

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6054817

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOSHUA BABIARZ	04/20/2015
TUDOR POMPILIU CONSTANTIN	04/20/2015
LANE A. EUBANK	04/20/2015
GEORGE GEMELOS	04/17/2015
MATTHEW HILL	04/17/2015
HUSEYIN ESER KIRKIZLAR	04/17/2015
MATTHEW RABINOWITZ	04/16/2015
ONUR SAKARYA	04/17/2015
STYRMIR SIGURJONSSON	04/17/2015
BERNHARD ZIMMERMANN	04/20/2015

RECEIVING PARTY DATA

Name:	NATERA, INC.
Street Address:	201 INDUSTRIAL ROAD
Internal Address:	SUITE 410
City:	SAN CARLOS
State/Country:	CALIFORNIA
Postal Code:	94070

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16014961

CORRESPONDENCE DATA**Fax Number:**

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: IP@natera.com
Correspondent Name: NATERA, INC.
Address Line 1: 201 INDUSTRIAL ROAD
Address Line 2: SUITE 410
Address Line 4: SAN CARLOS, CALIFORNIA 94070

ATTORNEY DOCKET NUMBER:	N.012.US.17
NAME OF SUBMITTER:	ANGELA Y. MCGOWAN
SIGNATURE:	/Angela Y. McGowan/
DATE SIGNED:	04/09/2020

Total Attachments: 40

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ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged, I/we:

1. Joshua Babiarz, a citizen of the United States of America having a mailing address of 3143 Huntington Ct, Castro Valley, CA 94546, and a resident of U.S.A.

do hereby SELL, ASSIGN, AND TRANSFER to Natera, Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at 201 Industrial Road, Suite 410, San Carlos, CA 94070, the entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America and all other countries throughout the world in and to

(1) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in

(a) United States Patent Application No. 61/982,245, filed on 2014-04-21 entitled METHODS FOR DETECTING DELETIONS AND DUPLICATIONS OF CHROMOSOME SEGMENTS;

United States Patent Application No. 61/987,407, filed on 2014-05-01 entitled METHODS FOR DETECTING DELETIONS AND DUPLICATIONS OF CHROMOSOME SEGMENTS;

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United States Patent Application No. 62/148,173, filed on 2015-04-15
entitled METHODS FOR DETECTING DELETIONS AND
DUPLICATIONS OF CHROMOSOME SEGMENTS;

United States Patent Application No. 14/692,703, filed on
2015-04-21 entitled METHODS FOR DETECTING DELETIONS
AND DUPLICATIONS OF CHROMOSOME SEGMENTS;

- (b) any and all non-provisional, continuing, continuation, divisional, continuation-in-part, design, utility model, substitute, extension, renewal, reissue, reexamination, and any and all other applications for patent which have been or shall be filed in the United States and any other country in the world that claim priority to or through any of the foregoing applications; and
- (c) any and all original, reissued and reexamined patents which have been or shall be issued in the United States and any other country in the world on or resulting from any of the applications referenced in (a) or (b), to the full extent of the term(s) for which such patents issue;
- (2) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in any of the foregoing applications and patents, and in any and all forms of intellectual and industrial property protection derivable from such, and that are derivable from any continuing applications, reissues, extensions, renewals and reexaminations of such applications and patents, including, without limitation, patents, applications, utility models, inventor's certificates, and designs;
- (3) the right to file patent applications under the provisions of any convention or treaty and claim priority based on any of the foregoing applications in the United States and any other country in the world; and
- (4) the copyright in any and all material described, disclosed, or contained in the foregoing applications and patents;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and

interest would have been held and enjoyed by the Assignor had this assignment and sale not been made;

AUTHORIZE AND REQUEST the issuing authority in the United States and in any other country in the world to issue patent(s) granted on any and all applications, inventions, improvements, know-how, and other subject matter referenced in (1) and (2) above to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned; and

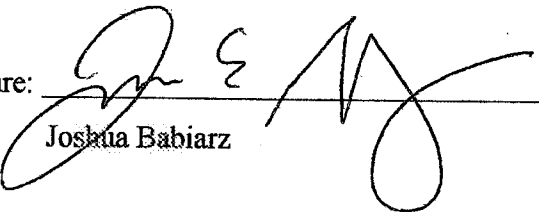
COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute any and all papers and documents (including without limitation oaths, declarations, assignments, and powers of attorney) and perform any and all acts reasonably necessary in connection with the filing, prosecution, and issuance of each of the patent applications and patents referenced herein; (2) communicate to the Assignee all facts known to the undersigned relating to applications, patents, inventions, improvements, know-how, and other subject matter referenced herein; and (3) generally do everything possible that the Assignee shall reasonably consider desirable to vest title in Assignee in and to each of the applications, patents, inventions, improvements, know-how, and other subject matter referenced herein and for securing, maintaining, and enforcing proper patent protections for inventions, improvements, know-how, and other subject matter referenced herein.

