

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| | |
| Name | Execution Date |
| ERIC D. BOYDEN | 02/27/2014 |
| GREGORY PORRECA | 02/05/2014 |
| MARK UMBARGER | 02/27/2014 |
| RECEIVING PARTY DATA | |
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| Street Address: | 237 PUTNAM AVENUE |
| City: | CAMBRIDGE |
| State/Country: | MASSACHUSETTS |
| Postal Code: | 02139 |
| PROPERTY NUMBERS Total: 1 | |
| | |
| Property Type | Number |
| Application Number: | 17104906 |
| CORRESPONDENCE DATA | |
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| <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> | |
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| Correspondent Name: | THOMAS C. MEYERS |
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| Address Line 2: | ONE FINANCIAL CENTER |
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| ATTORNEY DOCKET NUMBER: | MLB-018/02US 34468/45 |
| NAME OF SUBMITTER: | THOMAS C. MEYERS |
| SIGNATURE: | /Thomas C. Meyers/ |
| DATE SIGNED: | 05/11/2021 |
| Total Attachments: 5 | |
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ASSIGNMENT

WHEREAS, We, the below named inventors,

Eric D. Boyden, Gregory Porreca, Mark Umbarger

hereinafter referred to as "Assignors" have made an invention(s) set forth in an applications for patent of the United States, entitled: **METHODS FOR DETERMINING CARRIER STATUS**

for which we filed a U.S. Non-provisional patent application on **October 18, 2013** which bears U.S. Patent Application Serial No. 14/057,673; and

WHEREAS, GOOD START GENETICS, INC., a corporation organized under the laws of the state of Delaware, whose post office address is 237 Putnam Avenue, Cambridge MA 02139 (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Inventions; the applications for patent identified above; the right to file applications for patent of the United States or other countries on the Inventions; any application for patent of the United States or other countries claiming priority to these applications; any provisional or other right to recover damages, including royalties, for prior infringements of these applications; and any patent of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignors have not done so already via a prior agreement with the Assignee, or if the Assignors have already done so via a prior agreement with the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignors have sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignors' entire right, title, and interest in:

- (a) the Invention(s);
- (b) the application for patent identified above;
- (c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Paris Convention for the Protection of Industrial Property and under the Patent Cooperation Treaty;
- (d) any application(s) for patent of the United States or other countries claiming the Invention(s);
- (e) any application(s) for patent of the United States or other countries claiming priority to the application for patent identified above or any

application(s) for patent claiming the Invention(s), including any division(s), continuation(s), and continuation(s)-in-part; and

(f) any provisional or other right to recover damages, including royalties, for prior infringements of any application for patent identified in the preceding paragraphs (b)-(e); and

(g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b) – (e), including any reissue(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made.

The Assignors hereby represent to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignors are lawful owners of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner set forth herein.

The Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that the Assignors will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said applications, and said patents, including interference proceedings, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignors hereby request the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: February 27, 2014

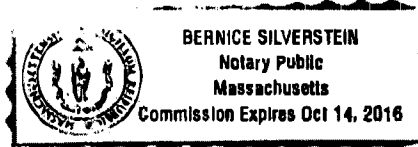
By: Eric D. Boyden
Eric D. Boyden

State of Massachusetts)
County of Middlesex) ss.

On February 27, 2014 before me, Bernice Silverstein Notary Public, personally appeared Eric D. Boyden, personally known to me or proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Bernice Silverstein
Signature of Notary Public



Place Notary Seal Above

My Commission Expires: 10-14-2016

Date: 2-5-2014

By: *Gregory Porreca*
Gregory Porreca

State of Massachusetts)

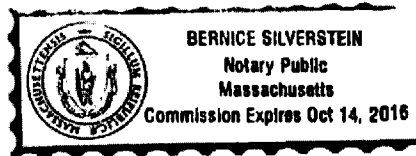
County of Middlesex) ss.

On February 5, 2014, before me, Bernice Silverstein, Notary Public, personally appeared Gregory Porreca, personally known to me or proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Bernice Silverstein

Signature of Notary Public



Place Notary Seal Above

My Commission Expires: October 14, 2016

Date: 2/27/14

By: Mark Umbarger
Mark Umbarger

State of Massachusetts)
County of Middlesex) ss.

On February 27, 2014, before me, Bernice Silverstein, Notary Public, personally appeared Mark Umbarger, personally known to me or proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Bernice Silverstein
Signature of Notary Public



Place Notary Seal Above

My Commission Expires: 10-14-2016

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