

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM497142

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST

## CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
INVITAE CORPORATION		11/06/2018	Corporation: DELAWARE
GOOD START GENETICS, INC.		11/06/2018	Corporation: DELAWARE
COMBIMATRIX CORPORATION		11/06/2018	Corporation: DELAWARE
PATIENTCROSSROADS, INC.		11/06/2018	Corporation: CALIFORNIA

## RECEIVING PARTY DATA

<b>Name:</b>	INN SA LLC
<b>Street Address:</b>	c/o Oberland Capital Management LLC, 1700 Broadway, 37th Floor
<b>City:</b>	New York
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	10019
<b>Entity Type:</b>	Limited Liability Company: DELAWARE

## PROPERTY NUMBERS Total: 18

Property Type	Number	Word Mark
Registration Number:	5095657	INVITAE
Registration Number:	4689354	INVITAE
Registration Number:	5091499	
Registration Number:	4756096	
Registration Number:	4751732	
Registration Number:	5009329	GENEVU
Registration Number:	5009330	EMBRYVU
Registration Number:	4096815	GOODSTART GENETICS
Registration Number:	4727962	GOODSTART SELECT
Registration Number:	4818200	HELPING TO GIVE THE NEXT GENERATION A GO
Registration Number:	4923467	GOODSTART TESTSELECT
Registration Number:	5358683	COMBIFISH
Registration Number:	5358682	COMBIPGS
Registration Number:	5358681	COMBICARES

CH \$465.00 5095657

Property Type	Number	Word Mark
Registration Number:	5358680	COMBIMATRIX
Registration Number:	5282753	ALTAVOICE
Registration Number:	5282763	PATIENT INSIGHTS NETWORK
Registration Number:	5264007	ALTAVOICE PATIENT INSIGHTS NETWORK

**CORRESPONDENCE DATA**

**Fax Number:** 4156932222

*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.*

**Phone:** 4156932000

**Email:** crhem@cooley.com

**Correspondent Name:** Cooley LLP

**Address Line 1:** 101 California Street, 5th Floor

**Address Line 4:** San Francisco, CALIFORNIA 94111

<b>ATTORNEY DOCKET NUMBER:</b>	324998-111
<b>NAME OF SUBMITTER:</b>	C. Rhem
<b>SIGNATURE:</b>	/CR/
<b>DATE SIGNED:</b>	11/06/2018

**Total Attachments: 18**

source=Oberland - Invitae - Trademark Security Agreement (Compiled Executed Copy)#page1.tif  
source=Oberland - Invitae - Trademark Security Agreement (Compiled Executed Copy)#page2.tif  
source=Oberland - Invitae - Trademark Security Agreement (Compiled Executed Copy)#page3.tif  
source=Oberland - Invitae - Trademark Security Agreement (Compiled Executed Copy)#page4.tif  
source=Oberland - Invitae - Trademark Security Agreement (Compiled Executed Copy)#page5.tif  
source=Oberland - Invitae - Trademark Security Agreement (Compiled Executed Copy)#page6.tif  
source=Oberland - Invitae - Trademark Security Agreement (Compiled Executed Copy)#page7.tif  
source=Oberland - Invitae - Trademark Security Agreement (Compiled Executed Copy)#page8.tif  
source=Oberland - Invitae - Trademark Security Agreement (Compiled Executed Copy)#page9.tif  
source=Oberland - Invitae - Trademark Security Agreement (Compiled Executed Copy)#page10.tif  
source=Oberland - Invitae - Trademark Security Agreement (Compiled Executed Copy)#page11.tif  
source=Oberland - Invitae - Trademark Security Agreement (Compiled Executed Copy)#page12.tif  
source=Oberland - Invitae - Trademark Security Agreement (Compiled Executed Copy)#page13.tif  
source=Oberland - Invitae - Trademark Security Agreement (Compiled Executed Copy)#page14.tif  
source=Oberland - Invitae - Trademark Security Agreement (Compiled Executed Copy)#page15.tif  
source=Oberland - Invitae - Trademark Security Agreement (Compiled Executed Copy)#page16.tif  
source=Oberland - Invitae - Trademark Security Agreement (Compiled Executed Copy)#page17.tif  
source=Oberland - Invitae - Trademark Security Agreement (Compiled Executed Copy)#page18.tif

