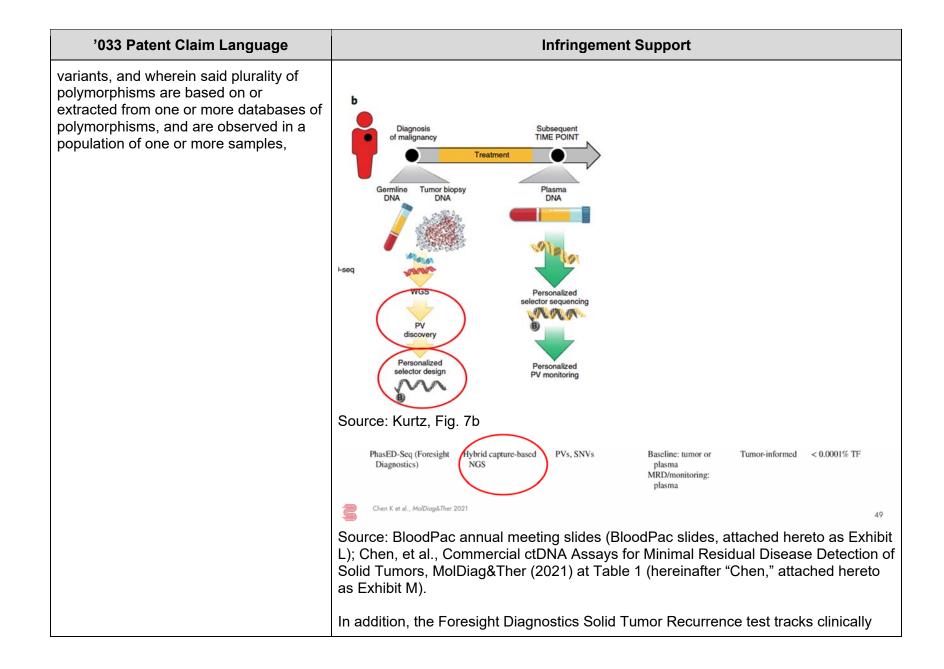
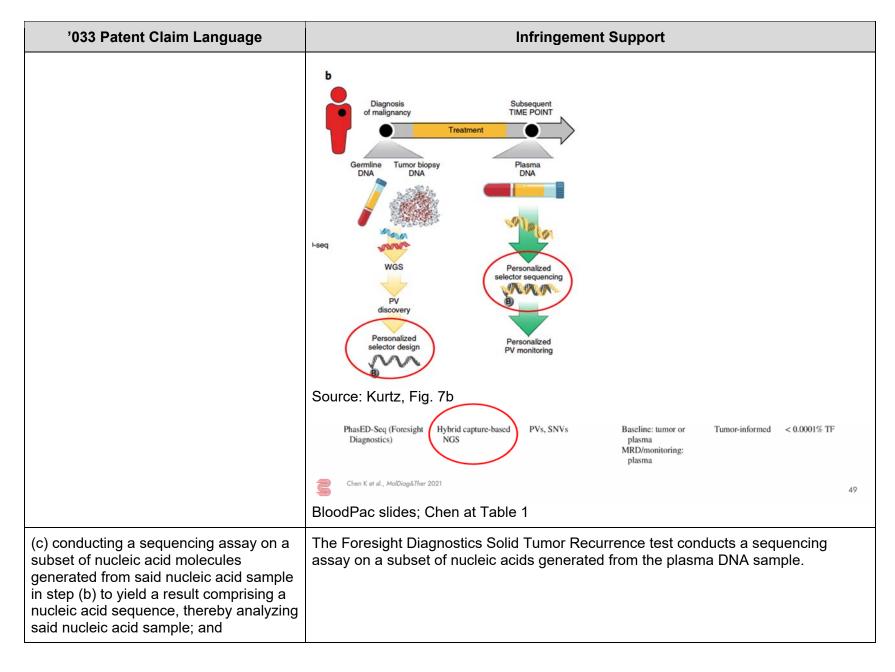
## **EXHIBIT O**

