, as of any date, the value of the Common Stock determined as follows:
- (i) If the Common Stock is listed on any established stock exchange or traded on any established market, the Fair Market Value of a share of Common Stock will be, unless otherwise determined by the Board, the closing sales price for such stock as quoted on such exchange or market (or the exchange or market with the greatest volume of trading in the Common Stock) on the date of determination, as reported in a source the Board deems reliable.
  - (ii) Unless otherwise provided by the Board, if there is no closing sales price for the Common Stock on the date of determination, then the Fair Market Value will be the closing selling price on the last preceding date for which such quotation exists.
  - (iii) In the absence of such markets for the Common Stock, the Fair Market Value will be determined by the Board in good faith and in a manner that complies with Sections 409A and 422 of the Code.
- (z) “**Incentive Stock Option**” means an option granted pursuant to Section 5 of the Plan that is intended to be, and qualifies as, an “incentive stock option” within the meaning of Section 422 of the Code.
- (aa) “**Non-Employee Director**” means a Director who either (i) is not a current employee or officer of the Company or an Affiliate, does not receive compensation, either directly or indirectly, from the Company or an Affiliate for services rendered as a consultant or in any capacity other than as a Director (except for an amount as to which disclosure would not be required under Item 404(a) of Regulation S-K promulgated pursuant to the Securities Act (“**Regulation S-K**”)), does not possess an interest in any other transaction for which disclosure would be required under Item 404(a) of Regulation S-K, and is not engaged in a business relationship for which disclosure would be required pursuant to Item 404(b) of Regulation S-K; or (ii) is otherwise considered a “non-employee director” for purposes of Rule 16b-3.
- (bb) “**Nonstatutory Stock Option**” means any Option granted pursuant to Section 5 of the Plan that does not qualify as an Incentive Stock Option.
- (cc) “**Officer**” means a person who is an officer of the Company within the meaning of Section 16 of the Exchange Act.
- (dd) “**Option**” means an Incentive Stock Option or a Nonstatutory Stock Option to purchase shares of Common Stock granted pursuant to the Plan.
- (ee) “**Option Agreement**” means a written agreement between the Company and an Optionholder evidencing the terms and conditions of an Option grant. Each Option Agreement will be subject to the terms and conditions of the Plan.
- (ff) “**Optionholder**” means a person to whom an Option is granted pursuant to the Plan or, if applicable, such other person who holds an outstanding Option.
- (gg) “**Other Stock Award**” means an award based in whole or in part by reference to the Common Stock which is granted pursuant to the terms and conditions of Section 6(d).
- (hh) “**Other Stock Award Agreement**” means a written agreement between the Company and a holder of an Other Stock Award evidencing the terms and conditions of an Other Stock Award grant. Each Other Stock Award Agreement will be subject to the terms and conditions of the Plan.
- (ii) “**Outside Director**” means a Director who either (i) is not a current employee of the Company or an “affiliated corporation” (within the meaning of Treasury Regulations promulgated under Section 162(m) of the Code), is not a former employee of the Company or an “affiliated corporation” who receives compensation for prior services (other than benefits under a tax-qualified retirement plan) during the taxable year, has not been an officer of the Company or an “affiliated corporation,” and does not receive remuneration from the Company or an “affiliated corporation,” either directly or indirectly, in any capacity other than as a Director, or (ii) is otherwise considered an “outside director” for purposes of Section 162(m) of the Code.

**(jj)** “*Own*,” “*Owned*,” “*Owner*,” “*Ownership*” means a person or Entity will be deemed to “Own,” to have “Owned,” to be the “Owner” of, or to have acquired “Ownership” of securities if such person or Entity, directly or indirectly, through any contract, arrangement, understanding, relationship or otherwise, has or shares voting power, which includes the power to vote or to direct the voting, with respect to such securities.

**(kk)** “*Participant*” means a person to whom an Award is granted pursuant to the Plan or, if applicable, such other person who holds an outstanding Stock Award.

**(ll)** “*Performance Cash Award*” means an award of cash granted pursuant to the terms and conditions of Section 6(c)(ii).