## TRADEMARK SECURITY AGREEMENT

This Trademark Security Agreement is entered into as of November 6, 2018 (this “Trademark Security Agreement”) by and among INN SA LLC, a Delaware limited liability company (“Agent”), and INVITAE CORPORATION, a Delaware corporation (“Issuer”), GOOD START GENETICS, INC., a Delaware corporation, COMBIMATRIX CORPORATION, a Delaware corporation, and PATIENTCROSSROADS, INC., a California corporation (collectively, together with Issuer, the “Grantors”).

### RECITALS

A. The Purchasers have agreed to purchase notes (the “Notes”) from Issuer in the amounts and manner set forth in that certain Note Purchase Agreement by and among the several purchasers from time to time parties thereto (collectively, referred to as the “Purchasers”), Issuer, Agent and the Grantors, dated as of November 6, 2018 (as the same may be amended, modified or supplemented from time to time, the “Note Purchase Agreement”); capitalized terms used herein are used as defined in the Note Purchase Agreement).

B. The Purchasers are willing to purchase Notes from Issuer, but only upon the condition, among others, that each Grantor shall grant to Agent a security interest in certain Trademarks to secure the obligations of the Grantors under the Note Purchase Agreement.

C. Pursuant to the terms of the Note Purchase Agreement, each Grantor has granted to Agent a security interest in all of such Grantor’s right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

NOW, THEREFORE, each Grantor agrees as follows:

### AGREEMENT

To secure its obligations under the Note Purchase Agreement and the other Note Documents, each Grantor grants and pledges to Agent a security interest in all of such Grantor’s right, title and interest in, to and under its Trademarks (including without limitation those Trademarks listed on Exhibit A hereto), and including without limitation all proceeds thereof, all service marks, trade names, corporate names, trade dress, logos, designs, fictitious business names and other source or business identifiers protected under the laws of the United States or any state or political subdivision thereof, all registrations and recordings thereof, all registration and recording applications filed in connection therewith in the United States Patent and Trademark Office, and all renewals thereof, as well as any unregistered trademarks and service marks used by the Grantor, and all goodwill connected with the use thereof and symbolized thereby (collectively, the “Trademark Collateral”). Notwithstanding the foregoing, the “Trademark Collateral” shall not include (a) any “intent to use” trademarks at all times prior to the first use thereof, whether by the actual use thereof in commerce, the recording of a statement of use with the United States Patent and Trademark Office or otherwise, and (b) nonassignable licenses or contracts, which by their terms require the consent of the licensor thereof or another party (but only to the extent such prohibition on transfer is enforceable under applicable law, including, without limitation, Sections 9-406, 9-407 and 9-408 of the UCC).

This security interest is granted in conjunction with the security interest granted to Agent under the Note Purchase Agreement. The rights and remedies of Agent with respect to the security interest granted hereby are in addition to those set forth in the Note Purchase Agreement and the other Note Documents, and those which are now or hereafter available to Agent as a matter of law or equity. Each Grantor does hereby acknowledge and affirm that the rights and remedies of Agent with respect to the security interests in the Trademark Collateral granted hereby are more fully set forth in the Note Purchase Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. Each right, power and remedy of Agent provided for herein or in the Note Purchase Agreement or any of the Note Documents, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or remedy provided for herein and the exercise by Agent of any one or more of the rights, powers or remedies provided for in this Trademark Security Agreement, the Note Purchase Agreement or any of the other Note Documents, or now or hereafter existing at law or in equity, shall not

preclude the simultaneous or later exercise by any person, including Agent, of any or all other rights, powers or remedies.

