

Trovogene, Inc.
Form DEF 14A
April 27, 2018

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

SCHEDULE 14A
Proxy Statement Pursuant to Section 14(a) of
the Securities Exchange Act of 1934
(Amendment No.)

Filed by the Registrant

Filed by a Party other than the Registrant

Check the appropriate box:

Preliminary Proxy Statement

Confidential, for Use of the Commission Only (as permitted by Rule 14a-6(e)(2))

Definitive Proxy Statement

Definitive Additional Materials

Soliciting Material Pursuant to §240.14a-12

Trovogene, Inc.

(Name of Registrant as Specified In Its Charter)

(Name of Person(s) Filing Proxy Statement, if other than the Registrant)

Payment of Filing Fee (Check the appropriate box):

No fee required.

Fee computed on table below per Exchange Act Rules 14a-6(i)(1) and 0-11.

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- (3) Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the filing fee is calculated and state how it was determined):

- (4) Proposed maximum aggregate value of transaction:

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Fee paid previously with preliminary materials.

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- (1) Amount Previously Paid:

- (2) Form, Schedule or Registration Statement No.:

- (3) Filing Party:

- (4) Date Filed:

Trovogene, Inc.

11055 Flintkote Avenue

San Diego, California 92121

NOTICE OF ANNUAL MEETING OF STOCKHOLDERS

To Be Held on May 30, 2018

Dear Stockholder:

We are pleased to invite you to attend the annual meeting of stockholders (the **Annual Meeting**) of Trovogene, Inc. (**Trovogene** or the **Company**), which will be held on May 30, 2018 at 9:00 a.m. Pacific Daylight Time at our offices, located at 11055 Flintkote Avenue, San Diego, California 92121, for the following purposes:

1. To elect seven (7) members to our Board of Directors;
2. To ratify the appointment of BDO USA, LLP as our independent registered public accounting firm for our fiscal year ending December 31, 2018
3. To consider and act upon a proposal to approve an amendment to the Company's 2014 Equity Incentive Plan (the **2014 Plan**) to increase the number of shares issuable thereunder to 17,500,000 shares from 9,500,000 shares;
4. To authorize an amendment to our Certificate of Incorporation to effect a reverse stock split of our issued and outstanding common stock at a specific ratio, within a range of 1-for-3 and 1-for-18, to be determined by our Board of Directors in its sole discretion and effected, if at all, on or before May 30, 2019; and
5. To transact such other matters as may properly come before the Annual Meeting and any adjournment or postponement thereof.

Trovogene's Board of Directors has fixed the close of business on April 26, 2018 as the record date for a determination of stockholders entitled to notice of, and to vote at, the Annual Meeting or any adjournment or postponement thereof.

If You Plan to Attend

Please note that space limitations make it necessary to limit attendance of the Annual Meeting to our stockholders. Registration and seating will begin at 8:00 a.m. Shares of common stock can be voted at the Annual Meeting only if the holder thereof is present in person or by valid proxy.

For admission to the Annual Meeting, each stockholder may be asked to present valid picture identification, such as a driver's license or passport, and proof of stock ownership as of the record date, such as the enclosed proxy card or a brokerage statement reflecting stock ownership. Cameras, recording devices and other electronic devices will not be permitted at the Annual Meeting. If you do not plan on attending the Annual Meeting, please vote, date and sign the enclosed proxy and return it in the business envelope provided. Even if you do plan to attend the Annual Meeting, we recommend that you vote your shares at your earliest convenience in order to ensure your representation at the Annual Meeting. Your vote is very important.

If you have any questions or need assistance voting your shares, please call Kingsdale Advisors at:

Strategic Shareholder Advisor and Proxy Solicitation Agent

745 Fifth Avenue, 19th Floor, New York, NY 10151

North American Toll Free Phone:

1-866-851-2484

Email: contactus@kingsdaleadvisors.com

Call Collect Outside North America: 416-867-2272

Important Notice Regarding the Availability of Proxy Materials for the Annual Meeting to Be Held on May 30, 2018 at 9:00 a.m. at 11055 Flintkote Avenue, San Diego, California 92121.

The proxy statement and annual report to stockholders are available at

<http://www.pstvote.com/trovogene2018>.

By the Order of the Board of Directors

/s/ THOMAS H. ADAMS
Thomas H. Adams, Ph.D.
Chairman of the Board of Directors

Dated: May 1, 2018

Whether or not you expect to attend the Annual Meeting in person, we urge you to vote your shares at your earliest convenience. This will ensure the presence of a quorum at the Annual Meeting. Promptly voting your shares will save Trovogene the expenses and extra work of additional solicitation. An addressed envelope for which no postage is required if mailed in the United States is enclosed if you wish to vote by mail. Submitting your proxy now will not prevent you from voting your shares at the Annual Meeting if you desire to do so, as your proxy is revocable at your option. Your vote is important, so please act today!

TROVAGENE, INC.

11055 FLINTKOTE AVENUE

SAN DIEGO, CALIFORNIA 92121

**PROXY STATEMENT FOR THE
2018 ANNUAL MEETING OF STOCKHOLDERS
TO BE HELD ON MAY 30, 2018**

The Board of Directors (the **Board**) of Trovogene, Inc. (**Trovogene** or the **Company**) is soliciting your proxy to vote at the Annual Meeting of Stockholders (the **Annual Meeting**) to be held at our offices, located at 11055 Flintkote Avenue, San Diego, California 92121, on May 30, 2018, at 9:00 a.m. Pacific Daylight Time, including at any adjournments or postponements of the Annual 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 Annual Meeting to vote your shares. Instead, you may simply complete, sign and return the enclosed proxy card if you received paper copies of the proxy materials, or follow the instructions below to submit your proxy over the Internet.

QUESTIONS AND ANSWERS ABOUT THIS PROXY MATERIAL AND VOTING

How do I attend the Annual Meeting?

The Annual Meeting will be held on May 30, 2018, at 9:00 a.m. Pacific Daylight Time at our offices, located at 11055 Flintkote Avenue, San Diego, California 92121. Directions to the Annual Meeting may be found at the back of this Proxy Statement. Information on how to vote in person at the Annual Meeting is discussed below.

Who is Entitled to Vote?

The Board has fixed the close of business on April 26, 2018 as the record date (the **Record Date**) for the determination of stockholders entitled to notice of, and to vote at, the Annual Meeting or any adjournment or postponement thereof. On the Record Date, there were 59,378,162 shares of common stock outstanding. Each share of common stock represents one vote that may be voted on each proposal that may come before the Annual Meeting.

What is the Difference Between Holding Shares as a Record Holder and as a Beneficial Owner (Holding Shares in Street Name)?

If your shares are registered in your name with our transfer agent, Philadelphia Stock Transfer, Inc., you are the record holder of those shares. If you are a record holder, these proxy materials have been provided directly to you by the Company.

If your shares are held in a stock brokerage account, a bank or other holder of record, you are considered the beneficial owner of those shares held in street name. If your shares are held in street name, these proxy materials have been forwarded to you by that organization. The organization holding your account is considered to be the stockholder of record for purposes of voting at the Annual Meeting. As the beneficial owner, you have the right to instruct this organization on how to vote your shares.

Who May Attend the Annual Meeting?

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Only record holders and beneficial owners of our common stock, or their duly authorized proxies, may attend the Annual Meeting. If your shares of common stock are held in street name, you will need to bring a copy of a brokerage statement or other documentation reflecting your stock ownership as of the Record Date.

What am I Voting on?

There are four (4) matters scheduled for a vote:

1. To elect seven (7) members to our Board of Directors;
2. To ratify the appointment of BDO USA, LLP as our independent registered public accounting firm for our fiscal year ending December 31, 2018;
3. To consider an act upon a proposal to approve an amendment to the Company's 2014 Equity Incentive Plan (the **2014 Plan**) to increase the number of shares issuable thereunder to 17,500,000 shares from 9,500,000 shares; and
4. To authorize an amendment to our Certificate of Incorporation to effect a reverse stock split of our issued and outstanding common stock at a specific ratio, within a range of 1-for-3 and 1-for-18, to be determined by our Board of Directors in its sole discretion and effected, if at all, on or before May 30, 2019.

What if another matter is properly brought before the Annual Meeting?

The Board knows of no other matters that will be presented for consideration at the Annual Meeting. If any other matters are properly brought before the Annual 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?

Stockholders of Record

For your convenience, record holders of our common stock have three methods of voting:

1. *Vote by Internet.* The website address for Internet voting is on your vote instruction form.
2. *Vote by mail.* Mark, date, sign and promptly mail the enclosed proxy card (a postage-paid envelope is provided for mailing in the United States).
3. *Vote in person.* Attend and vote at the Annual Meeting.

Beneficial Owners of Shares Held in Street Name

For your convenience, beneficial owners of our common stock have three methods of voting:

1. *Vote by Internet.* The website address for Internet voting is on your vote instruction form.
2. *Vote by mail.* Mark, date, sign and promptly mail your vote instruction form (a postage-paid envelope is provided for mailing in the United States).
3. *Vote in person.* Obtain a valid legal proxy from the organization that holds your shares and attend and vote at the Annual Meeting.

If you vote by Internet, please DO NOT mail your proxy card.

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All shares entitled to vote and represented by a properly completed and executed proxy received before the Annual Meeting and not revoked will be voted at the Annual Meeting as instructed in a proxy delivered before the Annual Meeting. If you do not indicate how your shares should be voted on a matter, the shares represented by your properly completed and executed proxy will be voted as the Board recommends on each of the

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enumerated proposals, with regard to any other matters that may be properly presented at the Annual Meeting and on all matters incident to the conduct of the Annual Meeting. If you are a registered stockholder and attend the Annual Meeting, you may deliver your completed proxy card in person. If you are a street name stockholder and wish to vote at the Annual Meeting, you will need to obtain a proxy form from the institution that holds your shares. All votes will be tabulated by the inspector of elections appointed for the Annual Meeting, who will separately tabulate affirmative and negative votes, abstentions and broker non-votes.

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 own as of the close of business on the Record Date.

Is My Vote Confidential?

Yes, your vote is confidential. Only the inspector of elections, individuals who help with processing and counting your votes and persons who need access for legal reasons will have access to your vote. This information will not be disclosed, except as required by law.

What Constitutes a Quorum?

To carry on business at the Annual Meeting, we must have a quorum. A quorum is present when a majority of the shares entitled to vote, as of the Record Date, are represented in person or by proxy. Thus, 29,689,082 shares must be represented in person or by proxy to have a quorum at the Annual Meeting. 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 Annual Meeting. Abstentions and broker non-votes will be counted towards the quorum requirement. Shares owned by us are not considered outstanding or considered to be present at the Annual Meeting. If there is not a quorum at the Annual Meeting, either the chairperson of the Annual Meeting or our stockholders entitled to vote at the Annual Meeting may adjourn the Annual Meeting.

How Will my Shares be Voted if I Give No Specific Instruction?

We must vote your shares as you have instructed. If there is a matter on which a stockholder of record has given no specific instruction but has authorized us generally to vote the shares, they will be voted as follows:

1. **FOR** the election of each of the seven (7) members to our Board of Directors;
2. **FOR** the ratification of the appointment of BDO USA, LLP as our independent registered public accounting firm for our fiscal year ending December 31, 2018;
3. **FOR** the amendment to the 2014 Plan to increase the number of shares issuable thereunder to 17,500,000 shares from 9,500,000 shares; and
4. **FOR** the approval of the Reverse Stock Split, as described in Proposal 4.

This authorization would exist, for example, if a stockholder of record merely signs, dates and returns the proxy card but does not indicate how its shares are to be voted on one or more proposals. If other matters properly come before the Annual Meeting and you do not provide specific voting instructions, your shares will be voted at the discretion of the proxies.

If your shares are held in street name, see *What is a Broker Non-Vote?* below regarding the ability of banks, brokers and other such holders of record to vote the uninstructed shares of their customers or other beneficial owners in their discretion.

How are Votes Counted?

Votes will be counted by the inspector of election appointed for the Annual Meeting, who will separately count, for the election of directors, FOR, WITHHOLD and broker non-votes; and, with respect to the other proposals, votes FOR and AGAINST, abstentions and broker non-votes.

What is a Broker Non-Vote?

If your shares are held in street name, you must instruct the organization who holds your shares how to vote your shares. If you sign your proxy card but do not provide instructions on how your broker should vote on routine proposals, your broker will vote your shares as recommended by the Board. If you do not provide voting instructions, your shares will not be voted on any non-routine proposals. This vote is called a broker non-vote. Because broker non-votes are not considered under Delaware law to be entitled to vote at the Annual Meeting, broker non-votes will not be included in the tabulation of the voting results of any of the proposals and, therefore, will have no effect on these proposals.

Brokers cannot use discretionary authority to vote shares on the election of directors if they have not received instructions from their clients. Please submit your vote instruction form so your vote is counted.

What is an Abstention?

An abstention is a stockholder's affirmative choice to decline to vote on a proposal. Under Delaware law, abstentions are counted as shares present and entitled to vote at the Annual Meeting. However, our By-Laws provide that an action of our stockholders (other than the election of directors) is only approved if a majority of the number of shares of stock present and entitled to vote thereat vote in favor of such action.

How Many Votes are Needed for Each Proposal to Pass?

Proposal	Vote Required
Election of each of the seven (7) members to our Board of Directors	Plurality of the votes cast (the eight directors receiving the most FOR votes)
Ratification of the Appointment of BDO USA, LLP as our Independent Registered Public Accounting Firm for our Fiscal Year Ending December 31, 2018	A majority of the votes entitled to vote thereon and present at the Annual Meeting
Approval of an amendment to the Company's 2014 Equity Incentive Plan (the 2014 Plan) to increase the number of shares issuable thereunder to 17,500,000 shares from 9,500,000 shares	A majority of the votes entitled to vote thereon and present at the Annual Meeting
Authorization to amend our Certificate of Incorporation to effect a reverse stock split of our issued and outstanding common stock at a specific ratio, within a range of 1-for-3 and 1-for-18, to be determined by our Board of Directors in	A majority of the shares of common stock outstanding and entitled to vote thereon at the Annual Meeting

its sole discretion and effected, if at all, on or before May
30, 2019

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What Are the Voting Procedures?

In voting by proxy with regard to the election of directors, you may vote in favor of all nominees, withhold your votes as to all nominees, or withhold your votes as to specific nominees. With regard to other proposals, you may vote in favor of or against the proposal, or you may abstain from voting on the proposal. You should specify your respective choices on the accompanying proxy card or your vote instruction form.

Is My Proxy Revocable?

You may revoke your proxy and reclaim your right to vote at any time before your proxy is voted by giving written notice to the Secretary of Trovagene, by delivering a properly completed, later-dated proxy card or vote instruction form or by voting in person at the Annual Meeting. All written notices of revocation and other communications with respect to revocations of proxies should be addressed to: Trovagene, Inc., 11055 Flintkote Avenue, San Diego, California 92121, Attention: Secretary, or by facsimile at 858-952-7571. Your most current proxy card or Internet proxy is the one that will be counted.

Who is Paying for the Expenses Involved in Preparing and Mailing this Proxy Statement?

All of the expenses involved in preparing, assembling and mailing these proxy materials and all costs of soliciting proxies will be paid by us. In addition to the solicitation by mail, proxies may be solicited by our officers and other employees by telephone or in person. Such persons will receive no compensation for their services other than their regular salaries. Arrangements will also be made with brokerage houses and other custodians, nominees and fiduciaries to forward solicitation materials to the beneficial owners of the shares held of record by such persons, and we may reimburse such persons for reasonable out of pocket expenses incurred by them in forwarding solicitation materials. We have retained Kingsdale Advisors as our strategic shareholder advisor and proxy solicitation agent in connection with the solicitation of proxies for the Meeting. If you have any questions or require any assistance with completing your proxy, please contact Kingsdale Advisors by telephone (toll-free within North America) at 1-866-851-2484 or (call collect outside North America) at 416-867-2272 or by email at contactus@kingsdaleadvisors.com.

Do I Have Dissenters' Rights of Appraisal?

Trovagene stockholders do not have appraisal rights under Delaware law or under Trovagene's governing documents with respect to the matters to be voted upon at the Annual Meeting.

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 disclosed in a Current Report on Form 8-K that we expect to file with the SEC 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 with the SEC within four business days after the Annual 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.

When are Stockholder Proposals Due for the 2019 Annual Meeting?

Any appropriate proposal submitted by a stockholder and intended to be presented at the 2019 Annual Meeting of Stockholders (the **2019 Annual Meeting**) must be submitted in writing to the Company's Secretary at 11055 Flintkote Avenue, San Diego, California 92121, and received no later than January 3, 2019, to be includable in the Company's proxy statement and related proxy for the 2019 Annual Meeting. However, if the date of the 2019 Annual Meeting is convened more than 30 days before, or delayed by more than 30 days after, May 30, 2019, to be considered for

inclusion in proxy materials for our 2019 Annual Meeting, a stockholder proposal must be submitted in writing to the Company's Secretary at 11055 Flintkote Avenue, San Diego,

California 92121, a reasonable time before we begin to print and send our proxy materials for the 2019 Annual Meeting. A stockholder proposal will need to comply with the SEC regulations under Rule 14a-8 of the Securities Exchange Act of 1934, as amended (the **Exchange Act**), regarding the inclusion of stockholder proposals in company-sponsored proxy materials. Although the Board will consider stockholder proposals, we reserve the right to omit from our proxy statement, or to vote against, stockholder proposals that we are not required to include under the Exchange Act, including Rule 14a-8.

If you wish to submit a proposal that is not to be included in the proxy materials for the 2019 Annual Meeting, your proposal must be submitted in writing to the Company's Secretary at 11055 Flintkote Avenue, San Diego, California 92121 by March 1, 2019. However, if the date of the 2019 Annual Meeting is convened more than 30 days before, or delayed by more than 30 days after, May 30, 2019, to be brought before our 2019 Annual Meeting, a stockholder proposal must be submitted in writing to the Company's Secretary at 11055 Flintkote Avenue, San Diego, California 92121, a reasonable time before we begin to print and send our proxy materials for the 2019 Annual Meeting.

Do the Company's Officers and Directors have an Interest in Any of the Matters to Be Acted Upon at the Annual Meeting?

Members of the Board have an interest in Proposal 1, the election to the Board of the seven director nominees set forth herein, as each of the nominees is currently a member of the Board. Members of the Board and executive officers of Trovogene do not have any interest in Proposal 2, the ratification of the appointment of our independent registered public accounting firm. Members of the Board and the executive officers of Trovogene are eligible to receive awards under the terms of the 2014 Plan, and they therefore have a substantial interest in Proposal 3. Additionally, members of the Board and executive officers of Trovogene own stock and/or options in the Company, and therefore have an interest in Proposal 4.

PROPOSAL 1

ELECTION OF DIRECTORS

At the Annual Meeting, the stockholders will elect seven (7) directors to hold office until the 2019 Annual Meeting. Dr. Paul Billings is not standing for re-election to the Board. Directors are elected by a plurality of votes cast by stockholders. In the event the nominees are unable or unwilling to serve as directors at the time of the Annual Meeting, the proxies will be voted for any substitute nominees designated by the present Board or the proxy holders to fill such vacancy, or for the balance of the nominees named without nomination of a substitute, or the size of the Board will be reduced in accordance with the By-Laws of the Company. The Board has no reason to believe that the persons named below will be unable or unwilling to serve as nominees or as directors if elected.

Assuming a quorum is present, the seven nominees receiving the highest number of affirmative votes of shares entitled to be voted for such persons will be elected as directors of the Company for the ensuing year. Unless marked otherwise, proxies received will be voted FOR the election of the nominees named below. In the event that additional persons are nominated for election as directors, the proxy holders intend to vote all proxies received by them in such a manner as will ensure the election of the nominees listed below, and, in such event, the specific nominees to be voted for will be determined by the proxy holders.

Information with Respect to Director Nominees

Listed below are the current directors who are nominated to hold office until their successors are elected and qualified, and their ages as of April 26, 2018.

Name	Age
Thomas H. Adams, Ph.D.	75
William (Bill) Welch	56
John Brancaccio	70
Gary S. Jacob, Ph.D.	71
Dr. Stanley Tennant	66
Dr. Rodney S. Markin	61
Dr. Athena Countouriotis	46

Thomas H. Adams. Thomas H. Adams, Ph.D., has been our Chairman of the Board since April 2009. Dr. Adams served as our interim Chief Executive Officer from March 28, 2016 until April 25, 2016. Dr. Adams has served as the Chairman of Clearbridge BioPhotonics, Inc., an imaging solutions company, since April 2013. From June 2005 through 2011, Dr. Adams served as a director of IRIS International, Inc., a diagnostics company, and has served as Chief Technology Officer of IRIS since April 2006. Dr. Adams was the Head of Iris Molecular Diagnostics from 2006 until November 2012 and has served as the President of Iris Personalized Medicine since 2011. In November 2012, IRIS was acquired by Danaher Corporation. Dr. Adams served as Chairman and Chief Executive Officer of Leucadia Technologies, a privately held medical-device company, from 1998 to April 2006, when Leucadia was acquired by IRIS. In 1989, Dr. Adams founded Genta, Inc., a publicly held biotechnology company in the field of antisense technology, and served as its Chief Executive Officer until 1997. Dr. Adams founded Gen-Probe, Inc. in 1984 and served as its Chief Executive Officer and Chairman until its acquisition by Chugai Biopharmaceuticals, Inc. in 1989. Dr. Adams has served as a director of Synergy Pharmaceuticals Inc., a biotechnology company, since July 2009 and has served as a director of Gensignia Life Sciences, Inc., a molecular diagnostics company, since October 2014. Dr. Adams has served as a director of ContraVir Pharmaceuticals, Inc., an antiviral biotechnology company, since September 2016. Dr. Adams holds a Ph.D. in Biochemistry from the University of California, at Riverside. The Board believes that Dr. Adams' executive leadership, particularly in the diagnostic field, and the extensive healthcare

expertise he has developed qualifies Dr. Adams to serve as a director of our company.