ASSIGNOR(S) HEREBY AUTHORIZE AND REQUEST Assignee and/or Assignee's agents associated with customer number 110711 to insert in (1)(a) above any filing date and application number of application(s) when known.

TO BE BINDING on the heirs, assigns, representatives, and successors of the undersigned and extend to the successors, assigns, and nominees of the Assignee.

SEVERABILITY. If a provision of this Assignment is or becomes illegal, invalid, or unenforceable in any jurisdiction, that shall not affect the validity or enforceability in that jurisdiction of any other provision of this Assignment, or the validity or enforceability in other jurisdictions of that or any other provision of this Assignment.

Date: 4/20/2015

Signature: 
Joshua Babiarz

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged, I/we:

1. Tudor Pompiliu Constantin, a citizen of Romania, having a mailing address of 2758 Acton St., Berkeley, CA, 94702, and a resident of U.S.A. .

do hereby SELL, ASSIGN, AND TRANSFER to Natera, Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at 201 Industrial Road, Suite 410, San Carlos, CA 94070, the entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America and all other countries throughout the world in and to

(1) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in

(a) United States Patent Application No. 61/982,245, filed on 2014-04-21 entitled METHODS FOR DETECTING DELETIONS AND DUPLICATIONS OF CHROMOSOME SEGMENTS;

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United States Patent Application No. 62/148,173, filed on 2015-04-15
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DUPLICATIONS OF CHROMOSOME SEGMENTS;

United States Patent Application No. 14/692,703, filed on
2015-04-21 entitled METHODS FOR DETECTING DELETIONS
AND DUPLICATIONS OF CHROMOSOME SEGMENTS;

- (b) any and all non-provisional, continuing, continuation, divisional, continuation-in-part, design, utility model, substitute, extension, renewal, reissue, reexamination, and any and all other applications for patent which have been or shall be filed in the United States and any other country in the world that claim priority to or through any of the foregoing applications; and
- (c) any and all original, reissued and reexamined patents which have been or shall be issued in the United States and any other country in the world on or resulting from any of the applications referenced in (a) or (b), to the full extent of the term(s) for which such patents issue;
- (2) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in any of the foregoing applications and patents, and in any and all forms of intellectual and industrial property protection derivable from such, and that are derivable from any continuing applications, reissues, extensions, renewals and reexaminations of such applications and patents, including, without limitation, patents, applications, utility models, inventor's certificates, and designs;
- (3) the right to file patent applications under the provisions of any convention or treaty and claim priority based on any of the foregoing applications in the United States and any other country in the world; and
- (4) the copyright in any and all material described, disclosed, or contained in the foregoing applications and patents;
- all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and

interest would have been held and enjoyed by the Assignor had this assignment and sale not been made;

AUTHORIZE AND REQUEST the issuing authority in the United States and in any other country in the world to issue patent(s) granted on any and all applications, inventions, improvements, know-how, and other subject matter referenced in (1) and (2) above to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned; and

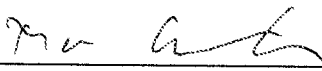
COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute any and all papers and documents (including without limitation oaths, declarations, assignments, and powers of attorney) and perform any and all acts reasonably necessary in connection with the filing, prosecution, and issuance of each of the patent applications and patents referenced herein; (2) communicate to the Assignee all facts known to the undersigned relating to applications, patents, inventions, improvements, know-how, and other subject matter referenced herein; and (3) generally do everything possible that the Assignee shall reasonably consider desirable to vest title in Assignee in and to each of the applications, patents, inventions, improvements, know-how, and other subject matter referenced herein and for securing, maintaining, and enforcing proper patent protections for inventions, improvements, know-how, and other subject matter referenced herein.

ASSIGNOR(S) HEREBY AUTHORIZE AND REQUEST Assignee and/or Assignee's agents associated with customer number 110711 to insert in (1)(a) above any filing date and application number of application(s) when known.

TO BE BINDING on the heirs, assigns, representatives, and successors of the undersigned and extend to the successors, assigns, and nominees of the Assignee.

SEVERABILITY. If a provision of this Assignment is or becomes illegal, invalid, or unenforceable in any jurisdiction, that shall not affect the validity or enforceability in that jurisdiction of any other provision of this Assignment, or the validity or enforceability in other jurisdictions of that or any other provision of this Assignment.