This Trademark Security Agreement shall be governed by, and construed and enforced in accordance with, the laws of the State of New York, excluding conflict of laws principles that would cause the application of laws of any other jurisdiction.

This Trademark Security Agreement may be executed in any number of counterparts and by different parties on separate counterparts, each of which, when executed and delivered, is an original, and all taken together, constitute one agreement.

[Remainder of page intentionally left blank]

IN WITNESS WHEREOF, the parties have caused this Trademark Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

GRANTORS:

INVITAE CORPORATION

By: Shelly D. Guyer  
Name: Shelly Guyer  
Title: Chief Financial Officer

GOOD START GENETICS, INC.

By: Shelly D. Guyer  
Name: Shelly Guyer  
Title: Chief Financial Officer

COMBIMATRIX CORPORATION

By: Shelly D. Guyer  
Name: Shelly Guyer  
Title: Chief Financial Officer

PATIENTCROSSROADS, INC.

By: \_\_\_\_\_  
Name: Sean George  
Title: President and Chief Executive Officer

[Signature Page to the Trademark Security Agreement]

**TRADEMARK**  
**REEL: 006476 FRAME: 0756**

IN WITNESS WHEREOF, the parties have caused this Trademark Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

GRANTORS:

INVITAE CORPORATION

By: \_\_\_\_\_

Name: Shelly Guyer

Title: Chief Financial Officer

GOOD START GENETICS, INC.

By: \_\_\_\_\_

Name: Shelly Guyer

Title: Chief Financial Officer

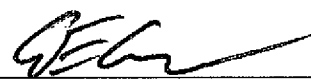
COMBIMATRIX CORPORATION

By: \_\_\_\_\_

Name: Shelly Guyer

Title: Chief Financial Officer

PATIENTCROSSROADS, INC.

By:  \_\_\_\_\_

Name: Sean George

Title: President and Chief Executive Officer

[Signature Page to the Trademark Security Agreement]

AGENT:

INN SA LLC

By:   
Name: David Dubinsky  
Title: Authorized Signatory

[Signature Page to Trademark Security Agreement]

**TRADEMARK**  
**REEL: 006476 FRAME: 0758**

EXHIBIT A

Trademarks

I. Invitae Corporation








Trademark	Country	Application No./ Filing Date	Registration No./ Registration Date	Class
INVITAE	United States	85746791 October 5, 2012	5095657 December 6, 2016	9
INVITAE	United States	85983061 October 5, 2012	4689354 February 17, 2015	42, 44
INVITAE	Argentina	3236279 April 4, 2013	2673185 August 25, 2014	42
INVITAE	Argentina	3318210 March 31, 2014	2718649 April 16, 2015	44
INVITAE	Australia	1549344 April 2, 2013	1549344 October 5, 2012	9, 42, 44
INVITAE	Bahrain	97224 April 4, 2013	97224 April 4, 2013	42
INVITAE	Bahrain	103032 April 9, 2014	103032 December 28, 2016	44
INVITAE	Brazil	840470657 April 2, 2013	Pending	42
INVITAE	Canada	1621360 April 5, 2013	TMA924073 December 21, 2015	9, 42, 44
INVITAE	Chile	1052461 April 3, 2013	1140752 November 10, 2014	42
INVITAE	Chile	1101256 April 2, 2014	1141383 November 17, 2014	44



















Trademark	Country	Application No./ Filing Date	Registration No./ Registration Date	Class
INVITAE	China	12361793 April 2, 2013	12361793 September 14, 2014	44
INVITAE	China	12361794 April 2, 2013	12361794 November 14, 2015	42
INVITAE	China	12361795 April 2, 2013	12361795 December 14, 2016	9
INVITAE	Costa Rica	2013-2735 April 1, 2013	231837 December 3, 2013	9, 42
INVITAE	Costa Rica	2014-2935 April 2, 2014	239014 October 6, 2014	44
INVITAE	Egypt	300729 April 6, 2014	300729 May 12, 2015	44
INVITAE	European Union	011703899 April 2, 2013	011703899 August 23, 3014	9, 42, 44
INVITAE	Hong Kong	302566170 April 2, 2013	302566170 October 10, 2013	9, 42, 44
INVITAE	India	2507530 April 4, 2013	Pending	9, 42, 44
INVITAE	Israel	254583 April 2, 2013	254583 December 3, 2014	42
INVITAE	Israel	264074 March 30, 2014	264074 November 2, 2015	44
INVITAE	Japan	2013-24894 April 4, 2013	5649328 February 14, 2014	9, 42, 44
INVITAE	Kuwait	138885 April 3, 2013	138885 August 19, 2014	42