William (Bill) Welch. William Welch has served as our Chief Executive Officer since April 2016 and as a director of our company since May 2016. Mr. Welch was President and Chief Executive Officer of Sequenom, Inc. from June 2014 to September 2015 where he introduced the first non-invasive prenatal test (NIPT) utilizing maternal blood sample to identify fetal chromosomal abnormalities. Mr. Welch began his career at Sequenom as Senior Vice President, Diagnostics in January 2011 and became President and Chief Operating Officer in June 2014. Prior to joining Sequenom, Mr. Welch was a consultant to molecular diagnostic companies in the personalized medicine sector. From August 2005 to September 2009, Mr. Welch was senior vice president and chief commercial officer at Monogram Biosciences, a leader in HIV and oncology diagnostic testing services. Prior to his time at Monogram, Mr. Welch was vice president of sales and marketing at La Jolla Pharmaceuticals, an immunology based biotechnology company. Mr. Welch entered the healthcare field with Abbott Laboratories where he held progressive management positions, including General Manager. Mr. Welch earned a B.S. with honors in chemical engineering from the University of California at Berkeley and received his M.B.A. from Harvard University. The Board believes that Mr. Welch's broad management expertise in the pharmaceutical and biotechnology industries provides relevant experience in a number of strategic and operational areas and qualifies him to serve as a director of our company.

John Brancaccio. John Brancaccio, a retired CPA, has served as a director of our company since December 2005. From April 2004 until his retirement in May 2017, Mr. Brancaccio was the Chief Financial Officer of Accelerated Technologies, Inc., an incubator for medical device companies. Mr. Brancaccio served as a director of Callisto Pharmaceuticals, Inc. from April 2004 until its merger with Synergy Pharmaceuticals, Inc. in January 2013 and has been a director of Tamir Biotechnology, Inc. (formerly Alfacell Corporation) since April 2004, as well as a director of Synergy Pharmaceuticals Inc. since July 2008 and ContraVir Pharmaceuticals, Inc. since December 2013 and Rasna Therapeutics, Inc. since August 2016. The Board believes that Mr. Brancaccio's experience as a chief financial officer provides him with valuable financial and accounting expertise that qualifies him to serve as a director of our company. The Board believes that Mr. Brancaccio's experience as a chief financial officer provides him with valuable financial and accounting expertise that qualifies him to serve as a director of our company.

Gary S. Jacob. Gary S. Jacob, Ph.D., has served as a director of our company since February 2009. Dr. Jacob has served as Chairman of Synergy Pharmaceuticals Inc. since September 2013, as its President, Chief Executive Officer from July 2008 until December 2017, Executive Chairman since December 2017 and as Director since July 2008. Dr. Jacob has been Chairman of ContraVir Pharmaceuticals, Inc. since May 2013. Dr. Jacob also served as a director of Callisto Pharmaceuticals, Inc. from October 2004 until its merger with Synergy Pharmaceuticals Inc. in January 2013. Prior to 1999, Dr. Jacob served as a Monsanto Science Fellow, specializing in the field of glycobiology, and from 1997 to 1998, he was Director of Functional Genomics, Corporate Science & Technology, at Monsanto Company. Dr. Jacob earned a B.S. in Chemistry from the University of Missouri, and holds a Ph.D. in Biochemistry from the University of Wisconsin-Madison. The Board believes that Dr. Jacob's broad management expertise in the pharmaceutical and biotechnology industries provides relevant experience in a number of strategic and operational areas and qualifies him to serve as a director of our company.

Dr. Stanley Tennant. Stanley Tennant, M.D., has served as a director of our company since December 2010. From July 1983 to June 2012, Dr. Tennant was a cardiologist in Greensboro, North Carolina. Since January 1992, Dr. Tennant has served as the president of Five Star Management, a real estate company. Dr. Tennant has served as a director of Oak Ridge Financial Services, Inc. since July 2011. He graduated from Wake Forest University School of Medicine in 1978 and completed postgraduate training in Internal Medicine and Cardiology at Vanderbilt University in 1983. The Board believes that Dr. Tennant's practical experience in the healthcare field qualifies him to serve as a director of our company.

Dr. Rodney S. Markin. Rodney S. Markin, M.D., Ph.D., has been a director of our company since February 2014. Dr. Markin has served as Chief Operating Officer of University of Nebraska since August 2017. Dr. Markin has served as Chief Technology Officer and Associate Vice Chancellor for Business Development at

the University of Nebraska Medical Center from 2011 to July 2017; as a Professor of Pathology and Microbiology since 1985; as David T. Purtilo Distinguished Professor Pathology and Microbiology since 2005; as Courtesy Professor of Surgery since 1990 and as Courtesy Professor of Psychiatry since 2013. Dr. Markin is also a director on the Board of Children's Hospital and Medical Center Foundation, on the Board of Trustees for Keck Graduate Institute, on the Board of the Make-A-Wish Foundation and on the Board of PerceptiMed since July 2015. Dr. Markin served on the Board of Directors of Transgenomic, Inc. from March 2007 to December 2014. The Board believes that Dr. Markin's valuable executive experience in the healthcare business qualifies him to serve as a director of our company.

Dr. Athena Countouriotis. Dr. Athena Countouriotis has been a director of our company since September 2017. Dr. Countouriotis brings significant experience leading clinical development programs, from preclinical through clinical stages, and approval. Over the course of her career, she has been involved in multiple clinical programs, with a focus within oncology, both hematologic and solid tumor indications, that have supported regulatory approvals in the U.S. and Europe. Dr. Countouriotis currently serves as Senior Vice President, Chief Medical Officer at Adverum Biotechnologies. Prior to joining Adverum, she served as Senior Vice President and Chief Medical Officer at Halozyme Therapeutics. Dr. Countouriotis was Chief Medical Officer at Ambit Biosciences through the initial development of quizartinib, a small molecule FLT3 inhibitor for the treatment of Acute Myeloid Leukemia, and ultimate acquisition of the company by Daiichi Sankyo. Dr. Countouriotis also worked at both Pfizer and Bristol-Myers Squibb in various roles leading clinical development of oncology focused therapeutics. She holds a M.D. from Tufts University School of Medicine, completed her pediatric residency at the University of California, Los Angeles, and did additional training at Fred Hutchinson Cancer Research Center in the pediatric hematology-oncology program. The Board believes that Dr. Countouriotis's medical and clinical research expertise in oncology provides relevant experience to the Board and management and qualifies her to serve as a director of our company.

Information Regarding the Board of Directors and Corporate Governance

Family Relationships and Other Arrangements

There are no family relationships among our directors and executive officers. There are no arrangements or understandings between or among our executive officers and directors pursuant to which any director or executive officer was or is to be selected as a director or executive officer.

Board Responsibilities and Structure

The Board oversees, counsels and directs management in the long-term interest of Trovogene and its stockholders. The Board's responsibilities include establishing broad corporate policies and reviewing the overall performance of Trovogene. The Board is not, however, involved in the operating details on a day-to-day basis.

Board Committees and Charters

The following table identifies the independent and non-independent Board and Committee members during fiscal year 2017 in accordance with NASDAQ Listing Rule 5605(a)(2):

Name	Independent	Audit	Compensation	Corporate Governance/ Nominating
William (Bill) Welch				
Thomas H. Adams, Ph.D.				
John Brancaccio		*		
Gary S. Jacob, Ph.D.				
Dr. Paul Billings (1)			*	
Dr. Stanley Tennant				
Dr. Rodney S. Markin				*
Dr. Athena Countouriotis				

* Committee Chairman

(1) Dr. Paul Billings is not standing for re-election to the Board.

Meetings of the Board of Directors and Committees

During the fiscal year ended December 31, 2017, the Board held a total of 12 meetings and acted by unanimous written consent 3 times, the Audit Committee held a total of 4 meetings and did not take any action by unanimous written consent, the Compensation Committee held a total of 6 meetings and acted by unanimous written consent 3 times and the Corporate Governance/Nominating Committee held a total of 3 meetings and did not take any action unanimous written consent. None of our incumbent directors attended fewer than 75% of the total number of meetings held by the Board and the committees on which the director served during fiscal year 2017.

Policy Regarding Attendance at Annual Meetings of Stockholders

Trovogene does not have a policy with regard to Board members attendance at annual meetings. All of the directors serving on the Board as of such time attended our 2017 annual meeting of stockholders.

Board Leadership Structure and Role in Risk Oversight

Since April 2009, we have separated the roles of Chairman of the Board (**Chairman**) and Chief Executive Officer (**CEO**). Although the separation of roles has been appropriate for us during this time period, in the view of the Board, the advisability of the separation of these roles depends upon the specific circumstances and dynamics of our leadership.

As Chairman, Dr. Adams serves as the primary liaison between the CEO and the independent directors and provides strategic input and counseling to the CEO. With input from other members of the Board, committee chairs and management, he presides over meetings of the Board. Dr. Adams has developed an extensive knowledge of our company, its challenges and opportunities and has a productive working relationship with our senior management team.

The Board, as a unified body and through committee participation, organizes the execution of its monitoring and oversight roles and does not expect the Chairman to organize those functions. Our primary rationale for separating the positions of Chairman and CEO is the recognition of the time commitments and activities required to function effectively as the Chairman and as the CEO of a company with a relatively flat management structure. The separation of roles has also permitted the Board to recruit senior executives into the CEO position with skills and experience that meet the Board's planning for the position, some of which such individuals may not have extensive public company board experience.

The Board has three standing committees: Audit, Compensation and Corporate Governance/Nominating. The membership of each of the committees of the Board is comprised of independent directors, with each of the committees having a separate chairman, each of whom is an independent director. Our non-management members of the Board meet in executive session at each regular Board meeting.

Risk is inherent with every business, and how well a business manages risk can ultimately determine its success. Management is responsible for the day-to-day management of the risks we face, while the Board, as a whole and through its committees, has responsibility for the oversight of risk management. In its risk oversight role, the Board has responsibility for satisfying itself that the risk management processes designed and implemented by management are adequate and functioning as designed.

The Board believes that establishing the right tone at the top and that full and open communication between executive management and the Board are essential for effective risk management and oversight. Our CEO communicates frequently with members of the Board to discuss strategy and challenges facing our company. Senior management usually attends our regular quarterly Board meetings and is available to address any questions or concerns raised by the Board on risk management-related and any other matters. Each quarter, the Board receives presentations from senior management on matters involving our key areas of operations.

Director Independence

The Board has determined that a majority of the Board consists of members who are currently independent as that term is defined under NASDAQ Listing Rule 5605(a)(2). The Board considers Drs. Jacob, Countouriotis, Tennant and Markin and Mr. Brancaccio to be independent.

Audit Committee

We have a separately-designated standing Audit Committee established in accordance with Section 3(a)(58)(A) of the Securities Exchange Act of 1934, as amended, or the Exchange Act. The Audit Committee's responsibilities include, among other things: (i) selecting and retaining an independent registered public accounting firm to act as our independent auditors, setting the compensation for our independent auditors, overseeing the work done by our independent auditors and terminating our independent auditors, if necessary, (ii) periodically evaluating the qualifications, performance and independence of our independent auditors, (iii) pre-approving all auditing and permitted non-audit services to be provided by our independent auditors, (iv) reviewing with management and our independent auditors our annual audited financial statements and our quarterly reports prior to filing such reports with the Securities and Exchange Commission, or the SEC, including the results of our independent auditors' review of our quarterly financial statements, and (v) reviewing with management and our independent auditors significant financial reporting issues and judgments made in connection with the preparation of our financial statements. The Audit Committee also prepares the Audit Committee report that is required to be included in our annual proxy statement pursuant to the rules of the SEC.

The Audit Committee currently consists of John P. Brancaccio, chairman of the Audit Committee, Dr. Rodney Markin and Dr. Stanley Tennant. Under the applicable rules and regulations of NASDAQ, each member of a company's audit committee must be considered independent in accordance with NASDAQ Listing Rule 5605(c)(2)(A)(i) and (ii) and Rule 10A-3(b)(1) under the Exchange Act. The Board has determined that each of Mr. Brancaccio, Dr. Markin and Dr. Tennant is independent as that term is defined under applicable NASDAQ and SEC rules. Mr. Brancaccio is our audit committee financial expert. The Board has adopted a written charter setting forth the authority and responsibilities of the Audit Committee, which is available on our website at <http://trovogene.investorroom.com/> under Corporate Governance.

Compensation Committee

The purpose of the Compensation Committee is to discharge the Board's responsibilities relating to compensation of our directors and executive officers. The Compensation Committee has responsibility for,

among other things, (i) recommending to the Board for approval the overall compensation philosophy for our company and periodically reviewing the overall compensation philosophy for all employees to ensure it is appropriate and does not incentivize unnecessary and excessive risk taking, (ii) reviewing annually and making recommendations to the Board for approval, as necessary or appropriate, with respect to our compensation plans, (iii) based on an annual review, determining and approving, or at the discretion of the Compensation Committee, recommending to the Board for determination and approval, the compensation and other terms of employment of each of our officers, (iv) reviewing and making recommendations to the Board with respect to the compensation of directors, (v) overseeing our regulatory compliance with respect to compensation matters, (vi) reviewing and discussing with management, prior to the filing of our annual proxy statement or annual report on Form 10-K, our disclosure relating to executive compensation, including our Compensation Discussion and Analysis and executive and director compensation tables as required by SEC rules, and (vii) preparing an annual report regarding executive compensation for inclusion in our annual proxy statement or our annual report on Form 10-K. The Compensation Committee has the power to form one or more subcommittees, each of which may take such actions as may be delegated by the Compensation Committee.

The charter of the Compensation Committee grants the Compensation Committee authority to select, retain, compensate, oversee and terminate any compensation consultant to be used to assist in the evaluation of director, chief executive officer, officer and our other compensation and benefit plans and to approve the compensation consultant's fees and other retention terms. The Compensation Committee is directly responsible for the appointment, compensation and oversight of the work of any internal or external legal, accounting or other advisors and consultants retained by the Compensation Committee. The Compensation Committee may also select or retain advice and assistance from an internal or external legal, accounting or other advisor as the Compensation Committee determines to be necessary or advisable in connection with the discharge of its duties and responsibilities and will have the direct responsibility to appoint, compensate and oversee any such advisor. During the past year, the Compensation Committee engaged Barney & Barney, LLC (**Barney & Barney**) as a compensation consultant. As part of its engagement, the Compensation Committee requested that Barney & Barney develop a comparative group of companies and perform analyses of competitive performance and compensation levels for the comparative group. Barney & Barney, who reports directly to the Compensation Committee and not to our management, is independent from us, has not provided any services to us other than to the Compensation Committee, and receives compensation from us only for services provided to the Compensation Committee. The Compensation Committee assessed the independence of Barney & Barney pursuant to SEC rules and concluded that the work of Barney & Barney has not raised any conflict of interest.

The Compensation Committee currently consists of Dr. Rodney Markin, chairman of the Compensation Committee, Dr. Stanley Tennant and Dr. Athena Countouriotis. The Board has determined that all of the members are independent under NASDAQ Listing Rule 5602(a)(2). The Board has adopted a written charter setting forth the authority and responsibilities of the Compensation Committee, which is available on our website at <http://trovogene.investorroom.com/> under *Corporate Governance*. During 2017, Dr. Paul Billings served as Chairman of the Compensation Committee. Dr. Paul Billings is not standing for re-election to the Board.

Compensation Committee Interlocks and Insider Participation

As noted above, the Compensation Committee consists of three directors, each of whom is a non-employee director: Dr. Rodney Markin, Dr. Stanley Tennant and Dr. Athena Countouriotis. None of the aforementioned individuals was, during 2017, an officer or employee of ours, was formerly an officer of ours or had any relationship requiring disclosure by us under Item 404 of Regulation S-K. No interlocking relationship as described in Item 407(e)(4) of Regulation S-K exists between any of our executive officers or Compensation Committee members, on the one hand, and the executive officers or compensation committee members of any other entity, on the other hand, nor has any such interlocking relationship existed in the past.

Corporate Governance/Nominating Committee

The Corporate Governance/Nominating Committee has responsibility for assisting the Board in, among other things, (i) effecting Board organization, membership and function, including identifying qualified board nominees, (ii) effecting the organization, membership and function of the committees of the Board, including the composition of the committees of the Board and recommending qualified candidates for the committees of the Board, (iii) evaluating and providing successor planning for the chief executive officer and our other executive officers, (iv) identifying and evaluating candidates for director in accordance with certain general and specific criteria, (v) developing and recommending to the Board Corporate Governance Guidelines and any changes thereto, setting forth the corporate governance principles applicable to us, and overseeing compliance with the our Corporate Governance Guidelines, and (vi) reviewing potential conflicts of interest involving directors and determining whether such directors may vote on issues as to which there may be a conflict. The Corporate Governance/Nominating Committee is responsible for identifying and evaluating candidates for director. Potential nominees are identified by the Board based on the criteria, skills and qualifications that are deemed appropriate by the Corporate Governance/Nominating Committee. The Corporate Governance/Nominating Committee believes that candidates for director should have certain minimum qualifications, including high character and integrity, an inquiring mind and vision, willingness to ask hard questions, ability to work well with others, freedom from conflicts of interest, willingness to devote sufficient time to the Company's affairs, diligence in fulfilling his or her responsibilities and the capacity and desire to represent the best interests of the Company and our stockholders as a whole and not primarily a special interest group or constituency. While our nominating criteria does not prescribe specific diversity standards, the Corporate Governance/Nominating Committee and its independent members seek to identify nominees that have a variety of perspectives, professional experience, education, difference in viewpoints and skills, and personal qualities that will result in a well-rounded Board.

The Corporate Governance/Nominating Committee currently consists of Dr. Rodney Markin, chairman of the Corporate Governance/Nominating Committee, Mr. John Brancaccio, Dr. Gary S. Jacob and Dr. Paul Billings. Dr. Paul Billings is not standing for re-election to the Board. The Board has determined that all of the members are independent under NASDAQ Listing Rule 5605(a)(2). The Board has adopted a written charter setting forth the authority and responsibilities of the Corporate Governance/Nominating Committee, which is available on our website at <http://trovagene.investorroom.com/> under *Corporate Governance*.

Security Holder Nominations

The Board does not have a formal policy regarding the consideration of director candidates recommended by our security holders. However, the Board would consider such recommendations. The Board does not intend to alter the manner in which it evaluates candidates, including the minimum criteria set forth above, based on whether or not the candidate was recommended by a security holder. Security holders who wish to make such a recommendation should send the recommendation to Secretary, Trovagene, Inc., 11055 Flintkote Avenue, San Diego, California 92121. The letter must identify the author as a stockholder, provide a brief summary of the candidate's qualifications and history and be accompanied by evidence of the sender's stock ownership, as well as consent by the candidate to serve as a director if elected. Any director candidate recommendations will be reviewed by the Secretary and, if deemed appropriate, forwarded to the Chairman for further review. If the Chairman believes that the candidate fits the profile of a director nominee as described above, the recommendation will be shared with the entire Board.

Code of Business Conduct and Ethics

We have adopted a formal Code of Business Conduct and Ethics applicable to all Board members, officers and employees. Our Code of Business Conduct and Ethics can be found on our website (www.trovagene.com). A copy of our Code of Business Conduct and Ethics may be obtained without charge upon written request to Secretary, Trovagene, Inc., 11055 Flintkote Avenue, San Diego, California 92121. If we make any substantive

amendments to our Code of Business Conduct and Ethics or grant any waiver from a provision of the Code of Business Conduct and Ethics to any executive officer or director, we will promptly disclose the nature of the amendment or waiver on our website (www.trovogene.com) and/or in our public filings with the SEC.

Corporate Governance Guidelines

The Board has adopted Corporate Governance Guidelines, which are designed to help Trovogene achieve its goals, govern Trovogene with high standards of integrity and increase stockholder value. These Corporate Governance Guidelines provide a framework for the conduct of the Board's business.

The Corporate Governance Guidelines also set forth the practices our Board will follow with respect to Board composition and selection, Board meetings and Board committees and Chief Executive Officer performance evaluation and compensation. Our Corporate Governance Guidelines can be found on our website (www.trovogene.com).

Hedging and Pledging Policies

As part of our Insider Trading Policy, all of our officers, all of our directors, certain of our employees and consultants and family members or others sharing a household with any of the foregoing are prohibited from engaging in short sales of our securities, any hedging or monetization transactions involving our securities and in transactions involving puts, calls or other derivative securities based on our securities. Our Insider Trading Policy further prohibits such persons from purchasing our securities on margin, borrowing against any account in which our securities are held or pledging our securities as collateral for a loan unless pre-cleared by our Insider Trading Compliance Officer. As of April 26, 2018, none of our directors or executive officers had pledged any shares of our common stock.

Stockholder Communications

Although we do not have a formal policy regarding communications with the Board, stockholders may communicate with the Board by writing to Trovogene, Inc., 11055 Flintkote Avenue, San Diego, California 92121, Attention: Mr. William Welch, or by facsimile to 858-952-7571. Stockholders who would like their submission directed to a member of the Board may so specify, and the communication will be forwarded, as appropriate.

Vote Required

Under applicable Delaware law, the election of each nominee requires the affirmative vote by a plurality of the voting power of the shares present and entitled to vote on the election of directors at the Annual Meeting at which a quorum is present.

THE BOARD RECOMMENDS THAT YOU VOTE FOR EACH OF THE NOMINEES TO THE BOARD SET FORTH IN THIS PROPOSAL 1.

PROPOSAL 2

**RATIFICATION OF THE APPOINTMENT OF OUR INDEPENDENT
REGISTERED PUBLIC ACCOUNTING FIRM FOR FISCAL YEAR ENDING
DECEMBER 31, 2018**

The Board has appointed BDO USA, LLP (**BDO**) to serve as our independent registered public accounting firm for the year ending December 31, 2018. BDO has acted as our principal accountant since April 5, 2007 and served as our independent registered public accounting firm for the fiscal year ended December 31, 2017.

A representative of BDO is expected to be present via telephone conference at the Annual Meeting. He or she will have the opportunity to make a statement if desired and is expected to be available to respond to appropriate questions.