## Infringement Of U.S. Patent No. 11,408,033 Patent By Foresight's Solid Tumor Recurrence Test

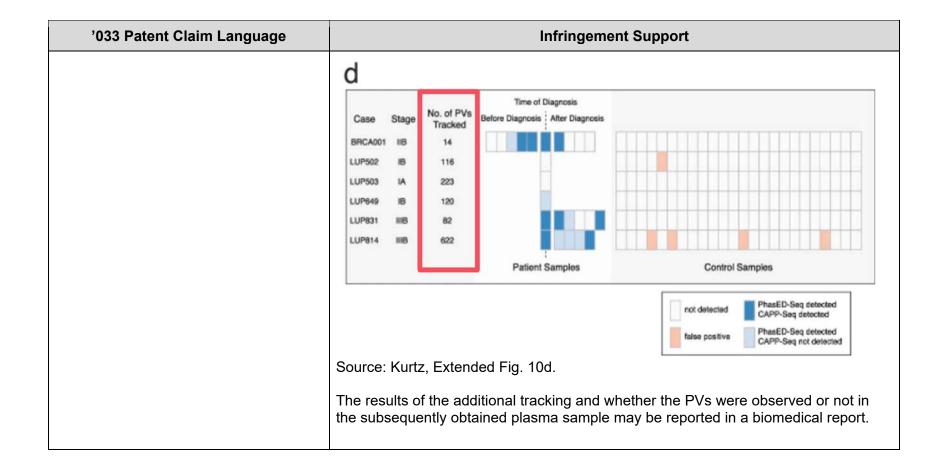
'033 Patent Claim Language	Infringement Support
1. A method for analyzing a nucleic acid sample obtained from an individual, comprising:	The Foresight Diagnostics Solid Tumor Recurrence Test performs a method for analyzing a nucleic acid sample obtained from an individual.
	Solid Tumors >
	Our <b>Solid Tumor Recurrence Test</b> is personalized based on patient-specific phased variants that are identified with whole-genome sequencing. It offers the same degree of sensitivity as our Lymphoma Recurrence Test and the ability to track oncogenic and clinically relevant SNVs in addition to other tumor-specific phased variants.  More About <b>Solid Tumor Recurrence Test</b>
	Source: https://foresight-dx.com/partnership
(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	The Foresight Diagnostics Solid Tumor Recurrence test utilizes computer processors to produce capture probes hybridized to polymorphisms. The test sequences both tumor and germline DNA (to provide a reference) in order to identify phased variants that are present in the tumor sample. The polymorphisms are in sequences encoding genes with known biomedically interpretable variants, and are extracted from a database of polymorphisms obtained from the patient, and are observed in a population of one sample previously taken from the patient.



'033 Patent Claim Language	Infringement Support
	relevant polymorphisms that are in genes with known biomedically interpretable variants, 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:
	Solid Tumors >
	Our <b>Solid Tumor Recurrence Test</b> is personalized based on patient-specific phased variants that are identified with whole-genome sequencing. It offers the same degree of sensitivity as our Lymphoma Recurrence Test and the ability to track oncogenic and clinically relevant SNVs in addition to other tumor-specific phased variants.
	More About Solid Tumor Recurrence Test
	Source: https://foresight-dx.com/partnership
(b) contacting said nucleic acid sample with said plurality of capture probes produced in (a)	The method of conducting the Foresight Diagnostics Solid Tumor Recurrence test involves contacting nucleic acid samples with capture probes.

