

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Erik Holtzapple</td> <td>03/30/2012</td> </tr> <tr> <td>John H. Verruto</td> <td>03/30/2012</td> </tr> </tbody> </table>		Name	Execution Date	Erik Holtzapple	03/30/2012	John H. Verruto	03/30/2012
Name	Execution Date						
Erik Holtzapple	03/30/2012						
John H. Verruto	03/30/2012						
RECEIVING PARTY DATA							
Name:	Synthetic Genomics, Inc.						
Street Address:	11149 North Torrey Pines Road						
City:	La Jolla						
State/Country:	CALIFORNIA						
Postal Code:	92037						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13413426</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13413426		
Property Type	Number						
Application Number:	13413426						
CORRESPONDENCE DATA							
Fax Number:	(314)726-7501						
Phone:	3147267500						
Email:	lmrefile@hdp.com						
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>							
Correspondent Name:	Leanne M. Rakers						
Address Line 1:	Harness, Dickey & Pierce, P.L.C.						
Address Line 2:	7700 Bonhomme, Suite 400						
Address Line 4:	St. Louis, MISSOURI 63105						
ATTORNEY DOCKET NUMBER:	16244-000013/US						
NAME OF SUBMITTER:	Leanne M. Rakers						
Total Attachments: 2 source=Assignment (Inventors to SGI)#page1.tif source=Assignment (Inventors to SGI)#page2.tif							

CH \$40.00 13413426

**ASSIGNMENT
JOINT**

THIS ASSIGNMENT, by Erik HOLTZAPPLE, residing at 2625 ½ "E" Street, San Diego, CA 92102; and John H. VERRUTO, residing at 4065 Georgia Street, San Diego, CA 92103 (hereinafter referred to as the assignors), witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in the inventions described and claimed in the application entitled **ACYL-ACP WAX ESTER SYNTHASES** set forth in an application for Letters Patent of the United States, bearing Serial No. 13/413,426 and filed on **March 6, 2012**; and

WHEREAS, **SYNTHETIC GENOMICS, INC.**, a corporation duly organized under and pursuant to the laws of Delaware and having its principal place of business at 11149 North Torrey Pines Road, La Jolla, CA 92037, (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, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, said assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto said assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application 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 assignors, had this sale and assignment not been made.

AND for the same consideration, said assignor hereby covenant 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 sole and 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 are 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 said 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 to issue said Letters Patent of the United States 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.

Date: 3-30-2012

Signature:
Name:

Erik Holtzapfle
Erik HOLTZAPPLE

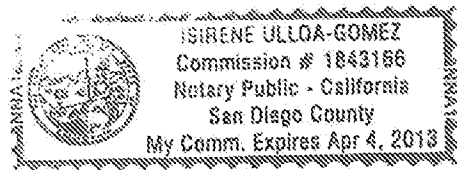
STATE OF California)
COUNTY OF San Diego)

On March 30, 2012, before me, Isirene Ulloa Gomez, Notary Public, personally appeared Erik Holtzapfle, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to within the 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.

I certify under PENALTY of PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: Isirene Ulloa Gomez (Seal)



Date: 3-30-2012

Signature:
Name:

John H. Verruto
John H. VERRUTO

STATE OF California)
COUNTY OF San Diego)

On March 30, 2012, before me, Isirene Ulloa Gomez, Notary Public, personally appeared John H. Verruto, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to within the 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.

I certify under PENALTY of PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: Isirene Ulloa Gomez (Seal)

