

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT4866072

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JENNIFER NOMINATI	03/12/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SYNTHETIC GENOMICS, INC.
<b>Street Address:</b>	11149 NORTH TORREY PINES ROAD
<b>City:</b>	LA JOLLA
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92037
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15859094
<b>PCT Number:</b>	US1769073
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	8584332214
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<b>Correspondent Name:</b>	DOROTHY WHARRY
<b>Address Line 1:</b>	11149 NORTH TORREY PINES ROAD
<b>Address Line 4:</b>	LA JOLLA, CALIFORNIA 92037
<b>NAME OF SUBMITTER:</b>	DOROTHY J. WHARRY
<b>SIGNATURE:</b>	/Dorothy J. Wharry/
<b>DATE SIGNED:</b>	03/14/2018
<b>Total Attachments: 2</b>	
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## ASSIGNMENT

THIS ASSIGNMENT, by **Jennifer NOMINATI**, residing in **San Diego, California**; (hereinafter referred to as the Assignor), witnesseth:

WHEREAS, said Assignor has invented certain new and useful improvements in the inventions described and claimed in the applications entitled, "**HIGH PRODUCTIVITY ALGAL MUTANTS HAVING REDUCED PHOTOSYNTHETIC ANTENNA**," filed on **December 29, 2017** for:

Application for Letters Patent of the United States, bearing <b>Serial No. 15/859,094</b>
International Patent Application, bearing <b>Serial No. PCT/US17/69073</b>

And;

WHEREAS, **SYNTHETIC GENOMICS, INC.** (hereinafter referred to as the Assignee) is desirous of acquiring the entire right, title and interest in and to said inventions and said applications for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby has sold, assigned, transferred and conveyed, and by these presents does sell, assign, transfer and convey, unto said Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to (a) any intellectual property (including without limitation any innovation, information, invention, discovery, product, process, work, or design) disclosed, embodied, affixed, shown or claimed in the above-mentioned patent application, implicitly or explicitly, for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations and continuations-in-part of said application, or reissues, or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said Assignee, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the Assignor, had this sale and assignment not been made.

AND for the same consideration, said Assignor hereby covenants and agrees to and with said Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said Assignor is the lawful owner of the entire right, title and interest in and to said inventions and the applications for Letters Patent above-mentioned, and that the same is unencumbered and that said Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that said Assignor will, whenever Assignee or counsel of said Assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, 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 Letters Patent for said inventions, without charge to said Assignee, its successors, legal representatives and assigns, but at the cost and expense of said Assignee, its successors, legal representatives and assigns.

AND said Assignor hereby requests the Commissioner of Patents or any other agency, U.S. or non-U.S., to issue said Letters Patent of the United States and of all foreign countries, or other documents resulting from the patent application(s) or intellectual property under Paragraph 2, to said Assignee as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use of said Assignee, its successors, legal representatives and assigns.

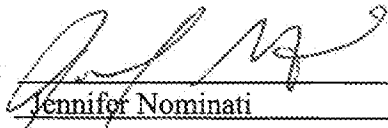
AND said Assignor agrees that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representatives, and shall be binding upon the inventor(s), as well as the inventor(s)' heirs, legal representatives and assigns.

AND said Assignor warrants and represents that he/she has not entered, and will not enter into, any assignment, contract, or understanding that conflicts with this assignment.

IN WITNESS WHEREOF, the Assignor has executed this Assignment on the date provided below.

**ASSIGNOR**

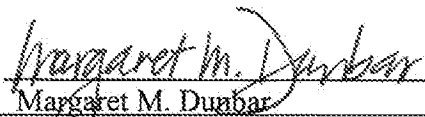
Date: 3/12/18

Signature: 

Name: Jennifer Nominati

**SYNTHETIC GENOMICS, INC. (ASSIGNEE)**

Date: 14. March 2018

Signature: 

Name: Margaret M. Dunbar

Title: Vice President, Intellectual Property