Our Audit Committee retains our independent registered public accounting firm and approves in advance all audit and non-audit services performed by this firm and any other auditing firms. Although management has the primary responsibility for the financial statements and the reporting process including the systems of internal control, the Audit Committee consults with management and our independent registered public accounting firm regarding the preparation of financial statements and the adoption and disclosure of our critical accounting estimates and generally oversees the relationship of the independent registered public accounting firm with Trovogene. The independent registered public accounting firm is responsible for expressing an opinion on the conformity of those audited financial statements with generally accepted accounting principles, relating to their judgments as to the quality, not just the acceptability, of Trovogene's accounting principles, and such other matters as are required to be discussed with the Audit Committee under generally accepted auditing standards.

It is the responsibility of Trovogene's management to determine that Trovogene's financial statements and disclosures are complete and accurate and in accordance with generally accepted accounting principles. It is the responsibility of Trovogene's independent registered public accounting firm to conduct the audit of Trovogene's financial statements and disclosures. In giving its recommendation to the Board that Trovogene's audited financial statements for the year ended December 31, 2017 be included in Trovogene's Annual Report on Form 10-K for the year ended December 31, 2017, the Audit Committee has relied on: (1) management's representation that such financial statements have been prepared with integrity and objectivity and in conformity with generally accepted accounting principles in the United States; and (2) the report of Trovogene's independent registered public accounting firm with respect to such financial statements.

Principal Accountant Fees and Services

The aggregate fees billed to the Company by BDO, the Company's independent registered public accounting firm, for the indicated services for each of the last two fiscal years were as follows:

	2017	2016
Audit fees ⁽¹⁾	\$ 272,618	\$ 275,952
Tax fees ⁽²⁾	23,947	10,689
Total fees	\$ 296,565	\$ 286,641

- (1) Audit fees consist of fees for professional services performed by BDO for the audit and review of our financial statements, preparation and filing of our registration statements, including issuance of comfort letters.
- (2) Tax fees consist of fees for professional services performed by BDO with respect to tax compliance.

Policy on Audit Committee Pre-Approval of Audit and Permissible Non-Audit Services of Independent Auditors

Consistent with SEC policies and guidelines regarding audit independence, the Audit Committee is responsible for the pre-approval of all audit and permissible non-audit services provided by our independent registered public accounting firm on a case-by-case basis. Our Audit Committee has established a policy regarding approval of all audit and permissible non-audit services provided by our principal accountants. Our Audit Committee pre-approves these services by category and service. Our Audit Committee has pre-approved all of the services provided by our independent registered public accounting firm.

Vote Required

The selection of our independent registered public accounting firm is not required to be submitted to a vote of our stockholders for ratification. However, Trovogene is submitting this matter to the stockholders as a matter of good corporate governance. Even if the appointment is ratified, the Board may, in its discretion, appoint a different independent registered public accounting firm at any time during the year if it determines that such a change would be in the best interests of Trovogene and its stockholders. If the appointment is not ratified, the Board will reconsider whether or not to retain BDO.

The affirmative vote of a majority of the shares (by voting power) present in person at the Annual Meeting or represented by proxy and entitled to vote at the Annual Meeting is required to approve the ratification of the appointment of BDO USA, LLP as Trovogene's independent registered public accounting firm for the fiscal year ending December 31, 2018.

THE BOARD RECOMMENDS A VOTE FOR RATIFICATION OF THE APPOINTMENT OF BDO USA, LLP AS THE COMPANY'S INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM FOR THE FISCAL YEAR ENDING DECEMBER 31, 2018.

AUDIT COMMITTEE REPORT

*The following Audit Committee Report shall not be deemed to be soliciting material, deemed filed with the SEC or subject to the liabilities of Section 18 of the Securities Exchange Act of 1934, as amended (the **Exchange Act**). Notwithstanding anything to the contrary set forth in any of the Company's previous filings under the Securities Act of 1933, as amended, or the Exchange Act that might incorporate by reference future filings, including this Proxy Statement, in whole or in part, the following Audit Committee Report shall not be incorporated by reference into any such filings.*

The Audit Committee is comprised of three independent directors (as defined under NASDAQ Listing Rule 5605(a)(2)). The Audit Committee operates under a written charter, which is available on our website at <http://trovogene.investorroom.com/> under Corporate Governance.

We have reviewed and discussed with management the Company's audited consolidated financial statements as of and for the fiscal year ended December 31, 2017.

We have discussed with BDO USA, LLP, the Company's independent registered public accounting firm, the matters as required to be discussed by the Public Company Accounting Oversight Board (the **PCAOB**) Auditing Standard No. 1301 (Communications with Audit Committees).

We have received the written disclosures and the letter from BDO USA, LLP required by applicable requirements of the PCAOB regarding BDO USA, LLP's communications with the Audit Committee concerning independence, and have discussed with BDO USA, LLP, their independence from management and the Company.

Based on the review and discussions referred to above, we recommended to the Board that the financial statements referred to above be included in the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2017 for filing with the Securities and Exchange Commission.

Submitted by the Audit Committee
John Brancaccio, Chairman
Dr. Rodney S. Markin
Dr. Stanley Tennant

PROPOSAL 3

APPROVAL OF AN INCREASE TO THE NUMBER OF AUTHORIZED SHARES ISSUABLE UNDER THE 2014 EQUITY INCENTIVE PLAN

The Board adopted the 2014 Plan in June 2014 and the 2014 Plan was approved by our stockholders at our 2014 Annual Meeting. The Board initially authorized the issuance of up to 2,500,000 shares of common stock under the 2014 Plan, on June 10, 2015 at the 2015 Annual Meeting of Stockholders, our stockholders approved an increase in the number of shares authorized under the 2014 Plan to 5,000,000 shares and on May 17, 2016 at the 2016 Annual Meeting of Stockholders, our stockholders approved an increase in the number of shares authorized under the 2014 Plan to 7,500,000 shares. On June 13, 2017, at the 2017 Annual Meeting of Stockholders, our stockholders approved an increase in the number of shares authorized under the 2014 Plan to 9,500,000 shares.

On April 14, 2018, the Board approved an amendment to the 2014 Plan, subject to approval by our stockholders. The Board amended the 2014 Plan to provide for, and submits to our stockholders for approval, an increase in the number of shares of common stock that may be issued under the 2014 Plan by 8,000,000 shares. The additional shares will increase the total shares of common stock reserved for issuance under the 2014 Plan to an aggregate of 17,500,000 shares.

As of April 26, 2018, excluding the requested share increase, there were 326,957 shares of common stock available for issuance under the 2014 Plan.

Reasons for the Proposed Amendment

As described above, we are seeking stockholder approval of an amendment to increase the number of shares issuable pursuant to the 2014 Plan by 8,000,000 shares. In determining the amount of the increase contemplated by the proposed amendment to the 2014 Plan, the Board has taken into consideration the fact that, excluding the requested share increase, as of April 26, 2018, there were approximately 85,610,753 shares of our common stock outstanding on a fully-diluted basis, and the Board believes that this fully-diluted number, rather than the number of outstanding shares of the Company, is the relevant number in determining the appropriate number of shares available under the 2014 Plan. Assuming the approval of this increase, the total number of shares of our common stock available for issuance under the 2014 Plan will be 8,326,957, which represents approximately 9.7% of our common stock as calculated on a fully-diluted basis.

The purpose of this increase is to continue to be able to attract, retain and motivate executive officers and other employees, non-employee directors and certain consultants. Upon stockholder approval of the amendment, additional shares of common stock will be reserved for issuance under the 2014 Plan, which will enable us to continue to grant equity awards to our officers, employees, consultants and non-employee directors at levels determined by the Board to be necessary to attract, retain and motivate the individuals who will be critical to our success in achieving its business objectives and thereby creating greater value for all our stockholders. Furthermore, we believe that equity compensation aligns the interests of our management and other employees with the interests of our other stockholders. Equity awards are a key component of our incentive compensation program. We believe that option grants have been critical in attracting and retaining talented employees and officers, aligning their interests with those of stockholders, and focusing key employees on our long-term growth. We anticipate that option grants and other forms of equity awards such as restricted stock awards may become an increasing component in similarly motivating our consultants. In order to attract and retain qualified employees, we have had to grant stock options in excess of our historical equity burn rate.

Approval of the amendment to the 2014 Plan will permit us to continue to use stock-based compensation to align stockholder and employee interests and to motivate employees and others providing services to us or any subsidiary.

The terms of the 2014 Plan are summarized below.

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

The Compensation Committee carefully monitors our total dilution and equity expense to ensure that we maximize stockholder value by granting only the appropriate number of equity awards necessary to attract, retain and motivate employees.

Based on historical usage and our internal growth plans, we expect that the proposed increase of shares to be reserved for issuance under the 2014 Plan to 17,500,000 would be sufficient for grants of awards until approximately mid-2019, assuming we continue to grant awards consistent with our historical usage and current practices, as reflected in our recent historical burn rate discussed below, and noting that future circumstances may require us to change our current equity grant practices. If the adoption of the amendment to increase the number of shares reserved for issuance under the 2014 Plan is approved, the share reserve under the 2014 Plan could last for a longer or shorter period of time, depending on our future equity grant practices, which we cannot predict with any degree of certainty at this time.

The following table shows certain key equity metrics over the past three fiscal years:

Key Equity Metrics	2017	2016	2015
Equity burn rate ⁽¹⁾	11.7%	12.1%	10.3%
Overhang ⁽²⁾	17.4%	28.1%	27.9%

- (1) Equity burn rate is calculated by dividing the number of shares subject to equity awards granted during the fiscal year by the weighted-average number of shares outstanding during the period.
- (2) Overhang is calculated by dividing the sum of (x) the number of shares subject to equity awards outstanding at the end of the fiscal year and (y) the number of shares available for future grants, by the number of shares outstanding at the end of the fiscal year.

If the adoption of the amendment to increase the number of shares reserved for issuance under the 2014 Plan is approved, the issuance of the shares to be reserved under the 2014 Plan would dilute existing stockholders by an additional 13.4% on a fully diluted basis, based on the number of shares of our common stock outstanding as of December 31, 2017.

As described in the table above, the total aggregate equity value of the shares being requested for the increase in authorized shares under the 2014 Plan, based on the closing price of our common stock on April 25, 2018, is \$2,320,000.

In light of the factors described above, and the fact that the ability to continue to grant equity compensation is vital to our ability to continue to attract and retain employees in the competitive labor markets in which we compete, the Board has determined that the proposed adoption of the increase in the number of shares authorized for issuance under the 2014 Plan is reasonable and appropriate at this time. The Board will not create a subcommittee to evaluate the

risks and benefits for issuing the shares under the 2014 Plan.

Description of Our 2014 Equity Incentive Plan

Set forth below is a summary of the 2014 Plan, but this summary is qualified in its entirety by reference to the full text of the 2014 Plan, as amended, a copy of which is included as Appendix A to this proxy statement.

Shares Available

The 2014 Plan currently authorizes the issuance of 9,500,000 shares of common stock. As of April 26 2018, awards covering an aggregate of 9,173,043 shares were granted under the 2014 Plan and 326,957 shares were available for future awards under the 2014 Plan.

Administration

The 2014 Plan is administered by the Board or by one or more committees of directors appointed by the Board (the **Administrator**). The Board may delegate different levels of authority to different committees with administrative and grant authority under the 2014 Plan. Any committee delegated administrative authority under the 2014 Plan may further delegate its authority under the Plan to another committee of directors, and any such delegate shall be deemed to be an Administrator of the 2014 Plan. The Administrator comprised solely of directors may also delegate, to the extent permitted by Section 157 of the Delaware General Corporation Law and any other applicable law, to one or more officers of the Company, its powers under this Plan (a) to designate Eligible Persons who will receive grants of awards under this Plan, and (b) to determine the number of shares subject to, and the other terms and conditions of, such awards. It is anticipated that the Administrator (either generally or with respect to specific transactions) will be constituted so as to comply, as necessary or desirable, with the requirements of Section 162(m) of Internal Revenue Code of 1986, as amended (the **Code**), and Rule 16b-3 promulgated under the Exchange Act.

Eligibility

Awards may be granted pursuant to the 2014 Plan only to persons who are eligible persons. Under the 2014 Plan, **Eligible Person** means any person who is either: (a) an officer (whether or not a director) or employee of the Company or one of its subsidiaries; (b) a director of the Company or one of its subsidiaries; or (c) a consultant who renders bona fide services to the Company or one of its subsidiaries; provided, however, that Incentive Stock Options (**ISOs**) may be granted only to employees.

Awards

The 2014 Plan permits the grant of: (a) stock options, which may be intended as ISOs or as nonqualified stock options (options not meeting the requirements to qualify as ISOs); (b) stock appreciation rights (**SARs**); (c) restricted stock; (d) restricted stock units; (e) cash incentive awards; or (f) other awards, including: (i) stock bonuses, performance stock, performance units, dividend equivalents, or similar rights to purchase or acquire shares, whether at a fixed or variable price or ratio related to the common stock, upon the passage of time, the occurrence of one or more events, or the satisfaction of performance criteria or other conditions, or any combination thereof; or (ii) any similar securities with a value derived from the value of or related to the common stock and/or returns thereon.

Consideration for Awards

The purchase price for any award granted under the 2014 Plan or the common stock to be delivered pursuant to any such award, as applicable, may be paid by means of any lawful consideration as determined by the Administrator, including, without limitation, one or a combination of the following methods:

services rendered by the recipient of such award;

cash, check payable to the order of the Company, or electronic funds transfer;

notice and third party payment in such manner as may be authorized by the Administrator;

the delivery of previously owned and fully vested shares of common stock;

by a reduction in the number of shares otherwise deliverable pursuant to the award; or

subject to such procedures as the Administrator may adopt, pursuant to a cashless exercise with a third party who provides financing for the purposes of (or who otherwise facilitates) the purchase or exercise of awards.

Certain Federal Tax Consequences

The following summary of the federal income tax consequences of the 2014 Plan transactions is based upon federal income tax laws in effect as of April 26, 2018. This summary does not purport to be complete, and does not discuss state, local or non-U.S. tax consequences.

Nonqualified Stock Options. The grant of a nonqualified stock option under the 2014 Plan will not result in any federal income tax consequences to the participant or to the Company. Upon exercise of a nonqualified stock option, the participant will recognize ordinary compensation income equal to the excess of the fair market value of the shares of Common stock at the time of exercise over the option exercise price. If the participant is an employee, this income is subject to withholding for federal income and employment tax purposes. The Company is entitled to an income tax deduction in the amount of the income recognized by the participant, subject to possible limitations imposed by the Code, including Section 162(m) thereof. Any gain or loss on the participant's subsequent disposition of the shares will be treated as long-term or short-term capital gain or loss, depending on the sales proceeds received and whether the shares are held for more than one year following exercise. The Company does not receive a tax deduction for any subsequent capital gain.

Incentive Options. The grant of an ISO under the 2014 Plan will not result in any federal income tax consequences to the participant or to the Company. A participant recognizes no federal taxable income upon exercising an ISO (subject to the alternative minimum tax rules discussed below), and the Company receives no deduction at the time of exercise. In the event of a disposition of stock acquired upon exercise of an ISO, the tax consequences depend upon how long the participant has held the shares. If the participant does not dispose of the shares within two years after the ISO was granted, nor within one year after the ISO was exercised, the participant will recognize a long-term capital gain (or loss) equal to the difference between the sale price of the shares and the exercise price. The Company is not entitled to any deduction under these circumstances.

If the participant fails to satisfy either of the foregoing holding periods (referred to as a disqualifying disposition), he or she will recognize ordinary compensation income in the year of the disposition. The amount of ordinary compensation income generally is the lesser of (i) the difference between the amount realized on the disposition and the exercise price or (ii) the difference between the fair market value of the stock at the time of exercise and the exercise price. Such amount is not subject to withholding for federal income and employment tax purposes, even if the participant is an employee of the Company. Any gain in excess of the amount taxed as ordinary income will generally be treated as a short-term capital gain. The Company, in the year of the disqualifying disposition, is entitled to a deduction equal to the amount of ordinary compensation income recognized by the participant, subject to possible limitations imposed by the Code, including Section 162(m) thereof.

The spread under an ISO i.e., the difference between the fair market value of the shares at exercise and the exercise price is classified as an item of adjustment in the year of exercise for purposes of the alternative minimum tax. If a participant's alternative minimum tax liability exceeds such participant's regular income tax liability, the participant will owe the alternative minimum tax liability.

Restricted Stock. Restricted stock is generally taxable to the participant as ordinary compensation income on the date that the restrictions lapse (i.e. the date that the stock vests), in an amount equal to the excess of the fair market value of the shares on such date over the amount paid for such stock (if any). If the participant is an employee, this income is subject to withholding for federal income and employment tax purposes. The Company is entitled to an income tax deduction in the amount of the ordinary income recognized by the participant, subject to possible limitations imposed by the Code, including Section 162(m) thereof. Any gain or loss on the

participant's subsequent disposition of the shares will be treated as long-term or short-term capital gain or loss treatment depending on the sales price and how long the stock has been held since the restrictions lapsed. The Company does not receive a tax deduction for any subsequent gain.

Participants receiving restricted stock awards may make an election under Section 83(b) of the Code (**Section 83(b) Election**) to recognize as ordinary compensation income in the year that such restricted stock is granted, the amount equal to the excess of the fair market value on the date of the issuance of the stock over the amount paid for such stock. If such an election is made, the recipient recognizes no further amounts of compensation income upon the lapse of any restrictions and any gain or loss on subsequent disposition will be long-term or short-term capital gain or loss to the recipient. The Section 83(b) Election must be made within 30 days from the time the restricted stock is issued.

Other Awards. Other awards (such as restricted stock units) are generally treated as ordinary compensation income as and when common stock or cash are paid to the participant upon vesting or settlement of such awards. If the participant is an employee, this income is subject to withholding for income and employment tax purposes. The Company is generally entitled to an income tax deduction equal to the amount of ordinary income recognized by the recipient, subject to possible limitations imposed by the Code, including Section 162(m) thereof.

Section 162(m) Limitation. In general, under Section 162(m), income tax deductions of publicly-held corporations may be limited to the extent total compensation (including base salary, annual bonus, stock option exercises and non-qualified benefits paid) for certain executive officers exceeds \$1 million (less the amount of any excess parachute payments as defined in Section 280G of the Code) in any one year. Prior to the Tax Cuts and Jobs Act of 2017 (the TCJA), covered employees generally consisted of our Chief Executive Officer and each of the next three highest compensated officers serving at the end of the taxable year other than our Chief Financial Officer, and compensation that qualified as performance-based under Section 162(m) was exempt from this \$1 million deduction limitation. As part of the TCJA, the ability to rely on this exemption was, with certain limited exceptions, eliminated; in addition, the definition of covered employees was expanded to generally include all named executive officers. Certain awards under the 2014 Plan granted prior to November 2, 2017 may be grandfathered from the changes made by the TCJA under certain limited transition relief, however, for grants after that date and any grants which are not grandfathered, we will no longer be able to take a deduction for any compensation in excess of \$1 million that is paid to a covered employee. There is no guarantee that we will be able to take a deduction for any compensation in excess of \$1 million that is paid to a covered employee under the 2014 Plan.

SECURITIES AUTHORIZED FOR ISSUANCE UNDER EQUITY COMPENSATION PLANS

The following table summarizes information about our equity compensation plans as of December 31, 2017.

	Number of Shares of Common Stock to be Issued upon Exercise of Outstanding Options, Warrants and Rights (a)	Weighted- Average Exercise Price of Outstanding Options, Warrants and Rights (b)	Number of Options Remaining Available for Future Issuance Under Equity Compensation Plans (excluding securities reflected in column (a)) (c)
Equity Compensation Plans Approved by Stockholders	5,710,611	\$ 3.15	3,436,788
Equity Compensation Plans Not Approved by Stockholders ⁽¹⁾	54,166	\$ 3.35	
Total	5,764,777		3,436,788

⁽¹⁾ Represents the following options to purchase common stock granted on November 17, 2010: (i) an option to purchase 8,333 shares with an exercise price of \$3.00 per share, (ii) an option to purchase 33,333 shares with an exercise price of \$3.00 per share, and (iii) an option to purchase 12,500 shares with an exercise price of \$4.50 per share. All the options were vested in full on the date of grant and will expire on November 17, 2020.

Vote Required

The affirmative vote of a majority of the shares (by voting power) present in person at the Annual Meeting or represented by proxy and entitled to vote at the Annual Meeting is required to approve the amendment to the 2014 Plan.

Board Recommendation

THE BOARD RECOMMENDS A VOTE FOR APPROVAL OF AN AMENDMENT TO THE COMPANY S 2014 PLAN TO INCREASE THE NUMBER OF SHARES AVAILABLE FOR ISSUANCE FROM 9,500,000 TO 17,500,000 SHARES.

PROPOSAL 4

TO GRANT DISCRETIONARY AUTHORITY TO THE COMPANY'S BOARD TO AMEND THE CERTIFICATE OF INCORPORATION OF THE COMPANY TO EFFECT THE REVERSE STOCK SPLIT.

The Board deems it advisable and in the best interest of the Company that the Board be granted the discretionary authority to amend the Company's certificate of incorporation to effect a Reverse Stock Split of the Company's issued and outstanding common stock as described below (the **Reverse Stock Split Amendment**).

The form of Reverse Stock Split Amendment to be filed with the Delaware Secretary of State is set forth in Appendix B.

Approval of the proposal would permit (but not require) our Board to effect one or more reverse stock splits of our issued and outstanding common stock by a ratio of not less than one-for-3 and not more than one-for-18, with the exact ratio to be set at a number within this range as determined by our Board in its sole discretion, provided that the Board determines to effect the Reverse Stock Split and such amendment is filed with the appropriate authorities in the State of Delaware no later than May 30, 2019. The Company shall not effect a Reverse Stock Split that, in the aggregate, exceeds one-for-18. We believe that enabling our Board to set the ratio within the stated range will provide us with the flexibility to implement the Reverse Stock Split in a manner designed to maximize the anticipated benefits for our stockholders. In determining a ratio, if any, our Board may consider, among other things, factors such as:

the initial or continuing listing requirements of various stock exchanges, including The Nasdaq Capital Market;

the historical trading price and trading volume of our common stock;

the number of shares of our common stock outstanding;

the then-prevailing trading price and trading volume of our common stock and the anticipated impact of the Reverse Stock Split on the trading market for our common stock;

the anticipated impact of a particular ratio on our ability to reduce administrative and transactional costs; and

prevailing general market and economic conditions.

