

Filed on behalf of: Sequenom, Inc.

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UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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SEQUENOM, INC.  
Petitioner

v.

THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR  
UNIVERSITY  
Patent Owner

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Case IPR2013-00390  
Patent 8,195,415

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**SEQUENOM LISTING OF EXHIBITS AS OF JULY 29, 2014**

Exhibit Number	Description
1001	U.S. Patent No. 8,195,415 to Fan and Quake.
1002	U.S. Patent Application Publication No. 2009/0029377 to Lo <i>et al.</i> (" <i>Lo II</i> ").
1003	U.S. Provisional Patent Application No. 60/951,438 to Lo <i>et al.</i> (" <i>Lo I</i> ").
1004	U.S. Patent Application Publication No. 2005/0221341 to Shimkets <i>et al.</i> (" <i>Shimkets</i> ").
1005	Tian-Li Wang <i>et al.</i> , "Digital karyotyping," Proc. Natl. Acad. Sci. USA, 99(25):16156-61 (" <i>Wang</i> ").
1006	LaDeana W. Hillier, "Whole-genome sequencing and variant discovery in <i>C. elegans</i> ," Nature Methods, 5(2):183-88 (and on-line supplementary information) (" <i>Hillier</i> ").
1007	Juliane C. Dohm <i>et al.</i> , "Substantial biases in ultra-short read data sets from high-throughput DNA sequencing," Nucleic Acids Res., 36(16):e105 (" <i>Dohm</i> ").
1008	U.S. Patent No. 7,888,017 to Quake and Fan (" <i>Quake</i> ")
1009	Andrew D. Smith <i>et al.</i> , "Using quality scores and longer reads improves accuracy of Solexa read mapping," BMC Bioinformatics, 9:128 (" <i>Smith</i> ").
1010	Declaration of Dr. Stacey Bolk Gabriel dated June 26, 2013.
1011	Curriculum Vitae of Dr. Stacey Bolk Gabriel.
1012	Affidavit of Michael J. Malecek dated January 13, 2014.
1013	Transcript of telephone conference call held on January 6, 2014, in Case IPR2013-00390.
1014	Transcript of telephone conference call held on February 21, 2014, in Case IPR2013-00390.
1015-1085	Not used
1086	Declaration of J. Chris Detter, Ph.D. dated July 31, 2013 from Interference Nos. 105,920, 105,923, and 105,924 (submitted by Party Quake as Exhibit 2049 in Interference Nos. 105,920, 105,923, and 105,924) (referenced as Exhibit 2049 in Deposition Transcript of John Christopher Detter, Ph.D. dated July 1, 2014 (Exhibit 1090,

	see below))
1087	Declaration of J. Chris Detter, Ph.D. dated July 31, 2013 from Interference No. 105,922 (submitted by Party Quake as Exhibit 2050 in Interference Nos. 105,920, 105,922, 105,923, and 105,924)
1088	Decision on Motions dated April 7, 2014 in Interference 105,922 (Paper 101)
1089	Deposition Transcript of Hei-Mun Christina Fan, Ph.D. dated June 25, 2014
1090	Deposition Transcript of John Christopher Detter, Ph.D. dated July 1, 2014 (internal references to Exhibit 2049 refer to Exhibit 1086 in the present proceeding (see above))
1091	Elliott H. Margulies <i>et al.</i> , "Comparative sequencing provides insights about the structure and conservation of marsupial and monotreme genomes," Proc Natl Acad Sci USA, 102(9):3354-3359 (2005) (" <i>Margulies</i> ")
1092	Eldar Giladi <i>et al.</i> , "SST: an algorithm for finding near-exact sequence matches in time proportional to the logarithm of the database size," Bioinformatics, 18(6):873-879 (2002) (" <i>Giladi</i> ")
1093	Mario A. Fares <i>et al.</i> , "A sliding window-based method to detect selective constraints in protein-coding genes and its application to RNA viruses," J Mol Evol 55:509-521 (2002) (" <i>Fares</i> ")
1094	Anthony G. Brickner <i>et al.</i> , "Genomic sequence comparison of the human and mouse adenosine deaminase gene regions," Mamm Genome 10(2):95-101 (1999) (" <i>Brickner</i> ")
1095	Heng Li <i>et al.</i> , "Mapping short DNA sequencing reads and calling variants using mapping quality scores," Genome Research, 18(11):1851-1858 (2008) (" <i>Li</i> ")
1096-1099	Not used
1100	Fan Priority Statement dated July 31, 2013 in Interference No. 105,922 (Paper 24)
1101	Eric S. Lander <i>et al.</i> , "Initial sequencing and analysis of the human genome," Nature 409:860-921 (2001) (" <i>Lander</i> ")
1102-1104	Not used

1105	Supplementary Materials from Lander et al. Nature 409:860-921 (2001)
1106	Sequenom Demonstrative Exhibits for August 5, 2014 Oral Argument in IPR2013-00390

Respectfully submitted,  
Perkins Coie LLP

Dated: July 29, 2014

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**CERTIFICATE OF SERVICE**

I certify that a true and correct copy of the foregoing **SEQUENOM LISTING OF EXHIBITS AS OF JULY 29, 2014** were served electronically via email on the Patent Owner through its attorneys of record on this 29<sup>th</sup> day of July, 2014 as follows:

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