TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM360287

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
Affymetrix, Inc.		10/28/2015	CORPORATION: DELAWARE

RECEIVING PARTY DATA

Name:	Bank of America, N.A., as Administrative Agent
Street Address:	901 Main Street
Internal Address:	TX1-492-15-06
City:	Dallas
State/Country:	TEXAS
Postal Code:	75202
Entity Type:	National Banking Association: UNITED STATES

PROPERTY NUMBERS Total: 48

Property Type	Number	Word Mark
Registration Number:	4715128	123COUNT EBEADS
Registration Number:	2007269	AFFYMETRIX
Registration Number:	1866612	AFFYMETRIX
Registration Number:	2204151	AFFYMETRIX
Registration Number:	3994281	AFFYMETRIX
Registration Number:	3958163	AFFYMETRIX
Registration Number:	3500512	
Registration Number:	2369100	
Registration Number:	3966861	AXIOM
Registration Number:	4128169	AXIOM
Registration Number:	3607893	BESTPROTOCOLS
Registration Number:	4135406	COMMAND CONSOLE
Registration Number:	4411259	CYTOSCAN
Registration Number:	4610235	CYTOSCAN
Registration Number:	4050437	CYTOSCAN
Registration Number:	3642072	EBIOSCIENCE
Registration Number:	3630183	EFLUOR
Registration Number:	3675342	EUREKA GENOMICS

OP $1215.00 4715128

Property Type	Number	Word Mark
Registration Number:	2588652	EXOSAP-IT
Registration Number:	4664602	EZKINE
Registration Number:	3927347	GENEATLAS
Registration Number:	2045143	GENECHIP
Registration Number:	2203029	GENECHIP
Registration Number:	3729516	GENETITAN
Registration Number:	2467029	
Registration Number:	3357327	HOTSTART-IT
Registration Number:	2857072	INSTANT ELISA
Registration Number:	4313432	MAGNITAQ
Registration Number:	3145542	NETAFFX
Registration Number:	4481418	ONCOSCAN
Registration Number:	4478672	ONCOSCAN
Registration Number:	4541456	ONCOSCAN
Registration Number:	4484301	ONECOMP EBEADS
Registration Number:	3483741	PANOMICS
Registration Number:	3320342	PREPEASE
Registration Number:	4799831	PRIMEFLOW
Registration Number:	4240506	PRIMEVIEW
Registration Number:	3299563	PROCARTA
Registration Number:	4780963	PROCARTAPLEX
Registration Number:	2375756	QUANTIGENE
Registration Number:	3637795	READY-SET-GO!
Registration Number:	3579220	THE NEW STANDARD OF EXCELLENCE
Registration Number:	4484300	ULTRACOMP EBEADS
Registration Number:	1638783	USB
Registration Number:	3971516	VERIQUEST
Registration Number:	4613419	VIEWRNA
Registration Number:	4799415	VIEWRNA
Registration Number:	3871237	XNA

CORRESPONDENCE DATA

Fax Number: 7044448847

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: 704-343-20000

Email: ksaltrick@mcguirewoods.com

Correspondent Name: McGuireWoods LLP

Address Line 1: 201 North Tryon Street

Address Line 2: Attention: Gerum Yilma, Esq.

Address Line 4:	Charlotte, NORTH CAROLINA 28202
ATTORNEY DOCKET NUMBER:	2068279-2018 / YILMA
NAME OF SUBMITTER:	Gerum Yilma, Esq.
SIGNATURE:	/s/ Gerum Yilma, Esq.
DATE SIGNED:	10/28/2015

Total Attachments: 16

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

THIS TRADEMARK SECURITY AGREEMENT, dated as of October 28, 2015, is made by each of the entities listed on the signature pages hereof (each a "Grantor" and, collectively, the "Grantors"), in favor of Bank of America, N.A., as agent (in such capacity, together with its successors and permitted assigns, the "Administrative Agent") for the Lenders and the L/C Issuer (as defined in the Credit Agreement referred to below) and the other Secured Parties.

