UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

FORESIGHT DIAGNOSTICS INC.,
Petitioner,

v.

PERSONALIS, INC.,
Patent Owner.

Case No. IPR2023-00224
U.S. Patent No. 11,384,394

PETITIONER'S UPDATED EXHIBIT LIST

Mail Stop: PATENT BOARD
Patent Trial and Appeal Board
U.S. Patent & Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

PETITIONER'S UPDATED EXHIBIT LIST	
EX1001	U.S. Patent No. 11,384,394 to Bartha *et al.*
EX1002	Rebecca J. Leary *et al.*, "Development of Personalized Tumor Biomarkers Using Massively Parallel Sequencing," *Science Translational Medicine* (2010) (***Leary***)
EX1003	Stephen R. Quake *et al.*, WO 2011/057061 (***Quake***)
EX1004	Matthew W. Anderson & Iris Schrijver, "Next Generation DNA Sequencing and the Future of Genomic Medicine," *Genes* (2010) (***Anderson***)
EX1005	Andreas Gnirke *et al.*, "Solution hybrid selection with ultra-long oligonucleotides for massively parallel targeted sequencing," *Nature Biotechnology* (2009) (***Gnirke***)
EX1006	Florian Mertes *et al.*, "Targeted enrichment of genomic DNA regions for next-generation sequencing, Briefings in Functional Genomics," *Briefings in Functional Genomics* (2011) (***Mertes***)
EX1007	Lira Mamanova *et al.*, "Target-enrichment strategies for next-generation sequencing," *Nature* (2010) (***Mamanova*)**
EX1008	K.C. Allen Chan *et al.*, "Cancer Genome Scanning in Plasma: Detection of Tumor-Associated Copy Number Aberrations, Single-Nucleotide Variants, and Tumoral Heterogeneity by Massively Parallel Sequencing," *Clinical Chemistry* (2013) (***Chan***)
EX1009	Gary J.W. Liao *et al.*, "Targeted Massively Parallel Sequencing of Maternal Plasma DNA Permits Efficient and Unbiased Detection of Fetal Alleles," *Clinical Chemistry* (2011) (***Liao*)**
EX1010	*Personalis v. Foresight*, First Amended Complaint, D. Colo., Case No. 1:22-v-01913, Dkt. 9, filed August, 17, 2022 ("FAC")
EX1011	Infringement Claim Chart for U.S. Patent No. 11,384,394; EXI to Patent Owner's FAC

PETITIONER'S UPDATED EXHIBIT LIST	
EX1012	Timothy J. Ley *et al.*, "DNA sequencing of a cytogenetically normal acute myeloid leukaemia genome," *Nature* (2008) (***Ley***)
EX1013	Jay Shendure and Hanlee Ji, "Next-generation DNA sequencing," *Nature Biotechnology* (2008) (***Shendure***)
EX1014	Jeffrey S. Ross and Maureen Cronin, "Whole Cancer Genome Sequencing by Next-Generation Methods," *American Journal of Clinical Pathology* (2011) (***Ross***)
EX1015	David J. McBride, et al., "Use of Cancer-Specific Genomic Rearrangements to Quantify Disease Burden in Plasma from Patients with Solid Tumors," *Genes, Chromosomes & Cancer* (2010) (***McBride***)
EX1016	David M. Kurtz, et al., "Enhanced detection of minimal residual disease by targeted sequencing of phased variants in circulating tumor DNA," *Nature Biotechnology* (2021) (***Kurtz***) (EXJ to FAC)
EX1017	Dennis Lo, "Cancer Genome Scanning in Plasma, Clinical Chemistry Journal," Jan. 3, 2013 https://www.aacc.org/science-and-research/clinical-chemistry/clinical-chemistry-podcasts/2013/cancer-genome-scanning-in-plasma-detection-of-tumor-associated-copy-number-aberrations
EX1018	NIH Spreadsheet Regarding DNA Sequencing Costs
EX1019	https://www.genome.gov/about-genomics/fact-sheets/DNA-Sequencing-Costs-Data
EX1020	Declaration of John Quackenbush, Ph.D.
EX1021	Declaration of Ingrid Hsieh-Yee, Ph.D.
EX1022	Caroline Arbanas, "Wilson leads quest to reveal the genome's secrets," The Source, Washington University St. Louis, April 16, 2008 https://source.wustl.edu/2008/04/wilson-leads-quest-to-reveal-the-genome-secrets/