Trademark	Country	Application No./ Filing Date	Registration No./ Registration Date	Class
INVITAE	Kuwait	150208 April 2, 2014	126479 September 30, 2015	44
INVITAE	Lebanon	158666 June 2, 2014	158666 June 2, 2014	44
INVITAE	Malaysia	2013004679 March 29, 2013	2013004679 February 28, 2014	42
INVITAE	Malaysia	2014054840 April 2, 2014	2014054840 November 6, 2015	44
INVITAE	Mexico	1362521 April 5, 2013	1392891 April 5, 2013	42
INVITAE	Mexico	1472123 March 31, 2014	1475275 March 31, 2014	44
INVITAE	New Zealand	975041 April 2, 2013	975041 October 3, 2013	9, 42, 44
INVITAE	Oman	80010 April 1, 2013	80010 May 1, 2014	42
INVITAE	Oman	86932 March 31, 2014	86932 October 11, 2015	44
INVITAE	Panama	221989-01 April 5, 2013	221989-01 January 16, 2014	9, 42
INVITAE	Panama	231311-01 April 15, 2014	231311-01 November 14, 2014	44
INVITAE	Peru	528690 April 3, 2013	78749 October 4, 2013	42
INVITAE	Peru	570097 April 1, 2014	83291 August 13, 2014	44


Trademark	Country	Application No./ Filing Date	Registration No./ Registration Date	Class
INVITAE	Qatar	80641 April 1, 2013	80641 June 11, 2015	42
INVITAE	Qatar	88329 March 31, 2014	88329 January 7, 2016	42
INVITAE	Republic of Korea	45-2013-1823 April 2, 2013	45-0050086 July 4, 2014	9, 42, 44
INVITAE	Russian Federation	2013710664 April 1, 2013	517968 July 16, 2014	42
INVITAE	Russian Federation	2014709922 March 31, 2014	543737 May 26, 2015	44
INVITAE	Saudi Arabia	194949 April 3, 2013	143407045 March 25, 2014	42
INVITAE	Saudi Arabia	1435013149 May 7, 2014	1435013149 December 2, 2014	44
INVITAE	Singapore	T1305225D April 3, 2013	T1305225D April 3, 2013	9, 42, 44
INVITAE	South Africa	2013/08574 April 3, 2013	2013/08574 February 18, 2015	42
INVITAE	South Africa	2014/08300 March 31, 2014	Pending	44
INVITAE	Taiwan	102017147 April 1, 2013	1641806 May 1, 2014	9, 42, 44
INVITAE	Trinidad & Tobago	46672 April 3, 2013	46672 March 13, 2014	42
INVITAE	Trinidad & Tobago	48129 April 7, 2014	48129 November 13, 2015	42

Trademark	Country	Application No./ Filing Date	Registration No./ Registration Date	Class
INVITAE	United Arab Emirates	189534 April 3, 2013	189534 September 28, 2014	42
INVITAE	United Arab Emirates	209307 April 6, 2014	209307 August 10, 2016	44
 INVITAE	Brazil	907569960 April 14, 2014	Pending	44
	United States	86122164 November 18, 2013	5091499 November 29, 2016	9
	United States	86976262 November 18, 2013	4756096 June 16, 2015	42, 44
	Argentina	3322240 April 22, 2014	2723305 April 30, 2015	44
	Australia (Madrid Protocol)	1227911 April 18, 2014	1665245 April 18, 2014	9, 42, 44
	Bahrain (Madrid Protocol)	1227911 April 18, 2014	1227911 April 18, 2014	9, 42, 44
	Brazil	907700349 May 16, 2014	907700349 January 3, 2017	44