Our Board reserves the right to elect to abandon the Reverse Stock Split, including any or all proposed reverse stock split ratios, if it determines, in its sole discretion, that the Reverse Stock Split is no longer in the best interests of the Company and its stockholders.

Depending on the ratio for the Reverse Stock Split determined by our Board, no less than 3 and no more than 18 shares of existing Common Stock, as determined by our Board, will be combined into one share of common stock. Our Board will have the discretionary authority to determine whether to arrange for the disposition of fractional interests by holder entitled thereto, to pay in cash the fair value of fractions of a share as of the time when those entitled to receive such fractions are determined, or to entitle holders to receive from the Company transfer agent, in

lieu of any fractional share, the number of shares rounded up to the next whole number. The amendment to our certificate of incorporation to effect a Reverse Stock Split, if any, will include only the reverse split ratio determined by our Board to be in the best interests of our stockholders and all of the other proposed amendments at different ratios will be abandoned.

Reasons for the Reverse Stock Split; Potential Consequences of the Reverse Stock Split

The Company's primary reasons for approving and recommending the Reverse Stock Split are to make the common stock more attractive to certain institutional investors, which would provide for a stronger investor base and to increase the per share price and bid price of our common stock to regain compliance with the continued listing requirements of Nasdaq.

On September 5, 2017, the Company received a written notice from the Nasdaq Stock Market LLC (**Nasdaq**) that the Company is not in compliance with Nasdaq Listing Rule 5550(a)(2), as the minimum bid price of the Company's common stock has been below \$1.00 per share for 30 consecutive business days. In accordance with Nasdaq Listing Rule 5810(c)(3)(A), the Company had a period of 180 calendar days, or until March 5, 2018, to regain compliance with the minimum bid price requirement. On March 6, 2018, the Nasdaq staff notified the Company that it had not regained compliance with Nasdaq Listing Rule 5550(a)(2) and was eligible for a second 180 day period, or until September 4, 2018 to regain compliance with the minimum bid requirement.

Reducing the number of outstanding shares of common stock should, absent other factors, generally increase the per share market price of the common stock. Although the intent of the Reverse Stock Split is to increase the price of the common stock, there can be no assurance, however, that even if the Reverse Stock Split is effected, that the Company's bid price of the Company's common stock will be sufficient for the Company to regain compliance with the Nasdaq minimum bid price requirement.

In addition, the Company believes the Reverse Stock Split will make its common stock more attractive to a broader range of investors, as it believes that the current market price of the common stock may prevent certain institutional investors, professional investors and other members of the investing public from purchasing stock. Many brokerage houses and institutional investors have internal policies and practices that either prohibit them from investing in low-priced stocks or tend to discourage individual brokers from recommending low-priced stocks to their customers. Furthermore, some of those policies and practices may function to make the processing of trades in low-priced stocks economically unattractive to brokers. Moreover, because brokers' commissions on low-priced stocks generally represent a higher percentage of the stock price than commissions on higher-priced stocks, the current average price per share of common stock can result in individual stockholders paying transaction costs representing a higher percentage of their total share value than would be the case if the share price were higher. The Company believes that the Reverse Stock Split will make the common stock a more attractive and cost effective investment for many investors, which in turn would enhance the liquidity of the holders of common stock.

Reducing the number of outstanding shares of our common stock through the Reverse Stock Split is intended, absent other factors, to increase the per share market price of our common stock. However, other factors, such as our financial results, market conditions and the market perception of our business may adversely affect the market price of our common stock. As a result, there can be no assurance that the Reverse Stock Split, if completed, will result in the intended benefits described above, that the market price of our common stock will increase following the Reverse Stock Split, that as a result of the Reverse Stock Split we will be able to meet or maintain a bid price over the minimum bid price requirement of Nasdaq or that the market price of our common stock will not decrease in the future. Additionally, we cannot assure you that the market price per share of our common stock after the Reverse Stock Split will increase in proportion to the reduction in the number of shares of our common stock outstanding before the Reverse Stock Split. Accordingly, the total market capitalization of our common stock after the Reverse Stock Split may be lower than the total market capitalization before the Reverse Stock Split.

Procedure for Implementing the Reverse Stock Split

The Reverse Stock Split will become effective upon the filing or such later time as specified in the filing (the **Effective Time**) of the Reverse Stock Split Amendment with the Delaware Secretary of State. The form of the Reverse Stock Split Amendment is attached hereto as Appendix B. The exact timing of the filing of the Reverse Stock Split Amendment and the ratio of the Reverse Stock Split (within the approved range) will be determined by our Board based on its evaluation as to when such action and at what ratio will be the most advantageous to the Company and our stockholders. In addition, our Board reserves the right, notwithstanding stockholder approval and without further action by the stockholders, to elect not to proceed with the Reverse Stock Split if, at any time prior to filing the Reverse Stock Split Amendment, our Board, in its sole discretion,

determines that it is no longer in our best interest and the best interests of our stockholders to proceed with the Reverse Stock Split. If the Reverse Stock Split Amendment has not been filed with the Delaware Secretary of State by May 30, 2019, our Board will abandon the Reverse Stock Split.

Effect of the Reverse Stock Split on Holders of Outstanding Common Stock

Depending on the ratio for the Reverse Stock Split determined by our Board, a minimum of 3 and a maximum of 18 shares in aggregate of existing common stock will be combined into one new share of common stock. Based on 59,387,162 shares of common stock issued and outstanding as of the record date, immediately following the Reverse Stock Split the Company would have approximately 19,792,721 shares of common stock issued and outstanding (without giving effect to rounding for fractional shares) if the ratio for the reverse split is 1-for-3, approximately 5,937,817 shares of common stock issued and outstanding (without giving effect to rounding for fractional shares) if the ratio for the reverse split is 1-for-10, and approximately 3,298,787 shares of common stock issued and outstanding (without giving effect to rounding for fractional shares) if the ratio for the reverse split is 1-for-18, which is the aggregate ratio allowed under this proposal. Any other ratios selected within such range would result in a number of shares of common stock issued and outstanding following the transaction between 3,298,787 and 19,792,721 shares.

The actual number of shares issued after giving effect to the Reverse Stock Split, if implemented, will depend on the Reverse Stock Split ratio and the number of Reverse Stock Splits, if any, that are ultimately determined by our Board.

The Reverse Stock Split will affect all holders of our common stock uniformly and will not affect any stockholder's percentage ownership interest in the Company, except that as described below in *Fractional Shares*, record holders of Common Stock otherwise entitled to a fractional share as a result of the Reverse Stock Split will be rounded up to the next whole number. In addition, the Reverse Stock Split will not affect any stockholder's proportionate voting power (subject to the treatment of fractional shares).

The Reverse Stock Split may result in some stockholders owning odd lots of less than 100 shares of common stock. Odd lot shares may be more difficult to sell, and brokerage commissions and other costs of transactions in odd lots are generally somewhat higher than the costs of transactions in round lots of even multiples of 100 shares.

After the Effective Time, our common stock will have new Committee on Uniform Securities Identification Procedures (CUSIP) numbers, which is a number used to identify our equity securities, and stock certificates with the older CUSIP numbers will need to be exchanged for stock certificates with the new CUSIP numbers by following the procedures described below. After the Effective Time, we will continue to be subject to the periodic reporting and other requirements of the Securities Exchange Act of 1934 and our common stock will continue to be quoted on The Nasdaq Capital Market under the symbol TROV. The Reverse Stock Split is not intended as, and will not have the effect of, a going private transaction as described by Rule 13e-3 under the Exchange Act.

After the Effective Time of the Reverse Stock Split, the post-split market price of our common stock may be less than the pre-split price multiplied by the Reverse Stock Split ratio. In addition, a reduction in number of shares outstanding may impair the liquidity for our common stock, which may reduce the value of our common stock.

Authorized Shares of Common Stock

The Reverse Stock Split will not change the number of authorized shares of the Company's common stock under the Company's certificate of incorporation. Because the number of issued and outstanding shares of common stock will decrease, the number of shares of common stock remaining available for issuance will increase. Currently, under our certificate of incorporation, our authorized capital stock consists of 150,000,000 shares of common stock.

Subject to limitations imposed by Nasdaq, the additional shares available for issuance may be issued without stockholder approval at any time, in the sole discretion of our Board. The authorized and unissued shares may be issued for cash, for acquisitions or for any other purpose that is deemed in the best interests of the Company.

By increasing the number of authorized but unissued shares of common stock, the Reverse Stock Split could, under certain circumstances, have an anti-takeover effect, although this is not the intent of the Board. For example, it may be possible for the Board to delay or impede a takeover or transfer of control of the Company by causing such additional authorized but unissued shares to be issued to holders who might side with the Board in opposing a takeover bid that the Board determines is not in the best interests of the Company or its stockholders. The Reverse Stock Split therefore may have the effect of discouraging unsolicited takeover attempts. By potentially discouraging initiation of any such unsolicited takeover attempts the Reverse Stock Split may limit the opportunity for the Company's stockholders to dispose of their shares at the higher price generally available in takeover attempts or that may be available under a merger proposal. The Reverse Stock Split may have the effect of permitting the Company's current management, including the current Board, to retain its position, and place it in a better position to resist changes that stockholders may wish to make if they are dissatisfied with the conduct of the Company's business. However, the Board is not aware of any attempt to take control of the Company and the Board has not approved the Reverse Stock Split with the intent that it be utilized as a type of anti-takeover device.

Beneficial Holders of Common Stock (i.e. stockholders who hold in street name)

Upon the implementation of the Reverse Stock Split, we intend to treat shares held by stockholders through a bank, broker, custodian or other nominee in the same manner as registered stockholders whose shares are registered in their names. Banks, brokers, custodians or other nominees will be instructed to effect the Reverse Stock Split for their beneficial holders holding our common stock in street name. However, these banks, brokers, custodians or other nominees may have different procedures than registered stockholders for processing the Reverse Stock Split. Stockholders who hold shares of our common stock with a bank, broker, custodian or other nominee and who have any questions in this regard are encouraged to contact their banks, brokers, custodians or other nominees.

Registered Book-Entry Holders of Common Stock (i.e. stockholders that are registered on the transfer agent's books and records but do not hold stock certificates)

Certain of our registered holders of common stock may hold some or all of their shares electronically in book-entry form with the transfer agent. These stockholders do not have stock certificates evidencing their ownership of the common stock. They are, however, provided with a statement reflecting the number of shares registered in their accounts.

Stockholders who hold shares electronically in book-entry form with the transfer agent will not need to take action (the exchange will be automatic) to receive whole shares of post-Reverse Stock Split common stock, subject to adjustment for treatment of fractional shares.

Holders of Certificated Shares of Common Stock

Stockholders holding shares of our common stock in certificated form will be sent a transmittal letter by our transfer agent after the Effective Time. The letter of transmittal will contain instructions on how a stockholder should surrender his, her or its certificate(s) representing shares of our common stock (the **Old Certificates**) to the transfer agent in exchange for certificates representing the appropriate number of whole shares of post-Reverse Stock Split common stock (the **New Certificates**). No New Certificates will be issued to a stockholder until such stockholder has surrendered all Old Certificates, together with a properly completed and executed

letter of transmittal, to the transfer agent. No stockholder will be required to pay a transfer or other fee to exchange his, her or its Old Certificates. Stockholders will then receive a New Certificate(s) representing the number of whole shares of common stock that they are entitled as a result of the Reverse Stock Split, subject to the treatment of fractional shares described below. Until surrendered, we will deem outstanding Old Certificates held by stockholders to be cancelled and only to represent the number of whole shares of post-Reverse Stock Split common stock to which these stockholders are entitled, subject to the treatment of fractional shares. Any Old Certificates submitted for exchange, whether because of a sale, transfer or other disposition of stock, will automatically be exchanged for New Certificates. If an Old Certificate has a restrictive legend on the back of the Old Certificate(s), the New Certificate will be issued with the same restrictive legends that are on the back of the Old Certificate(s).

The Company expects that our transfer agent will act as exchange agent for purposes of implementing the exchange of stock certificates. No service charges will be payable by holders of shares of common stock in connection with the exchange of certificates. All of such expenses will be borne by the Company.

STOCKHOLDERS SHOULD NOT DESTROY ANY STOCK CERTIFICATE(S) AND SHOULD NOT SUBMIT ANY STOCK CERTIFICATE(S) UNTIL REQUESTED TO DO SO.

Fractional Shares

The Board will have the discretionary authority to determine whether to arrange for the disposition of fractional interests by stockholders entitled thereto, to pay in cash the fair value of fractions of a share as of the time when those entitled to receive such fractions are determined, or to entitle stockholders to receive from the Company's transfer agent, in lieu of any fractional share, the number of shares rounded up to the next whole number.

If the Board determines to arrange for the disposition of fractional interests by stockholders entitled thereto or to pay in cash the fair value of fractions of a share as of the time when those entitled to receive such fractions are determined, stockholders who would otherwise hold fractional shares because the number of shares of common stock they hold before the Reverse Stock Split is not evenly divisible by the ratio ultimately selected by the Board will be entitled to receive cash (without interest or deduction) in lieu of such fractional shares from either: (i) the Company, upon receipt by the transfer agent of a properly completed and duly executed transmittal letter and, where shares are held in certificated form, upon due surrender of any certificate previously representing a fractional share, in an amount equal to such holder's fractional share based upon the closing sale price of the common stock on the trading day immediately prior to the Effective Time as reported on the Nasdaq Capital Market, or other principal market of the common stock, as applicable, as of the date the Reverse Stock Split is effected; or (ii) the transfer agent, upon receipt by the transfer agent of a properly completed and duly executed transmittal letter and, where shares are held in certificated form, the surrender of all old certificate(s), in an amount equal to the proceeds attributable to the sale of such fractional shares following the aggregation and sale by the transfer agent of all fractional shares otherwise issuable. If the Board determines to dispose of fractional interests pursuant to clause (ii) above, the Company expects that the transfer agent would conduct the sale in an orderly fashion at a reasonable pace and that it may take several days to sell all of the aggregated fractional shares of Common Stock. In this event, such holders would be entitled to an amount equal to their pro rata share of the proceeds of such sale. The Company will be responsible for any brokerage fees or commissions related to the transfer agent's open market sales of shares that would otherwise be fractional shares.

The ownership of a fractional share interest following the Reverse Stock Split will not give the holder any voting, dividend or other rights, except to receive the cash payment, or, if the Board so determines, to receive the number of shares rounded up to the next whole number, as described above.

Stockholders should be aware that, under the escheat laws of various jurisdictions, sums due for fractional interests that are not timely claimed after the effective time of the Reverse Stock Split may be required to be paid to the designated agent for each such jurisdiction, unless correspondence has been received by the Company or the transfer agent concerning ownership of such funds within the time permitted in such jurisdiction. Thereafter, if applicable, stockholders otherwise entitled to receive such funds, but who do not receive them due to, for example, their failure to timely comply with the transfer agent's instructions, will have to seek to obtain such funds directly from the state to which they were paid.

Effect of the Reverse Stock Split on Employee and Consultant Plans, Options, Restricted Stock Awards and Units, Warrants, and Convertible or Exchangeable Securities

Based upon the Reverse Stock Split ratio determined by the Board, proportionate adjustments are generally required to be made to the per share exercise price and the number of shares issuable upon the exercise or conversion of all outstanding options, warrants, convertible or exchangeable securities entitling the holders to purchase, exchange for, or convert into, shares of common stock. This would result in approximately the same aggregate price being required to be paid under such options, warrants, convertible or exchangeable securities upon exercise, and approximately the same value of shares of common stock being delivered upon such exercise, exchange or conversion, immediately following the Reverse Stock Split as was the case immediately preceding the Reverse Stock Split. The number of shares deliverable upon settlement or vesting of restricted stock awards will be similarly adjusted, subject to our treatment of fractional shares. The number of shares reserved for issuance pursuant to these securities will be proportionately based upon the Reverse Stock Split determined by the Board, subject to our treatment of fractional shares.

Accounting Matters

The Reverse Stock Split Amendment will not affect the par value of our Common Stock per share, which will remain \$0.0001 par value per share. As a result, as of the Effective Time, the stated capital attributable to common stock and the additional paid-in capital account on our balance sheet, on aggregate, will not change due to the Reverse Stock Split. Reported per share net income or loss will be higher because there will be fewer shares of common stock outstanding.

Certain Federal Income Tax Consequences of the Reverse Stock Split

The following summary describes certain material U.S. federal income tax consequences of the Reverse Stock Split to holders of our common stock.

Unless otherwise specifically indicated herein, this summary addresses the tax consequences only to a beneficial owner of our common stock that is a citizen or individual resident of the United States, a corporation organized in or under the laws of the United States or any state thereof or the District of Columbia or otherwise subject to U.S. federal income taxation on a net income basis in respect of our common stock (a **U.S. holder**). A trust may also be a U.S. holder if (1) a U.S. court is able to exercise primary supervision over administration of such trust and one or more U.S. persons have the authority to control all substantial decisions of the trust or (2) it has a valid election in place to be treated as a U.S. person. An estate whose income is subject to U.S. federal income taxation regardless of its source may also be a U.S. holder. This summary does not address all of the tax consequences that may be relevant to any particular investor, including tax considerations that arise from rules of general application to all taxpayers or to certain classes of taxpayers or that are generally assumed to be known by investors. This summary also does not address the tax consequences to (i) persons that may be subject to special treatment under U.S. federal income tax law, such as banks, insurance companies, thrift institutions, regulated investment companies, real estate investment trusts, tax-exempt organizations, U.S. expatriates, persons subject to the alternative minimum tax, traders in securities that elect to mark to market and dealers in securities or currencies, (ii) persons that hold our common stock as part of a

position in a straddle or as part of a hedging, conversion or other integrated investment transaction for federal income tax purposes, or (iii) persons that do not hold our common stock as capital assets (generally, property held for investment).

If a partnership (or other entity classified as a partnership for U.S. federal income tax purposes) is the beneficial owner of our common stock, the U.S. federal income tax treatment of a partner in the partnership will generally depend on the status of the partner and the activities of the partnership. Partnerships that hold our Common Stock, and partners in such partnerships, should consult their own tax advisors regarding the U.S. federal income tax consequences of the Reverse Stock Split.

This summary is based on the provisions of the Code, U.S. Treasury regulations, administrative rulings and judicial authority, all as in effect as of the date of this information statement. Subsequent developments in U.S. federal income tax law, including changes in law or differing interpretations, which may be applied retroactively, could have a material effect on the U.S. federal income tax consequences of the Reverse Stock Split.

PLEASE CONSULT YOUR OWN TAX ADVISOR REGARDING THE U.S. FEDERAL, STATE, LOCAL, AND FOREIGN INCOME AND OTHER TAX CONSEQUENCES OF THE REVERSE STOCK SPLIT IN YOUR PARTICULAR CIRCUMSTANCES UNDER THE INTERNAL REVENUE CODE AND THE LAWS OF ANY OTHER TAXING JURISDICTION.

U.S. Holders

The Reverse Stock Split should be treated as a recapitalization for U.S. federal income tax purposes. Therefore, a stockholder generally will not recognize gain or loss on the Reverse Stock Split, except to the extent of cash, if any, received in lieu of a fractional share interest in the post-Reverse Stock Split shares. The aggregate tax basis of the post-split shares received will be equal to the aggregate tax basis of the pre-split shares exchanged therefore (excluding any portion of the holder's basis allocated to fractional shares), and the holding period of the post-split shares received will include the holding period of the pre-split shares exchanged. A holder of the pre-split shares who receives cash will generally recognize gain or loss equal to the difference between the portion of the tax basis of the pre-split shares allocated to the fractional share interest and the cash received. Such gain or loss will be a capital gain or loss and will be short term if the pre-split shares were held for one year or less and long term if held more than one year. No gain or loss will be recognized by us as a result of the Reverse Stock Split.

No Appraisal Rights

Under Delaware law and our charter documents, holders of our common stock will not be entitled to dissenter's rights or appraisal rights with respect to the Reverse Stock Split.

Vote Required

The affirmative vote of a majority of the shares of common stock outstanding and entitled to vote at the Annual Meeting will be required to approve the Reverse Stock Split.

Board Recommendation

OUR BOARD RECOMMENDS THAT THE STOCKHOLDERS VOTE FOR APPROVAL OF THE REVERSE STOCK SPLIT.

SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT

The following table sets forth certain information regarding beneficial ownership of shares of our common stock as of April 26, 2018 by (i) each person known to beneficially own more than 5% of our outstanding common stock, (ii) each of our directors, (iii) each of our named executive officers (as defined in *Summary Compensation Table* below), and (iv) all of our directors and executive officers as a group. Except as otherwise indicated, the persons named in the table below have sole voting and investment power with respect to all shares beneficially owned, subject to community property laws, where applicable.

Name of Beneficial Owner ⁽¹⁾	Shares of Common Stock Beneficially Owned	Percentage ⁽²⁾
Executive officers and directors:		
Thomas Adams	772,494 ⁽³⁾	1.3
William Welch	1,895,770 ⁽⁴⁾	3.1
Paul Billings	106,395 ⁽⁵⁾	*
John Brancaccio	189,441 ⁽⁶⁾	*
Gary Jacob	306,793 ⁽⁷⁾	*
Stanley Tennant	402,703 ⁽⁸⁾	*
Rodney S. Markin	90,840 ⁽⁹⁾	*
Athena Countouriotis		
Mark Erlander	1,419,681 ⁽¹⁰⁾	2.3
All Officers and Directors as a Group (9 persons)	5,184,117 ⁽¹¹⁾	8.3

* less than 1%

(1) The address of each person is c/o Trovagene, Inc., 11055 Flintkote Avenue, Suite A, San Diego, CA 92121 unless otherwise indicated herein.

