PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3053501

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARCIA M. NIZZARI	10/24/2012
BENJAMIN H. BRETON	10/24/2012
DAVID L. TEFFT	10/24/2012
XAVIER S. HAURIE	10/24/2012

RECEIVING PARTY DATA

Name:	GOOD START GENETICS, INC.
Street Address:	237 PUTNAM AVENUE
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02139

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14329243

CORRESPONDENCE DATA

Fax Number: (617)856-8201

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: 617-856-8483

Email: ip@brownrudnick.com THOMAS C. MEYERS **Correspondent Name:** Address Line 1: ONE FINANCIAL CENTER Address Line 2: **BROWN RUDNICK LLP**

Address Line 4: BOSTON, MASSACHUSETTS 02111

ATTORNEY DOCKET NUMBER:	GSGE-010/02US 29258/92
NAME OF SUBMITTER:	THOMAS C. MEYERS
SIGNATURE:	/Thomas C. Meyers/
DATE SIGNED:	10/06/2014

Total Attachments: 6

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> **PATENT** REEL: 033893 FRAME: 0331 503006901

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PATENT REEL: 033893 FRAME: 0332

ASSIGNMENT

Marcia M. Nizzari of Needham, MA, Benjamin H. Breton of Woburn, MA, David L. Tefft of Malden, MA, and Xavier S. Haurie of Belmont, MA, (referred to as "Assignors") have made an invention (the "Invention") set forth in an application for patent of the United States, entitled VARIANT DATABASE, and which is a:

- (1) [X] provisional application
 - (a) [] to be filed herewith; or
 - (b) [X] bearing Application No. 61/621,779, and filed on April 9, 2012; or
- (2) [] non-provisional application
 - (a) [] to be filed herewith; or
 - (b) [] bearing Application No., and filed on.

WHEREAS, GOOD START GENETICS, INC., a company having its principal place of business at 237 Putnam Avenue, Cambridge, MA, 02139 (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention; the application for patent identified in paragraph (1) or (2); the right to file applications for patent of the United States or other countries on the Invention; any application for patent of the United States or other countries claiming priority to these application; 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's entire right, title, and interest in:

- (a) the Invention(s);
- (b) the application for patent identified in paragraph (1) or (2);
- (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 in paragraph (1) or (2) 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 represents 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 is a lawful owner 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 has good and full right and lawful authority to sell and convey the same in the manner set forth herein.

The Assignors hereby covenants and agrees 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 Assignors, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignors hereby authorizes and requests the attorneys of BROWN RUDNICK LLP to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application identified in paragraph (1) or (2) when known.

The Assignors hereby requests 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.

PATENT REEL: 033893 FRAME: 0334

Date: 10/24/2012 By: Marcia M. Nizzari
State of Massachusetts) County of Middlesex) ss.
On October 24, 2012, before me, Bernice Silverstein. Notary Public, personally appeared Marcia Nizzari, personally known to me or proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the
instrument. BERNICE SILVERSTEIN Notary Public Massachusetts WITNESS my hand and official seal. Commission Expires Oct 14, 2016
Signature of Notary Public Place Notary Seal Above
My Commission Expires: Oct. 14, 2016

Date: 10/24/2012	By: Benjamin H. Breton
	Benjamin H. Breton
to me or proved to me on the basis of satisfac is/are subscribed to the within instrument and a same in his/her/their authorized capacity(ies	ne, Bernice Silverchin, Notary To Breton, personally known tory evidence, to be the person(s) whose name(s) acknowledged to me that he/she/they executed the h, and that by his/her/their signature(s) on the hehalf of which the person(s) acted, executed the Hernice Silverstein Hotery Public Hassachusells Commission Expires Oct 14, 2016 Place Notary Seal Above
My Commission Expires: Det. 111, 2016	

Date: 10/24/2012 By:
State of Massachusetts County of Middle sex ss.
On October 24, 2012, before me, Bervice Silverstein, Notary Public, personally appeared Davd Teff , personally known to me or proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the
instrument. WITNESS my hand and official scal. BERNICE SILVERSTEIN Notary Public Massachuseits Commission Expires Oct 14, 2016 Place Notary Public Place Notary Seal Above
My Commission Expires: 0ct. 14, 2016

Date: 10/24/2012 By:	Xavier S. Haurie
State of Massachust Hs County of Middle sex	ss.
On October W 2012, before me, Public, personally appeared Xavier Hau to me or proved to me on the basis of satisfactory is/are subscribed to the within instrument and acknown in his/her/their authorized capacity(ies), an instrument the person(s), or the entity upon behalf	evidence, to be the person(s) whose name(s) whedged to me that he/she/they executed the d that by his/her/their signature(s) on the
WITNESS my hand and official seal.	BERNICE SILVERSTEIN Notary Public Messschusetts Commission Expires Oct 14, 2016
Signature of Notary Public My Commission Expires: Oct. 14, 2016	Place Notary Seal Above

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PATENT REEL: 033893 FRAME: 0338

RECORDED: 10/06/2014