W I T N E S S E T H:

WHEREAS, pursuant to that certain Credit Agreement, dated as of October 28, 2015 (as the same may be amended, restated, supplemented or otherwise modified from time to time, the "Credit Agreement"), among the Borrower, the other Loan Parties, the Lenders party thereto from time to time and Bank of America, N.A., as Administrative Agent for the Lenders, the Lenders and the L/C Issuer have severally agreed to make extensions of credit to the Borrower upon the terms and subject to the conditions set forth therein;

WHEREAS, each Grantor (other than the Borrower) has agreed, pursuant to that certain Security and Pledge Agreement of even date herewith, by Affymetrix, Inc. (the "Borrower"), the Affiliates of the Borrower from time to time party thereto as Grantors in favor of Administrative Agent (as the same may be amended, restated, supplemented or otherwise modified from time to time, the "Security and Pledge Agreement"), to guarantee the Obligations (as defined in the Credit Agreement) of the Borrower; and

WHEREAS, all of the Grantors are party to the Security and Pledge Agreement pursuant to which the Grantors are required to execute and deliver this Trademark Security Agreement;

NOW, THEREFORE, in consideration of the premises and to induce the Lenders, the L/C Issuer and Administrative Agent to enter into the Credit Agreement and to induce the Lenders and the L/C Issuer to make their respective extensions of credit to the Borrower thereunder, each Grantor hereby agrees with Administrative Agent as follows:

Section 1. Defined Terms. Capitalized terms used herein without definition are used as defined in the Security and Pledge Agreement.

Section 2. Grant of Security Interest in Trademark Collateral. Each Grantor, as collateral security for the prompt and complete payment and performance when due (whether at stated maturity, by acceleration or otherwise) of the Secured Obligations of such Grantor, hereby mortgages, pledges and hypothecates to Administrative Agent for the benefit of the Secured Parties, and grants to Administrative Agent for the benefit of the Secured Parties a Lien on and security interest in, all of its right, title and interest in, to and under the following Collateral of such Grantor (the "Trademark Collateral"):

(a) all of its Trademarks and providing for the grant by or to such Grantor of any right under any Trademark, including, without limitation, those referred to on Schedule 1 hereto;

(b) all renewals and extensions of the foregoing;

(c) all goodwill of the business connected with the use of, and symbolized by, each such Trademark; and

(d) all income, royalties, proceeds and liabilities at any time due or payable or asserted under and with respect to any of the foregoing, including, without limitation, all rights to sue and recover at law or in equity for any past, present and future infringement, misappropriation, dilution, violation or other impairment thereof.

Section 3. Security and Pledge Agreement. The security interest granted pursuant to this Trademark Security Agreement is granted in conjunction with the security interest granted to Administrative Agent pursuant to the Security and Pledge Agreement and each Grantor hereby acknowledges and agrees that the rights and remedies of Administrative Agent with respect to the security interest in the Trademark Collateral made and granted hereby are more fully set forth in the Security and Pledge Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. Nothing herein shall be deemed to grant a Lien or security interest in or to any Excluded Property.

Section 4. Counterparts. This Trademark Security Agreement may be executed in any number of counterparts and by different parties in separate counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement. Signature pages may be detached from multiple separate counterparts and attached to a single counterpart.

Section 5. Governing Law. This Trademark Security Agreement and the rights and obligations of the parties hereto shall be governed by, and construed and interpreted in accordance with, the law of the State of New York.

[*Signature Pages Follow*]

TRADEMARK
REEL: 005654 FRAME: 0908

IN WITNESS WHEREOF, each Grantor has caused this Trademark Security Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

Very truly yours,

AFFYMETRIX, INC.
as Grantor

By: _____
Name: Gavin Wood
Title: Executive Vice President and Chief Financial Officer

[Signature Page to Trademark Security Agreement]

ACCEPTED AND AGREED
as of the date first above
written:

BANK OF AMERICA, N.A.,
as Administrative Agent

By: _____
Name: Tiffany Shin
Title: Assistant Vice President

SCHEDULE I
TO
TRADEMARK SECURITY AGREEMENT

Trademark Registrations

1. REGISTERED TRADEMARKS

See attached.