(2) The calculation in this column is based upon 59,378,162 shares of common stock outstanding on April 26, 2018. Beneficial ownership is determined in accordance with the rules of the SEC and generally includes voting or investment power with respect to the subject securities. Shares of common stock that are currently exercisable or exercisable within 60 days of April 26, 2018 are deemed to be beneficially owned by the person holding such securities for the purpose of computing the percentage beneficial ownership of such person, but are not treated as outstanding for the purpose of computing the percentage beneficial ownership of any other person.

(3) Includes (i) 374,849 shares of common stock issuable upon exercise of stock options that are exercisable within 60 days after April 26, 2018, and (ii) 45,686 shares of common stock issuable upon exercise of warrants that are exercisable within 60 days April 26, 2018.

(4) Includes 1,053,125 shares of common stock issuable upon exercise of stock options that are exercisable within 60 days after April 26, 2018.

(5) Includes 83,230 shares of common stock issuable upon exercise of stock options that are exercisable within 60 days after April 26, 2018.

(6) Includes (i) 132,441 shares of common stock issuable upon exercise of stock options that are exercisable within 60 days after April 26, 2018, and (ii) 13,833 shares of common stock issuable upon exercise of warrants that are exercisable within 60 days after April 26, 2018.

(7) Includes (i) 147,339 shares of common stock issuable upon exercise of stock options that are exercisable within 60 days after April 26, 2018, and (ii) 10,500 shares of common stock issuable upon exercise of warrants that are

- exercisable within 60 days after April 26, 2018.
- (8) Includes (i) 93,158 shares of common stock issuable upon exercise of stock options that are exercisable within 60 days after April 26, 2018, and (ii) 75,000 shares of common stock issuable upon exercise of warrants that are exercisable within 60 days after April 26, 2018.
 - (9) Includes 68,230 shares of common stock issuable upon exercise of stock options that are exercisable within 60 days after April 26, 2018.

- (10) Includes 1,315,314 shares of common stock issuable upon exercise of stock options that are exercisable within 60 days after April 26, 2018.
- (11) Includes (i) 3,267,686 shares of common stock issuable upon exercise of stock options that are exercisable within 60 days after April 26, 2018 and (ii) 145,019 shares of common stock issuable upon exercise of warrants to purchase shares of common stock that are exercisable within 60 days after April 26, 2018.

Executive Officers

The names of our executive officers and their ages as of April 26, 2018, positions, and biographies are set forth below. Mr. Welch's background is discussed under the section *Information with Respect to Director Nominees*.

Name	Age	Position
William (Bill) Welch	56	Chief Executive Officer, Principal Financial Officer and Director
Mark Erlander, Ph.D.	58	Chief Scientific Officer

Mark Erlander, Ph.D. Mark Erlander, Ph.D., has been our Chief Scientific Officer since March 2013. Dr. Erlander has more than 18 years of experience directing and leading research and development for gene discovery, with a strong focus on molecular diagnostics. Prior to joining Trovogene, Dr. Erlander was Chief Scientific Officer at bioTheranostics (a bioMerieux company) a molecular diagnostic testing company that is focused on clinical applications in oncology, from September 2008 to February 2013. From March 2013 to March 2014, Dr. Erlander served as Chief Scientific Officer of Gensignia Life Sciences, Inc., a molecular diagnostics company. Previously, Dr. Erlander was a group leader and subsequently a research fellow at the R.W. Johnson Pharmaceutical Research Institute (Johnson & Johnson). He was also an assistant member and postdoctoral fellow at The Scripps Research Institute in the Department of Molecular Biology. Dr. Erlander holds a BS degree in Biochemistry from the University of California, Davis; an MS degree in Biochemistry from Iowa State University; and a Ph.D. in Neuroscience from the University of California, Los Angeles. Dr. Erlander is an accomplished researcher with 32 issued U.S. patents and 38 U.S. patent applications, and is a lead or contributing author on more than 70 scientific papers and review articles.

SECTION 16(A) BENEFICIAL OWNERSHIP REPORTING COMPLIANCE

Section 16(a) of the Exchange Act requires our officers and directors, and persons who own more than ten percent of a registered class of our equity securities, to file reports of ownership and changes in ownership with the SEC. Officers, directors, and greater than ten percent (10%) stockholders are required by SEC regulations to furnish us with copies of all Section 16(a) forms they file.

Based on a review of the copies of such forms received, we believe that during 2017, all filing requirements applicable to our officers, directors, and greater than ten percent (10%) beneficial owners were complied with.

EXECUTIVE COMPENSATION
Summary Compensation Table

The following table provides certain summary information concerning compensation awarded to, earned by or paid to our Principal Executive Officer and Principal Financial Officer and the two other highest paid executive officers whose total annual salary and bonus exceeded \$100,000 (collectively, the **Named Executive Officers**) for fiscal year 2017.

Name and Principal Position	Year	Summary Compensation Table				Total (\$)
		Salary (\$)	Non-Equity Incentive Plan Compensation (\$) ⁽¹⁾	Option Awards (\$) ⁽²⁾	Stock Awards (\$) ⁽³⁾	
William Welch, CEO	2017	475,000	811,388		1,123,314	2,409,702
	2016	319,712	115,781	3,204,294		3,639,787
Dr. Mark Erlander, CSO	2017	374,400	125,229	225,866	296,252	1,021,747
	2016	374,400	234,000	458,166	199,500	1,266,066

- (1) The amounts in this column relate to amounts earned by the Named Executive Officers in 2017 and 2016, as applicable, pursuant to our variable pay program described above under *Elements of our Compensation Program-Variable Pay*.
- (2) Amounts shown in this column do not reflect dollar amounts actually received by our named executive officers. Instead, these amounts represent the aggregate grant date fair value of stock option awards determined in accordance with Financial Accounting Standards Board (**FASB**) Accounting Standards Codification (**ASC**) Topic 718. The valuation assumptions used in determining 2017 and 2016 amounts are described in Note 5 to our financial statements included in our Annual Reports on Form 10-K for the fiscal years ended December 31, 2017 and 2016. Our named executive officers will only realize compensation to the extent the trading price of our common stock is greater than the exercise price of such stock options on the date the options are exercised.
- (3) This reflects the grant date fair value of awards granted during fiscal 2017.

Outstanding Equity Awards At Fiscal Year-End

The following table sets forth information for the named executive officers regarding the number of shares subject to both exercisable and unexercisable stock options, as well as the exercise prices and expiration dates thereof, as of December 31, 2017. Except for the options set forth in the table below, no other equity awards were held by any our named executive officers as of December 31, 2017.

Name	Number of Securities Underlying Unexercised Options (#)	Number of Securities Underlying Unexercised Options (#)	Option Exercise Price (\$)	Option Expiration Date
	Exercisable	Unexercisable		
William Welch ⁽¹⁾	312,500	437,500	\$ 4.73	4/25/2026
Dr. Mark Erlander ⁽¹⁾	5,000		\$ 2.84	09/13/2022
	10,000		\$ 4.87	12/10/2022
	200,000		\$ 7.04	01/28/2023
	100,000		\$ 5.53	12/11/2023
	150,000	50,000	\$ 3.29	07/16/2024
	45,000	15,000	\$ 4.39	12/11/2024
	71,875	78,125	\$ 5.18	01/4/2026
	96,250	288,750	\$ 0.85	08/22/2027

Name	Number of shares or units of stock that have not vested (#)	Market value of shares or units of stock that have not vested (\$)
William Welch	200,000	61,500
	130,000	39,975
Dr. Mark Erlander	75,000	23,063
	90,000	27,675

- ⁽¹⁾ For each executive officer, the shares listed in this table are subject to a single stock option award carrying the varying exercise prices as set forth herein. The option awards remain exercisable until they expire ten years from the date of grant, subject to earlier expiration following termination of employment.

Employment Agreements

William Welch Employment Agreement

On May 6, 2016, we entered into an employment agreement with Mr. Welch (the **Welch Employment Agreement**). The term of the Welch Employment Agreement commenced on May 6, 2016 and will continue until May 6, 2020, following which time the Welch Employment Agreement will be automatically renewed for successive one year periods at the end of each term, unless either party delivers written notice to the other party of their intent to not renew the agreement. Pursuant to the Welch Employment Agreement, Mr. Welch's current base cash bonus of up to 50% of his base salary per year based on meeting certain performance objectives and bonus criteria. In addition, upon entering into the Welch Employment Agreement, Mr. Welch was granted 750,000 stock options, which have an exercise price of \$4.73 per share, 187,500 of which vest on April 25, 2017 and 15,625 vest monthly subsequent thereto.

If Mr. Welch's employment is terminated by us for cause or as a result of Mr. Welch's death or permanent disability, or if Mr. Welch terminates his employment agreement voluntarily, Mr. Welch will be entitled to receive a lump sum equal to (i) any portion of unpaid base compensation then due for periods prior to termination, (ii) any bonus earned but not yet paid through the date of his termination, and (iii) all business expenses reasonably and necessarily incurred by Mr. Welch prior to the date of termination. If Mr. Welch's

employment is terminated by us without cause or by Mr. Welch for good reason, Mr. Welch will be entitled to receive the amounts due upon termination of his employment by us for cause or as a result of his death or permanent disability, or upon termination by Mr. Welch of his employment voluntarily, in addition to (provided that Mr. Welch executes a written release with respect to certain matters) a severance payment equal to his base compensation for 24 months from the date of termination and the bonus and any benefits that Mr. Welch would be eligible for during such 24-month period. In addition, if Mr. Welch's employment is terminated: (a) by us without cause within 12 months prior to a change of control (as defined in the Welch Employment Agreement) that was pending during such 12 month period, (b) by Mr. Welch for good reason within 12 months after a change of control, or (c) by us without cause at any time upon or within 12 months after a change of control, Mr. Welch will be entitled to receive the amounts due upon termination of his employment by us for cause or as a result of his death or permanent disability, or upon termination by Mr. Welch of his employment voluntarily, in addition to the severance payments due if Mr. Welch's employment is terminated by us without cause or by Mr. Welch for good reason, and all of Mr. Welch's unvested stock options and other equity awards would immediately vest and become fully exercisable (x) in the event a change of control transaction is pending, for a period of six months following the date of termination, and (y) in the event a change of control transaction is not then pending, for the period of time set forth in the applicable agreement evidencing the award.

William Welch Stock Award Agreement

On August 15, 2017, we entered into a stock award agreement (the **Welch Stock Award Agreement**) with Mr. Welch, pursuant to which an initial grant of 745,392 shares of common stock was issued to Mr. Welch under our 2014 Equity Incentive Plan, all of which shares vested upon grant. In addition, we agreed to make additional grants of common stock (the **Welch Additional Grants**) to the Mr. Welch over two year time period. All grants will be vested upon date of grant and are subject to a one year lock-up from each date of grant. It is intended that, in the aggregate, the shares issued to Mr. Welch under the Welch Stock Award Agreement will constitute 5% of the issued and outstanding shares of common stock as of the last grant date scheduled for October 15, 2019 (the **Welch Award Shares**). The Welch Additional Grants shall be adjusted as is necessary to maintain such percentage.

Pursuant to the Welch Stock Award Agreement, we have agreed to pay to or on behalf of Mr. Welch the amount necessary to satisfy the full amount of Mr. Welch's federal, state and local taxes as a result of the grant of the Welch Award Shares. Upon the date the Executive ceases to be our employee for any reason, we may elect to repurchase all or any portion of the vested Welch Award Shares at a price equal to the fair market value of the Welch Award Shares. In addition, upon the consummation of our sale, a termination by us without Cause (as defined in the Welch Employment Agreement or Mr. Welch's resignation for Good Reason as defined in the Welch Employment Agreement, Mr. Welch shall be entitled to receive either (i) cash in an amount equal to the difference between the fair market value of the Welch Award Shares then held by Mr. Welch and the fair market value of the Welch Award Shares Mr. Welch would have received if he held 5% of the issued and outstanding shares of our common stock or (ii) such additional grants as is necessary to increase Mr. Welch's total Welch Award Shares to equal 5% of the shares of common stock issued and outstanding as of such date.

Employment Agreement with Dr. Mark Erlander

On February 18, 2016, we entered into an employment agreement with Dr. Erlander (the **Erlander Employment Agreement**). The term of the Erlander Employment Agreement commenced on February 18, 2016 and will continue until January 1, 2020, following which time the Erlander Employment Agreement will be automatically renewed for successive one year periods at the end of each term, unless either party delivers written notice to the other party of their intent to not renew the agreement. Pursuant to the Erlander Employment Agreement, Mr. Erlander's current base compensation is \$374,400 per year. Mr. Erlander is eligible to receive a cash bonus of up to 50% of his base salary per year based on meeting certain performance objectives and bonus criteria.

If Mr. Erlander's employment is terminated by us for cause or as a result of Mr. Erlander's death or permanent disability, or if Mr. Erlander terminates his employment agreement voluntarily, Mr. Erlander will be entitled to receive a lump sum equal to (i) any portion of unpaid base compensation then due for periods prior to termination, (ii) any bonus earned but not yet paid through the date of his termination, and (iii) all business expenses reasonably and necessarily incurred by

Mr. Erlander prior to the date of termination. If Mr. Erlander's employment is terminated by us without cause or by Mr. Erlander for good reason, Mr. Erlander will be entitled to receive the amounts due upon termination of his employment by us for cause or as a result of his death or permanent disability, or upon termination by Mr. Erlander of his employment voluntarily, in addition to (provided that Mr. Erlander executes a written release with respect to certain matters) a severance payment equal to his base compensation for 12 months from the date of termination and the bonus and any benefits that Mr. Erlander would be eligible for during such 12-month period. In addition, if Mr. Erlander's employment is terminated: (a) by us without cause within 12 months prior to a change of control (as defined in the Erlander Employment Agreement) that was pending during such 12 month period, (b) by Mr. Erlander for good reason within 12 months after a change of control, or (c) by us without cause at any time upon or within 12 months after a change of control, Mr. Erlander will be entitled to receive the amounts due upon termination of his employment by us for cause or as a result of his death or permanent disability, or upon termination by Mr. Erlander of his employment voluntarily, in addition to the severance payments due if Mr. Erlander's employment is terminated by us without cause or by Mr. Erlander for good reason, and all of Mr. Erlander's unvested stock options and other equity awards would immediately vest and become fully exercisable (x) in the event a change of control transaction is pending, for a period of six months following the date of termination, and (y) in the event a change of control transaction is not then pending, for the period of time set forth in the applicable agreement evidencing the award.

Potential Payments Upon Termination Or Change In Control

Other than the provisions of the executive severance benefits to which our named executive officers would be entitled to at December 31, 2017 as set forth above, we have no liabilities under termination or change in control conditions. We do not have a formal policy to determine executive severance benefits. Each executive severance arrangement is negotiated on an individual basis.

The tables below estimate the current value of amounts payable to our named executive officers in the event that a termination of employment occurred on December 31, 2017. The closing price of our common stock, as reported on the NASDAQ Capital Market, was \$0.31 on December 29, 2017. The following tables exclude certain benefits, such as accrued vacation, that are available to all employees generally. The actual amount of payments and benefits that would be provided can only be determined at the time of a change in control and/or the named executive officer's qualifying separation from our Company.

William Welch

	By Trovogene Without Cause Outside a Change In Control	Termination By Trovogene Without Cause or by Mr. Welch for Good Reason in Connection with a Change In Control⁽¹⁾
Value of Equity Securities Accelerated	\$	\$ 129,641

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Cash Payments	998,195		1,585,393
Total Cash Benefits and Payments	\$ 998,195	\$	1,715,034

- (1) Relates to the termination of the Welch Employment Agreement: (a) by us without cause within 12 months prior to a change of control that was pending during such 12 month period, (b) by Mr. Welch for good

reason within 12 months after a change of control, or (c) by us without cause at any time upon or within 12 months after a change of control.

Mark Erlander, Ph.D.

	By Trovogene Without Cause Outside a Change In Control	Termination By Trovogene Without Cause or by Mr. Erlander for Good Reason in Connection with a Change In Control⁽¹⁾
Value of Equity Securities Accelerated	\$	\$ 110,772
Cash Payments	386,813	386,813
Total Cash Benefits and Payments	\$ 386,813	\$ 497,585

- ⁽¹⁾ Relates to the termination of the Erlander Employment Agreement: (a) by us without cause within 12 months prior to a change of control that was pending during such 12 month period, (b) by Dr. Erlander for good reason within 12 months after a change of control, or (c) by us without cause at any time upon or within 12 months after a change of control.

Director Compensation

Under our non-employee director compensation policy, a new non-employee director receives an initial grant of options to purchase a number of shares of common stock equal to 0.1% of our shares of common stock issued and outstanding as of the date of grant (subject to adjustment for recapitalizations, stock split, stock dividends and the like). In addition, each non-employee director receives the following annual compensation for his or her service: (i) an annual retainer fee of \$50,000, payable quarterly, and an equity grant of options to purchase a number of shares of common stock equal to 0.1% of shares of our common stock issued and outstanding as of the date of grant (subject to adjustment for recapitalizations, stock split, stock dividends and the like), all of which vest on the one year anniversary of the date of grant, (ii) an additional annual retainer fee of \$30,000, payable quarterly, if such non-employee director serves as the Chairman of the Board of Directors, (iii) an additional annual retainer fee of \$16,000, \$10,000 and \$8,000 payable quarterly, if such non-employee director serves as the chair of the Audit Committee, Compensation Committee or Nominating/Corporate Governance Committee, respectively, and (iv) an additional annual retainer fee of \$8,000, \$6,000 and \$4,000 to such non-employee director if he or she serves as a non-chair member of the Audit Committee, Compensation Committee and Nominating/Corporate Governance Committee, respectively, per committee. We also reimburse all of our directors for out-of-pocket expenses incurred in connection with the rendering of services as a director.

The following table sets forth summary information concerning the total compensation paid:

Name	Fees Earned or Paid in Cash (\$)	Option Awards (\$)⁽¹⁾	Stock Awards	Total (\$)
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			(S)(2)	
Thomas H. Adams ⁽³⁾	90,000	18,768	52,220	160,988
John P. Brancaccio ⁽⁴⁾	70,000	18,768	60,135	148,903
Gary S. Jacob ⁽⁵⁾	54,000	18,768	53,206	125,974
Stanley Tennant ⁽⁶⁾	64,000	18,768	51,560	134,328
Paul Billings ⁽⁷⁾	64,000	18,768	47,488	130,256
Rodney Markin ⁽⁸⁾	72,000	18,768	46,351	137,119

- (1) Amounts shown in this column do not reflect dollar amounts actually received by our non-employee directors. Instead, these amounts represent the aggregate grant date fair value of stock option awards determined in accordance with FASB ASC Topic 718. The valuation assumptions used in determining 2017

amounts are described in Note 5 to our financial statements included in our Annual Report on Form 10-K for the fiscal year ended December 31, 2017. Our non-employee directors will only realize compensation to the extent the trading price of our common stock is greater than the exercise price of such stock options on the date the options are exercised.

- (2) This reflects the grant date fair value of awards granted during fiscal 2017.
- (3) As of December 31, 2017, 412,995 stock options were outstanding, of which 374,849 were exercisable. 16,667 stock awards were unvested as of December 31, 2017.
- (4) As of December 31, 2017, 170,517 stock options were outstanding, of which 132,411 were exercisable. 16,667 stock awards were unvested as of December 31, 2017.
- (5) As of December 31, 2017, 185,445 stock options were outstanding, of which 147,339 were exercisable. 16,667 stock awards were unvested as of December 31, 2017.
- (6) As of December 31, 2017, 131,264 stock options were outstanding, of which 93,158 were exercisable. 16,667 stock awards were unvested as of December 31, 2017.
- (7) As of December 31, 2017, 121,336 stock options were outstanding, of which 83,230 were exercisable. 16,667 stock awards were unvested as of December 31, 2017.
- (8) As of December 31, 2017, 106,336 stock options were outstanding, of which 68,230 were exercisable. 16,667 stock awards were unvested as of December 31, 2017.

CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS

The following is a description of transactions or series of transactions since January 1, 2017 or any currently proposed transaction, to which we were or are to be a participant and in which the amount involved in the transaction or series of transactions exceeds \$120,000, and in which any of our directors, executive officers or persons who we know hold more than five percent of any class of our capital stock, including their immediate family members, had or will have a direct or indirect material interest, other than compensation arrangements with our directors and executive officers.

We have entered into indemnification agreements with our directors and executive officers under which we agreed to indemnify those individuals under the circumstances and to the extent provided for in the agreements, for expenses, damages, judgments, fines, settlements and any other amounts they may be required to pay in actions, suits or proceedings which they are or may be made a party or threatened to be made a party by reason of their position as a director, officer or other agent of ours, and otherwise to the fullest extent permitted under Delaware law and our By-Laws. We also have an insurance policy covering our directors and executive officers with respect to certain liabilities, including liabilities arising under the Securities Act of 1933, as amended, or otherwise.

Our board has adopted a written related party transaction policy to set forth the policies and procedures for the review, approval and ratification of related party transactions. This policy covers any financial transaction, arrangement or relationship, or any series of similar transactions, arrangements or relationships (including any indebtedness or guarantee of indebtedness) in which we are or are to be a participant, the amount involved will or may be expected to exceed \$50,000 since the beginning of our last completed fiscal year, and a related party has or will have a direct or indirect material interest. A related party is any individual who is, or who has been since the beginning of our last fiscal year, an executive officer, director or nominee for election as a director, or any person known to be the record or beneficial owner of more than 5% of any class of our voting securities, any immediate family member of any of the foregoing persons or any entity which is owned or controlled by any of the foregoing persons, or any entity in which one of the foregoing persons has a substantial ownership interest in or control over such entity. Transactions involving the employment or compensation of our executive officers or compensation to our directors, transactions with another company at which a related party's only relationship is as a director and/or beneficial owner of less than 10% of such company's equity interests, transactions in which all of our stockholders receive proportional benefits, certain regulated transactions and certain banking-related services are not considered related-person transactions under this policy. Under our Audit Committee Charter and our related party transaction policy, our Audit Committee is responsible for reviewing and approving in advance any related party transaction. In connection with its review of a related party transaction, the Audit Committee will take into account, among other factors it deems appropriate, whether the related party transaction is on terms no less favorable than terms generally available to an unaffiliated third-party under the same or similar circumstances and the extent of the related party's interest in the related party transaction.