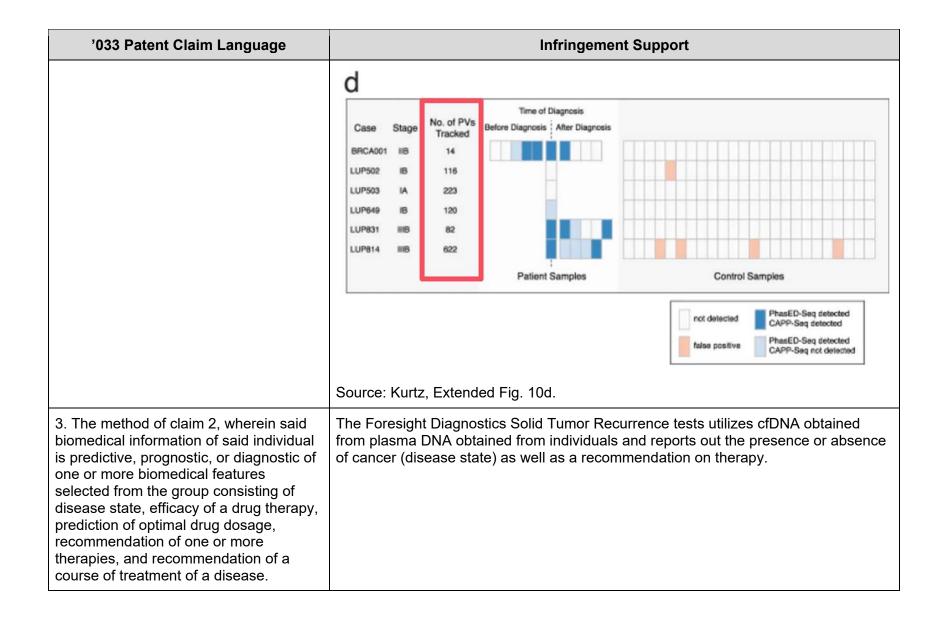


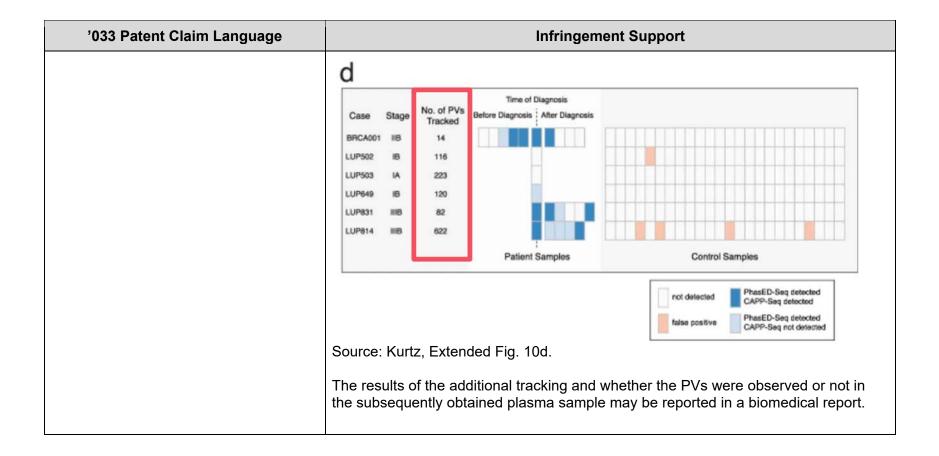
'033 Patent Claim Language	Infringement Support
	Diagnosis of malignancy  Treatme it  Germline Tumor biopsy DNA  DNA  Plasma DNA  Personalized selector sequencing selector design  Personalized PV monitoring  Source: Kurtz, Fig. 7b
(d) repeating steps (b)-(c) on a subsequently obtained biological sample from said individual.	The Foresight Diagnostics Solid Tumor Recurrence test repeats the sequencing assay performed multiple times over time. For example, Kurtz at Extended Fig. 10d shows the tracking and identification of the presence or absence of the PVs in subsequently obtained samples.