Date: 4/20/15

Signature: 

Tudor Pompiliu Constantin

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged, I/we:

1. Lane A. Eubank, a citizen of United States of American, having a mailing address of 1621 Cordilleras Avenue, San Carlos, CA 94070, and a resident of U.S.A. .

do hereby SELL, ASSIGN, AND TRANSFER to Natera, Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at 201 Industrial Road, Suite 410, San Carlos, CA 94070, the entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America and all other countries throughout the world in and to

(1) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in

(a) United States Patent Application No. 61/982,245, filed on 2014-04-21 entitled METHODS FOR DETECTING DELETIONS AND DUPLICATIONS OF CHROMOSOME SEGMENTS;

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DUPLICATIONS OF CHROMOSOME SEGMENTS;

United States Patent Application No. 14/692,703, filed on
2015-04-21 entitled METHODS FOR DETECTING DELETIONS
AND DUPLICATIONS OF CHROMOSOME SEGMENTS;

- (b) any and all non-provisional, continuing, continuation, divisional, continuation-in-part, design, utility model, substitute, extension, renewal, reissue, reexamination, and any and all other applications for patent which have been or shall be filed in the United States and any other country in the world that claim priority to or through any of the foregoing applications; and
 - (c) any and all original, reissued and reexamined patents which have been or shall be issued in the United States and any other country in the world on or resulting from any of the applications referenced in (a) or (b), to the full extent of the term(s) for which such patents issue;
- (2) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in any of the foregoing applications and patents, and in any and all forms of intellectual and industrial property protection derivable from such, and that are derivable from any continuing applications, reissues, extensions, renewals and reexaminations of such applications and patents, including, without limitation, patents, applications, utility models, inventor's certificates, and designs;
 - (3) the right to file patent applications under the provisions of any convention or treaty and claim priority based on any of the foregoing applications in the United States and any other country in the world; and
 - (4) the copyright in any and all material described, disclosed, or contained in the foregoing applications and patents;
- all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and

interest would have been held and enjoyed by the Assignor had this assignment and sale not been made;

AUTHORIZE AND REQUEST the issuing authority in the United States and in any other country in the world to issue patent(s) granted on any and all applications, inventions, improvements, know-how, and other subject matter referenced in (1) and (2) above to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned; and

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute any and all papers and documents (including without limitation oaths, declarations, assignments, and powers of attorney) and perform any and all acts reasonably necessary in connection with the filing, prosecution, and issuance of each of the patent applications and patents referenced herein; (2) communicate to the Assignee all facts known to the undersigned relating to applications, patents, inventions, improvements, know-how, and other subject matter referenced herein; and (3) generally do everything possible that the Assignee shall reasonably consider desirable to vest title in Assignee in and to each of the applications, patents, inventions, improvements, know-how, and other subject matter referenced herein and for securing, maintaining, and enforcing proper patent protections for inventions, improvements, know-how, and other subject matter referenced herein.

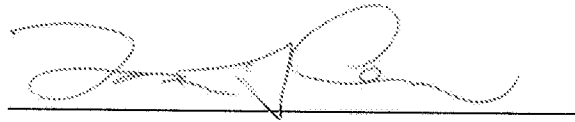
ASSIGNOR(S) HEREBY AUTHORIZE AND REQUEST Assignee and/or Assignee's agents associated with customer number 110711 to insert in (1)(a) above any filing date and application number of application(s) when known.

TO BE BINDING on the heirs, assigns, representatives, and successors of the undersigned and extend to the successors, assigns, and nominees of the Assignee.

SEVERABILITY. If a provision of this Assignment is or becomes illegal, invalid, or unenforceable in any jurisdiction, that shall not affect the validity or enforceability in that jurisdiction of any other provision of this Assignment, or the validity or enforceability in other jurisdictions of that or any other provision of this Assignment.

Date: 4.20.2015

Signature: _____



Lane A. Eubank

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged, I/we:

1. George Gemelos, a citizen of United States of America, having a mailing address of 72 Barrow St., Apt. 6N, New York, NY, 10014, and a resident of U.S.A. .

do hereby SELL, ASSIGN, AND TRANSFER to Natera, Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at 201 Industrial Road, Suite 410, San Carlos, CA 94070, the entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America and all other countries throughout the world in and to

(1) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in

(a) United States Patent Application No. 61/982,245, filed on 2014-04-21 entitled METHODS FOR DETECTING DELETIONS AND DUPLICATIONS OF CHROMOSOME SEGMENTS;

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- (b) any and all non-provisional, continuing, continuation, divisional, continuation-in-part, design, utility model, substitute, extension, renewal, reissue, reexamination, and any and all other applications for patent which have been or shall be filed in the United States and any other country in the world that claim priority to or through any of the foregoing applications; and
- (c) any and all original, reissued and reexamined patents which have been or shall be issued in the United States and any other country in the world on or resulting from any of the applications referenced in (a) or (b), to the full extent of the term(s) for which such patents issue;
- (2) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in any of the foregoing applications and patents, and in any and all forms of intellectual and industrial property protection derivable from such, and that are derivable from any continuing applications, reissues, extensions, renewals and reexaminations of such applications and patents, including, without limitation, patents, applications, utility models, inventor's certificates, and designs;
- (3) the right to file patent applications under the provisions of any convention or treaty and claim priority based on any of the foregoing applications in the United States and any other country in the world; and
- (4) the copyright in any and all material described, disclosed, or contained in the foregoing applications and patents;
- all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and

interest would have been held and enjoyed by the Assignor had this assignment and sale not been made;