OTHER MATTERS

Trovogene has no knowledge of any other matters that may come before the Annual Meeting and does not intend to present any other matters. However, if any other matters shall properly come before the Annual Meeting or any adjournment or postponement thereof, the persons soliciting proxies will have the discretion to vote as they see fit unless directed otherwise.

We will bear the cost of soliciting proxies in the accompanying form. In addition to the use of the mails, proxies may also be solicited by our directors, officers or other employees, personally or by telephone, facsimile or email, none of whom will be compensated separately for these solicitation activities. We have engaged Kingsdale Advisors to assist in the solicitation of proxies. We will pay a fee of \$13,500 plus reasonable out-of-pocket charges.

If you do not plan to attend the Annual Meeting, in order that your shares may be represented and in order to assure the required quorum, please sign, date and return your proxy promptly. In the event you are able to attend the Annual Meeting, at your request, Trovogene will cancel your previously submitted proxy.

ADDITIONAL INFORMATION

Householding

The SEC has adopted rules that permit companies and intermediaries (e.g., brokers) to satisfy the delivery requirements for Proxy Availability Notice or other Annual Meeting materials with respect to two or more stockholders sharing the same address by delivering a single Notice or other Annual Meeting materials addressed to those stockholders. This process, which is commonly referred to as householding, potentially provides extra convenience for stockholders and cost savings for companies. Stockholders who participate in householding will continue to be able to access and receive separate proxy cards.

This year, a number of brokers with account holders who are our stockholders will be householding our proxy materials. A Notice or proxy materials will be delivered in one single envelope to multiple stockholders sharing an address unless contrary instructions have been received from one or more of the affected stockholders. 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 Notice or proxy materials, please notify your broker or call our Secretary at (858) 952-7570, or submit a request in writing to our Secretary, c/o Trovogene, Inc., 11055 Flintkote Avenue, San Diego, California 92121. Stockholders who currently receive multiple copies of the Notice or proxy materials at their address and would like to request householding of their communications should contact their broker. In addition, we will promptly deliver, upon written or oral request to the address or telephone number above, a separate copy of the Notice or proxy materials to a stockholder at a shared address to which a single copy of the documents was delivered.

Annual Reports and Form 10-K

Additional copies of Trovogene's Annual Report on Form 10-K for the fiscal year ended December 31, 2017 may be obtained without charge by writing to the Secretary, Trovogene, Inc., 11055 Flintkote Avenue, San Diego, California 92121.

By Order of the Board of Directors

/s/ THOMAS H. ADAMS
Thomas H. Adams, Ph.D.

Chairman of the Board of Directors

May 1, 2018

Directions to the Annual Meeting of Stockholders of Trovogene, Inc.

Trovogene, Inc.

11055 Flintkote Avenue

San Diego, California 92121

From the **North** (Los Angeles/Orange County/Carlsbad)

Take 5 Fwy South. Take CARMEL MOUNTAIN ROAD exit.

Turn Left on CARMEL MOUNTAIN ROAD go 0.3 miles

Turn Right on VISTA SORRENTO PARKWAY go 1.4 miles

Turn Right on SORRENTO VALLEY BOULEVARD go 0.2 miles

Turn Right on ROSELLE STREET go 0.3 miles

Turn Left on FLINTKOTE AVENUE go 0.2 miles

Arrive at 11055 FLINTKOTE AVENUE, on the RIGHT

From the **South** (La Jolla/San Diego International Airport Airport/Chula Vista)

Take 5 Fwy North. Take SORRENTO VALLEY ROAD exit.

Turn Left on ROSELLE STREET go 0.3 miles

Turn Left on FLINTKOTE AVENUE go 0.2 miles

Arrive at 11055 FLINTKOTE AVENUE, on the RIGHT

TROVAGENE, INC.

2014 EQUITY INCENTIVE PLAN

1. PURPOSE OF PLAN

1.1 The purpose of this 2014 Equity Incentive Plan (this *Plan*) of Trovogene, Inc., a Delaware corporation (the *Corporation*), is to promote the success of the Corporation and to increase stockholder value by providing an additional means through the grant of awards to attract, motivate, retain and reward selected employees and other eligible persons.

2. ELIGIBILITY

2.1 The Administrator (as such term is defined in Section 3.1) may grant awards under this Plan only to those persons that the Administrator determines to be Eligible Persons. An *Eligible Person* is any person who is either: (a) an officer (whether or not a director) or employee of the Corporation or one of its Subsidiaries; (b) a director of the Corporation or one of its Subsidiaries; or (c) a consultant who renders bona fide services (other than services in connection with the offering or sale of securities of the Corporation or one of its Subsidiaries in a capital-raising transaction or as a market maker or promoter of securities of the Corporation or one of its Subsidiaries) to the Corporation or one of its Subsidiaries and who is selected to participate in this Plan by the Administrator; provided, however, that a person who is otherwise an Eligible Person under clause (c) above may participate in this Plan only if such participation would not adversely affect either the Corporation's eligibility to use Form S-8 to register under the Securities Act of 1933, as amended (the *Securities Act*), the offering and sale of shares issuable under this Plan by the Corporation, or the Corporation's compliance with any other applicable laws. An Eligible Person who has been granted an award (a *participant*) may, if otherwise eligible, be granted additional awards if the Administrator shall so determine. As used herein, *Subsidiary* means any corporation or other entity a majority of whose outstanding voting stock or voting power is beneficially owned directly or indirectly by the Corporation; and *Board* means the Board of Directors of the Corporation.

3. PLAN ADMINISTRATION

3.1 *The Administrator.* This Plan shall be administered by and all awards under this Plan shall be authorized by the Administrator. The *Administrator* means the Board or one or more committees appointed by the Board or another committee (within its delegated authority) to administer all or certain aspects of this Plan. Any such committee shall be comprised solely of one or more directors or such number of directors as may be required under applicable law. A committee may delegate some or all of its authority to another committee so constituted. The Board or a committee comprised solely of directors may also delegate, to the extent permitted by Section 157 of the Delaware General Corporation Law and any other applicable law, to one or more officers of the Corporation, its powers under this Plan (a) to designate Eligible Persons who will receive grants of awards under this Plan, and (b) to determine the number of shares subject to, and the other terms and conditions of, such awards. The Board may delegate different levels of authority to different committees with administrative and grant authority under this Plan. Unless otherwise provided in the bylaws of the Corporation or the applicable charter of any Administrator: (a) a majority of the members of the acting Administrator shall constitute a quorum, and (b) the affirmative vote of a majority of the members present assuming the presence of a quorum or the unanimous written consent of the members of the Administrator shall constitute due authorization of an action by the acting Administrator.

With respect to awards intended to satisfy the requirements for performance-based compensation under Section 162(m) of the Internal Revenue Code of 1986, as amended (the *Code*), this Plan shall be administered by a

committee consisting solely of two or more outside directors (as this requirement is applied under Section 162(m) of the Code); provided, however, that the failure to satisfy such requirement shall not affect the

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validity of the action of any committee otherwise duly authorized and acting in the matter. Award grants, and transactions in or involving awards, intended to be exempt under Rule 16b-3 under the Securities Exchange Act of 1934, as amended (the Exchange Act), must be duly and timely authorized by the Board or a committee consisting solely of two or more non-employee directors (as this requirement is applied under Rule 16b-3 promulgated under the Exchange Act). To the extent required by any applicable stock exchange, this Plan shall be administered by a committee composed entirely of independent directors (within the meaning of the applicable stock exchange). Awards granted to non-employee directors shall not be subject to the discretion of any officer or employee of the Corporation and shall be administered exclusively by a committee consisting solely of independent directors.

3.2 Powers of the Administrator. Subject to the express provisions of this Plan, the Administrator is authorized and empowered to do all things necessary or desirable in connection with the authorization of awards and the administration of this Plan (in the case of a committee or delegation to one or more officers, within the authority delegated to that committee or person(s)), including, without limitation, the authority to:

- (a) determine eligibility and, from among those persons determined to be eligible, the particular Eligible Persons who will receive awards under this Plan;
- (b) grant awards to Eligible Persons, determine the price at which securities will be offered or awarded and the number of securities to be offered or awarded to any of such persons, determine the other specific terms and conditions of such awards consistent with the express limits of this Plan, establish the installments (if any) in which such awards shall become exercisable or shall vest (which may include, without limitation, performance and/or time-based schedules), or determine that no delayed exercisability or vesting is required, establish any applicable performance targets, and establish the events of termination or reversion of such awards;
- (c) approve the forms of award agreements (which need not be identical either as to type of award or among participants);
- (d) construe and interpret this Plan and any agreements defining the rights and obligations of the Corporation, its Subsidiaries, and participants under this Plan, further define the terms used in this Plan, and prescribe, amend and rescind rules and regulations relating to the administration of this Plan or the awards granted under this Plan;
- (e) cancel, modify, or waive the Corporation's rights with respect to, or modify, discontinue, suspend, or terminate any or all outstanding awards, subject to any required consent under Section 8.6.5;
- (f) accelerate or extend the vesting or exercisability or extend the term of any or all such outstanding awards (in the case of options or stock appreciation rights, within the maximum ten-year term of such awards) in such circumstances as the Administrator may deem appropriate (including, without limitation, in connection with a termination of employment or services or other events of a personal nature) subject to any required consent under Section 8.6.5;
- (g) adjust the number of shares of Common Stock subject to any award, adjust the price of any or all outstanding awards or otherwise change previously imposed terms and conditions, in such circumstances as the Administrator may deem appropriate, in each case subject to compliance with applicable stock exchange requirements, Sections 4 and 8.6 and the applicable requirements of Code Section 162(m) and treasury regulations thereunder with respect to awards that are intended to satisfy the requirements for performance-based compensation under Section 162(m), and provided that in no case (except due to an adjustment contemplated by Section 7 or any repricing that may be approved by stockholders) shall such an adjustment constitute a repricing (by amendment, cancellation and regrant, exchange or other means) of the per share exercise or base price of any stock option or stock appreciation right or other award granted under this Plan, and further provided that any adjustment or change in terms made pursuant to this Section 3.2(g) shall be made in a manner that, in the good

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faith determination of the Administrator will not likely result in the imposition of additional taxes or interest under Section 409A of the Code;

(h) determine the date of grant of an award, which may be a designated date after but not before the date of the Administrator's action (unless otherwise designated by the Administrator, the date of grant of an award shall be the date upon which the Administrator took the action granting an award);

(i) determine whether, and the extent to which, adjustments are required pursuant to Section 7 hereof and authorize the termination, conversion, substitution, acceleration or succession of awards upon the occurrence of an event of the type described in Section 7;

(j) acquire or settle (subject to Sections 7 and 8.6) rights under awards in cash, stock of equivalent value, or other consideration; and

(k) determine the Fair Market Value (as defined in Section 5.6) of the Common Stock or awards under this Plan from time to time and/or the manner in which such value will be determined.

3.3 *Binding Determinations.* Any action taken by, or inaction of, the Corporation, any Subsidiary, or the Administrator relating or pursuant to this Plan and within its authority hereunder or under applicable law shall be within the absolute discretion of that entity or body and shall be conclusive and binding upon all persons. Neither the Board, the Administrator, nor any Board committee, nor any member thereof or person acting at the direction thereof, shall be liable for any act, omission, interpretation, construction or determination made in good faith in connection with this Plan (or any award made under this Plan), and all such persons shall be entitled to indemnification and reimbursement by the Corporation in respect of any claim, loss, damage or expense (including, without limitation, legal fees) arising or resulting therefrom to the fullest extent permitted by law and/or under any directors and officers liability insurance coverage that may be in effect from time to time.

3.4 *Reliance on Experts.* In making any determination or in taking or not taking any action under this Plan, the Administrator may obtain and may rely upon the advice of experts, including professional advisors to the Corporation. The Administrator shall not be liable for any such action or determination taken or made or omitted in good faith based upon such advice.

3.5 *Delegation of Non-Discretionary Functions.* In addition to the ability to delegate certain grant authority to officers of the Corporation as set forth in Section 3.1, the Administrator may also delegate ministerial, non-discretionary functions to individuals who are officers or employees of the Corporation or any of its Subsidiaries or to third parties.

4. SHARES OF COMMON STOCK SUBJECT TO THE PLAN; SHARE LIMIT

4.1 *Shares Available.* Subject to the provisions of Section 7.1, the capital stock available for issuance under this Plan shall be shares of the Corporation's authorized but unissued Common Stock. For purposes of this Plan, Common Stock shall mean the common stock of the Corporation and such other securities or property as may become the subject of awards under this Plan, or may become subject to such awards, pursuant to an adjustment made under Section 7.1.

4.2 *Share Limit.* The maximum number of shares of Common Stock that may be delivered pursuant to awards granted to Eligible Persons under this Plan may not exceed 17,500,000 of Common Stock (the Share Limit).

The foregoing Share Limit is subject to adjustment as contemplated by Section 4.3, Section 7.1, and Section 8.10.

4.3 Awards Settled in Cash, Reissue of Awards and Shares. The Administrator may adopt reasonable counting procedures to ensure appropriate counting, avoid double counting (as, for example, in the case of tandem or substitute awards) and make adjustments in accordance with this Section 4.3. Shares shall be counted against those reserved to the extent such shares have been delivered and are no longer subject to a substantial risk of forfeiture. Accordingly, (i) to the extent that an award under the Plan, in whole or in part, is canceled, expired, forfeited, settled in cash, settled by delivery of fewer shares than the number of shares underlying the award, or otherwise terminated without delivery of shares to the participant, the shares retained by or returned to the Corporation will not be deemed to have been delivered under the Plan and will be deemed to remain or to become available under this Plan; and (ii) shares that are withheld from such an award or separately surrendered by the participant in payment of the exercise price or taxes relating to such an award shall be deemed to constitute shares not delivered and will be deemed to remain or to become available under the Plan. The foregoing adjustments to the Share Limit of this Plan are subject to any applicable limitations under Section 162(m) of the Code with respect to awards intended as performance-based compensation thereunder.

4.4 Reservation of Shares; No Fractional Shares. The Corporation shall at all times reserve a number of shares of Common Stock sufficient to cover the Corporation's obligations and contingent obligations to deliver shares with respect to awards then outstanding under this Plan (exclusive of any dividend equivalent obligations to the extent the Corporation has the right to settle such rights in cash). No fractional shares shall be delivered under this Plan. The Administrator may pay cash in lieu of any fractional shares in settlements of awards under this Plan.

5. AWARDS

5.1 Type and Form of Awards. The Administrator shall determine the type or types of award(s) to be made to each selected Eligible Person. Awards may be granted singly, in combination or in tandem. Awards also may be made in combination or in tandem with, in replacement of, as alternatives to, or as the payment form for grants or rights under any other employee or compensation plan of the Corporation or one of its Subsidiaries. The types of awards that may be granted under this Plan are:

5.1.1 Stock Options. A stock option is the grant of a right to purchase a specified number of shares of Common Stock during a specified period as determined by the Administrator. An option may be intended as an incentive stock option within the meaning of Section 422 of the Code (an ISO) or a nonqualified stock option (an option not intended to be an ISO). The award agreement for an option will indicate if the option is intended as an ISO; otherwise it will be deemed to be a nonqualified stock option. The maximum term of each option (ISO or nonqualified) shall be ten (10) years. The per share exercise price for each option shall be not less than 100% of the Fair Market Value of a share of Common Stock on the date of grant of the option. When an option is exercised, the exercise price for the shares to be purchased shall be paid in full in cash or such other method permitted by the Administrator consistent with Section 5.5.

5.1.2 Additional Rules Applicable to ISOs. To the extent that the aggregate Fair Market Value (determined at the time of grant of the applicable option) of stock with respect to which ISOs first become exercisable by a participant in any calendar year exceeds \$100,000, taking into account both Common Stock subject to ISOs under this Plan and stock subject to ISOs under all other plans of the Corporation or one of its Subsidiaries (or any parent or predecessor corporation to the extent required by and within the meaning of Section 422 of the Code and the regulations promulgated thereunder), such options shall be treated as nonqualified stock options. In reducing the number of options treated as ISOs to meet the \$100,000 limit, the most recently granted options shall be reduced first. To the extent a reduction of simultaneously granted options is necessary to meet the \$100,000 limit, the Administrator may, in the manner and to the extent permitted by law, designate which shares of Common Stock are to be treated as shares acquired pursuant to the exercise of an ISO. ISOs may only be granted to employees of the Corporation or one of its subsidiaries (for this purpose, the term subsidiary is used as defined in Section 424(f) of the Code, which generally requires an unbroken chain of ownership of at least 50% of the total combined voting power of all classes of stock of

each subsidiary in the chain beginning with the

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Corporation and ending with the subsidiary in question). There shall be imposed in any award agreement relating to ISOs such other terms and conditions as from time to time are required in order that the option be an incentive stock option as that term is defined in Section 422 of the Code. No ISO may be granted to any person who, at the time the option is granted, owns (or is deemed to own under Section 424(d) of the Code) shares of outstanding Common Stock possessing more than 10% of the total combined voting power of all classes of stock of the Corporation, unless the exercise price of such option is at least 110% of the Fair Market Value of the stock subject to the option and such option by its terms is not exercisable after the expiration of five years from the date such option is granted.

5.1.3 Stock Appreciation Rights. A stock appreciation right or SAR is a right to receive a payment, in cash and/or Common Stock, equal to the number of shares of Common Stock being exercised multiplied by the excess of (i) the Fair Market Value of a share of Common Stock on the date the SAR is exercised, over (ii) the Fair Market Value of a share of Common Stock on the date the SAR was granted as specified in the applicable award agreement (the base price). The maximum term of a SAR shall be ten (10) years.

5.1.4 Restricted Shares.

(a) **Restrictions.** Restricted shares are shares of Common Stock subject to such restrictions on transferability, risk of forfeiture and other restrictions, if any, as the Administrator may impose, which restrictions may lapse separately or in combination at such times, under such circumstances (including based on achievement of performance goals and/or future service requirements), in such installments or otherwise, as the Administrator may determine at the date of grant or thereafter. Except to the extent restricted under the terms of this Plan and the applicable award agreement relating to the restricted stock, a participant granted restricted stock shall have all of the rights of a shareholder, including the right to vote the restricted stock and the right to receive dividends thereon (subject to any mandatory reinvestment or other requirement imposed by the Administrator).

(b) **Certificates for Shares.** Restricted shares granted under this Plan may be evidenced in such manner as the Administrator shall determine. If certificates representing restricted stock are registered in the name of the participant, the Administrator may require that such certificates bear an appropriate legend referring to the terms, conditions and restrictions applicable to such restricted stock, that the Corporation retain physical possession of the certificates, and that the participant deliver a stock power to the Corporation, endorsed in blank, relating to the restricted stock. The Administrator may require that restricted shares are held in escrow until all restrictions lapse

(c) **Dividends and Splits.** As a condition to the grant of an award of restricted stock, subject to applicable law, the Administrator may require or permit a participant to elect that any cash dividends paid on a share of restricted stock be automatically reinvested in additional shares of restricted stock or applied to the purchase of additional awards under this Plan. Unless otherwise determined by the Administrator, stock distributed in connection with a stock split or stock dividend, and other property distributed as a dividend, shall be subject to restrictions and a risk of forfeiture to the same extent as the restricted stock with respect to which such stock or other property has been distributed.

5.1.5 Restricted Share Units.

(a) **Grant of Restricted Share Units.** A restricted share unit, or RSU, represents the right to receive from the Corporation on the respective scheduled vesting or payment date for such RSU, one Common Share. An award of RSUs may be subject to the attainment of specified performance goals or targets, forfeitability provisions and such other terms and conditions as the Administrator may determine, subject to the provisions of this Plan. At the time an award of RSUs is made, the Administrator shall establish a period of time during which the restricted share units shall vest and the timing for settlement of the RSU.

(b) **Dividend Equivalent Accounts.** Subject to the terms and conditions of the Plan and the applicable award agreement, as well as any procedures established by the Administrator, prior to the expiration of the

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applicable vesting period of an RSU, the Administrator may determine to pay dividend equivalent rights with respect to RSUs, in which case, the Corporation shall establish an account for the participant and reflect in that account any securities, cash or other property comprising any dividend or property distribution with respect to the shares of Common Stock underlying each RSU. Each amount or other property credited to any such account shall be subject to the same vesting conditions as the RSU to which it relates. The participant shall have the right to be paid the amounts or other property credited to such account upon vesting of the subject RSU.

(c) **Rights as a Shareholder.** Subject to the restrictions imposed under the terms and conditions of this Plan and the applicable award agreement, each participant receiving RSUs shall have no rights as a shareholder with respect to such RSUs until such time as shares of Common Stock are issued to the participant. No shares of Common Stock shall be issued at the time a RSU is granted, and the Company will not be required to set aside a fund for the payment of any such award. Except as otherwise provided in the applicable award agreement, shares of Common Stock issuable under an RSU shall be treated as issued on the first date that the holder of the RSU is no longer subject to a substantial risk of forfeiture as determined for purposes of Section 409A of the Code, and the holder shall be the owner of such shares of Common Stock on such date. An award agreement may provide that issuance of shares of Common Stock under an RSU may be deferred beyond the first date that the RSU is no longer subject to a substantial risk of forfeiture, provided that such deferral is structured in a manner that is intended to comply with the requirements of Section 409A of the Code.

5.1.6 Cash Awards. The Administrator may, from time to time, subject to the provisions of the Plan and such other terms and conditions as it may determine, grant cash bonuses (including without limitation, discretionary awards, awards based on objective or subjective performance criteria, awards subject to other vesting criteria or awards granted consistent with Section 5.2 below). Cash awards shall be awarded in such amount and at such times during the term of the Plan as the Administrator shall determine.