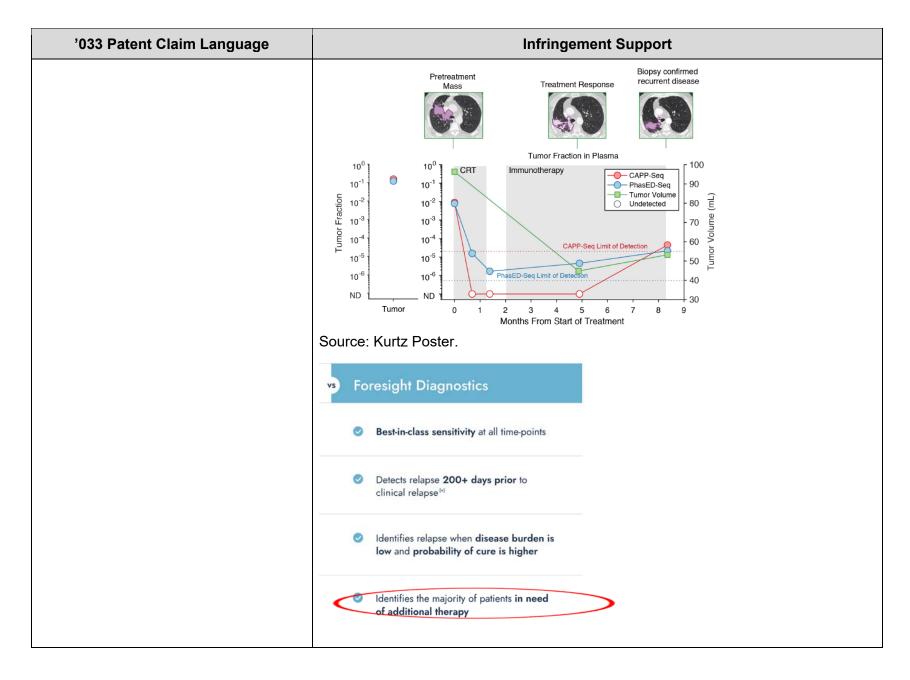


'033 Patent Claim Language	Infringement Support
	Pretreatment Mass  Treatment Response  Tumor Fraction in Plasma  Tumor Volume  Undetected  Tumor Volume  Undetected  Fraction in Plasma  To plast D-Seq Limit of Detection  To personalized minimal residual disease detection in localized non-small cell lung cancer, David M. Kurtz, et al. (hereinafter "Kurtz Poster," attached hereto as Exhibit K).  Additionally, the Foresight website indicates the use of time-based reporting and monitoring:

'033 Patent Claim Language	Infringement Support
	vs Foresight Diagnostics
	Best-in-class sensitivity at all time-points
	Detects relapse 200+ days prior to clinical relapse (1-)
	Identifies relapse when disease burden is low and probability of cure is higher
	Identifies the majorny of patients in need of additional therapy
	Source: https://foresight-dx.com/technology
2. The method of claim 1, further comprising, subsequent to (c), generating a biomedical report that includes biomedical information of said individual, which biomedical information is indicative of said result.	The Foresight Diagnostics Solid Tumor Recurrence test generates a biomedical report that includes biomedical information, including whether the polymorphisms identified in the prior sequencing of the plasma samples is or is not present. For example, Kurtz shows in Extended Fig. 10d whether the tracked polymorphisms were detected or not detected in the subsequently analyzed plasma samples from additional time points.