Country	Mark	Class	App. No.	App. Date	Reg. No.	Reg. Date
Australia	AFFYMETRIX	01, 05, 09, 16, 42	886078	8/16/2001	886078	8/16/2001
Australia (Madrid)	BENDER MEDSYSTEMS & Winged Person Design	01, 05, 42, 44	1014987	6/16/2009	1014987	6/16/2009
Australia	CYTOSCAN	1	1696536	10/20/2014	1696536	8/19/2015
Australia (Madrid)	CYTOSCAN	9	1237330	10/20/2014	1678812	5/27/2015
Australia	GENECHIP	01, 05, 09, 16, 42	806641	9/9/1999	806641	9/9/1999
Australia	Helix Design	9	815003	11/24/1999	815003	6/2/2000
Benelux (Madrid)	BENDER MEDSYSTEMS & Winged Person Design	01, 05, 42, 44	1014987	6/16/2009	1014987	6/16/2009
Brazil	AFFYMETRIX	1	824108868	10/16/2001	824108868	2/12/2008
Brazil	AFFYMETRIX	5	824108833	10/16/2001	824108833	2/12/2008
Brazil	AFFYMETRIX	9	824108850	10/16/2001	824108850	2/12/2008
Brazil	AFFYMETRIX	16	824108841	10/16/2001	824108841	2/12/2008
Brazil	AFFYMETRIX	42	824108876	10/16/2001	824108876	2/12/2008
Brazil	GENECHIP	1	822145413	10/28/1999	822145413	8/17/2004
Brazil	GENECHIP	5	822145383	10/28/1999	822145383	10/4/2005
Brazil	GENECHIP	9	822145391	10/28/1999	822145391	10/4/2005
Brazil	GENECHIP	42	822145405	10/28/1999	822145405	8/17/2004
Brazil	GENECHIP	44	822145421	10/28/1999	822145421	8/17/2004
Canada	AFFYMETRIX	N/A	1,114,506	8/30/2001	TMA590,022	9/17/2003
Canada	GENECHIP	N/A	1,034,013	10/28/1999	TMA553,677	11/13/2001
Canada	Interlocking Ring Design	N/A	657455	5/11/1990	TMA398449	5/22/1992
Canada	USB	N/A	657532	5/11/1990	TMA403809	10/23/1992
China	AFFYMETRIX	1	3037675	12/12/2001	3037675	6/14/2003
China	AFFYMETRIX	5	3037674	12/12/2001	3037674	2/28/2003
China	AFFYMETRIX	9	3037673	12/12/2001	3037673	2/28/2003
China	AFFYMETRIX	16	3037672	12/12/2001	3037672	4/7/2004

China	AFFYMETRIX	42	3037671	12/12/2001	3037671	3/7/2003
China	AFFYMETRIX (in Chinese)	1	4896101	9/14/2005	4896101	1/14/2009
China	AFFYMETRIX (in Chinese)	5	4896102	9/14/2005	4896102	1/14/2009
China	AFFYMETRIX (in Chinese)	9	4896103	9/14/2005	4896103	9/7/2008
China	AFFYMETRIX (in Chinese)	42	4896104	9/14/2005	4896104	5/7/2009
China	AFFYMETRIX (in English and Chinese)	1	4896105	9/14/2005	4896105	1/14/2009
China	AFFYMETRIX (in English and Chinese)	5	4895429	9/14/2005	4895429	1/14/2009
China	AFFYMETRIX (in English and Chinese)	9	4895428	9/14/2005	4895428	9/7/2008
China	AFFYMETRIX (in English and Chinese)	42	4896095	9/14/2005	4896095	5/7/2009
China (Madrid)	BENDER MEDSYSTEMS & Winged Person Design	01, 05, 42, 44	1014987	6/16/2009	1014987	6/16/2009
China	GENEATLAS	9	8410301	6/22/2010	8410301	7/7/2011
China	GENECHIP	9	3026159	11/28/2001	3026159	8/21/2005
China	GENECHIP	10	3026160	11/28/2001	3026160	9/21/2004
China	GENECHIP	16	3026161	11/28/2001	3026161	7/14/2003
China	GENETITAN	9	8410302	6/22/2010	8410302	7/7/2011
China	PANOMICS	1	G941377	9/28/2007	G941377	9/28/2007
Czech Republic (Madrid)	BENDER MEDSYSTEMS & Winged Person Design	01, 05, 42, 44	1014987	6/16/2009	1014987	6/16/2009
European Union	AFFYMETRIX	01, 05, 09, 42	151589	4/1/1996	151589	11/10/1998
European Union	AXIOM	01, 09, 40, 42	13437116	11/6/2014	13437116	3/31/2015
European Union	EXOSAP-IT	1	13142948	8/4/2014	13142948	12/16/2014
European Union	EXOSAP-IT	5	2696094	5/14/2002	2696094	12/5/2003
European Union	GENEATLAS	01, 05, 09	9189978	6/21/2010	9189978	12/6/2010
European Union	GENECHIP	01, 05, 09, 42	5678	4/1/1996	5678	11/28/2001
European Union	Helix Design	01, 05, 09, 42	1229830	7/5/1999	1229830	11/6/2000
European Union	ONCOSCAN	01, 09, 42	12095501	8/28/2013	12095501	1/22/2014

European Union	PANOMICS	1	941377	9/28/2007	941377	9/28/2007
European Union	PROCARTA	1	4756268	12/1/2005	4756268	10/16/2006
European Union	QUANTIGENE	1	6425557	11/12/2007	6425557	10/30/2008
France (Madrid)	BENDER MEDSYSTEMS & Winged Person Design	01, 05, 42, 44	1014987	6/16/2009	1014987	6/16/2009
Germany (Madrid)	BENDER MEDSYSTEMS & Winged Person Design	01, 05, 42, 44	1014987	6/16/2009	1014987	6/16/2009
Germany	Interlocking Ring Design	1	U7818	4/30/1990	DE1172469	2/22/1991
Hong Kong	AFFYMETRIX	01, 05, 09, 16, 42	200118944	11/21/2001	200400497AA	11/21/2001
Hong Kong	AFFYMETRIX (in Chinese)	01, 05, 09, 42	300480465	8/19/2005	300480465	1/6/2006
Hong Kong	AFFYMETRIX (in English and Chinese)	01, 05, 09, 42	300480447	8/19/2005	300480447	1/6/2006
Hong Kong	GENECHIP	01, 05, 09, 10, 16, 42	200118627	11/15/2001	2002B14217AA	11/15/2001
Iceland	AFFYMETRIX	01, 05, 09, 16, 42	2794	8/31/2001	46/2002	1/3/2002
Iceland	GENECHIP	01, 05, 09, 42	1981/1999	7/19/1999	24/2000	1/4/2000
International Protocol (Madrid)	BENDER MEDSYSTEMS & Winged Person Design	01, 05, 42, 44	1014987	6/16/2009	1014987	6/16/2009
International Protocol (Madrid)	CYTOSCAN	1	1248622	10/20/2014	1248622	10/20/2014
International Protocol (Madrid)	CYTOSCAN	5	1249905	10/20/2014	1249905	10/20/2014
International Protocol (Madrid)	CYTOSCAN	9	1237330	10/20/2014	1237330	10/20/2014
International Protocol (Madrid)	eBioscience	1	1230741	8/13/2014	1230741	8/13/2014
International Protocol (Madrid)	INSTANT ELISA	05, 35, 42	784,708	6/17/2002	784,708	6/17/2002
International Protocol (Madrid)	PANOMICS	1	941377	9/28/2007	941377	9/28/2007

Israel	GENECHIP	1	128942	7/4/1999	128942	1/3/2001
Israel	GENECHIP	5	128943	7/4/1999	128943	1/3/2001
Israel	GENECHIP	9	128944	7/4/1999	128944	1/3/2001
Israel	GENECHIP	42	128945	7/4/1999	128945	1/3/2001
Italy (Madrid)	BENDER MEDSYSTEMS & Winged Person Design	01, 05, 42, 44	1014987	6/16/2009	1014987	6/16/2009
Japan	AFFYMETRIX	01, 05, 09, 42	2004-007517	1/29/2004	4818124	11/12/2004
Japan	AXIOM	01, 09, 40, 42	2014-093862	11/7/2014	5760882	4/24/2015
Japan (Madrid)	BENDER MEDSYSTEMS & Winged Person Design	01, 05, 42, 44	1014987	6/16/2009	1014987	6/16/2009
Japan	GENECHIP	01, 06	2004-7516	1/29/2004	5003594	11/17/2006
Japan	GENECHIP	9	33945/97	3/31/1997	4195932	10/9/1998
Japan	GENECHIP	42	33946/97	3/31/1997	4202204	10/23/1998
Japan	Helix Design	01, 05, 09, 42	11-80822	9/6/1999	4995679	10/13/2006
Japan (Madrid)	INSTANT ELISA	05, 42	784,708	6/17/2002	784,708	6/17/2002
Japan	Interlocking Ring Design	01, 05	1990-053939	5/15/1990	2492532	12/25/1992
Japan	PANOMICS	1	941377	9/28/2007	941377	9/28/2007
Japan	PROCARTA	1	2005-113450	12/2/2005	4995247	10/13/2006
Korea, Republic of	AFFYMETRIX	01, 05, 09, 16, 42	2001-3084	8/28/2001	45-0008814	12/4/2003
Malaysia	AFFYMETRIX	1	2001-10918	8/21/2001	1010918	8/13/2004
Malaysia	AFFYMETRIX	5	T01/10919	8/21/2001	1010919	9/8/2008
Malaysia	AFFYMETRIX	9	2001-10920	8/21/2001	1010920	7/15/2004
Malaysia	AFFYMETRIX	16	2001-10921	8/21/2001	1010921	7/15/2004
Malaysia	AFFYMETRIX	42	T01/10922	8/21/2001	1010922	6/3/2008
Malaysia	GENECHIP	1	T01/010505	8/13/2001	1010505	7/1/2004
Malaysia	GENECHIP	5	T01/10508	8/13/2001	1010508	7/9/2007
Malaysia	GENECHIP	9	T01/10509	8/13/2001	1010509	8/13/2001
Malaysia	GENECHIP	16	T01/10506	8/13/2001	1010506	5/17/2004
Malaysia	GENECHIP	42	T01/10507	8/13/2001	1010507	7/24/2004
New Zealand	AFFYMETRIX	1	643905	8/21/2001	643905	2/21/2002

New Zealand	AFFYMETRIX	5	643906	8/21/2001	643906	2/21/2002
New Zealand	AFFYMETRIX	9	643907	8/21/2001	643907	2/21/2002
New Zealand	AFFYMETRIX	16	643908	8/21/2001	643908	2/21/2002
New Zealand	AFFYMETRIX	42	643909	8/21/2001	643909	2/21/2002
New Zealand	GENECHIP	1	642936	8/6/2001	642936	2/9/2004
New Zealand	GENECHIP	5	642937	8/6/2001	642937	2/9/2004
New Zealand	GENECHIP	9	642938	8/6/2001	642938	2/9/2004
New Zealand	GENECHIP	16	642939	8/6/2001	642939	2/9/2004
New Zealand	GENECHIP	42	642940	8/6/2001	642940	2/9/2004
Poland (Madrid)	BENDER MEDSYSTEMS & Winged Person Design	01, 05, 42, 44	1014987	6/16/2009	1014987	6/16/2009
Russian Federation (Madrid)	BENDER MEDSYSTEMS & Winged Person Design	01, 05, 42, 44	1014987	6/16/2009	1014987	6/16/2009
Singapore	AFFYMETRIX	1	T0113186C	8/22/2001	T0113186C	8/22/2001
Singapore	AFFYMETRIX	5	T0113187A	8/22/2001	T0113187A	8/22/2001
Singapore	AFFYMETRIX	9	T0113188Z	8/22/2001	T0113188Z	8/22/2001
Singapore	AFFYMETRIX	16	T0113189H	8/22/2001	T0113189H	8/22/2001
Singapore	AFFYMETRIX	42	T0113190A	8/22/2001	T0113190A	8/22/2001
Singapore	GENECHIP	1	T0112655Z	8/13/2001	T0112655Z	8/13/2001
Singapore	GENECHIP	5	T0112656H	8/13/2001	T0112656H	8/13/2001
Singapore	GENECHIP	9	T0112657F	8/13/2001	T0112657F	8/13/2001
Singapore	GENECHIP	16	T0112658D	8/13/2001	T0112658D	8/13/2001
Singapore	GENECHIP	42	T0112659B	8/13/2001	T0112659B	8/13/2001
Spain (Madrid)	BENDER MEDSYSTEMS & Winged Person Design	01, 05, 42, 44	1014987	6/16/2009	1014987	6/16/2009
Switzerland	AFFYMETRIX	01, 05, 09, 16, 42	8213/2001	8/21/2001	P494174	8/21/2001
Switzerland (Madrid)	BENDER MEDSYSTEMS & Winged Person Design	01, 05, 42, 44	1014987	6/16/2009	1014987	6/16/2009
Switzerland	GENECHIP	01, 05, 09, 42	00622/1996	1/31/1996	P486 157	1/31/1996
Taiwan	AFFYMETRIX	1	90050820	12/14/2001	1021503	11/16/2002

Taiwan	AFFYMETRIX	5	90050819	12/14/2001	1020214	11/1/2002
Taiwan	AFFYMETRIX	9	90050818	12/14/2001	1040234	4/16/2003
Taiwan	AFFYMETRIX	16	90050817	12/14/2001	1061366	10/16/2003
Taiwan	AFFYMETRIX	42	90050816	12/14/2001	186579	9/1/2003
Taiwan	AFFYMETRIX (in Chinese)	01, 05, 09, 42	94040383	8/22/2005	1227598	9/1/2006
Taiwan	AFFYMETRIX (in English and Chinese)	01, 05, 09, 42	94040385	8/22/2005	1227599	9/1/2006
Taiwan	GENECHIP	1	90048673	11/29/2001	1032416	2/16/2003
Taiwan	GENECHIP	5	90048674	11/29/2001	1048435	7/1/2003
Taiwan	GENECHIP	9	90048675	11/29/2001	1036727	3/16/2003
Taiwan	GENECHIP	10	90048676	11/29/2001	1040549	4/16/2003
Taiwan	GENECHIP	16	90048677	11/29/2001	1050795	7/16/2003
Taiwan	GENECHIP	42	90048680	11/29/2001	186574	9/1/2003
Thailand	EG Design	42	712136	10/21/2008	SM45618	1/29/2010
United Kingdom (Madrid)	BENDER MEDSYSTEMS & Winged Person Design	01, 05, 42, 44	1014987	6/16/2009	1014987	6/16/2009
United Kingdom	Interlocking Ring Design	1	1422786	4/27/1990	1422786	9/6/1991
United Kingdom	USB	1	1425854	5/19/1990	1425854	8/14/1992
United States	123COUNT EBEADS	1	86/307,708	6/12/2014	4,715,128	4/7/2015
United States	AFFYMETRIX	01, 09	74/802,764	12/12/1991	2,007,269	10/8/1996
United States	AFFYMETRIX	42	74/801,511	12/12/1991	1,866,612	12/6/1994
United States	AFFYMETRIX	01, 05, 09, 42	74/568,183	8/31/1994	2,204,151	11/17/1998
United States	AFFYMETRIX & Helix Design	01, 05, 09, 42, 42	77/485,822	5/29/2008	3,994,281	7/12/2011
United States	AFFYMETRIX & Helix Design on Platinum Plate	01, 05, 09, 42, 42	77/485,833	5/29/2008	3,958,163	5/10/2011
United States	Array Configuration	9	76/661,385	6/9/2006	3,500,512	9/16/2008
United States	Array Design	42	75/388,534	11/12/1997	2,369,100	7/18/2000
United States	AXIOM	9	77/761,064	6/16/2009	3,966,861	5/24/2011
United States	AXIOM	01, 09, 40, 42	85/346,511	6/15/2011	4,128,169	4/17/2012

United States (Madrid)	BENDER MEDSYSTEMS & Winged Person Design	01, 05, 42, 44	79/073,512	6/16/2009	3,933,749	3/22/2011
United States	BestProtocols	42	77/469,783	5/8/2008	3,607,893	4/14/2009
United States	COMMAND CONSOLE	9	85/414,534	9/2/2011	4,135,406	5/1/2012
United States	CYTOSCAN	1	85/979,893	6/15/2012	4,411,259	10/1/2013
United States	CYTOSCAN	5	85/653,118	6/15/2012	4,610,235	9/23/2014
United States	CYTOSCAN	9	85/107,371	8/13/2010	4,050,437	11/1/2011
United States	eBioscience	1	77/469,102	5/8/2008	3,642,072	6/23/2009
United States	eFluor	1	77/543,550	8/11/2008	3,630,183	6/2/2009
United States	EUREKA GENOMICS	42	77/534,697	7/30/2008	3,675,342	9/1/2009
United States	EXOSAP-IT	1	78/091,188	11/1/2001	2,588,652	7/2/2002
United States	EZKINE	1	86/073,242	9/24/2013	4,664,602	12/30/2014
United States	GeneAtlas	9	77/749,668	6/2/2009	3,927,347	3/8/2011
United States	GENECHIP	01, 10	75/975,050	10/28/1993	2,045,143	3/11/1997
United States	GENECHIP	05, 42	74/453,478	10/28/1993	2,203,029	11/10/1998
United States	GENETITAN	9	77/562,086	9/4/2008	3,729,516	12/22/2009
United States	Helix Design	01, 05, 09, 42	75/714,593	5/27/1999	2,467,029	7/10/2001
United States	HOTSTART-IT	1	78/689,585	8/10/2005	3,357,327	12/18/2007
United States	INSTANT ELISA	5	78/142,742	7/10/2002	2,857,072	6/22/2004
United States	MAGNITAQ	1	85/085,589	7/15/2010	4,313,432	4/2/2013
United States	NETAFFX	42	78/746,089	11/3/2005	3,145,542	9/19/2006
United States	ONCOSCAN	9	85/107,410	8/13/2010	4,481,418	2/11/2014
United States	ONCOSCAN	9	85/633,849	5/24/2012	4,478,672	2/4/2014
United States	ONCOSCAN	42	85/633,863	5/24/2012	4,541,456	6/3/2014
United States	ONECOMP EBEADS	1	85/961,534	6/17/2013	4,484,301	2/18/2014
United States	PANOMICS	1	77/289,472	9/26/2007	3,483,741	8/12/2008
United States	PREPEASE	1	78/688,305	8/9/2005	3,320,342	10/23/2007
United States	PRIMEFLOW	1	86/559,338	3/10/2015	4,799,831	8/25/2015
United States	PRIMEVIEW	9	85/430,382	9/23/2011	4,240,506	11/13/2012
United States	PROCARTA	1	78/754,684	11/15/2005	3,299,563	9/25/2007
United States	PROCARTAPLEX	1	86/456,094	11/17/2014	4,780,963	7/28/2015

