

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| MICHAEL H. WIGLER | 01/23/2017 |
| DAN LEVY | 01/23/2017 |
| ZIHUA WANG | 01/23/2017 |
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| PROPERTY NUMBERS Total: 2 | |
| Property Type | Number |
| Application Number: | 16403420 |
| Application Number: | 15419878 |
| CORRESPONDENCE DATA | |
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| NAME OF SUBMITTER: | DARREN HABER |
| SIGNATURE: | 87857-Z-PCT-US/DH/for Gary J. Gershik |
| DATE SIGNED: | 05/07/2019 |
| Total Attachments: 4 | |
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| source=190507_87857-PCT-US_Assignment_ADR#page4.tif | |

ASSIGNMENT OF PCT INTERNATIONAL APPLICATION

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, we, the undersigned,

Michael H. Wigler of 40 Walnut Tree Lane, Lloyd Harbor, NY 11724, United States of America;

Dan Levy of 1762 Irene Street, Merrick, NY 11566, United States of America;

Zihua Wang of 182 Ketay Drive S., East Northport, NY 11731, United States of America;

effective September 8, 2016,

Hereby sell, assign and transfer to Cold Spring Harbor Laboratory, a corporation of the State of United States of America, having a place of business at One Bungtown Road, Cold Spring Harbor, New York 11724, its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all inventions which are disclosed and claimed, and any and all inventions which are disclosed but not claimed, in the PCT International Application, which has been filed on September 8, 2016 and is entitled

**GENETIC COPY NUMBER DETERMINATION USING HIGH THROUGHPUT
MULTIPLEX SEQUENCING OF SMASHED NUCLEOTIDES**

(PCT International Application No. PCT/US2016/50750, filed September 8, 2016, claiming priority of U.S. Provisional Application No. 62/292,151, filed February 5, 2016, U.S. Provisional Application No. 62/250,405, filed November 3, 2015, U.S. Provisional Application No. 62/215,540, filed September 8, 2015)

and in and to said PCT International Application and all divisional, continuing, substitute, renewal, reissue, and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on any of said inventions disclosed in said PCT International Application; and in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions;

Agree that said Assignee may apply for and receive U.S. and foreign Letters Patent or rights of any other kind for said inventions, or any of them; and may claim, in applications for said U.S. and foreign Letters Patent or other rights, the priority of the aforesaid PCT International Application under the provisions of the International Convention of 1883 and later modifications thereof, under the European Patent Convention or under any other available international agreement; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned or the undersigned's executors or administrators will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said

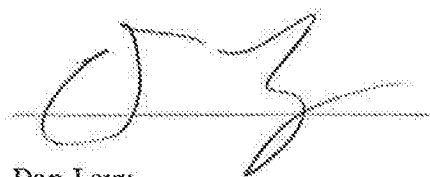
inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.



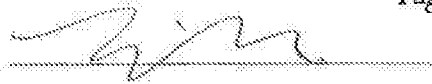
Michael H. Wigler

[L.S.]
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Dan Levy

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Zihua Wang

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