

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SAMUEL FREEMAN	08/15/2018
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16084890
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SIGNATURE:	/Leslie Serunian, Ph.D./
DATE SIGNED:	04/23/2019
Total Attachments: 4	
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ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this 18 day of August, 2018, by Samuel Freeman, c/o President and Fellows of Harvard College, 17 Quincy Street, Cambridge, MA 02138, (hereinafter referred to as Assignor(s)).

WHEREAS, Assignor(s) have invented certain new and useful improvements in “METHODS FOR GENOME CHARACTERIZATION,” as set forth in an application for Letters Patent of the United States already filed on March 16, 2017, as PCT Patent Application No.: PCT/US2017/022792; designating the United States which claims the benefit of United States Provisional Application Nos. 62/309,299, filed March 16, 2016 and 62/359,544, filed July 7, 2016; respectively; and

WHEREAS, President and Fellows of Harvard College, a University, organized under and pursuant to the laws of Massachusetts having a principal place of business at 17 Quincy Street, Cambridge, MA 02138, (hereinafter referred to as Assignee(s)), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, Assignor(s) hereby sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee(s), their successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee(s), for their own use and benefit and the use and benefit of their successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent

may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignor(s) hereby represent and warrant to Assignee(s), their successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee(s) under law or that have already been transferred to Assignee(s), Assignor(s) are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above- mentioned, and that the same are unencumbered and that Assignor(s) hereby good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor(s) hereby covenant and agree to and with Assignee(s), their successors, legal representatives and assigns, that Assignor(s) will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee(s), their successors, legal representatives and assigns, whenever counsel of Assignee(s), or counsel of their successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Provisional application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor(s) hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee(s), as Assignee(s) of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee(s), their successors, legal representatives and assigns.

AND Assignor(s) hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

GREENBERG TRAURIG LLP

All practitioners at Customer Number 35893

AND Assignor(s) acknowledge an obligation of assignment of this invention to Assignee(s) at the time the invention was made.

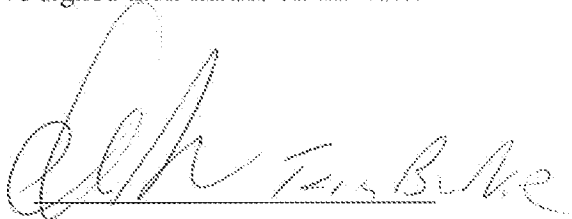
Date: 8/15/18



SAMUEL FREEMAN

IN TESTIMONY WHEREOF, the Assignor(s) have signed their names on the dates indicated.

Date: 8/15/18

Witness: 

Date: 8/15/18

Witness: 