AUTHORIZE AND REQUEST the issuing authority in the United States and in any other country in the world to issue patent(s) granted on any and all applications, inventions, improvements, know-how, and other subject matter referenced in (1) and (2) above to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned; and

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute any and all papers and documents (including without limitation oaths, declarations, assignments, and powers of attorney) and perform any and all acts reasonably necessary in connection with the filing, prosecution, and issuance of each of the patent applications and patents referenced herein; (2) communicate to the Assignee all facts known to the undersigned relating to applications, patents, inventions, improvements, know-how, and other subject matter referenced herein; and (3) generally do everything possible that the Assignee shall reasonably consider desirable to vest title in Assignee in and to each of the applications, patents, inventions, improvements, know-how, and other subject matter referenced herein and for securing, maintaining, and enforcing proper patent protections for inventions, improvements, know-how, and other subject matter referenced herein.

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Date: 4/17/15

Signature:  _____

George Gemelos

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged, I/we:

1. Matthew Hill, a citizen of United States of America, having a mailing address of 255 Orchard Avenue, Redwood City, CA 94061, and a resident of U.S.A. .

do hereby SELL, ASSIGN, AND TRANSFER to Natera, Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at 201 Industrial Road, Suite 410, San Carlos, CA 94070, the entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America and all other countries throughout the world in and to

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- (b) any and all non-provisional, continuing, continuation, divisional, continuation-in-part, design, utility model, substitute, extension, renewal, reissue, reexamination, and any and all other applications for patent which have been or shall be filed in the United States and any other country in the world that claim priority to or through any of the foregoing applications; and
- (c) any and all original, reissued and reexamined patents which have been or shall be issued in the United States and any other country in the world on or resulting from any of the applications referenced in (a) or (b), to the full extent of the term(s) for which such patents issue;
- (2) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in any of the foregoing applications and patents, and in any and all forms of intellectual and industrial property protection derivable from such, and that are derivable from any continuing applications, reissues, extensions, renewals and reexaminations of such applications and patents, including, without limitation, patents, applications, utility models, inventor's certificates, and designs;
- (3) the right to file patent applications under the provisions of any convention or treaty and claim priority based on any of the foregoing applications in the United States and any other country in the world; and
- (4) the copyright in any and all material described, disclosed, or contained in the foregoing applications and patents;
- all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and

interest would have been held and enjoyed by the Assignor had this assignment and sale not been made;

AUTHORIZE AND REQUEST the issuing authority in the United States and in any other country in the world to issue patent(s) granted on any and all applications, inventions, improvements, know-how, and other subject matter referenced in (1) and (2) above to the Assignee;


WARRANT AND COVENANT that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned; and

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute any and all papers and documents (including without limitation oaths, declarations, assignments, and powers of attorney) and perform any and all acts reasonably necessary in connection with the filing, prosecution, and issuance of each of the patent applications and patents referenced herein; (2) communicate to the Assignee all facts known to the undersigned relating to applications, patents, inventions, improvements, know-how, and other subject matter referenced herein; and (3) generally do everything possible that the Assignee shall reasonably consider desirable to vest title in Assignee in and to each of the applications, patents, inventions, improvements, know-how, and other subject matter referenced herein and for securing, maintaining, and enforcing proper patent protections for inventions, improvements, know-how, and other subject matter referenced herein.

ASSIGNOR(S) HEREBY AUTHORIZE AND REQUEST Assignee and/or Assignee's agents associated with customer number 110711 to insert in (1)(a) above any filing date and application number of application(s) when known.

TO BE BINDING on the heirs, assigns, representatives, and successors of the undersigned and extend to the successors, assigns, and nominees of the Assignee.

SEVERABILITY. If a provision of this Assignment is or becomes illegal, invalid, or unenforceable in any jurisdiction, that shall not affect the validity or enforceability in that jurisdiction of any other provision of this Assignment, or the validity or enforceability in other jurisdictions of that or any other provision of this Assignment.