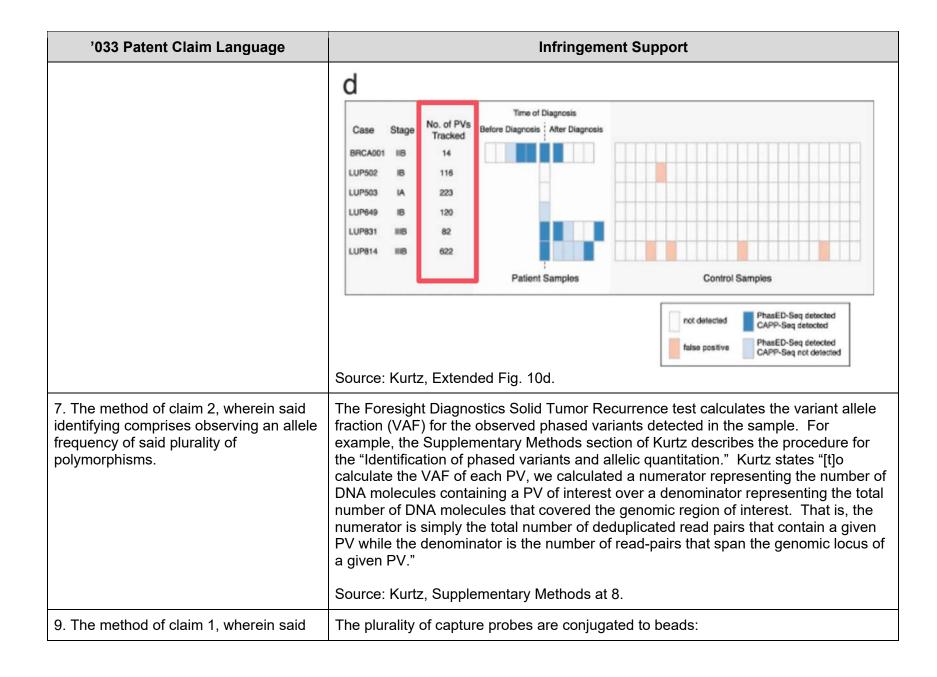






'033 Patent Claim Language	Infringement Support
	Source: https://foresight-dx.com/technology
4. The method of claim 1, wherein said plurality of polymorphisms comprise one or more insertions, deletions, structural variant junctions, variable length tandem repeats, single nucleotide mutations, or a combination thereof.	The Foresight Diagnostics Solid Tumor Recurrence test tracks single nucleotide mutations.  Solid Tumors
	Our Solid Tumor Recurrence Test is personalized based on patient-specific phased variants that are identified with whole-genome sequencing. It offers the same degree of sensitivity as our Lymphoma Recurrence Test and the ability to track oncogenic and clinically relevant SNVs in addition to other tumor-specific phased variants.  More About Solid Tumor Recurrence Test  Source: https://foresight-dx.com/partnership
5. The method of claim 1, wherein said sequences encoding genes with known biomedically interpretable variants comprise a plurality of sequences encoding genes associated with cancer.	The Foresight Diagnostics Solid Tumor Recurrence test tracks single nucleotide mutations that are in genes with known biomedically interpretable variants, specifically, oncogenic and clinically relevant SNVs.

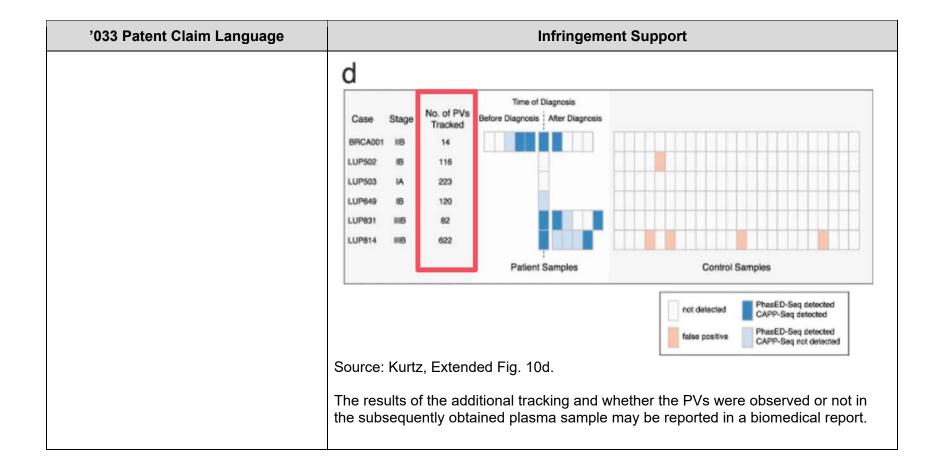
'033 Patent Claim Language	Infringement Support
	Solid Tumors >
	Our <b>Solid Tumor Recurrence Test</b> is personalized based on patient-specific
	phased variants that are identified with whole-genome sequencing. It offers the same degree of sensitivity as our Lymphoma Recurrence Test and the ability to
	track oncogenic and clinically relevant SNVs in addition to other tumor-specific phased variants.  More About Solid Tumor Recurrence Test
	Source: https://foresight-dx.com/partnership
6. The method of claim 1, further comprising identifying the presence or absence of said plurality of polymorphisms in said nucleic acid sample.	The Foresight Diagnostics Solid Tumor Recurrence test issues a report regarding the identification the presence or absence of the detected PVs in the second nucleic acid sample obtained from plasma. For example, Kurtz at Extended Fig. 10d shows the tracking and identification of the presence or absence of the PVs in subsequently obtained samples.



