

**UNITED STATES PATENT AND TRADEMARK OFFICE**  
**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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FORESIGHT DIAGNOSTICS INC.,  
Petitioner,

v.

PERSONALIS, INC.,  
Patent Owner.

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IPR2023-00317  
U.S. Patent No. 11,408,033

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**DECLARATION OF JOHN QUACKENBUSH, PH.D. IN SUPPORT OF  
PETITIONER FOR *INTER PARTES* REVIEW**

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a) “producing, with the aid of a computer processor, a plurality of capture probes, wherein said plurality of capture probes hybridize to a plurality of polymorphisms, wherein said plurality of polymorphisms are in sequences encoding genes with known biomedically interpretable variants, and wherein said plurality of polymorphisms are based on or extracted from one or more databases of polymorphisms and are observed in a population of one or more samples”.....	64

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a) “producing, with the aid of a computer processor, a plurality of capture probes, wherein said plurality of capture probes hybridize to a plurality of polymorphisms, wherein said plurality of polymorphisms are in sequences encoding genes with known biomedically interpretable variants, and wherein said plurality of polymorphisms are	

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