Date: April 17, 2015 Signature: 
Matthew Hill

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged, I/we:

1. Huseyin Eser Kirkizlar, a citizen of Turkey, having a mailing address of 1325 Indiana St. Unit 313, San Francisco, CA 94107, and a resident of U.S.A. .

do hereby SELL, ASSIGN, AND TRANSFER to Natera, Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at 201 Industrial Road, Suite 410, San Carlos, CA 94070, the entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America and all other countries throughout the world in and to

(1) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in

(a) United States Patent Application No. 61/982,245, filed on 2014-04-21 entitled METHODS FOR DETECTING DELETIONS AND DUPLICATIONS OF CHROMOSOME SEGMENTS;

United States Patent Application No. 61/987,407, filed on 2014-05-01 entitled METHODS FOR DETECTING DELETIONS AND DUPLICATIONS OF CHROMOSOME SEGMENTS;

United States Patent Application No. 62/066,514, filed on 2014-10-21 entitled METHODS FOR DETECTING DELETIONS AND DUPLICATIONS OF CHROMOSOME SEGMENTS;

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United States Patent Application No. 62/147,377, filed on 2015-04-14 entitled METHODS FOR DETECTING DELETIONS AND DUPLICATIONS OF CHROMOSOME SEGMENTS;

United States Patent Application No. 62/148,173, filed on 2015-04-15
entitled METHODS FOR DETECTING DELETIONS AND
DUPLICATIONS OF CHROMOSOME SEGMENTS;

United States Patent Application No. 14/692,703, filed on
2015-04-21 entitled METHODS FOR DETECTING DELETIONS
AND DUPLICATIONS OF CHROMOSOME SEGMENTS;

- (b) any and all non-provisional, continuing, continuation, divisional, continuation-in-part, design, utility model, substitute, extension, renewal, reissue, reexamination, and any and all other applications for patent which have been or shall be filed in the United States and any other country in the world that claim priority to or through any of the foregoing applications; and
- (c) any and all original, reissued and reexamined patents which have been or shall be issued in the United States and any other country in the world on or resulting from any of the applications referenced in (a) or (b), to the full extent of the term(s) for which such patents issue;
- (2) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in any of the foregoing applications and patents, and in any and all forms of intellectual and industrial property protection derivable from such, and that are derivable from any continuing applications, reissues, extensions, renewals and reexaminations of such applications and patents, including, without limitation, patents, applications, utility models, inventor's certificates, and designs;
- (3) the right to file patent applications under the provisions of any convention or treaty and claim priority based on any of the foregoing applications in the United States and any other country in the world; and
- (4) the copyright in any and all material described, disclosed, or contained in the foregoing applications and patents;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and

interest would have been held and enjoyed by the Assignor had this assignment and sale not been made;

AUTHORIZE AND REQUEST the issuing authority in the United States and in any other country in the world to issue patent(s) granted on any and all applications, inventions, improvements, know-how, and other subject matter referenced in (1) and (2) above to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned; and


COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute any and all papers and documents (including without limitation oaths, declarations, assignments, and powers of attorney) and perform any and all acts reasonably necessary in connection with the filing, prosecution, and issuance of each of the patent applications and patents referenced herein; (2) communicate to the Assignee all facts known to the undersigned relating to applications, patents, inventions, improvements, know-how, and other subject matter referenced herein; and (3) generally do everything possible that the Assignee shall reasonably consider desirable to vest title in Assignee in and to each of the applications, patents, inventions, improvements, know-how, and other subject matter referenced herein and for securing, maintaining, and enforcing proper patent protections for inventions, improvements, know-how, and other subject matter referenced herein.

ASSIGNOR(S) HEREBY AUTHORIZE AND REQUEST Assignee and/or Assignee's agents associated with customer number 110711 to insert in (1)(a) above any filing date and application number of application(s) when known.

TO BE BINDING on the heirs, assigns, representatives, and successors of the undersigned and extend to the successors, assigns, and nominees of the Assignee.

SEVERABILITY. If a provision of this Assignment is or becomes illegal, invalid, or unenforceable in any jurisdiction, that shall not affect the validity or enforceability in that jurisdiction of any other provision of this Assignment, or the validity or enforceability in other jurisdictions of that or any other provision of this Assignment.

Date: 04/17/2015

Signature: 

Huseyin Eser Kirkizlar

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged, I/we:

1. Matthew Rabinowitz, a citizen of United States of America, having a mailing address of 470 Collingwood St., Apt. 9, San Francisco, CA 94114, and a resident of U.S.A. .

do hereby SELL, ASSIGN, AND TRANSFER to Natera, Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at 201 Industrial Road, Suite 410, San Carlos, CA 94070, the entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America and all other countries throughout the world in and to

(1) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in

(a) United States Patent Application No. 61/982,245, filed on 2014-04-21 entitled METHODS FOR DETECTING DELETIONS AND DUPLICATIONS OF CHROMOSOME SEGMENTS;

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entitled METHODS FOR DETECTING DELETIONS AND
DUPLICATIONS OF CHROMOSOME SEGMENTS;

United States Patent Application No. 14/692,703, filed on
2015-04-21 entitled METHODS FOR DETECTING DELETIONS
AND DUPLICATIONS OF CHROMOSOME SEGMENTS;

