

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM469803

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
TransnetYX, Inc.		04/13/2018	Corporation: TENNESSEE
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	Abacus Finance Group, LLC, as Administrative Agent		
<b>Street Address:</b>	335 Madison Avenue		
<b>Internal Address:</b>	23rd Floor		
<b>City:</b>	New York		
<b>State/Country:</b>	NEW YORK		
<b>Postal Code:</b>	10017		
<b>Entity Type:</b>	Limited Liability Company: DELAWARE		
<b>PROPERTY NUMBERS Total: 4</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Registration Number:</b>	2828532	TRANSNETYX	
<b>Registration Number:</b>	2830768	TRANSNETYX SERVING RESEARCH. SAVING TIME	
<b>Registration Number:</b>	2830769	TRANSNETYX SERVING RESEARCH. SAVING TIME	
<b>Registration Number:</b>	4168545	HARMONYX	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	6174821776		
<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>	6174821776		
<b>Email:</b>	SMORDAS@GOULSTONSTORRS.COM		
<b>Correspondent Name:</b>	Stacey Mordas		
<b>Address Line 1:</b>	400 Atlantic Avenue		
<b>Address Line 4:</b>	Boston, MASSACHUSETTS 02110		
<b>NAME OF SUBMITTER:</b>	Stacey A. Mordas		
<b>SIGNATURE:</b>	/s/ Stacey A. Mordas		
<b>DATE SIGNED:</b>	04/13/2018		
<b>Total Attachments: 5</b>			
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## TRADEMARK SECURITY AGREEMENT

This TRADEMARK SECURITY AGREEMENT (this "Agreement"), dated as of April 13, 2018, is made by TransnetYX, Inc., a Tennessee corporation (the "Grantor"), in favor of Abacus Finance Group, LLC, in its capacity as administrative agent for the Lenders party to the Credit Agreement referred to below (in such capacity, the "Administrative Agent").

### W I T N E S S E T H:

WHEREAS, pursuant to that certain Credit Agreement of even date herewith (as amended, restated, supplemented or otherwise modified from time to time, the "Credit Agreement"), by and among Grantor, YX Services, Inc., a Tennessee corporation ("YX Services"), Harmonyx Diagnostics, Inc., a Tennessee corporation ("Harmonyx"), RobotYX, Inc., a Tennessee corporation ("RobotYX") and together with the Grantor, YX Services, Harmonyx and RobotYX, the "Borrowers"), YX Genomics Holding Corp., a Delaware corporation ("Holdings"), the lenders from time to time party thereto (the "Lenders") and the Administrative Agent, the Lenders have agreed to extend credit and make certain financial accommodations to the Borrowers;

WHEREAS, in connection with the Credit Agreement, the Borrowers, Holdings and the Administrative Agent have entered into that certain Guarantee and Collateral Agreement of even date herewith (as amended, restated, supplemented or otherwise modified from time to time, the "Guarantee and Collateral Agreement"); and

WHEREAS, pursuant to the Credit Agreement and the Guarantee and Collateral Agreement, the Grantor is required to execute and deliver to the Administrative Agent this Agreement;

NOW, THEREFORE, in consideration of the premises and mutual covenants herein contained and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Grantor hereby agrees as follows:

1. DEFINED TERMS. All capitalized terms used but not otherwise defined herein have the meanings given to them in the Guarantee and Collateral Agreement.

2. GRANT OF SECURITY INTEREST IN TRADEMARK COLLATERAL. The Grantor hereby pledges, collaterally assigns and grants to the Administrative Agent, on behalf of and for the ratable benefit of the Secured Parties, and their respective permitted successors, indorsees, transferees and assigns, a continuing first priority security interest in all of Grantor's right, title and interest in, to and under the following, whether presently existing or hereafter created or acquired (collectively, the "Trademark Collateral"):

2.1. all of its Trademarks, including those referred to on Schedule I hereto, excluding only United States intent-to-use trademark applications to the extent that and solely during the period in which the grant of a security interest therein would impair, under applicable federal law, the registrability of such applications or the validity or enforceability of registrations issuing from such applications;

2.2. all extensions and renewals of the foregoing;

2.3. all goodwill connected with the use of, and symbolized by, each such Trademark;

2.4. all rights of any kind whatsoever of Grantor accruing under any of the foregoing provided by applicable law of any jurisdiction, by international treaties and conventions and otherwise throughout the world;

2.5. any and all royalties, fees, income, payments, products, and other proceeds now or hereafter due or payable with respect to any and all of the foregoing; and

2.6. any and all claims and causes of action, with respect to any of the foregoing, whether occurring before, on or after the date hereof, including all rights to and claims for damages, restitution and injunctive and other legal and equitable relief for past, present and future infringement, dilution, misappropriation, violation, misuse, breach or default, with the right but no obligation to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages.

3. GUARANTEE AND COLLATERAL AGREEMENT. The security interests granted pursuant to this Agreement are granted in conjunction with the security interests granted to the Administrative Agent pursuant to the Guarantee and Collateral Agreement. The Grantor hereby acknowledges and affirms that the rights and remedies of the Administrative Agent with respect to the security interest in the Trademark Collateral made and granted hereby are more fully set forth in the Guarantee and Collateral Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. In the event of a conflict between the provisions of this Agreement and the Guarantee and Collateral Agreement, the Guarantee and Collateral Agreement shall control. This Agreement shall constitute a Collateral Document and a Loan Document (as such terms are defined in the Credit Agreement).

4. AMENDMENTS IN WRITING. None of the terms or provisions of this Agreement may be waived, amended, supplemented or otherwise modified except by an instrument in writing signed by the Administrative Agent and the Grantor.

5. GOVERNING LAW. This Agreement and the rights and obligations of the parties hereto shall be governed by, and construed in accordance with, the laws of the State of New York.

6. COUNTERPARTS. This Agreement may be executed in any number of counterparts and by the different parties hereto on separate counterparts and each such counterpart shall be deemed to be an original, but all such counterparts shall together constitute but one and the same Agreement. Receipt by telecopy or other electronic transmission (including "PDF") of any executed signature page to this Agreement shall constitute effective delivery of such signature page.

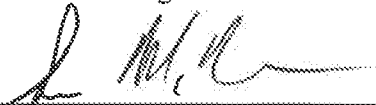
7. TERMINATION. Upon the termination of the Guarantee and Collateral Agreement pursuant to Section 8.17 thereof, upon written request of the Grantor, and at the expense of the Grantor, the Administrative Agent shall execute, acknowledge, and deliver to the Grantor an instrument in writing in recordable form, and in form and substance reasonably acceptable to the Administrative Agent, releasing the collateral pledge, grant, assignment, lien and security interest in the Trademarks under this Agreement.

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ADMINISTRATIVE AGENT:

ABACUS FINANCE GROUP, LLC  
as Administrative Agent

By:   
Name: Sean McKeever  
Title: Managing Director and Chief Operating Officer

**SCHEDULE I**  
**to**  
**TRADEMARK SECURITY AGREEMENT**

**TRADEMARK REGISTRATIONS**

<b>Grantor</b>	<b>Trademark</b>	<b>Registration Number</b>	<b>Registration Date</b>
TransnetYX, Inc.	TRANSNETYX	2,828,532	March 30, 2004
TransnetYX, Inc.	TRANSNETYX SERVING RESEARCH. SAVING TIME.	2,830,768	April 6, 2004
TransnetYX, Inc.		2,830,769	April 6, 2004
TransnetYX, Inc.	HARMONYX	4,168,545	July 3, 2012