'033 Patent Claim Language	Infringement Support
plurality of capture probes are conjugated to beads.	Diagnosis of malignancy Treatment  Treatment  DNA  DNA  Personalized selector design  Personalized selector design  Source: Kurtz, Fig. 7b
11. The method of claim 1, wherein said nucleic acid sample obtained from said individual is from a body fluid, cell, skin, tissue, organ, or combination thereof.	The Foresight Diagnostics Solid Tumor Recurrence tests utilizes samples isolated from an individual's germline DNA, tumor biopsy DNA, and plasma DNA.

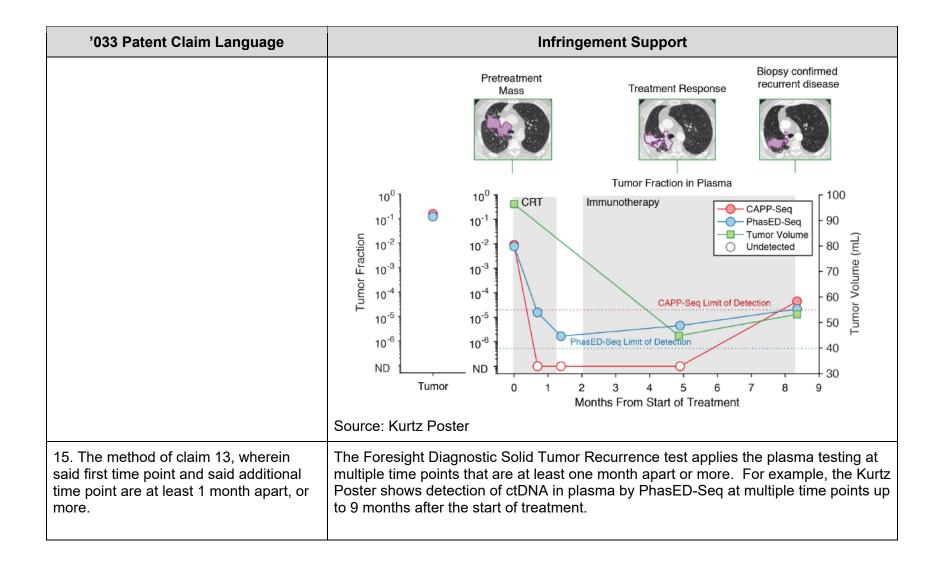
'033 Patent Claim Language	Infringement Support
	Diagnosis of malignancy Treatment  Plasma DNA  Personalized selector sequencing Pv discovery  Personalized selector design  Personalized Pv monitoring  Source: Kurtz, Fig. 7b
12. The method of claim 11, wherein said body fluid is blood plasma.	The Foresight Diagnostics Solid Tumor Recurrence tests utilizes samples isolated from an individual's germline DNA, tumor biopsy DNA, and plasma DNA.

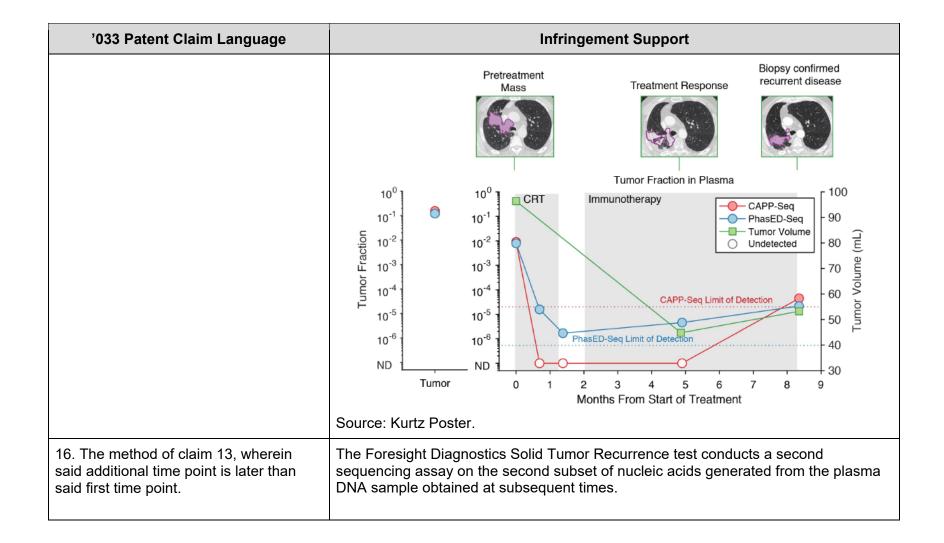
'033 Patent Claim Language	Infringement Support
	Diagnosis of malignancy Treatment  Treatment  Plasma DNA  Personalized selector sequencing PV discovery  Personalized selector design Personalized selector design Promittoring  Source: Kurtz, Fig. 7b
13. The method of claim 12, wherein said plasma sample is obtained from said individual at a first time point, and further comprising, subsequent to (c), using said capture probes to generate an additional subset of nucleic acid molecules from an additional nucleic acid sample isolated from an additional plasma sample obtained from said individual at an additional time point different from said first time point.	The Foresight Diagnostics Solid Tumor Recurrence test repeats the sequencing assay performed multiple times over time. For example, Kurtz at Extended Fig. 10d shows the tracking and identification of the presence or absence of the PVs in subsequently obtained samples.