5.1.7 Other Awards. The other types of awards that may be granted under this Plan include: (a) stock bonuses, performance stock, performance units, dividend equivalents, or similar rights to purchase or acquire shares, whether at a fixed or variable price or ratio related to the Common Stock (subject to the requirements of Section 5.1.1 and in compliance with applicable laws), upon the passage of time, the occurrence of one or more events, or the satisfaction of performance criteria or other conditions, or any combination thereof; or (b) any similar securities with a value derived from the value of or related to the Common Stock and/or returns thereon.

5.2 Section 162(m) Performance-Based Awards. Without limiting the generality of the foregoing, any of the types of awards listed in Sections 5.1.4 through 5.1.7 above may be, and options and SARs granted with an exercise or base price not less than the Fair Market Value of a share of Common Stock at the date of grant (Qualifying Options and Qualifying SARs, respectively) typically will be, granted as awards intended to satisfy the requirements for performance-based compensation within the meaning of Section 162(m) of the Code (Performance-Based Awards). The grant, vesting, exercisability or payment of Performance-Based Awards may depend (or, in the case of Qualifying Options or Qualifying SARs, may also depend) on the degree of achievement of one or more performance goals relative to a pre-established targeted level or levels using the Business Criteria provided for below for the Corporation on a consolidated basis or for one or more of the Corporation's subsidiaries, segments, divisions or business units, or any combination of the foregoing. Such criteria may be evaluated on an absolute basis or relative to prior periods, industry peers, or stock market indices. Any Qualifying Option or Qualifying SAR shall be subject to the requirements of Section 5.2.1 and 5.2.3 in order for such award to satisfy the requirements for performance-based compensation under Section 162(m) of the Code. Any other Performance-Based Award shall be subject to all of the following provisions of this Section 5.2.

5.2.1 Class; Administrator. The eligible class of persons for Performance-Based Awards under this Section 5.2 shall be officers and employees of the Corporation or one of its Subsidiaries. The Administrator approving Performance-Based Awards or making any certification required pursuant to Section 5.2.4 must be constituted as

provided in Section 3.1 for awards that are intended as performance-based compensation under Section 162(m) of the Code.

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5.2.2 Performance Goals. The specific performance goals for Performance-Based Awards (other than Qualifying Options and Qualifying SARs) shall be, on an absolute or relative basis, established based on such business criteria as selected by the Administrator in its sole discretion (Business Criteria), including the following: (1) earnings per share, (2) cash flow (which means cash and cash equivalents derived from either (i) net cash flow from operations or (ii) net cash flow from operations, financing and investing activities), (3) total stockholder return, (4) price per share of Common Stock, (5) gross revenue, (6) revenue growth, (7) operating income (before or after taxes), (8) net earnings (before or after interest, taxes, depreciation and/or amortization), (9) return on equity, (10) capital employed, or on assets or on net investment, (11) cost containment or reduction, (12) cash cost per ounce of production, (13) operating margin, (14) debt reduction, (15) resource amounts, (16) production or production growth, (17) resource replacement or resource growth, (18) successful completion of financings, or (19) any combination of the foregoing. To qualify awards as performance-based under Section 162(m), the applicable Business Criterion (or Business Criteria, as the case may be) and specific performance goal or goals (targets) must be established and approved by the Administrator during the first 90 days of the performance period (and, in the case of performance periods of less than one year, in no event after 25% or more of the performance period has elapsed) and while performance relating to such target(s) remains substantially uncertain within the meaning of Section 162(m) of the Code. Performance targets shall be adjusted to mitigate the unbudgeted impact of material, unusual or nonrecurring gains and losses, accounting changes or other extraordinary events not foreseen at the time the targets were set unless the Administrator provides otherwise at the time of establishing the targets; provided that the Administrator may not make any adjustment to the extent it would adversely affect the qualification of any compensation payable under such performance targets as performance-based compensation under Section 162(m) of Code. The applicable performance measurement period may not be less than 3 months nor more than 10 years.

5.2.3 Form of Payment. Grants or awards intended to qualify under this Section 5.2 may be paid in cash or shares of Common Stock or any combination thereof.

5.2.4 Certification of Payment. Before any Performance-Based Award under this Section 5.2 (other than Qualifying Options and Qualifying SARs) is paid and to the extent required to qualify the award as performance-based compensation within the meaning of Section 162(m) of the Code, the Administrator must certify in writing that the performance target(s) and any other material terms of the Performance-Based Award were in fact timely satisfied.

5.2.5 Reservation of Discretion. The Administrator will have the discretion to determine the restrictions or other limitations of the individual awards granted under this Section 5.2 including the authority to reduce awards, payouts or vesting or to pay no awards, in its sole discretion, if the Administrator preserves such authority at the time of grant by language to this effect in its authorizing resolutions or otherwise.

5.2.6 Expiration of Grant Authority. As required pursuant to Section 162(m) of the Code and the regulations promulgated thereunder, the Administrator's authority to grant new awards that are intended to qualify as performance-based compensation within the meaning of Section 162(m) of the Code (other than Qualifying Options and Qualifying SARs) shall terminate upon the first meeting of the Corporation's stockholders that occurs in the fifth year following the year in which the Corporation's stockholders first approve this Plan (the 162(m) Term).

5.2.7 Compensation Limitations. The maximum aggregate number of shares of Common Stock that may be issued to any Eligible Person during the term of this Plan pursuant to Qualifying Options and Qualifying SARs may not exceed the Share Limit. The maximum aggregate number of shares of Common Stock that may be issued to any Eligible Person pursuant to Performance-Based Awards granted during the 162(m) Term (other than cash awards granted pursuant to Section 5.1.6 and Qualifying Options or Qualifying SARs) may not exceed the Share Limit. The maximum amount that may be paid to any Eligible Person pursuant to Performance-Based Awards granted pursuant to Sections 5.1.6 (cash awards) during the 162(m) Term may not exceed \$1,000,000.

5.3 Award Agreements. Each award shall be evidenced by a written or electronic award agreement in the form approved by the Administrator and, if required by the Administrator, executed by the recipient of the award. The Administrator may authorize any officer of the Corporation (other than the particular award recipient) to execute any or all award agreements on behalf of the Corporation (electronically or otherwise). The award agreement shall set forth the material terms and conditions of the award as established by the Administrator consistent with the express limitations of this Plan.

5.4 Deferrals and Settlements. Payment of awards may be in the form of cash, Common Stock, other awards or combinations thereof as the Administrator shall determine, and with such restrictions as it may impose. The Administrator may also require or permit participants to elect to defer the issuance of shares of Common Stock or the settlement of awards in cash under such rules and procedures as it may establish under this Plan. The Administrator may also provide that deferred settlements include the payment or crediting of interest or other earnings on the deferral amounts, or the payment or crediting of dividend equivalents where the deferred amounts are denominated in shares. All mandatory or elective deferrals of the issuance of shares of Common Stock or the settlement of cash awards shall be structured in a manner that is intended to comply with the requirements of Section 409A of the Code.

5.5 Consideration for Common Stock or Awards. The purchase price for any award granted under this Plan or the Common Stock to be delivered pursuant to an award, as applicable, may be paid by means of any lawful consideration as determined by the Administrator and subject to compliance with applicable laws, including, without limitation, one or a combination of the following methods:

services rendered by the recipient of such award;

cash, check payable to the order of the Corporation, or electronic funds transfer;

notice and third party payment in such manner as may be authorized by the Administrator;

the delivery of previously owned shares of Common Stock that are fully vested and unencumbered;

by a reduction in the number of shares otherwise deliverable pursuant to the award; or

subject to such procedures as the Administrator may adopt, pursuant to a cashless exercise with a third party who provides financing for the purposes of (or who otherwise facilitates) the purchase or exercise of awards.

In the event that the Administrator allows a participant to exercise an award by delivering shares of Common Stock previously owned by such participant and unless otherwise expressly provided by the Administrator, any shares delivered which were initially acquired by the participant from the Corporation (upon exercise of a stock option or otherwise) must have been owned by the participant at least six months as of the date of delivery (or such other period as may be required by the Administrator in order to avoid adverse accounting treatment). Shares of Common Stock used to satisfy the exercise price of an option shall be valued at their Fair Market Value on the date of exercise. The Corporation will not be obligated to deliver any shares unless and until it receives full payment of the exercise or purchase price therefor and any related withholding obligations under Section 8.5 and any other conditions to exercise or purchase, as established from time to time by the Administrator, have been satisfied. Unless otherwise expressly provided in the applicable award agreement, the Administrator may at any time eliminate or limit a participant's ability

to pay the purchase or exercise price of any award by any method other than cash payment to the Corporation.

5.6 Definition of Fair Market Value. For purposes of this Plan Fair Market Value shall mean, unless otherwise determined or provided by the Administrator in the circumstances, the closing price for a share of Common Stock on the trading day immediately before the grant date, as furnished by the NASDAQ Stock Market or other principal stock exchange on which the Common Stock is then listed for the date in question, or if the Common Stock is no longer listed on a principal stock exchange, then by the Over-the-Counter Bulletin Board or OTC Markets. If the Common Stock is no longer listed on the NASDAQ Capital Market or listed on a

principal stock exchange or is no longer actively traded on the Over-the-Counter Bulletin Board or OTC Markets as of the applicable date, the Fair Market Value of the Common Stock shall be the value as reasonably determined by the Administrator for purposes of the award in the circumstances.

5.7 Transfer Restrictions.

5.7.1 *Limitations on Exercise and Transfer.* Unless otherwise expressly provided in (or pursuant to) this Section 5.7, by applicable law and by the award agreement, as the same may be amended, (a) all awards are non-transferable and shall not be subject in any manner to sale, transfer, anticipation, alienation, assignment, pledge, encumbrance or charge; (b) awards shall be exercised only by the participant; and (c) amounts payable or shares issuable pursuant to any award shall be delivered only to (or for the account of) the participant.

5.7.2 *Exceptions.* The Administrator may permit awards to be exercised by and paid to, or otherwise transferred to, other persons or entities pursuant to such conditions and procedures, including limitations on subsequent transfers, as the Administrator may, in its sole discretion, establish in writing (provided that any such transfers of ISOs shall be limited to the extent permitted under the federal tax laws governing ISOs). Any permitted transfer shall be subject to compliance with applicable federal and state securities laws.

5.7.3 *Further Exceptions to Limits on Transfer.* The exercise and transfer restrictions in Section 5.7.1 shall not apply to:

(a) transfers to the Corporation,

(b) the designation of a beneficiary to receive benefits in the event of the participant's death or, if the participant has died, transfers to or exercise by the participant's beneficiary, or, in the absence of a validly designated beneficiary, transfers by will or the laws of descent and distribution,

(c) subject to any applicable limitations on ISOs, transfers to a family member (or former family member) pursuant to a domestic relations order if approved or ratified by the Administrator,

(d) subject to any applicable limitations on ISOs, if the participant has suffered a disability, permitted transfers or exercises on behalf of the participant by his or her legal representative, or

(e) the authorization by the Administrator of cashless exercise procedures with third parties who provide financing for the purpose of (or who otherwise facilitate) the exercise of awards consistent with applicable laws and the express authorization of the Administrator.

5.8 *International Awards.* One or more awards may be granted to Eligible Persons who provide services to the Corporation or one of its Subsidiaries outside of the United States. Any awards granted to such persons may, if deemed necessary or advisable by the Administrator, be granted pursuant to the terms and conditions of any applicable sub-plans, if any, appended to this Plan and approved by the Administrator.

5.9 *Vesting.* Subject to Section 5.1.2 hereof, awards shall vest at such time or times and subject to such terms and conditions as shall be determined by the Administrator at the time of grant; provided, however, that in the absence of any award vesting periods designated by the Administrator at the time of grant in the applicable award agreement, awards shall vest as to one-third of the total number of shares subject to the award on each of the first, second and third anniversaries of the date of grant.

6. EFFECT OF TERMINATION OF SERVICE ON AWARDS

6.1 *Termination of Employment.*

6.1.1 The Administrator shall establish the effect of a termination of employment or service on the rights and benefits under each award under this Plan and in so doing may make distinctions based upon, inter alia, the

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cause of termination and type of award. If the participant is not an employee of the Corporation or one of its Subsidiaries and provides other services to the Corporation or one of its Subsidiaries, the Administrator shall be the sole judge for purposes of this Plan (unless a contract or the award agreement otherwise provides) of whether the participant continues to render services to the Corporation or one of its Subsidiaries and the date, if any, upon which such services shall be deemed to have terminated.

6.1.2 For awards of stock options or SARs, unless the award agreement provides otherwise, the exercise period of such options or SARs shall expire: (1) three months after the last day that the participant is employed by or provides services to the Corporation or a Subsidiary (provided; however, that in the event of the participant's death during this period, those persons entitled to exercise the option or SAR pursuant to the laws of descent and distribution shall have one year following the date of death within which to exercise such option or SAR); (2) in the case of a participant whose termination of employment is due to death or disability (as defined in the applicable award agreement), 12 months after the last day that the participant is employed by or provides services to the Corporation or a Subsidiary; and (3) immediately upon a participant's termination for cause. The Administrator will, in its absolute discretion, determine the effect of all matters and questions relating to a termination of employment, including, but not by way of limitation, the question of whether a leave of absence constitutes a termination of employment and whether a participant's termination is for cause.

If not defined in the applicable award agreement, Cause shall mean:

- (i) conviction of a felony or a crime involving fraud or moral turpitude; or
- (ii) theft, material act of dishonesty or fraud, intentional falsification of any employment or Company records, or commission of any criminal act which impairs participant's ability to perform appropriate employment duties for the Corporation; or
- (iii) intentional or reckless conduct or gross negligence materially harmful to the Company or the successor to the Corporation after a Change in Control, including violation of a non-competition or confidentiality agreement; or
- (iv) willful failure to follow lawful instructions of the person or body to which participant reports; or
- (v) gross negligence or willful misconduct in the performance of participant's assigned duties. Cause shall not include mere unsatisfactory performance in the achievement of participant's job objectives.

6.1.3 For awards of restricted shares, unless the award agreement provides otherwise, restricted shares that are subject to restrictions at the time that a participant whose employment or service is terminated shall be forfeited and reacquired by the Corporation; provided that, the Administrator may provide, by rule or regulation or in any award agreement, or may determine in any individual case, that restrictions or forfeiture conditions relating to restricted shares shall be waived in whole or in part in the event of terminations resulting from specified causes, and the Administrator may in other cases waive in whole or in part the forfeiture of restricted shares. Similar rules shall apply in respect of RSUs.

6.2 *Events Not Deemed Terminations of Service.* Unless the express policy of the Corporation or one of its Subsidiaries, or the Administrator, otherwise provides, the employment relationship shall not be considered terminated in the case of (a) sick leave, (b) military leave, or (c) any other leave of absence authorized by the Corporation or one of its Subsidiaries, or the Administrator; provided that unless reemployment upon the expiration of such leave is guaranteed by contract or law, such leave is for a period of not more than 3 months. In the case of any employee of the Corporation or one of its Subsidiaries on an approved leave of absence, continued vesting of the award while on leave from the employ of the Corporation or one of its Subsidiaries may be suspended until the employee returns to service, unless the Administrator otherwise provides or applicable law otherwise requires. In no

event shall an award be exercised after the expiration of the term set forth in the award agreement.

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6.3 Effect of Change of Subsidiary Status. For purposes of this Plan and any award, if an entity ceases to be a Subsidiary of the Corporation, a termination of employment or service shall be deemed to have occurred with respect to each Eligible Person in respect of such Subsidiary who does not continue as an Eligible Person in respect of another entity within the Corporation or another Subsidiary that continues as such after giving effect to the transaction or other event giving rise to the change in status.

7. ADJUSTMENTS; ACCELERATION

7.1 Adjustments. Upon or in contemplation of any of the following events described in this Section 7.1.: any reclassification, recapitalization, stock split (including a stock split in the form of a stock dividend) or reverse stock split (stock split); any merger, arrangement, combination, consolidation, or other reorganization; any spin-off, split-up, or similar extraordinary dividend distribution in respect of the Common Stock (whether in the form of securities or property); any exchange of Common Stock or other securities of the Corporation, or any similar, unusual or extraordinary corporate transaction in respect of the Common Stock; then the Administrator shall in such manner, to such extent and at such time as it deems appropriate and equitable in the circumstances (but subject to compliance with applicable laws and stock exchange requirements) proportionately adjust any or all of (1) the number and type of shares of Common Stock (or other securities) that thereafter may be made the subject of awards (including the number of shares provided for in this Plan), (2) the number, amount and type of shares of Common Stock (or other securities or property) subject to any or all outstanding awards, (3) the grant, purchase, or exercise price (which term includes the base price of any SAR or similar right) of any or all outstanding awards, (4) the securities, cash or other property deliverable upon exercise or payment of any outstanding awards, and (5) the 162(m) compensation limitations set forth in Section 5.2.7 and (subject to Section 8.8.3(a)) the performance standards applicable to any outstanding awards (provided that no adjustment shall be allowed to the extent inconsistent with the requirements of Code section 162(m)). Any adjustment made pursuant to this Section 7.1 shall be made in a manner that, in the good faith determination of the Administrator, will not likely result in the imposition of additional taxes or interest under Section 409A of the Code. With respect to any award of an ISO, the Administrator may make such an adjustment that causes the option to cease to qualify as an ISO without the consent of the affected participant.

7.2 Change in Control. Upon a Change in Control, each then-outstanding option and SAR shall automatically become fully vested, all restricted shares then outstanding shall automatically fully vest free of restrictions, and each other award granted under this Plan that is then outstanding shall automatically become vested and payable to the holder of such award unless the Administrator has made appropriate provision for the substitution, assumption, exchange or other continuation of the award pursuant to the Change in Control. Notwithstanding the foregoing, the Administrator, in its sole and absolute discretion, may choose (in an award agreement or otherwise) to provide for full or partial accelerated vesting of any award upon a Change In Control (or upon any other event or other circumstance related to the Change in Control, such as an involuntary termination of employment occurring after such Change in Control, as the Administrator may determine), irrespective of whether such any such award has been substituted, assumed, exchanged or otherwise continued pursuant to the Change in Control.

For purposes of this Plan, Change in Control shall be deemed to have occurred if:

(i) a tender offer (or series of related offers) shall be made and consummated for the ownership of 50% or more of the outstanding voting securities of the Corporation, unless as a result of such tender offer more than 50% of the outstanding voting securities of the surviving or resulting corporation shall be owned in the aggregate by the stockholders of the Corporation (as of the time immediately prior to the commencement of such offer), any employee benefit plan of the Corporation or its Subsidiaries, and their affiliates;

(ii) the Corporation shall be merged or consolidated with another entity, unless as a result of such merger or consolidation more than 50% of the outstanding voting securities of the surviving or resulting entity shall be owned in the aggregate by the stockholders of the Corporation (as of the time immediately prior to such transaction), any employee benefit plan of the Corporation or its Subsidiaries, and their affiliates;

(iii) the Corporation shall sell substantially all of its assets to another entity that is not wholly owned by the Corporation, unless as a result of such sale more than 50% of such assets shall be owned in the aggregate by the stockholders of the Corporation (as of the time immediately prior to such transaction), any employee benefit plan of the Corporation or its Subsidiaries and their affiliates; or

(iv) a Person (as defined below) shall acquire 50% or more of the outstanding voting securities of the Corporation (whether directly, indirectly, beneficially or of record), unless as a result of such acquisition more than 50% of the outstanding voting securities of the surviving or resulting corporation shall be owned in the aggregate by the stockholders of the Corporation (as of the time immediately prior to the first acquisition of such securities by such Person), any employee benefit plan of the Corporation or its Subsidiaries, and their affiliates.

For purposes of this Section 5(c), ownership of voting securities shall take into account and shall include ownership as determined by applying the provisions of Rule 13d-3(d)(1)(i) (as in effect on the date hereof) under the Exchange Act. In addition, for such purposes, Person shall have the meaning given in Section 3(a)(9) of the Exchange Act, as modified and used in Sections 13(d) and 14(d) thereof; provided, however, that a Person shall not include (A) the Company or any of its Subsidiaries; (B) a trustee or other fiduciary holding securities under an employee benefit plan of the Company or any of its Subsidiaries; (C) an underwriter temporarily holding securities pursuant to an offering of such securities; or (D) a corporation owned, directly or indirectly, by the stockholders of the Company in substantially the same proportion as their ownership of stock of the Company.

Notwithstanding the foregoing, (1) the Administrator may waive the requirement described in paragraph (iv) above that a Person must acquire more than 50% of the outstanding voting securities of the Corporation for a Change in Control to have occurred if the Administrator determines that the percentage acquired by a person is significant (as determined by the Administrator in its discretion) and that waiving such condition is appropriate in light of all facts and circumstances, and (2) no compensation that has been deferred for purposes of Section 409A of the Code shall be payable as a result of a Change in Control unless the Change in Control qualifies as a change in ownership or effective control of the Corporation within the meaning of Section 409A of the Code.

7.3 Early Termination of Awards. Any award that has been accelerated as required or permitted by Section 7.2 upon a Change in Control (or would have been so accelerated but for Section 7.4 or 7.5) shall terminate upon such event, subject to any provision that has been expressly made by the Administrator, through a plan of reorganization or otherwise, for the survival, substitution, assumption, exchange or other continuation of such award and provided that, in the case of options and SARs that will not survive, be substituted for, assumed, exchanged, or otherwise continued in the transaction, the holder of such award shall be given reasonable advance notice of the impending termination and a reasonable opportunity to exercise his or her outstanding options and SARs in accordance with their terms before the termination of such awards (except that in no case shall more than ten days notice of accelerated vesting and the impending termination be required and any acceleration may be made contingent upon the actual occurrence of the event).

The Administrator may make provision for payment in cash or property (or both) in respect of awards terminated pursuant to this section as a result of the Change in Control and may adopt such valuation methodologies for outstanding awards as it deems reasonable and, in the case of options, SARs or similar rights, and without limiting other methodologies, may base such settlement solely upon the excess if any of the per share amount payable upon or in respect of such event over the exercise or base price of the award.