Trademark	Country	Application No./ Filing Date	Registration No./ Registration Date	Class
	Canada	1676020 May 7, 2014	TMA972035 May 30, 2017	9, 42, 44
	Chile	1104205 April 24, 2014	1173175 July 23, 2015	42, 44
	Costa Rica	2014-3408 April 22, 2014	239862 November 14, 2014	42, 44
	Egypt (Madrid Protocol)	1227911 April 18, 2014	Pending	9, 42, 44
	European Union (Madrid Protocol)	1227911 April 18, 2014	1227911 April 18, 2014	9, 42, 44
	Hong Kong	302970900 April 22, 2014	302970900 December 15, 2014	9, 42, 44
	India (Madrid Protocol)	1227911 April 18, 2014	1227911 April 18, 2014	9, 42, 44
	Israel (Madrid Protocol)	1227911 April 18, 2014	1227911 April 18, 2014	9, 42, 44

Trademark	Country	Application No./ Filing Date	Registration No./ Registration Date	Class
	Japan (Madrid Protocol)	1227911 April 18, 2014	1227911 April 18, 2014	9, 42, 44
	Kuwait	150503 April 27, 2014	126725 September 30, 2015	44
	Lebanon	158341 May 12, 2014	158341 August 11, 2014	42, 44
	Malaysia	2014055802 April 22, 2014	2014055802 November 4, 2015	44
	Mexico (Madrid Protocol)	1227911 April 18, 2014	1227911 April 18, 2014	9, 42, 44
	New Zealand (Madrid Protocol)	1227911 April 18, 2014	1011218 May 1, 2015	9, 42, 44
	Oman (Madrid Protocol)	1227911 April 18, 2014	1227911 April 18, 2014	9, 42, 44
	Panama	231446-01 April 23, 2014	231446-01 April 23, 2014	42, 44

Trademark	Country	Application No./ Filing Date	Registration No./ Registration Date	Class
	Peru	573397 April 28, 2014	85133 November 26, 2014	44
	Qatar	88717 April 21, 2014	88717 January 3, 2016	42
	Republic of Korea (Madrid Protocol)	1227911 April 18, 2014	1227911 April 18, 2014	9, 42, 44
	Russian Federation (Madrid Protocol)	1227911 April 18, 2014	1227911 April 18, 2014	9, 42, 44
	Saudi Arabia	1435013150 May 7, 2014	1435013150 April 16, 2015	44
	Singapore (Madrid Protocol)	1227911 April 18, 2014	1227911 April 18, 2014	9, 42, 44
	South Africa	2014/10525 April 24, 2014	2014/10525 July 15, 2016	44
	Taiwan	103022079 April 21, 2014	1708718 May 16, 2015	9, 42, 44
	Trinidad & Tobago	48221 May 2, 2014	48221 May 5, 2015	42

Trademark	Country	Application No./ Filing Date	Registration No./ Registration Date	Class
	United Arab Emirates	210378 April 22, 2014	210378 March 15, 2016	44
FHT	Australia	1724086 September 25, 2015	1724086 March 22, 2016	42, 44
FHT	Brazil	910057400 September 29, 2015	Pending	44
FHT	Chile	1172151 September 28, 2015	1172151 December 15, 2016	42
FHT	Chile	1172152 September 28, 2015	1230981 December 12, 2016	44
FHT	European Union	014588792 September 24, 2015	014588792 September 2, 2016	42, 44
FHT	Mexico	1664124 October 1, 2015	1615167 October 1, 2015	44
FHT	Mexico	1664126 October 1, 2015	1619719 October 1, 2015	42
LIFESEQ	Australia	1583235 September 30, 2013	1583235 April 1, 2013	9, 42, 44
LIFESEQ	European Union	012181749 September 30, 2013	012181749 February 24, 2014	9, 42, 44
LIFESEQ	Hong Kong	302752281 September 30, 2013	302752281 September 30, 2013	9, 42, 44
LIFESEQ	Israel	259190 September 9, 2013	259190 May 4, 2015	9, 42, 44
LIFESEQ	Japan	2013-76320 October 1, 2013	5689237 July 25, 2014	9, 42, 44



