Taipei Veterans General Hospital

Department of Pathology and Laboratory Medicine
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**Date:** 29 Dec 2021          1 of 3

## Sample Information

**Patient Name:** 陸茜
**Gender:** Female
**ID No.:** A290170669
**History No.:** 41112849
**Age:** 47

**Ordering Doctor:** DOC2504C 黃麒翰
**Ordering REQ.:** 0BQHZCA
**Signing in Date:** 2021/12/29

**Path No.:** S110-94999
**MP No.:** BR21062
**Assay:** Oncomine BRCA Assay
**Sample Type:** Blood
**Date of blood drawing:** 2021/12/24

**Reporting Doctor:** DOC5452C 周德盈 (Phone: 8#5452)

**Note:**

## Sample Cancer Type: Breast Cancer

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**Report Highlights**
0 Therapies Available
0 Clinical Trials

## Relevant Biomarkers

No clinically significant biomarkers found in this sample.

## Variant Details

### DNA Sequence Variants

| Gene | Amino Acid Change | Coding | Locus | Allele Frequency | Transcript | Variant Effect | ClinVar[1] | Coverage |
|---|---|---|---|---|---|---|---|---|
| BRCA2 | p.(N372H) | c.1114A>C | chr13:32906729 | 49.59% | NM_000059.3 | missense | Benign | 3997 |
| BRCA2 | p.(V1269=) | c.3807T>C | chr13:32912299 | 49.57% | NM_000059.3 | synonymous | Benign | 2312 |
| BRCA2 | p.(L1521=) | c.4563A>G | chr13:32913055 | 99.93% | NM_000059.3 | synonymous | Benign | 2763 |
| BRCA2 | p.(V2109I) | c.6325G>A | chr13:32914817 | 48.11% | NM_000059.3 | missense | Conflicting interpretations of pathogenicity | 3991 |
| BRCA2 | p.(V2171=) | c.6513G>C | chr13:32915005 | 99.95% | NM_000059.3 | synonymous | Benign | 3997 |
| BRCA2 | p.(V2466A) | c.7397T>C | chr13:32929387 | 99.87% | NM_000059.3 | missense | Benign | 3998 |

[1] Based on Clinvar version 20200329

## Variant Details (continued)

### DNA Sequence Variants (continued)

| Gene | Amino Acid Change | Coding | Locus | Allele Frequency | Transcript | Variant Effect | ClinVar[1] | Coverage |
|------|-------------------|--------|-------|------------------|------------|----------------|------------|----------|
| BRCA1 | p.(S1613G) | c.4837A>G | chr17:41223094 | 49.70% | NM_007294.4 | missense | Benign | 3986 |
| BRCA1 | p.(S1436=) | c.4308T>C | chr17:41234470 | 47.60% | NM_007294.4 | synonymous | Benign | 4000 |
| BRCA1 | p.(K1183R) | c.3548A>G | chr17:41244000 | 50.44% | NM_007294.4 | missense | Benign | 3999 |
| BRCA1 | p.(E1038G) | c.3113A>G | chr17:41244435 | 50.08% | NM_007294.4 | missense | Benign | 4000 |
| BRCA1 | p.(P871L) | c.2612C>T | chr17:41244936 | 49.26% | NM_007294.4 | missense | Benign | 3999 |
| BRCA1 | p.(L771=) | c.2311T>C | chr17:41245237 | 51.29% | NM_007294.4 | synonymous | Benign | 3997 |
| BRCA1 | p.(S694=) | c.2082C>T | chr17:41245466 | 49.36% | NM_007294.4 | synonymous | Benign | 3999 |

[1] Based on Clinvar version 20200329

# Signatures

**Testing Personnel:**

**Laboratory Supervisor:**

**Pathologist:**