7.4 ***Other Acceleration Rules.*** Any acceleration of awards pursuant to this Section 7 shall comply with applicable legal and stock exchange requirements and, if necessary to accomplish the purposes of the

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acceleration or if the circumstances require, may be deemed by the Administrator to occur a limited period of time not greater than 30 days before the event. Without limiting the generality of the foregoing, the Administrator may deem an acceleration to occur immediately prior to the applicable event and/or reinstate the original terms of an award if an event giving rise to the acceleration does not occur. Notwithstanding any other provision of the Plan to the contrary, the Administrator may override the provisions of Section 7.2, 7.3, and/or 7.5 by express provision in the award agreement or otherwise. The portion of any ISO accelerated pursuant to Section 7.2 or any other action permitted hereunder shall remain exercisable as an ISO only to the extent the applicable \$100,000 limitation on ISOs is not exceeded. To the extent exceeded, the accelerated portion of the option shall be exercisable as a nonqualified stock option under the Code.

7.5 Possible Rescission of Acceleration. If the vesting of an award has been accelerated expressly in anticipation of an event and the Administrator later determines that the event will not occur, the Administrator may rescind the effect of the acceleration as to any then outstanding and unexercised or otherwise unvested awards; provided, that, in the case of any compensation that has been deferred for purposes of Section 409A of the Code, the Administrator determines that such rescission will not likely result in the imposition of additional tax or interest under Code Section 409A.

8. OTHER PROVISIONS

8.1 Compliance with Laws. This Plan, the granting and vesting of awards under this Plan, the offer, issuance and delivery of shares of Common Stock, the acceptance of promissory notes and/or the payment of money under this Plan or under awards are subject to compliance with all applicable federal and state laws, rules and regulations (including but not limited to state and federal securities law, federal margin requirements) and to such approvals by any applicable stock exchange listing, regulatory or governmental authority as may, in the opinion of counsel for the Corporation, be necessary or advisable in connection therewith. The person acquiring any securities under this Plan will, if requested by the Corporation or one of its Subsidiaries, provide such assurances and representations to the Corporation or one of its Subsidiaries as the Administrator may deem necessary or desirable to assure compliance with all applicable legal and accounting requirements.

8.2 Future Awards/Other Rights. No person shall have any claim or rights to be granted an award (or additional awards, as the case may be) under this Plan, subject to any express contractual rights (set forth in a document other than this Plan) to the contrary.

8.3 No Employment/Service Contract. Nothing contained in this Plan (or in any other documents under this Plan or in any award) shall confer upon any Eligible Person or other participant any right to continue in the employ or other service of the Corporation or one of its Subsidiaries, constitute any contract or agreement of employment or other service or affect an employee's status as an employee at will, nor shall interfere in any way with the right of the Corporation or one of its Subsidiaries to change a person's compensation or other benefits, or to terminate his or her employment or other service, with or without cause. Nothing in this Section 8.3, however, is intended to adversely affect any express independent right of such person under a separate employment or service contract other than an award agreement.

8.4 Plan Not Funded. Awards payable under this Plan shall be payable in shares or from the general assets of the Corporation, and no special or separate reserve, fund or deposit shall be made to assure payment of such awards. No participant, beneficiary or other person shall have any right, title or interest in any fund or in any specific asset (including shares of Common Stock, except as expressly otherwise provided) of the Corporation or one of its Subsidiaries by reason of any award hereunder. Neither the provisions of this Plan (or of any related documents), nor the creation or adoption of this Plan, nor any action taken pursuant to the provisions of this Plan shall create, or be construed to create, a trust of any kind or a fiduciary relationship between the Corporation or one of its Subsidiaries and any participant, beneficiary or other person. To the extent that a participant, beneficiary or other person acquires a

right to receive payment pursuant to any award hereunder, such right shall be no greater than the right of any unsecured general creditor of the Corporation.

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8.5 Tax Withholding. Upon any exercise, vesting, or payment of any award, the Corporation or one of its Subsidiaries shall have the right at its option to:

(a) require the participant (or the participant's personal representative or beneficiary, as the case may be) to pay or provide for payment of at least the minimum amount of any taxes which the Corporation or one of its Subsidiaries may be required to withhold with respect to such award event or payment; or

(b) deduct from any amount otherwise payable in cash to the participant (or the participant's personal representative or beneficiary, as the case may be) the minimum amount of any taxes which the Corporation or one of its Subsidiaries may be required to withhold with respect to such cash payment.

In any case where a tax is required to be withheld in connection with the delivery of shares of Common Stock under this Plan, the Administrator may in its sole discretion (subject to Section 8.1) grant (either at the time of the award or thereafter) to the participant the right to elect, pursuant to such rules and subject to such conditions as the Administrator may establish, to have the Corporation reduce the number of shares to be delivered by (or otherwise reacquire) the appropriate number of shares, valued in a consistent manner at their Fair Market Value or at the sales price in accordance with authorized procedures for cashless exercises, necessary to satisfy the minimum applicable withholding obligation on exercise, vesting or payment. In no event shall the shares withheld exceed the minimum whole number of shares required for tax withholding under applicable law.

8.6 Effective Date, Termination and Suspension, Amendments.

8.6.1 Effective Date and Termination. This Plan was approved by the Board and became effective on June 11, 2014. Unless earlier terminated by the Board, this Plan shall terminate at the close of business on June 11, 2024. After the termination of this Plan either upon such stated expiration date or its earlier termination by the Board, no additional awards may be granted under this Plan, but previously granted awards (and the authority of the Administrator with respect thereto, including the authority to amend such awards) shall remain outstanding in accordance with their applicable terms and conditions and the terms and conditions of this Plan.

8.6.2 Board Authorization. The Board may, at any time, terminate or, from time to time, amend, modify or suspend this Plan, in whole or in part. No awards may be granted during any period that the Board suspends this Plan.

8.6.3 Stockholder Approval. To the extent then required by applicable law or any applicable stock exchange or required under Sections 162, 422 or 424 of the Code to preserve the intended tax consequences of this Plan, or deemed necessary or advisable by the Board, this Plan and any amendment to this Plan shall be subject to stockholder approval.

8.6.4 Amendments to Awards. Without limiting any other express authority of the Administrator under (but subject to) the express limits of this Plan, the Administrator by agreement or resolution may waive conditions of or limitations on awards to participants that the Administrator in the prior exercise of its discretion has imposed, without the consent of a participant, and (subject to the requirements of Sections 3.2 and 8.6.5) may make other changes to the terms and conditions of awards. Any amendment or other action that would constitute a repricing of an award is subject to the limitations set forth in Section 3.2(g).

8.6.5 Limitations on Amendments to Plan and Awards. No amendment, suspension or termination of this Plan or change of or affecting any outstanding award shall, without written consent of the participant, affect in any manner materially adverse to the participant any rights or benefits of the participant or obligations of the Corporation under any award granted under this Plan prior to the effective date of such change. Changes, settlements and other actions contemplated by Section 7 shall not be deemed to constitute changes or amendments for purposes of this Section 8.6.

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8.7 Privileges of Stock Ownership. Except as otherwise expressly authorized by the Administrator or this Plan, a participant shall not be entitled to any privilege of stock ownership as to any shares of Common Stock not actually delivered to and held of record by the participant. No adjustment will be made for dividends or other rights as a stockholder for which a record date is prior to such date of delivery.

8.8 Governing Law; Construction; Severability.

8.8.1 Choice of Law. This Plan, the awards, all documents evidencing awards and all other related documents shall be governed by, and construed in accordance with the laws of the State of Delaware.

8.8.2 Severability. If a court of competent jurisdiction holds any provision invalid and unenforceable, the remaining provisions of this Plan shall continue in effect.

8.8.3 Plan Construction.

(a) **Rule 16b-3.** It is the intent of the Corporation that the awards and transactions permitted by awards be interpreted in a manner that, in the case of participants who are or may be subject to Section 16 of the Exchange Act, qualify, to the maximum extent compatible with the express terms of the award, for exemption from matching liability under Rule 16b-3 promulgated under the Exchange Act. Notwithstanding the foregoing, the Corporation shall have no liability to any participant for Section 16 consequences of awards or events under awards if an award or event does not so qualify.

(b) **Section 162(m).** Awards under Sections 5.1.4 through 5.1.7 to persons described in Section 5.2 that are either granted or become vested, exercisable or payable based on attainment of one or more performance goals related to the Business Criteria, as well as Qualifying Options and Qualifying SARs granted to persons described in Section 5.2, that are approved by a committee composed solely of two or more outside directors (as this requirement is applied under Section 162(m) of the Code) shall be deemed to be intended as performance-based compensation within the meaning of Section 162(m) of the Code unless such committee provides otherwise at the time of grant of the award. It is the further intent of the Corporation that (to the extent the Corporation or one of its Subsidiaries or awards under this Plan may be or become subject to limitations on deductibility under Section 162(m) of the Code) any such awards and any other Performance-Based Awards under Section 5.2 that are granted to or held by a person subject to Section 162(m) will qualify as performance-based compensation or otherwise be exempt from deductibility limitations under Section 162(m).

(c) **Code Section 409A Compliance.** The Board intends that, except as may be otherwise determined by the Administrator, any awards under the Plan are either exempt from or satisfy the requirements of Section 409A of the Code and related regulations and Treasury pronouncements (Section 409A) to avoid the imposition of any taxes, including additional income or penalty taxes, thereunder. If the Administrator determines that an award, award agreement, acceleration, adjustment to the terms of an award, payment, distribution, deferral election, transaction or any other action or arrangement contemplated by the provisions of the Plan would, if undertaken, cause a participant's award to become subject to Section 409A, unless the Administrator expressly determines otherwise, such award, award agreement, payment, acceleration, adjustment, distribution, deferral election, transaction or other action or arrangement shall not be undertaken and the related provisions of the Plan and/or award agreement will be deemed modified or, if necessary, rescinded in order to comply with the requirements of Section 409A to the extent determined by the Administrator without the content or notice to the participant. Notwithstanding the foregoing, neither the Company nor the Administrator shall have any obligation to take any action to prevent the assessment of any excise tax or penalty on any participant under Section 409A and neither the Company nor the Administrator will have any liability to any participant for such tax or penalty.

(d) ***No Guarantee of Favorable Tax Treatment.*** Although the Company intends that awards under the Plan will be exempt from, or will comply with, the requirements of Section 409A of the Code, the Company does not warrant that any award under the Plan will qualify for favorable tax treatment under Section 409A of the Code or

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any other provision of federal, state, local or foreign law. The Company shall not be liable to any participant for any tax, interest or penalties the participant might owe as a result of the grant, holding, vesting, exercise or payment of any award under the Plan

8.9 Captions. Captions and headings are given to the sections and subsections of this Plan solely as a convenience to facilitate reference. Such headings shall not be deemed in any way material or relevant to the construction or interpretation of this Plan or any provision thereof.

8.10 Stock-Based Awards in Substitution for Stock Options or Awards Granted by Other Corporation. Awards may be granted to Eligible Persons in substitution for or in connection with an assumption of employee stock options, SARs, restricted stock or other stock-based awards granted by other entities to persons who are or who will become Eligible Persons in respect of the Corporation or one of its Subsidiaries, in connection with a distribution, arrangement, business combination, merger or other reorganization by or with the granting entity or an affiliated entity, or the acquisition by the Corporation or one of its Subsidiaries, directly or indirectly, of all or a substantial part of the stock or assets of the employing entity. The awards so granted need not comply with other specific terms of this Plan, provided the awards reflect only adjustments giving effect to the assumption or substitution consistent with the conversion applicable to the Common Stock in the transaction and any change in the issuer of the security. Any shares that are delivered and any awards that are granted by, or become obligations of, the Corporation, as a result of the assumption by the Corporation of, or in substitution for, outstanding awards previously granted by an acquired company (or previously granted by a predecessor employer (or direct or indirect parent thereof) in the case of persons that become employed by the Corporation or one of its Subsidiaries in connection with a business or asset acquisition or similar transaction) shall not be counted against the Share Limit or other limits on the number of shares available for issuance under this Plan, except as may otherwise be provided by the Administrator at the time of such assumption or substitution or as may be required to comply with the requirements of any applicable stock exchange.

8.11 Non-Exclusivity of Plan. Nothing in this Plan shall limit or be deemed to limit the authority of the Board or the Administrator to grant awards or authorize any other compensation, with or without reference to the Common Stock, under any other plan or authority.

8.12 No Corporate Action Restriction. The existence of this Plan, the award agreements and the awards granted hereunder shall not limit, affect or restrict in any way the right or power of the Board or the stockholders of the Corporation to make or authorize: (a) any adjustment, recapitalization, reorganization or other change in the capital structure or business of the Corporation or any Subsidiary, (b) any merger, arrangement, business combination, amalgamation, consolidation or change in the ownership of the Corporation or any Subsidiary, (c) any issue of bonds, debentures, capital, preferred or prior preference stock ahead of or affecting the capital stock (or the rights thereof) of the Corporation or any Subsidiary, (d) any dissolution or liquidation of the Corporation or any Subsidiary, (e) any sale or transfer of all or any part of the assets or business of the Corporation or any Subsidiary, or (f) any other corporate act or proceeding by the Corporation or any Subsidiary. No participant, beneficiary or any other person shall have any claim under any award or award agreement against any member of the Board or the Administrator, or the Corporation or any employees, officers or agents of the Corporation or any Subsidiary, as a result of any such action.

8.13 Other Corporation Benefit and Compensation Programs. Payments and other benefits received by a participant under an award made pursuant to this Plan shall not be deemed a part of a participant's compensation for purposes of the determination of benefits under any other employee welfare or benefit plans or arrangements, if any, provided by the Corporation or any Subsidiary, except where the Administrator expressly otherwise provides or authorizes in writing or except as otherwise specifically set forth in the terms and conditions of such other employee welfare or benefit plan or arrangement. Awards under this Plan may be made in addition to, in combination with, as alternatives to or in payment of grants, awards or commitments under any other plans or arrangements of the Corporation or its Subsidiaries.

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8.14 ***Prohibition on Repricing.*** Subject to Section 4, the Administrator shall not, without the approval of the stockholders of the Corporation (i) reduce the exercise price, or cancel and reissue options so as to in effect reduce the exercise price or (ii) change the manner of determining the exercise price so that the exercise price is less than the fair market value per share of Common Stock.

As adopted by the Board of Directors of Trovogene, Inc. on June 11, 2014 and amended on March 30, 2015, May 17, 2016 , April 21, 2017, and [DATE].

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CERTIFICATE OF AMENDMENT

of the

AMENDED AND RESTATED CERTIFICATE OF INCORPORATION

Under Section 242 of the Delaware General Corporation Law

Trovagene, Inc., a corporation organized and existing under the laws of the State of Delaware (the **Corporation**) hereby certifies as follows:

FIRST: That the Board of Directors of the Corporation has duly adopted resolutions (i) authorizing the Corporation to execute and file with the Secretary of State of the State of Delaware this Certificate of Amendment of the Corporation's Amended and Restated Certificate of Incorporation (this **Amendment**) to combine each _____ ([]) shares of the Corporation's common stock, par value \$0.0001 per share (the **Common Stock**), either issued and outstanding or held by the Corporation as treasury stock, into one (1) share of Common Stock; (ii) declaring this Amendment to be advisable, submitted to and considered by the stockholders of the Corporation entitled to vote thereon for approval by the affirmative vote of such stockholders in accordance with the terms of the Corporation's Amended and Restated Certificate of Incorporation (the **Certificate of Incorporation**) and Section 242 of the General Corporation Law of the State of Delaware (the **DGCL**); and (iii) recommending this Amendment for approval by the stockholders of the Corporation.

SECOND: That this Amendment was duly adopted in accordance with the terms of the Certificate of Incorporation and the provisions of Section 242 of the DGCL by the stockholders of the Corporation.

THIRD: Effective at [TIME] (New York City time) on the date of the filing of this Amendment with the Secretary of State of the State of Delaware (with such time on such date being the **Effective Time**), the Amended and Restated Certificate of Incorporation shall be amended by amending the Article **FOURTH** thereof to insert the following at the end thereof:

Effective at [TIME] (New York City time) on the date of the filing of the Certificate of Amendment of the Amended and Restated Certificate of Incorporation of the Corporation, dated [DATE], 201[8/9], with the Secretary of State of the State of Delaware to insert the following provisions to the Restated Certificate of Incorporation (the **Effective Time**), each [NUMBER] ([]) shares of Common Stock either issued and outstanding or held by the Corporation as treasury stock immediately prior to the Effective Time shall be combined into one (1) share of Common Stock (the **Reverse Stock Split**). Further, every right, option and warrant to acquire shares of Common Stock outstanding immediately prior to the Effective Time shall, as of the Effective Time and without any further action, automatically be reclassified into the right to acquire one (1) share of Common Stock based on the above ratio, but otherwise upon the terms of such right, option or warrant (except that the exercise or purchase price of such right, option or warrant shall be proportionately adjusted). No fractional share shall be issued upon the Reverse Stock Split. All shares of Common Stock (including fractions thereof) issuable upon the Reverse Stock Split to a given holder shall be aggregated for purposes of determining whether the Reverse Stock Split would result in the issuance of any fractional share. If, after the aforementioned aggregation, the Reverse Stock Split would result in the issuance of a fraction of a share of Common Stock, in lieu of receiving any such fractional share, the holder (other than with respect to shares of Common Stock held by the Corporation as treasury stock) otherwise entitled to such fraction will receive a sum in cash equal to the fraction multiplied by the fair market value per share of the Common Stock as determined in a reasonable manner by the Board of Directors. Upon surrender by a holder of a certificate or certificates for Common Stock (or, if lost, an acceptable affidavit of loss is delivered to the Corporation), the Corporation shall, as soon as

practicable thereafter, issue and deliver to such holder, or to the nominee or assignee of such holder, a new certificate or certificates for the number of shares of Common Stock that such holder shall be entitled to following the Reverse Stock Split.

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IN WITNESS WHEREOF, I have executed this Amendment this __ day of _____, 201[8/9].

By:
Name: William Welch
Title: Chief Executive Officer

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PROXY CARD

TROVAGENE, INC.

PROXY FOR ANNUAL MEETING TO BE HELD ON MAY 30, 2018

THIS PROXY IS SOLICITED ON BEHALF OF THE BOARD OF DIRECTORS

The undersigned hereby appoints, William Welch and George Samuel, and each of them, as proxies, each with full power of substitution, to represent and to vote all the shares of common stock of Trovogene, Inc. (the **Company**), which the undersigned would be entitled to vote, at the Company's Annual Meeting of Stockholders to be held on May 30, 2018 and at any adjournments thereof, subject to the directions indicated on this Proxy Card.

In their discretion, the proxy is authorized to vote upon any other matter that may properly come before the meeting or any adjournments thereof.

THIS PROXY WILL BE VOTED IN ACCORDANCE WITH THE SPECIFICATIONS MADE, BUT IF NO CHOICES ARE INDICATED, THIS PROXY WILL BE VOTED FOR THE ELECTION OF ALL NOMINEES AND FOR THE PROPOSALS LISTED ON THE REVERSE SIDE.

This proxy is governed by the laws of the State of Delaware.

IMPORTANT This Proxy must be signed and dated on the reverse side.

Important Notice Regarding the Availability of Proxy Materials for the Annual Meeting of Stockholders to Be Held on May 30, 2018 at 9:00 am local time at the Company's offices located at 11055 Flintkote Avenue, San Diego, California 92121. The proxy statement and the 2017 Annual Report on Form 10-K are available at www.pstvote.com/trovogene2018.

THIS IS YOUR PROXY

YOUR VOTE IS IMPORTANT!

Dear Stockholder:

We cordially invite you to attend the Annual Meeting of Stockholders of Trovogene, Inc. to be held at Trovogene's offices located at 11055 Flintkote Avenue, San Diego, California 92121, on May 30, 2018, beginning at 9:00 a.m. local time.

Please read the proxy statement which describes the proposals and presents other important information, and complete, sign and return your proxy promptly in the enclosed envelope.

THE BOARD OF DIRECTORS RECOMMENDS A VOTE FOR PROPOSALS 1-4

- | | |
|---|---|
| <p>1. Election of Directors Nominees</p> <p>01-Thomas H. Adams
 02-Gary S. Jacob
 03-Dr. Rodney Markin
 04-John P. Brancaccio
 05-William Welch
 06-Dr. Stanley Tennant
 07- Dr. Athena Countouriotis</p> | <p>FOR WITHHOLD</p> |
| <p>2. Proposal to ratify BDO USA, LLP as the Company's independent registered public accountants for fiscal year ending December 31, 2018.</p> | <p>FOR AGAINST ABST</p> <p style="text-align: right;">AIN</p> |
| <p>3. Proposal to approve an amendment to the Company's 2014 Equity Incentive Plan to increase the number of shares issuable thereunder to 17,500,000 shares from 9,500,000 shares.</p> | <p>FOR AGAINST ABST</p> <p style="text-align: right;">AIN</p> |
| <p>4. Proposal to approve an amendment to the Company's Certificate of Incorporation to effect a reverse stock split of the Company's common stock at a specific ratio, within a range of 1-for-3 and 1-for-18, to be determined by the Company's Board of Directors in its sole discretion and effected, if at all, on or before May 30, 2019.</p> | <p>FOR AGAINST ABST</p> <p style="text-align: right;">AIN</p> |

Important: Please sign exactly as name appears on this proxy. When signing as attorney, executor, trustee, guardian, corporate officer, etc., please indicate full title.

Dated: _____, 2018

Signature _____

Name (printed) _____

Title _____

VOTING INSTRUCTIONS

You may vote your proxy in the following ways:

1. VIA INTERNET:

Login to www.pstvote.com/trovogene2018
Enter your control number (12 digit number located below)

2. VIA MAIL:

Philadelphia Stock Transfer, Inc.
2320 Haverford Rd., Suite 230
Ardmore, PA 19003

CONTROL NUMBER:

You may vote by Internet 24 hours a day, 7 days a week. Internet voting is available through 11:59 p.m.,
prevailing time, on May 29, 2018.