**(mm)** “*Performance Criteria*” means the one or more criteria that the Board will select for purposes of establishing the Performance Goals for a Performance Period. The Performance Criteria that will be used to establish such Performance Goals may be based on any one of, or combination of, the following as determined by the Board: (i) earnings (including earnings per share and net earnings); (ii) earnings before interest, taxes and depreciation; (iii) earnings before interest, taxes, depreciation and amortization; (iv) earnings before interest, taxes, depreciation, amortization and legal settlements; (v) earnings before interest, taxes, depreciation, amortization, legal settlements and other income (expense); (vi) earnings before interest, taxes, depreciation, amortization, legal settlements, other income (expense) and stock-based compensation; (vii) earnings before interest, taxes, depreciation, amortization, legal settlements, other income (expense), stock-based compensation and changes in deferred revenue; (viii) earnings before interest, taxes, depreciation, amortization, legal settlements, other income (expense), stock-based compensation, other non-cash expenses and changes in deferred revenue; (ix) total shareholder return; (x) return on equity or average shareholder’s equity; (xi) return on assets, investment, or capital employed; (xii) stock price; (xiii) margin (including gross margin); (xiv) income (before or after taxes); (xv) operating income; (xvi) operating income after taxes; (xvii) pre-tax profit; (xviii) operating cash flow; (xix) sales or revenue targets; (xx) increases in revenue or product revenue; (xxi) expenses and cost reduction goals; (xxii) improvement in or attainment of working capital levels; (xxiii) economic value added (or an equivalent metric); (xxiv) market share; (xxv) cash flow; (xxvi) cash flow per share; (xxvii) cash balance; (xxviii) cash burn; (xxix) cash collections; (xxx) share price performance; (xxxi) debt reduction; (xxxii) implementation or completion of projects or processes (including, without limitation, clinical trial initiation, clinical trial enrollment and dates, clinical trial results, regulatory filing submissions, regulatory filing acceptances, regulatory or advisory committee interactions, regulatory approvals, and product supply); (xxxiii) shareholders’ equity; (xxxiv) capital expenditures; (xxxv) debt levels; (xxxvi) operating profit or net operating profit; (xxxvii) workforce diversity; (xxxviii) growth of net income or operating income; (xxxix) billings; (xli) bookings; (xlii) employee retention; (xliii) initiation of studies by specific dates; (xliv) budget management; (xlv) submission to, or approval by, a regulatory body (including, but not limited to the U.S. Food and Drug Administration) of an applicable filing or a product; (xlvi) regulatory milestones; (xlvii) progress of internal research or development programs; (xlviii) acquisition of new customers; (xlviii) customer retention and/or repeat order rate; (xlix) improvements in sample and test processing times; (l) progress of partnered programs; (li) partner satisfaction; (lii) timely completion of clinical trials; (liii) submission of 510(k)s or pre-market approvals and other regulatory achievements; (liv) milestones related to research development (including, but not limited to, preclinical and clinical studies), product development and manufacturing; (lv) expansion of sales in additional geographies or markets; (lvi) research progress, including the development of programs; (lvii) strategic partnerships or transactions (including in-licensing and out-licensing of intellectual property; and (lviii) and to the extent that an Award is not intended to comply with Section 162(m) of the Code, other measures of performance selected by the Board.

**(nn)** “*Performance Goals*” means, for a Performance Period, the one or more goals established by the Board for the Performance Period based upon the Performance Criteria. Performance Goals may be based on a Company-wide basis, with respect to one or more business units, divisions, Affiliates, or business segments, and in either absolute terms or relative to the performance of one or more comparable companies or the performance of one or more relevant indices. Unless specified otherwise by the Board (i) in the Award Agreement at the time the Award is granted or (ii) in such other document setting forth