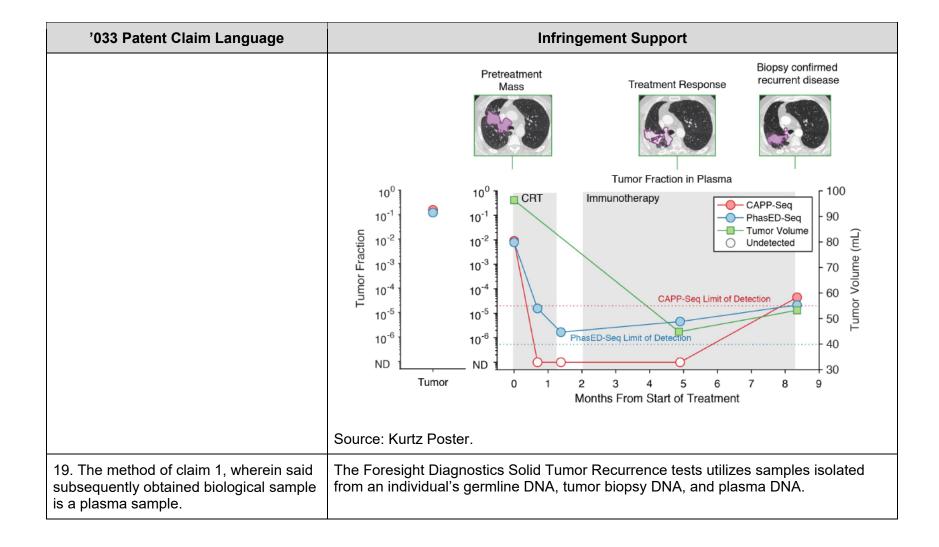


'033 Patent Claim Language	Infringement Support
Source person cancer (K).	Pretreatment Mass Treatment Response Tumor Fraction in Plasma Tumor Volume Tumor Vo

'033 Patent Claim Language	Infringement Support
	vs Foresight Diagnostics
	Best-in-class sensitivity at all time-points
	Detects relapse <b>200+ days prior</b> to clinical relapse <sup>I-I</sup>
	Identifies relapse when disease burden is low and probability of cure is higher
	Identifies the majority of patients in need of additional therapy
	Source: https://foresight-dx.com/technology
14. The method of claim 13, wherein said first time point and said additional time point are at least 1 week apart, or more.	The Foresight Diagnostic Solid Tumor Recurrence test applies the plasma testing at multiple time points that are at least one week apart or more. For example, the Kurtz Poster shows detection of ctDNA in plasma by PhasED-Seq at multiple timepoints up to 9 months after the start of treatment.





