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Date: 18 Aug 2022 1 of 3

Sample Information

Patient Name: 魏杏娟 Gender: Female ID No.: A203562457 History No.: 22819938

Age: 66

Ordering Doctor: DOC2392C 蘇宣宇 Ordering REQ.: 0BYJTKT Signing in Date: 2022/08/18

Path No.: S111-97838 **MP No.:** BR22048

Assay: Oncomine BRCA1/2 Assay

Sample Type: Blood

Date of blood drawing: 2022/08/03

Reporting Doctor: DOC5424G 彭昱璟 (Phone: 8#5424)

Note:

Sample Cancer Type: Breast Cancer

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Relevant Biomarkers

No clinically significant biomarkers found in this sample.

Variant Details

DNA Sequence Variants

Amino Acid Change	Coding	Locus	Allele Frequency	Transcript	Variant Effect	ClinVar1	Coverage
p.(?)	c26G>A	chr13:32890572	49.06%	NM_000059.3	unknown	Benign	3973
p.(N289H)	c.865A>C	chr13:32906480	48.58%	NM_000059.3	missense	Benign	1931
p.(S455=)	c.1365A>G	chr13:32906980	48.87%	NM_000059.3	synonymous	Benign	3998
p.(H743=)	c.2229T>C	chr13:32910721	48.07%	NM_000059.3	synonymous	Benign	3990
p.(N991D)	c.2971A>G	chr13:32911463	47.61%	NM_000059.3	missense	Benign	565
p.(K1132=)	c.3396A>G	chr13:32911888	48.66%	NM_000059.3	synonymous	Benign	3915
p.(L1521=)	c.4563A>G	chr13:32913055	99.87%	NM_000059.3	synonymous	Benign	3194
	p.(?) p.(N289H) p.(S455=) p.(H743=) p.(N991D) p.(K1132=)	p.(?) c26G>A p.(N289H) c.865A>C p.(S455=) c.1365A>G p.(H743=) c.2229T>C p.(N991D) c.2971A>G p.(K1132=) c.3396A>G	p.(?) c26G>A chr13:32890572 p.(N289H) c.865A>C chr13:32906480 p.(S455=) c.1365A>G chr13:32906980 p.(H743=) c.2229T>C chr13:32910721 p.(N991D) c.2971A>G chr13:32911463 p.(K1132=) c.3396A>G chr13:32911888	Amino Acid ChangeCodingLocusFrequencyp.(?)c26G>Achr13:3289057249.06%p.(N289H)c.865A>Cchr13:3290648048.58%p.(S455=)c.1365A>Gchr13:3290698048.87%p.(H743=)c.2229T>Cchr13:3291072148.07%p.(N991D)c.2971A>Gchr13:3291146347.61%p.(K1132=)c.3396A>Gchr13:3291188848.66%	Amino Acid ChangeCodingLocusFrequencyTranscriptp.(?)c26G>Achr13:3289057249.06%NM_000059.3p.(N289H)c.865A>Cchr13:3290648048.58%NM_000059.3p.(S455=)c.1365A>Gchr13:3290698048.87%NM_000059.3p.(H743=)c.2229T>Cchr13:3291072148.07%NM_000059.3p.(N991D)c.2971A>Gchr13:3291146347.61%NM_000059.3p.(K1132=)c.3396A>Gchr13:3291188848.66%NM_000059.3	Amino Acid ChangeCodingLocusFrequencyTranscriptVariant Effectp.(?)c26G>Achr13:3289057249.06%NM_000059.3unknownp.(N289H)c.865A>Cchr13:3290648048.58%NM_000059.3missensep.(S455=)c.1365A>Gchr13:3290698048.87%NM_000059.3synonymousp.(H743=)c.2229T>Cchr13:3291072148.07%NM_000059.3synonymousp.(N991D)c.2971A>Gchr13:3291146347.61%NM_000059.3missensep.(K1132=)c.3396A>Gchr13:3291188848.66%NM_000059.3synonymous	Amino Acid Change Coding Locus Frequency Transcript Variant Effect ClinVar1 p.(?) c26G>A chr13:32890572 49.06% NM_000059.3 unknown Benign p.(N289H) c.865A>C chr13:32906480 48.58% NM_000059.3 missense Benign p.(S455=) c.1365A>G chr13:32906980 48.87% NM_000059.3 synonymous Benign p.(H743=) c.2229T>C chr13:32910721 48.07% NM_000059.3 synonymous Benign p.(N991D) c.2971A>G chr13:32911463 47.61% NM_000059.3 synonymous Benign p.(K1132=) c.3396A>G chr13:32911888 48.66% NM_000059.3 synonymous Benign

¹ Based on Clinvar version 20200329

Variant Details (continued)

DNA Sequence Variants (continued)

				Allele				
Gene	Amino Acid Change	Coding	Locus	Frequency	Transcript	Variant Effect	ClinVar ¹	Coverage
BRCA2	p.(V2171=)	c.6513G>C	chr13:32915005	99.66%	NM_000059.3	synonymous	Benign	2361
BRCA2	p.(S2414=)	c.7242A>G	chr13:32929232	47.94%	NM_000059.3	synonymous	Benign	3502
BRCA2	p.(V2466A)	c.7397T>C	chr13:32929387	99.45%	NM_000059.3	missense	Benign	3985

¹ Based on Clinvar version 20200329

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Signatures

Testing Personnel:

Laboratory Supervisor:

Pathologist: