

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
VIROBAY, INC.	12/19/2015
CELERA CORPORATION	02/10/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	QUEST DIAGNOSTICS INVESTMENTS LLC
<b>Street Address:</b>	3 GIRALDA FARMS
<b>City:</b>	MADISON
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	07940
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	11662933
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)672-5399
<i>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.</i>	
<b>Phone:</b>	202-672-5300
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<b>Address Line 1:</b>	3000 K STREET, NW, SUITE 600
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<b>Address Line 4:</b>	WASHINGTON, D.C. 20007-5109
<b>ATTORNEY DOCKET NUMBER:</b>	034827-0763
<b>NAME OF SUBMITTER:</b>	KRISTEL SCHORR
<b>SIGNATURE:</b>	/Kristel Schorr/
<b>DATE SIGNED:</b>	07/25/2016
<b>Total Attachments: 10</b>	
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**ASSIGNMENT**

This ASSIGNMENT is made from ViroBay, Inc. a corporation of the state of California (hereinafter "Assignor"), to Quest Diagnostics Investments LLC, a Delaware limited liability company, having a principal place of business at 3 Giralda Farms, Madison, New Jersey 07940 (hereinafter "Assignee").

WHEREAS, Assignor claims and warrants that it owns all rights, title and interest of every kind, nature or description in and to the patents and patent applications listed in Schedule A hereto;

WHEREAS, Celera Corporation, a Delaware Corporation ("Celera"), is an affiliate of Assignee; and

WHEREAS, Assignor and Assignee wish for Assignee to acquire all rights in the patents and patent applications listed in Schedule A hereto, for the convenience of the parties.

NOW THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, Assignor:

1. Has assigned, transferred, conveyed, and sold, and hereby assigns, transfers, conveys, and sells to Assignee all rights, titles and interests in and to:
  - (a) the Inventions throughout the world,
  - (b) all of the Patents, the right to claim priority to the Patents, and all U.S. and non-U.S. patents, registrations, validations, utility models, industrial designs, design patents, counterparts, continuations, continuations-in-part, divisions, reissues, renewals, substitutes, extensions, reexaminations, post-grant reviews, inter partes reviews and supplemental examinations of any of the Patents, all for the full term or terms for which the same may be granted (collectively, the "Patent Rights"); and
  - (c) all claims for damages by reason of past infringement of any of the Patent Rights (including provisional rights to reasonable royalties pursuant to 35 U.S.C. §154(d)) and the right to sue for and collect such damages and royalties for Assignee's own use; and
2. Authorizes and requests the U.S. Patent and Trademark Office or any other U.S. or non-U.S. agency to issue any and all of the Patent Rights to Assignee.
3. Agrees to sign, and procure signature of, all papers and documents, including without limitation, applications, declarations, oaths, assignments and petitions, and, at


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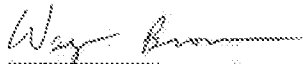
Assignee's expense, perform any other acts necessary in Assignee's reasonable opinion in connection with prosecution, maintenance or enforcement of any of the Patent Rights.

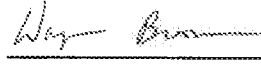
4. Agrees that the terms, covenants, and conditions of this Assignment shall inure to the benefit of Assignee, its successors, assigns and other legal representative, and shall be binding upon Assignor and its successors, legal representatives, and assigns.

Signed on the dates indicated beside our signatures.

ViroBay, Inc.  
Signature:  Date: December 19, 2015  
Robert Booth, Ph.D.  
Chief Executive Officer

Assignee and Celera hereby accept this Assignment.

Quest Diagnostics Investments LLC  
Signature:  Date: 2/10/2016  
Name: Wayne Benjamin Brown  
Title: Deputy General Counsel & Chief Intellectual Property Officer

Celera Corporation  
Signature:  Date: 2/10/2016  
Name: Wayne Benjamin Brown  
Title: Deputy General Counsel & Chief Intellectual Property Officer

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Schedule A

Title IP Family Number	Country	Status	Serial No Filing Date	Patent No. Issue Date
PROCESSES AND INTERMEDIATES PREPARING CYSTEINE PROTEASE INHIBITORS 090836-0739262 005600US	United States of America	Expired	60/610,806	
PROCESSES AND INTERMEDIATES PREPARING CYSTEINE PROTEASE INHIBITORS 090836-0739519 005610PC	United States of America	Expired	PCT/US05/33051	
PROCESSES AND INTERMEDIATES PREPARING CYSTEINE PROTEASE INHIBITORS 090836-0739501 005610AU	Australia	Closed In KTS records 2008	2005287046	
PROCESSES AND INTERMEDIATES PREPARING CYSTEINE PROTEASE INHIBITORS 090836-0739503 005610BY	Belarus	Closed In KTS records 2008	20070411	
PROCESSES AND INTERMEDIATES PREPARING CYSTEINE PROTEASE INHIBITORS 09836-0739504 005610CA	Canada	Closed In KTS records 2009	0580065	
PROCESSES AND INTERMEDIATES PREPARING CYSTEINE PROTEASE INHIBITORS 090836-0739505 005610CN	China	Closed In KTS records 2008	200580038996.4	
PROCESSES AND INTERMEDIATES PREPARING CYSTEINE PROTEASE INHIBITORS 090836-0739512 005610IL	Israel	Closed In KTS records 2009	181792	
PROCESSES AND INTERMEDIATES PREPARING CYSTEINE PROTEASE INHIBITORS 090836-0739513 005610IN	India	Closed In KTS records 2009	2062/DELNP/2007	
PROCESSES AND INTERMEDIATES PREPARING CYSTEINE PROTEASE INHIBITORS 090836-0739514 005610JP	Japan	Closed In KTS records 2009	2007532479	
PROCESSES AND INTERMEDIATES PREPARING CYSTEINE PROTEASE INHIBITORS 090836-739516 005610MX	Mexico	Closed In KTS records 2009	MX/a/2007/003118	
PROCESSES AND INTERMEDIATES PREPARING CYSTEINE PROTEASE INHIBITORS 090836-739518 005610NZ	New Zealand	Closed In KTS records 2008	553905	

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Title IP Family Number	Country	Status	Serial No Filing Date	Patent No. Issue Date
PROCESSES AND INTERMEDIATES PREPARING CYSTEINE PROTEASE INHIBITORS 090836-0739520 005610PH	Philippines	Closed In KTS records 2008	12007500613	
PROCESSES AND INTERMEDIATES PREPARING CYSTEINE PROTEASE INHIBITORS 090836-0739521 005610RU	Russian Federation	Closed In KTS records 2008	2007114121	
HALOALKYL CONTAINING COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739526 005800US	United States of America	Expired	60/632,018	
HALOALKYL CONTAINING COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739530 005810US	United States of America	Issued	11/791,928 12/1/05	8,013,186 9/6/11
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HALOALKYL CONTAINING COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-739528 005810JP	Japan	Issued	2007-544469 12/1/05	4988589 5/11/12
SULFONAMIDE COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739531 005900US	United States of America	Expired	60/632,702	
SULFONAMIDE COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739535 005910US	United States of America	Issued	11/792,101 12/1/05	8,163,735 4/24/12
SULFONAMIDE COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739778 005910PC	PCT	Expired	PCT/US05/44093	
COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739534 005910JP	Japan	Issued	2007-544617 12/1/05	5154944 12/14/12
SULFONAMIDE COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739533 005910EP	European Patent Office	Closed In KTS records 2014	05853104.7	EP1819667
SULFONAMIDE COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739533 005910FR	France	Closed In KTS records 2014	05853104.7 Dec 1, 2005	1819667 Oct 17, 2012
SULFONAMIDE COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739533 005910GB	Great Britain	Closed In KTS records 2014	05853104.7 Dec 1, 2005	1819667 Oct 17, 2012
SULFONAMIDE COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739533 005910DE	Germany	Closed In KTS records 2014	05853104.7 Dec 1, 2005	602005036612.1 Oct 17, 2012
SULFONYL COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739583 006400US	United States of America	Expired	60/664,139	