- (b) any and all non-provisional, continuing, continuation, divisional, continuation-in-part, design, utility model, substitute, extension, renewal, reissue, reexamination, and any and all other applications for patent which have been or shall be filed in the United States and any other country in the world that claim priority to or through any of the foregoing applications; and
- (c) any and all original, reissued and reexamined patents which have been or shall be issued in the United States and any other country in the world on or resulting from any of the applications referenced in (a) or (b), to the full extent of the term(s) for which such patents issue;
- (2) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in any of the foregoing applications and patents, and in any and all forms of intellectual and industrial property protection derivable from such, and that are derivable from any continuing applications, reissues, extensions, renewals and reexaminations of such applications and patents, including, without limitation, patents, applications, utility models, inventor's certificates, and designs;
- (3) the right to file patent applications under the provisions of any convention or treaty and claim priority based on any of the foregoing applications in the United States and any other country in the world; and
- (4) the copyright in any and all material described, disclosed, or contained in the foregoing applications and patents;
- all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and

interest would have been held and enjoyed by the Assignor had this assignment and sale not been made;

AUTHORIZE AND REQUEST the issuing authority in the United States and in any other country in the world to issue patent(s) granted on any and all applications, inventions, improvements, know-how, and other subject matter referenced in (1) and (2) above to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned; and


COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute any and all papers and documents (including without limitation oaths, declarations, assignments, and powers of attorney) and perform any and all acts reasonably necessary in connection with the filing, prosecution, and issuance of each of the patent applications and patents referenced herein; (2) communicate to the Assignee all facts known to the undersigned relating to applications, patents, inventions, improvements, know-how, and other subject matter referenced herein; and (3) generally do everything possible that the Assignee shall reasonably consider desirable to vest title in Assignee in and to each of the applications, patents, inventions, improvements, know-how, and other subject matter referenced herein and for securing, maintaining, and enforcing proper patent protections for inventions, improvements, know-how, and other subject matter referenced herein.

ASSIGNOR(S) HEREBY AUTHORIZE AND REQUEST Assignee and/or Assignee's agents associated with customer number 110711 to insert in (1)(a) above any filing date and application number of application(s) when known.

TO BE BINDING on the heirs, assigns, representatives, and successors of the undersigned and extend to the successors, assigns, and nominees of the Assignee.

SEVERABILITY. If a provision of this Assignment is or becomes illegal, invalid, or unenforceable in any jurisdiction, that shall not affect the validity or enforceability in that jurisdiction of any other provision of this Assignment, or the validity or enforceability in other jurisdictions of that or any other provision of this Assignment.

Date: 4/16/15

Signature:  _____

Matthew Rabinowitz

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged, I/we:

1. Onur Sakarya, a citizen of Turkey, having a mailing address of 212 Shorebird Circle, Redwood City, CA 94065, and a resident of U.S.A. .

do hereby SELL, ASSIGN, AND TRANSFER to Natera, Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at 201 Industrial Road, Suite 410, San Carlos, CA 94070, the entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America and all other countries throughout the world in and to

(1) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in

(a) United States Patent Application No. 61/982,245, filed on 2014-04-21 entitled METHODS FOR DETECTING DELETIONS AND DUPLICATIONS OF CHROMOSOME SEGMENTS;

United States Patent Application No. 61/987,407, filed on 2014-05-01 entitled METHODS FOR DETECTING DELETIONS AND DUPLICATIONS OF CHROMOSOME SEGMENTS;

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United States Patent Application No. 62/146,188, filed on 2015-04-10 entitled METHODS FOR DETECTING DELETIONS AND DUPLICATIONS OF CHROMOSOME SEGMENTS;

United States Patent Application No. 62/147,377, filed on 2015-04-14 entitled METHODS FOR DETECTING DELETIONS AND DUPLICATIONS OF CHROMOSOME SEGMENTS;

United States Patent Application No. 62/148,173, filed on 2015-04-15
entitled METHODS FOR DETECTING DELETIONS AND
DUPLICATIONS OF CHROMOSOME SEGMENTS;

United States Patent Application No. 14/692,703, filed on
2015-04-21 entitled METHODS FOR DETECTING DELETIONS
AND DUPLICATIONS OF CHROMOSOME SEGMENTS;

- (b) any and all non-provisional, continuing, continuation, divisional, continuation-in-part, design, utility model, substitute, extension, renewal, reissue, reexamination, and any and all other applications for patent which have been or shall be filed in the United States and any other country in the world that claim priority to or through any of the foregoing applications; and
- (c) any and all original, reissued and reexamined patents which have been or shall be issued in the United States and any other country in the world on or resulting from any of the applications referenced in (a) or (b), to the full extent of the term(s) for which such patents issue;
- (2) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in any of the foregoing applications and patents, and in any and all forms of intellectual and industrial property protection derivable from such, and that are derivable from any continuing applications, reissues, extensions, renewals and reexaminations of such applications and patents, including, without limitation, patents, applications, utility models, inventor's certificates, and designs;
- (3) the right to file patent applications under the provisions of any convention or treaty and claim priority based on any of the foregoing applications in the United States and any other country in the world; and
- (4) the copyright in any and all material described, disclosed, or contained in the foregoing applications and patents;
- all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and

interest would have been held and enjoyed by the Assignor had this assignment and sale not been made;