the Performance Goals at the time the Performance Goals are established, the Board will appropriately make adjustments in the method of calculating the attainment of Performance Goals for a Performance Period as follows: (1) to exclude restructuring and/or other nonrecurring charges; (2) to exclude exchange rate effects; (3) to exclude the effects of changes to generally accepted accounting principles; (4) to exclude the effects of any statutory adjustments to corporate tax rates; (5) to exclude the effects of any items that are “unusual” in nature or occur “infrequently” as determined under generally accepted accounting principles; (6) to exclude the dilutive effects of acquisitions or joint ventures; (7) to assume that any business divested by the Company achieved performance objectives at targeted levels during the balance of a Performance Period following such divestiture; (8) to exclude the effect of any change in the outstanding shares of common stock of the Company by reason of any stock dividend or split, stock repurchase, reorganization, recapitalization, merger, consolidation, spin-off, combination or exchange of shares or other similar corporate change, or any distributions to common shareholders other than regular cash dividends; (9) to exclude the effects of stock based compensation and the award of bonuses under the Company’s bonus plans; (10) to exclude costs incurred in connection with potential acquisitions or divestitures that are required to be expensed under generally accepted accounting principles; (11) to exclude the goodwill and intangible asset impairment charges that are required to be recorded under generally accepted accounting principles; and (12) to exclude the effects of the timing of acceptance for review and/or approval of submissions to the U.S. Food and Drug Administration or any other regulatory body. In addition, the Board retains the discretion to reduce or eliminate the compensation or economic benefit due upon attainment of Performance Goals and to define the manner of calculating the Performance Criteria it selects to use for such Performance Period. Partial achievement of the specified criteria may result in the payment or vesting corresponding to the degree of achievement as specified in the Stock Award Agreement or the written terms of a Performance Cash Award.

**(oo) “Performance Period”** means the period of time selected by the Board over which the attainment of one or more Performance Goals will be measured for the purpose of determining a Participant’s right to and the payment of a Stock Award or a Performance Cash Award. Performance Periods may be of varying and overlapping duration, at the sole discretion of the Board.

**(pp) “Performance Stock Award”** means a Stock Award granted under the terms and conditions of Section 6(c)(i).

**(qq) “Plan”** means this AmpliPhi Biosciences Corporation 2016 Equity Incentive Plan, as amended.

**(rr) “Restricted Stock Award”** means an award of shares of Common Stock which is granted pursuant to the terms and conditions of Section 6(a).

**(ss) “Restricted Stock Award Agreement”** means a written agreement between the Company and a holder of a Restricted Stock Award evidencing the terms and conditions of a Restricted Stock Award grant. Each Restricted Stock Award Agreement will be subject to the terms and conditions of the Plan.

**(tt) “Restricted Stock Unit Award”** means a right to receive shares of Common Stock which is granted pursuant to the terms and conditions of Section 6(b).

**(uu) “Restricted Stock Unit Award Agreement”** means a written agreement between the Company and a holder of a Restricted Stock Unit Award evidencing the terms and conditions of a Restricted Stock Unit Award grant. Each Restricted Stock Unit Award Agreement will be subject to the terms and conditions of the Plan.

**(vv) “Rule 16b-3”** means Rule 16b-3 promulgated under the Exchange Act or any successor to Rule 16b-3, as in effect from time to time.

**(ww) “Securities Act”** means the Securities Act of 1933, as amended.

**(xx) “Stock Appreciation Right” or “SAR”** means a right to receive the appreciation on Common Stock that is granted pursuant to the terms and conditions of Section 5.

(yy) “*Stock Appreciation Right Agreement*” means a written agreement between the Company and a holder of a Stock Appreciation Right evidencing the terms and conditions of a Stock Appreciation Right grant. Each Stock Appreciation Right Agreement will be subject to the terms and conditions of the Plan.

(zz) “*Stock Award*” means any right to receive Common Stock granted under the Plan, including an Incentive Stock Option, a Nonstatutory Stock Option, a Restricted Stock Award, a Restricted Stock Unit Award, a Stock Appreciation Right, a Performance Stock Award or any Other Stock Award.

(aaa) “*Stock Award Agreement*” means a written agreement between the Company and a Participant evidencing the terms and conditions of a Stock Award grant. Each Stock Award Agreement will be subject to the terms and conditions of the Plan.

(bbb) “*Subsidiary*” means, with respect to the Company, (i) any corporation of which more than 50% of the outstanding capital stock having ordinary voting power to elect a majority of the board of directors of such corporation (irrespective of whether, at the time, stock of any other class or classes of such corporation will have or might have voting power by reason of the happening of any contingency) is at the time, directly or indirectly, Owned by the Company, and (ii) any partnership, limited liability company or other entity in which the Company has a direct or indirect interest (whether in the form of voting or participation in profits or capital contribution) of more than 50%.

(ccc) “*Ten Percent Shareholder*” means a person who Owns (or is deemed to Own pursuant to Section 424(d) of the Code) stock possessing more than 10% of the total combined voting power of all classes of stock of the Company or any Affiliate.

(ddd) “*Transaction*” means a Corporate Transaction or a Change in Control.

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