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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARK UMBARGER	06/18/2012
GREGORY PORRECA	06/18/2012
CHARLES TOWNE	06/18/2012
GEORGE CHURCH	04/13/2012

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:	16901467

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: 617-856-8200

Email: ip@brownrudnick.com, srichards@brownrudnick.com

Correspondent Name: BROWN RUDNICK, LLP Address Line 1: ONE FINANCIAL CENTER

Address Line 4: BOSTON, MASSACHUSETTS 02111

ATTORNEY DOCKET NUMBER:	MLB-009/03US 34468/33
NAME OF SUBMITTER:	THOMAS C. MEYERS
SIGNATURE:	/THOMAS C. MEYERS/
DATE SIGNED:	09/16/2020

Total Attachments: 6

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ASSIGNMENT

WHEREAS I, the below named inventor,

hereinafter referred to as "Assignor(s)" have made an invention(s) set forth in an applications for patent of the United States, entitled: IMPROVED PERFORMANCE OF CAPTURE REACTIONS

(1)	[] provisional application (a) [] to be filed herewith; or (b) [] bearing Application No.	, and filed on	; or
(2)	[X] non-provisional application (a) to be filed herewith; or		

(b) [X] bearing Application No. 13/448,961, and filed on April 17, 2012.

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 Assignor has not done so already via a prior agreement with the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has 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 Assignor's 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 Assignor had this sale and assignment not been made.

The Assignor 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 Assignor 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 Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor 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 Assignor 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 Assignor 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.

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Date: 6/19/12 By: Web A Yest
Mark Umbarger
State of Macsachusets
County of Middle Cox) ss.
On June 18, 2012, before me, Bernice Silverstein, Notary Public, personally appeared Mark Umbarger, personally known
Public, personally appeared Mark Unbarger , 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 seal. WITNESS my hand and official seal. WITNESS my hand and official seal.
Benie Selverfer
Signature of Notary Public Place Notary Seal Above
My Commission Expires: のずのからは、プラリカ

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Date: 6-18-2017	BY: International State Commencer
	Gregory Porreca
State of Wassachnsetts	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
County of Middlesex) ss.	
On June 18, 2012 before	me, <u>bernice Silversfeirn</u> , Notary
Public, personally appeared <u>Gregory</u>	orrecommon personally known
	sctory 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(ie	s), 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 seal.	BERNICE SILVERSTEIN Notary Public Massachusolis
Benica Duntur	Commission Expires Oct 14, 2018
Signature of Notary Public	Place Notary Seal Above
C.	
My Commission Prairie Pr Leton 14	3011

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Date: 6/18/2012 By:	Charles Towne
State of Massichusetts	***************************************
County of Middle sea	
On June 18, 2012 before me, Public, personally appeared Charles Tou	Bernice Silverstein, Notary
Public, personally appeared _ Charles Tou	nで , personally known
to me or proved to me on the basis of satisfactory of	***
is/are subscribed to the within instrument and ackno	wledged to me that he/she/they executed the
same in his/her/their authorized capacity(ies), and	d 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 seal.	BERNICE SILVERSTEIN Notery Public Massachusette Commission Expires Oct 14, 2018
Berico Strangeir	
Signature of Notary Public	Place Notary Seal Above
My Commission Expires: October 14, 2016	

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Date: 13 A 2r 2012 By: Stev Conge Church
State of
County of JANUAL SS.
On April 13, 2012 before me, Ella Sueton Notary
Public, personally appeared GEDEGE CADECS, 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 (ny hand official seal.
Signature of Noury Public Place Notary Seal Above
My Commission Expires: Noterly Public COMMONWEALTH OF MASSACHUSETTS
My Commission Expires November 1, 2019

PATENT REEL: 053792 FRAME: 0078

RECORDED: 09/16/2020