AUTHORIZE AND REQUEST the issuing authority in the United States and in any other country in the world to issue patent(s) granted on any and all applications, inventions, improvements, know-how, and other subject matter referenced in (1) and (2) above to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned; and

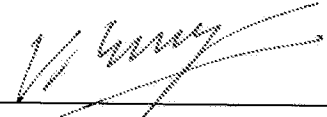
COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute any and all papers and documents (including without limitation oaths, declarations, assignments, and powers of attorney) and perform any and all acts reasonably necessary in connection with the filing, prosecution, and issuance of each of the patent applications and patents referenced herein; (2) communicate to the Assignee all facts known to the undersigned relating to applications, patents, inventions, improvements, know-how, and other subject matter referenced herein; and (3) generally do everything possible that the Assignee shall reasonably consider desirable to vest title in Assignee in and to each of the applications, patents, inventions, improvements, know-how, and other subject matter referenced herein and for securing, maintaining, and enforcing proper patent protections for inventions, improvements, know-how, and other subject matter referenced herein.

ASSIGNOR(S) HEREBY AUTHORIZE AND REQUEST Assignee and/or Assignee's agents associated with customer number 110711 to insert in (1)(a) above any filing date and application number of application(s) when known.

TO BE BINDING on the heirs, assigns, representatives, and successors of the undersigned and extend to the successors, assigns, and nominees of the Assignee.

SEVERABILITY. If a provision of this Assignment is or becomes illegal, invalid, or unenforceable in any jurisdiction, that shall not affect the validity or enforceability in that jurisdiction of any other provision of this Assignment, or the validity or enforceability in other jurisdictions of that or any other provision of this Assignment.

Date: 04.17.15

Signature: 
Onur Sakarya

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged, I/we:

1. Styrmir Sigurjonsson, a citizen of Iceland, having a mailing address of 1945 Serge Ave., San Jose, CA 95130, and a resident of U.S.A. .

do hereby SELL, ASSIGN, AND TRANSFER to Natera, Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at 201 Industrial Road, Suite 410, San Carlos, CA 94070, the entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America and all other countries throughout the world in and to

(1) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in

(a) United States Patent Application No. 61/982,245, filed on 2014-04-21 entitled METHODS FOR DETECTING DELETIONS AND DUPLICATIONS OF CHROMOSOME SEGMENTS;

United States Patent Application No. 61/987,407, filed on 2014-05-01 entitled METHODS FOR DETECTING DELETIONS AND DUPLICATIONS OF CHROMOSOME SEGMENTS;

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United States Patent Application No. 62/147,377, filed on 2015-04-14 entitled METHODS FOR DETECTING DELETIONS AND DUPLICATIONS OF CHROMOSOME SEGMENTS;

United States Patent Application No. 62/148,173, filed on 2015-04-15
entitled METHODS FOR DETECTING DELETIONS AND
DUPLICATIONS OF CHROMOSOME SEGMENTS;

United States Patent Application No. 14/692,703, filed on
2015-04-21 entitled METHODS FOR DETECTING DELETIONS
AND DUPLICATIONS OF CHROMOSOME SEGMENTS;

- (b) any and all non-provisional, continuing, continuation, divisional, continuation-in-part, design, utility model, substitute, extension, renewal, reissue, reexamination, and any and all other applications for patent which have been or shall be filed in the United States and any other country in the world that claim priority to or through any of the foregoing applications; and
- (c) any and all original, reissued and reexamined patents which have been or shall be issued in the United States and any other country in the world on or resulting from any of the applications referenced in (a) or (b), to the full extent of the term(s) for which such patents issue;
- (2) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in any of the foregoing applications and patents, and in any and all forms of intellectual and industrial property protection derivable from such, and that are derivable from any continuing applications, reissues, extensions, renewals and reexaminations of such applications and patents, including, without limitation, patents, applications, utility models, inventor's certificates, and designs;
- (3) the right to file patent applications under the provisions of any convention or treaty and claim priority based on any of the foregoing applications in the United States and any other country in the world; and
- (4) the copyright in any and all material described, disclosed, or contained in the foregoing applications and patents;
- all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and

interest would have been held and enjoyed by the Assignor had this assignment and sale not been made;

AUTHORIZE AND REQUEST the issuing authority in the United States and in any other country in the world to issue patent(s) granted on any and all applications, inventions, improvements, know-how, and other subject matter referenced in (1) and (2) above to the Assignee;