PETITIONER'S UPDATED EXHIBIT LIST	
EX1023	*Curriculum Vitae* of John Quackenbush, Ph.D.
EX1024	https://www.garvan.org.au/research/kinghorn-centre-for-clinical-genomics/learn-about-genomics/for-gp/genetics-refresher-1/types-of-variants
EX1025	Seo Young Oh, et al., "Improved DNA Extraction Method for Molecular Diagnosis from Smaller numbers of Cells," *Korean Journal of Clinical Laboratory Science* (2014) (***Oh***)
EX1026	Leary Supplemental Information
EX1027	Hugo Lam, et al., "Performance comparison of whole-genome sequencing platforms," *Nature Biotechnology* (2012) (***Lam***)
EX1028	Illumina, Technical Note: Sequencing
EX1029	Illumina, Specification Sheet: Illumina Sequencing
EX1030	Tim Forshew, et al., "Noninvasive Identification and Monitoring of Cancer Mutations by Targeted Deep Sequencing of Plasma DNA," *Science Translational Medicine* (2012) (***Forshew*****)**
EX1031	Matthew Meyerson, et. al., "Advances in understanding cancer genomes through second-generation sequencing," *Nature Reviews* (2010) (***Meyerson*****)**
EX1032	Reserved
EX1033	Nikhil Wagle et al., "High-Throughput Detection of Actionable Genomic Alterations in Clinical Tumor Samples by Targeted, Massively Parallel Sequencing," Cancer Discovery (2012) (***Wagle***)
EX1034-EX1069	Reserved

PETITIONER'S UPDATED EXHIBIT LIST	
EX1070 (New)	S. Dawson, *et al.*, "Analysis of Circulating Tumor DNA to Monitor Metastatic Breast Cancer," New England Journal of Medicine (2013) (***Dawson***)
EX1071	Reserved
EX1078	Additional Excerpts from Application No. 14/810,337 (EX2004)
EX1079	Declaration of Alan J. Heinrich iso Motion for *Pro Hac Vice* Admission
EX1080 (New)	Transcript of the Proceedings (Conference Call between Parties & Board - 02.22.24)
EX1081	Petitioner's Oral Hearing Demonstratives
EX1082-EX1111	Reserved
EX1112	U.S. Publication No. 2022/0195530, issued to Diehn *et al.,* ***(Diehn-530)***
EX1113-EX1207	Reserved
EX1208	Exemplary chart of Personalis™ test practicing claim 1 of U.S. Patent No. 11,384,394 (Furneux Depo EX1208)
EX1209	Genome assembly NCB136 https://www.ncbi.nlm.hih.gov/datasets/genome/GCF_000001405.12 (Furneux Depo EX1209)
EX1210	90% Chart (Furneux Depo EX1212)
EX1211	U.S. Patent No. 11,456,058, issued to West *et al*.
EX1212	U.S. Patent No. 11,584,968, issued to West

PETITIONER'S UPDATED EXHIBIT LIST	
EX1213	Pasaniuc, *et al*., "Extremely low-coverage sequencing and imputation increases for genome-wide association studies"
EX1214	(Personalis) U.S. Patent No. 11,640,405 issued to Chandratillake
EX1215	Jain, *et al*., "Single molecule pull-down for studying protein interactions" https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3654178/
EX1216	Amplicon NGS battle begin in earnest - Enseqlopedia https://enseqlopedia.com/2011/10/amplicon-ngs-battles-begin-in-earnest/
EX1217	Biocompare Editorial Article, "Maximize Your NGS with Sequence Capture"
EX1218	Heitzer, *et al*., "Tumor-associated copy number changes in the circulation of patients with prostate cancer identified through whole-genome sequencing"
EX1219	Reserved
EX1220	[Redacted] Norton Deposition Transcript, Nov. 21, 2023
EX1221	[Redacted] MacQuitty Depo Transcript, Dec. 1, 2023
EX1222	[Redacted] West Depo Transcript, Dec. 8, 2023
EX1223	Furneaux Depo Transcript
EX1224	Reserved

Dated: March 15, 2024

Respectfully submitted,

/*Andrew E. Krause*/
Andrew E. Krause, Reg. No. 76,276
Abigail Sellers, (Reg. 80,391)
Alan J. Heinrich (*pro hac vice*)
IRELL & MANELLA LLP
1800 Avenue of the Stars, Ste. 900
Los Angeles, CA 90067
(310) 203-7668
akrause@irell.com

Amir Naini, Reg. No. 45,770
NAINI P.C.
2632 Wilshire Blvd., Suite 268
Santa Monica, CA 90403
(310) 592-3030
amir@nainipc.com

Attorneys for Petitioner
Foresight Diagnostics Inc.

CERTIFICATE OF SERVICE

I hereby certify, pursuant to 37 C.F.R. section 42.6, that on March 15, 2024, a complete copy of the foregoing document **PETITIONER'S UPDATED EXHIBIT LIST** and **EX1081** (Petitioner's Oral Hearing Demonstratives) were served upon the following, by ELECTRONIC MAIL:

WEIL, GOTSHAL & MANGES LLP

Derek C. Walter, Reg. No. 74,656
Derek.walter@weil.com

Adrian Percer, Reg. No. 46,986
Adrian.percer@weil.com

Personalis.Foresight@weil.com

Nathanel Luman, Reg. No. 63,160
2nrl@knobbe.com
BoxPersonalis394@knobbe.com

/Susan M. Langworthy/
Susan M. Langworthy