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Title IP Family Number	Country	Status	Serial No Filing Date	Patent No. Issue Date
SULFONYL COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739590 006410US	United States of America	Issued	11/909,053 5/12/08	7,893,093 2/22/11
SULFONYL COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739589 006410PC	PCT	Expired	PCT/US06/10640	
SULFONYL COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739585 006410CA	Canada	Closed In KTS records 2009	2602112	
SULFONYL CONTAINING COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0910627 006410CH	Switzerland	Issued	06739439.5 3/22/06	1866277 6/25/14
SULFONYL CONTAINING COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0910626 006410DE	Germany	Issued	06739439.5 3/22/06	602006042033.1 6/25/14
SULFONYL CONTAINING COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739586 006410EP	European Patent Office	Issued	06739439.5 3/22/06	1866277 6/25/14
SULFONYL CONTAINING COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0910625 006410FR	France	Issued	06739439.5 3/22/06	1866277 6/25/14
SULFONYL CONTAINING COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0910624 006410GB	United Kingdom	Issued	06739439.5 3/22/06	1866277 6/25/14
SULFONYL CONTAINING COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0910628 006410IE	Ireland	Issued	06739439.5 3/22/06	1866277 6/25/14
SULFONYL CONTAINING COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739587 006410JP	Japan	Issued	2008-503199 3/22/06	5215167 3/8/13
SULFONYL COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739588 006410MX	Mexico	Closed In KTS records 2009	MX/a/2007/011739	N/A
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HCV INHIBITORS 090836-0713986 006610US	United States of America	Issued	11/478,337 6/28/06	7,608,592 10/27/09
HCV INHIBITORS 090836-0777481 006620US	United States of America	Issued	12/605,271 10/23/09	8,518,874 8/27/13
HCV INHIBITORS 090836-0713985 006610PC	PCT	Expired	PCT/US06/25996	N/A
HCV INHIBITORS 090836-0740556 006610AU	Australia	Closed In KTS records 2014	2006265632	
HCV INHIBITORS 090836-0740557 006610BR	Brazil	Pending	PI0612104-7 6/29/06	
HCV INHIBITORS 090836-0740558 006610CA	Canada	Allowed	2,613,112 6/29/06	

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Title IP Family Number	Country	Status	Serial No Filing Date	Patent No. Issue Date
HCV INHIBITORS 090836-0740559 006610CN	China	Issued	200680029608.0 6/29/06	ZL 200680029608.0 10/31/12
HCV INHIBITORS 090836-0740560 006610EA	Eurasian Patent Office	Issued	200800178 6/29/06	015415 10/31/11
HCV INHIBITORS 090836-0740561 006610EP	European Patent Office	Issued	06774467.2 6/29/06	1906945 8/5/15
HCV INHIBITORS 090836-0740561 006610CH	Switzerland	Issued	06774467.2 6/29/06	1906945 8/5/15
HCV INHIBITORS 090836-0740561 006610DE	Germany	Issued	06774467.2 6/29/06	1906945 8/5/15
HCV INHIBITORS 090836-0740561 006610ES	Spain	Issued	06774467.2 6/29/06	1906945 8/5/15
HCV INHIBITORS 090836-0740561 006610FR	France	Issued	06774467.2 6/29/06	1906945 8/5/15
HCV INHIBITORS 090836-0740561 006610GB	United Kingdom	Issued	06774467.2 6/29/06	1906945 8/5/15
HCV INHIBITORS 090836-0756290 006610HK	Hong Kong	Closed In KTS records 2015	08107960.3 6/29/06	
HCV INHIBITORS 090836-0740562 006610ID	Indonesia	Closed In KTS records 2013	W-00200704291 6/29/06	
HCV INHIBITORS 090836-0740561 006610IE	Ireland	Issued	06774467.2 6/29/06	1906945 8/5/15
1-[2-(3-tert-butylureido)-3,3-dimethylbutyryl]-4-(7-methoxy-2-pyrazol-1-yl-quinolin-4-yloxy)-pyrrolidine-2-carboxylic acid (1-cyclopropylaminooxalylbutyl)amide and uses thereof 090836-0740563 006610IL	Israel	Pending	188207 6/29/06	
HCV INHIBITORS 090836-0740564 006610IN	India	Closed In KTS records 2015	4882/KOLNP/2007	N/A
HCV INHIBITORS 090836-0740561 006610IT	Italy	Issued	06774467.2 6/29/06	1906945 8/5/15
HCV INHIBITORS 090836-0740565 006610JP	Japan	Issued	2008-519691 6/29/06	5368089 9/20/13
HCV INHIBITORS 090836-0740566 006610KR	Republic of Korea	Issued	10-2007-7031049 6/29/06	10-1369872 2/26/14
HCV INHIBITORS 090836-0740567 006610MX	Mexico	Issued	MX/a/2007/016324 6/29/06	288902 8/2/11
HCV INHIBITORS 090836-0740568 006610NO	Norway	Closed In KTS records 2013	20080540 6/29/06	
HCV INHIBITORS 090836-0740569 006610NZ	New Zealand	Closed In KTS records 2013	264257 6/29/06	564257 5/7/12
HCV INHIBITORS 090836-0740570 006610PH	Philippines	Closed In KTS records 2015	12007502959 6/29/06	1-2007-502959 1/27/12



