

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3920426

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
SEVEN BRIDGES GENOMICS INC.	06/13/2016

RECEIVING PARTY DATA

Name:	Venture Lending & Leasing VII, Inc.
Street Address:	104 La Mesa Drive, Suite 102
City:	Portola Valley
State/Country:	CALIFORNIA
Postal Code:	94028

PROPERTY NUMBERS Total: 12

Property Type	Number
Application Number:	14990323
Application Number:	14994758
Application Number:	14994385
Application Number:	62279131
Application Number:	15003374
Application Number:	15006391
Application Number:	15007874
Application Number:	15007865
Application Number:	15014500
Application Number:	15014483
Application Number:	15052354
Application Number:	15061235

CORRESPONDENCE DATA

Fax Number: (415)777-4961

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: 415 981 1400

Email: nsust@grmslaw.com

Correspondent Name: JEFFREY T. KLUGMAN

Address Line 1: FOUR EMBARCADERO CENTER, SUITE 4000

Address Line 4: SAN FRANCISCO, CALIFORNIA 94111

PATENT

ATTORNEY DOCKET NUMBER:	48046-3054
NAME OF SUBMITTER:	JEFFREY T. KLUGMAN
SIGNATURE:	/JEFFREY T. KLUGMAN/
DATE SIGNED:	06/15/2016

Total Attachments: 3

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SUPPLEMENT NO. 1 TO INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Supplement No. 1 to Intellectual Property Security Agreement (this "Supplement") is made as of June 13, 2016, by and between SEVEN BRIDGES GENOMICS INC., a Delaware corporation ("Grantor"), and VENTURE LENDING & LEASING VII, INC. ("VLL7"), a Maryland corporation ("Secured Party").

RECITALS

WHEREAS, Grantor and its wholly-owned subsidiaries, Seven Bridges Genomics UK Limited and Seven Bridges Genomics D.O.O., and Secured Party are parties to that certain Intellectual Property Security Agreement, dated as March 20, 2015 (as the same has been and may be amended, restated, supplemented or otherwise modified from time to time, the "Intellectual Property Security Agreement") pursuant to which, among other things, Grantor granted Secured Party a security interest in, to and under certain items of Grantor's Intellectual Property;

WHEREAS, Grantor and Secured Party wish to amend the Intellectual Property Security Agreement on the terms set forth herein; and

WHEREAS, each capitalized term used but not otherwise defined herein shall have the meaning ascribed thereto in the Intellectual Property Security Agreement.

NOW, THEREFORE, the parties hereto agree as follows:

AGREEMENT

1. Exhibit B to Intellectual Property Security Agreement, the listing of Grantor's Patents, is hereby supplemented and amended by Exhibit "B" attached to this Supplement, to include reference to Grantor's right, title and interest in, to and under the Patents set forth thereon.

2. This Supplement shall be deemed to be an amendment to Intellectual Property Security Agreement and shall not be construed in any way as a replacement or substitution therefor. All of the terms and conditions of, and terms defined in, this Supplement are hereby incorporated by reference into the Intellectual Property Security Agreement as if such terms and provisions were set forth in full therein. Except as so amended hereby, the Intellectual Property Security Agreement and the other Loan Documents shall remain in full force and effect in accordance with their respective terms.

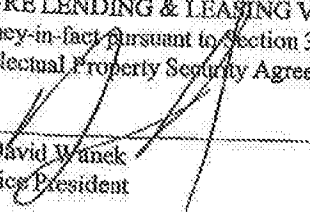
[Signature Pages Follow]

IN WITNESS WHEREOF, the parties hereto have executed this Supplement on the day and year first above written.

GRANTOR:

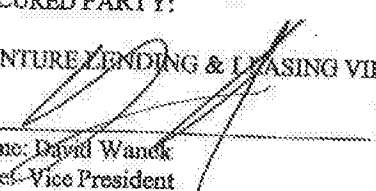
SEVEN BRIDGES GENOMICS INC.

By: VENTURE LENDING & LEASING VII, INC.
as attorney-in-fact pursuant to Section 3(b)(i) of
the Intellectual Property Security Agreement

By: 
Name: David Wanek
Title: Vice President

SECURED PARTY:

VENTURE LENDING & LEASING VII, INC.

By: 
Name: David Wanek
Title: Vice President

48046/3054
JTK/491735.1

PATENT
REEL: 039038 FRAME: 0538

SUPPLEMENT NO. 1 TO INTELLECTUAL PROPERTY SECURITY AGREEMENT

EXHIBIT "B"

Description	Application Number or Registration Number
SYSTEMS AND METHODS FOR ADAPTIVE LOCAL ALIGNMENT FOR GRAPH GENOMES	14/990,323
GENETIC ANALYSIS SYSTEMS AND METHODS	14/994,758
SYSTEMS AND METHODS FOR ANALYZING CIRCULATING TUMOR DNA	14/994,385
Visual Query Builder for Genomic Data Store	62/279,131
SYSTEMS AND METHODS FOR HAPLOTYPING	15,003,374
Systems and Methods for Encoding Genetic Variation for a Population	15/006,391
SYSTEMS AND METHODS FOR EPIGENETIC ANALYSIS	15/007,874
SYSTEMS AND METHODS FOR IDENTIFYING MICROORGANISMS	15/007,865
SYSTEMS AND METHODS FOR ANALYZING VIRAL NUCLEIC ACIDS	15/014,500
SYSTEMS AND METHODS FOR MITOCHONDRIAL ANALYSIS	15/014,483
SYSTEMS AND METHODS FOR GENOTYPING WITH GRAPH REFERENCE	15/052,354
SYSTEMS AND METHODS FOR GENOMIC PATTERN ANALYSIS	15/061,235