United States	QUANTIGENE	1	75/418,943	1/16/1998	2,375,756	8/8/2000
United States	Ready-SET-Go!	1	77/469,708	5/8/2008	3,637,795	6/16/2009
United States	The New Standard of Excellence	42	77/469,166	5/8/2008	3,579,220	2/24/2009
United States	ULTRACOMP EBEADS	1	85/961,516	6/17/2013	4,484,300	2/18/2014
United States	USB	01, 05	74/005,493	11/27/1989	1,638,783	3/26/1991
United States	VERIQUEST	1	77/947,047	3/1/2010	3,971,516	5/31/2011
United States	VIEWRNA	1	86/206,349	2/27/2014	4,613,419	9/30/2014
United States	VIEWRNA	1	86/507,897	1/20/2015	4,799,415	8/25/2015
United States	XNA	42	77/770,279	6/29/2009	3,871,237	11/2/2010

SCHEDULE I
TO
TRADEMARK SECURITY AGREEMENT

Trademark Registrations

2. TRADEMARK APPLICATIONS

See attached.

Country	Mark	Class	App. No.	App. Date	Reg. No.	Reg. Date
Australia (Madrid)	CYTOSCAN	5	1249905	10/20/2014		
China	AXIOM	1	15676663	11/13/2014		
China	AXIOM	9	15676662	11/13/2014		
China	AXIOM	35	15676661	11/13/2014		
China	AXIOM	40	15676660	11/13/2014		
China	AXIOM	42	15676659	11/13/2014		
China (Madrid)	CYTOSCAN	1	1248622	10/20/2014		
China (Madrid)	CYTOSCAN	5	1249905	10/20/2014		
China (Madrid)	CYTOSCAN	9	1237330	10/20/2014		
China (Madrid)	eBioscience	1	1230741	8/13/2014		
European Union (Madrid)	CYTOSCAN	1	1248622	10/20/2014		
European Union (Madrid)	CYTOSCAN	5	1249905	10/20/2014		
European Union (Madrid)	CYTOSCAN	9	1237330	10/20/2014		
European Union (Madrid)	eBioscience	1	1230741	8/13/2014		
European Union	GENETITAN	9	14182216	5/29/2015		
European Union	PROCARTAPLEX	1	14528228	9/3/2015		
Japan (Madrid)	CYTOSCAN	1	1248622	10/20/2014		
Japan (Madrid)	CYTOSCAN	5	1249905	10/20/2014		
Japan (Madrid)	CYTOSCAN	9	1237330	10/20/2014		

Japan (Madrid)	eBioscience	1	1230741	8/13/2014		
Japan	PROCARTAPLEX	1	2015-84652	9/2/2015		
Korea, Republic of	AXIOM	01, 09, 40, 42	45-2014-0008804	11/6/2014		
Korea, Republic of (Madrid)	CYTOSCAN	1	1248622	10/20/2014		
Korea, Republic of (Madrid)	CYTOSCAN	5	1249905	10/20/2014		
Korea, Republic of (Madrid)	CYTOSCAN	9	1237330	10/20/2014		
Russian Federation (Madrid)	CYTOSCAN	1	1248622	10/20/2014		
Russian Federation (Madrid)	CYTOSCAN	5	1249905	10/20/2014		
Russian Federation (Madrid)	CYTOSCAN	9	1237330	10/20/2014		
Singapore (Madrid)	CYTOSCAN	1	1248622	10/20/2014		
Singapore (Madrid)	CYTOSCAN	5	1249905	10/20/2014		
Singapore	CYTOSCAN	9	40201503937R	10/20/2014		
United States	AXIOM	1	86/487,737	12/22/2014		
United States	EUREKA	01, 05, 42	86/710,142	7/30/2015		
United States	EUREKA GENOTYPING	01, 05, 42	86/710,148	7/30/2015		
United States	Interlocking Ring Design	1	85/665,692	6/29/2012		
United States	MAGNISORT	01, 09	86/372,295	8/20/2014		
United States	VERISCRIPT	1	86/557,743	3/9/2015		
United States	VERSATAQ	1	86/625,096	5/11/2015		

RECORDED: 10/28/2015
TRADEMARK
REEL: 005654 FRAME: 0922