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Title IP Family Number	Country	Status	Serial No Filing Date	Patent No. Issue Date
HCV INHIBITORS 090836-0841283 006610RU	Russian Federation	Issued	200800178 6/29/06	015415 10/31/11
HCV INHIBITORS 090836-0740571 006610SG	Singapore	Closed In KTS records 2013	200719088-7 6/29/06	138816 12/15/10
HCV INHIBITORS 090836-0714343 006610TW	Taiwan R.O.C.	Closed In KTS records 2015	95123601 6/29/06	1449711 8/21/14
HCV INHIBITORS 090836-0740572 006610ZA	South Africa	Closed In KTS records 2013	2007/11069 6/29/06	2007/11069 3/25/09
HCV INHIBITORS 090836-0826121 006620EP	European Patent Office	Closed In KTS records 2014	11190816.6 6/29/06	
HCV INHIBITORS 090836-0883405 006620IN	India	Closed In KTS records 2014	2237/KOLNP/2013 6/29/06	
HCV INHIBITORS 090836-0840015 006620JP	Japan	Closed In KTS records 2014	2012-111958 6/29/06	
AMIDINO COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739482 005000US	United States of America	Expired	60/475,612	
AMIDINO COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739487 005010US	United States of America	Expired	10/559,405	7,662,849
AMIDINO COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739486 005010PC	PCT	Expired	PCT/US2004/017654	
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POLYMORPHS OF A CYSTEINE PROTEASE INHIBITOR 090836-0739536 006110AU	Australia	Closed In KTS records 2009	2005287048	
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POLYMORPHS OF A CYSTEINE PROTEASE INHIBITOR 090836-0739538 006110CN	China	Closed In KTS records 2009	200850031513.8	
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Title IP Family Number	Country	Status	Serial No Filing Date	Patent No. Issue Date
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POLYMORPHYS OF A CYSTEINE PROTEASE INHIBITOR 090836-0739546 006110RU	Russian Federation	Closed In KTS records 2009	2007114127	
PEPTIDIC COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739775 004901US	United States of America	Expired	60/422,234	
PEPTIDIC COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739479 004902US	United States of America	Expired	60/422,710	
PEPTIDIC COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739478 004900US	United States of America	Expired	60/391,051	
PEPTIDIC COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739480 004910PC	PCT	Expired	PCT/US2003/019990	
ALPHA KETOAMIDE COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739576 006301US	United States of America	Expired	60/664,283	
AMIDINO COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739493 005200US	United States of America	Expired	60/532,243	
AMIDINO COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739496 005210PC	PCT	Expired	PCT/US2004/043451	
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SILINANE COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739498 005301US	United States of America	Expired	60/547,498	
SILINANE COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739713 005300US	United States of America	Expired	60/540,581	
SILINANE COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739151 005310PC	PCT	Expired	PCT/US2005/002773	
SILINANE COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739499 005310AU	Australia	Closed In KTS records 2008	2005210631	

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Title IP Family Number	Country	Status	Serial No Filing Date	Patent No. Issue Date
SILINANE COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739138 005310CA	Canada	Closed In KTS records 2008	2554626	
SILINANE COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0735830 005310CN	China	Closed In KTS records 2009	200580010399.0	
SILINANE COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739144 005310IL	Israel	Closed In KTS records 2008	177055	
SILINANE COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739145 005310IN	India	Closed In KTS records 2008	4367/DELNP/2006	
SILINANE COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739146 005310JP	Japan	Closed In KTS records 2008	2006551515	
SILINANE COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739148 005310MX	Mexico	Closed In KTS records 2008	PA/a/2006/008543	
SILINANE COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739150 005310NZ	New Zealand	Closed In KTS records 2008	549033	
SILINANE COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739153 005310RU	Russian Federation	Closed In KTS records 2008	2006131043	
SILINANE COMPOUNDS AS CYSTEINE PROTEASE INHIBITORS 090836-0739261 005310ZA	South Africa	Closed In KTS records 2008	2006/07217	
COMBINATION THERAPY UTILIZING CATHEPSIN S INHIBITORS No KTS Record	United States of America	Expired	60/532,202	
COMBINATION THERAPY UTILIZING CATHEPSIN S INHIBITORS 090836-0739488 005100US	United States of America	Expired	60/528,846	
COMBINATION THERAPY UTILIZING CATHEPSIN S INHIBITORS 090836-0739491 005110PC	PCT	Expired	PCT/US2004/041580	
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