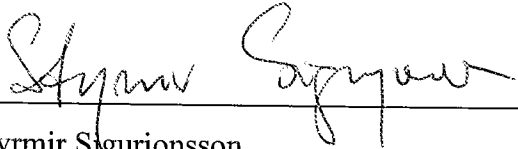
WARRANT AND COVENANT that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned; and

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute any and all papers and documents (including without limitation oaths, declarations, assignments, and powers of attorney) and perform any and all acts reasonably necessary in connection with the filing, prosecution, and issuance of each of the patent applications and patents referenced herein; (2) communicate to the Assignee all facts known to the undersigned relating to applications, patents, inventions, improvements, know-how, and other subject matter referenced herein; and (3) generally do everything possible that the Assignee shall reasonably consider desirable to vest title in Assignee in and to each of the applications, patents, inventions, improvements, know-how, and other subject matter referenced herein and for securing, maintaining, and enforcing proper patent protections for inventions, improvements, know-how, and other subject matter referenced herein.

ASSIGNOR(S) HEREBY AUTHORIZE AND REQUEST Assignee and/or Assignee's agents associated with customer number 110711 to insert in (1)(a) above any filing date and application number of application(s) when known.

TO BE BINDING on the heirs, assigns, representatives, and successors of the undersigned and extend to the successors, assigns, and nominees of the Assignee.

SEVERABILITY. If a provision of this Assignment is or becomes illegal, invalid, or unenforceable in any jurisdiction, that shall not affect the validity or enforceability in that jurisdiction of any other provision of this Assignment, or the validity or enforceability in other jurisdictions of that or any other provision of this Assignment.

Date: 4/17/2015 Signature: 
Styrmir Sigurjonsson

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged, I/we:

1. Bernhard Zimmermann, a citizen of Germany, having a mailing address of 1662 Lodi Avenue, San Mateo, CA 94401, and a resident of U.S.A. .

do hereby SELL, ASSIGN, AND TRANSFER to Natera, Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at 201 Industrial Road, Suite 410, San Carlos, CA 94070, the entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America and all other countries throughout the world in and to

(1) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in

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DUPLICATIONS OF CHROMOSOME SEGMENTS;

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- (b) any and all non-provisional, continuing, continuation, divisional, continuation-in-part, design, utility model, substitute, extension, renewal, reissue, reexamination, and any and all other applications for patent which have been or shall be filed in the United States and any other country in the world that claim priority to or through any of the foregoing applications; and
- (c) any and all original, reissued and reexamined patents which have been or shall be issued in the United States and any other country in the world on or resulting from any of the applications referenced in (a) or (b), to the full extent of the term(s) for which such patents issue;
- (2) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in any of the foregoing applications and patents, and in any and all forms of intellectual and industrial property protection derivable from such, and that are derivable from any continuing applications, reissues, extensions, renewals and reexaminations of such applications and patents, including, without limitation, patents, applications, utility models, inventor's certificates, and designs;
- (3) the right to file patent applications under the provisions of any convention or treaty and claim priority based on any of the foregoing applications in the United States and any other country in the world; and
- (4) the copyright in any and all material described, disclosed, or contained in the foregoing applications and patents;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and

interest would have been held and enjoyed by the Assignor had this assignment and sale not been made;

AUTHORIZE AND REQUEST the issuing authority in the United States and in any other country in the world to issue patent(s) granted on any and all applications, inventions, improvements, know-how, and other subject matter referenced in (1) and (2) above to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned; and

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute any and all papers and documents (including without limitation oaths, declarations, assignments, and powers of attorney) and perform any and all acts reasonably necessary in connection with the filing, prosecution, and issuance of each of the patent applications and patents referenced herein; (2) communicate to the Assignee all facts known to the undersigned relating to applications, patents, inventions, improvements, know-how, and other subject matter referenced herein; and (3) generally do everything possible that the Assignee shall reasonably consider desirable to vest title in Assignee in and to each of the applications, patents, inventions, improvements, know-how, and other subject matter referenced herein and for securing, maintaining, and enforcing proper patent protections for inventions, improvements, know-how, and other subject matter referenced herein.

ASSIGNOR(S) HEREBY AUTHORIZE AND REQUEST Assignee and/or Assignee's agents associated with customer number 110711 to insert in (1)(a) above any filing date and application number of application(s) when known.

TO BE BINDING on the heirs, assigns, representatives, and successors of the undersigned and extend to the successors, assigns, and nominees of the Assignee.

SEVERABILITY. If a provision of this Assignment is or becomes illegal, invalid, or unenforceable in any jurisdiction, that shall not affect the validity or enforceability in that jurisdiction of any other provision of this Assignment, or the validity or enforceability in other jurisdictions of that or any other provision of this Assignment.

Date: 4/20/2015

Signature: B. Zimmerman

Bernhard Zimmerman