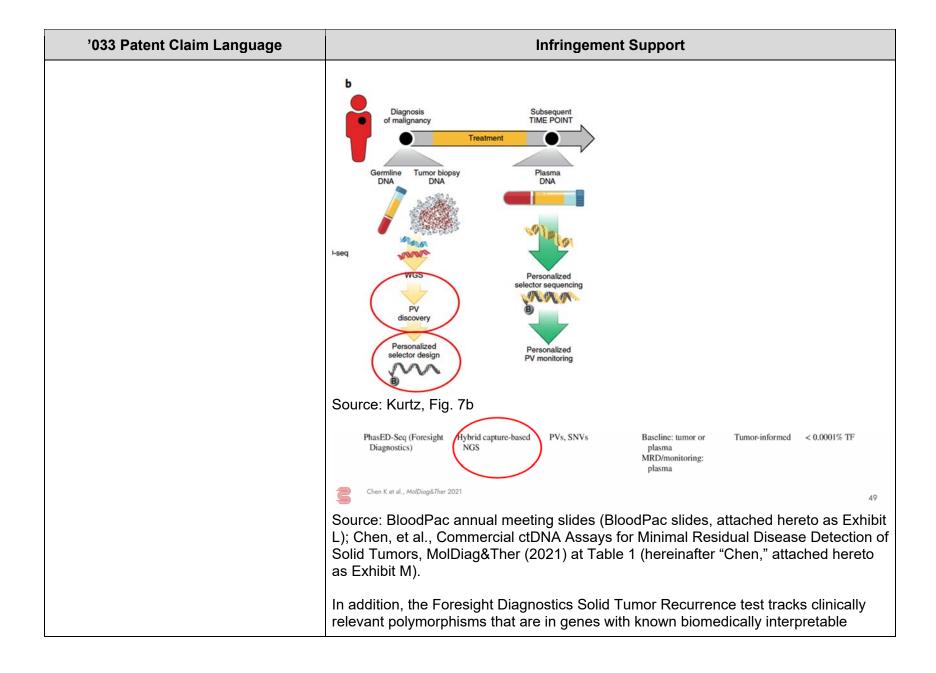


'033 Patent Claim Language	Infringement Support
	Diagnosis of malignancy  Treatment  Treatment  Plasma DNA  Personalized selector sequencing  Py discovery  Personalized selector design  Source: Kurtz, Fig. 7b
21. The method of claim 1, wherein said one or more databases of polymorphisms comprises a biomedical database.	The database of polymorphisms used in the Foresight Diagnostics Solid Tumor Recurrence test is biomedical database:

'033 Patent Claim Language	Infringement Support
	Diagnosis of malignancy  Treatment  Plasma DNA  Personalized selector sequencing Personalized selector design Promotoring  Personalized

'033 Patent Claim Language	Infringement Support
	Solid Tumors >
	Our <b>Solid Tumor Recurrence Test</b> is personalized based on patient-specific phased variants that are identified with whole-genome sequencing. It offers the same degree of sensitivity as our Lymphoma Recurrence Test and the ability to track oncogenic and clinically relevant SNVs in addition to other tumor-specific phased variants.
	More About Solid Tumor Recurrence Test  Source: https://foresight-dx.com/partnership
22. The method of claim 1, wherein said one or more polymorphisms are observed in a population of a single sample.	The polymorphisms in the Foresight Diagnostics Solid Tumor Recurrence test are observed in a population of a single sample:

'033 Patent Claim Language	Infringement Support
	Diagnosis of malignancy  Treatment  Treatment  Plasma DNA  DNA  Presonalized selector sequencing  Personalized selector design  Personalized Pv monitoring  Source: Kurtz, Fig. 7b
23. The method of claim 1, wherein said plurality of polymorphisms are based on or extracted from said one or more databases of polymorphisms and observed in said population, wherein said population comprises a plurality of samples	The polymorphisms in the Foresight Diagnostics Solid Tumor Recurrence test are based on or extracted from databases of polymorphisms and observed in a population of a plurality of samples:



'033 Patent Claim Language	Infringement Support
	variants, 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:
	Solid Tumors >
	Our <b>Solid Tumor Recurrence Test</b> is personalized based on patient-specific phased variants that are identified with whole-genome sequencing. It offers the same degree of sensitivity as our Lymphoma Recurrence Test and the ability to
	track oncogenic and clinically relevant SNVs in addition to other tumor-specific phased variants.
	More About Solid Tumor Recurrence Test
	Source: https://foresight-dx.com/partnership