Trademark	Country	Application No./ Filing Date	Registration No./ Registration Date	Class
LIFESEQ	New Zealand	985340 September 30, 2013	985340 April 1, 2014	9, 42, 44

II. Good Start Genetics, Inc.

Mark	Country	Status	App. No.	Filing Date	Reg. No.	Reg. Date
GOOD START GENETICS	EM	Registered	9689522	27-Jan-2011	9689522	12-Jul-2011
GOOD START GENETICS	AU	Registered	1405764	27-Jan-2011	1405764	15-Jul-2011
Design (Two curved lines)	US	Registered	86/427150	17-Oct-2014	4751732	09-Jun-2015
GOOD START GENETICS	CN	Registered	9096430	27-Jan-2011	9096430	06-Feb-2012
GOOD START GENETICS	JP	Registered	2011-005125	27-Jan-2011	5448663	04-Nov-2011
Gene Vu	US	Registered	86/679254	30-Jun-2015	5009329	26-Jul-2016
Embry Vu	US	Registered	86/679266	30-Jun-2015	5009330	26-Jul-2016
GOODSTART GENETICS	US	Registered	85/093437	27-Jul-2010	4096815	07-Feb-2012
GOODSTART SELECT	US	Registered	85/599068	16-Apr-2012	4727962	28-Apr-2015
HELPING TO GIVE THE NEXT GENERATION A GOOD START	US	Registered	85/600801	18-Apr-2012	4818200	22-Sep-2015
GOODSTART TESTSELECT	US	Registered	86/304752	09-Jun-2014	4923467	22-Mar-2016
GOODSTART GENETICS	CA	Registered	1512721	26-Jan-2011	TMA892661	18-Dec-2014

III. CombiMatrix Corporation

Mark	Jurisdiction	Application No./ Date	Registration No./Date	Class/ Goods and Services
COMBIFISH (word)	U.S.	87/387,342 Filed March 27, 2017	5358683 December 19, 2017	Class 44: Molecular diagnostic testing services, namely, cytogenomic testing for medical and diagnostic purposes.
COMBIPGS (word)	U.S.	87/387,316 Filed March 27, 2017	5358682 December 19, 2017	Class 44: Molecular diagnostic testing services, namely, cytogenomic testing for medical and diagnostic purposes
COMBICARES (word)	U.S.	87/387,293 Filed March 27, 2017	5358681 December 19, 2017	Class 36: Providing information on financial assistance sources for patients requiring cytogenomic testing; providing financial information, namely, providing links to the websites of others featuring information about financial assistance sources for patients undergoing cytogenomic testing; Providing financial assistance for patients based upon income, financial hardship, and family needs; Coordination of payments, expenses, and reimbursements for patients undergoing cytogenomic testing.
CombiMatrix (word)	U.S.	87/387,282 Filed March 27, 2017	5358680 December 19, 2017	Class 42: Molecular diagnostic and cytogenomic testing services for scientific purposes; Consulting, research, development, engineering and testing services in the field of genetic sequencing for scientific and laboratory purposes.  Class 44: Molecular diagnostic testing, namely, cytogenomic testing for medical and diagnostic purposes; Consulting and testing services in the field of genetic sequencing for medical, diagnostic and treatment purposes.

IV. PatientCrossroads, Inc.

<b>Name</b>	<b>Registration #</b>	<b>Date</b>	<b>Status</b>
AltraVoice	5,282,753	9/5/2017	Registered
AltraVoice Patient Insights Network	5,282,763	9/5/2017	Registered
AltraVoice Mark	5,264,007	8/15/2017	Registered