Taipei Veterans General Hospital

Department of Pathology and Laboratory Medicine
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## Sample Information

**Patient Name:** 鄭雁庭
**Gender:** Female
**ID No.:** F227647818
**History No.:** 49679687
**Age:** 34

**Ordering Doctor:** DOC2327J 陳柏方
**Ordering REQ.:** 0CSVYJV
**Signing in Date:** 2023/11/02

**Path No.:** M112-00281
**MP No.:** BR23080
**Assay:** Oncomine BRCA1/2 Assay
**Sample Type:** Blood
**Date of blood drawing:** 2023/10/30

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

**Note:**

## Sample Cancer Type: Breast Cancer



### Report Highlights

0 Therapies Available
0 Clinical Trials

## Relevant Breast Cancer Variants

| Gene | Finding |
|---|---|
| BRCA1 | None detected |
| BRCA2 | None detected |

## 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.(?) | c.-26G>A | chr13:32890572 | 50.73% | NM_000059.3 | unknown | Benign | 3998 |
| BRCA2 | p.(N289H) | c.865A>C | chr13:32906480 | 48.93% | NM_000059.3 | missense | Benign | 1594 |

[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 |
|---|---|---|---|---|---|---|---|---|
| BRCA2 | p.(S455=) | c.1365A>G | chr13:32906980 | 44.30% | NM_000059.3 | synonymous | Benign | 4000 |
| BRCA2 | p.(H743=) | c.2229T>C | chr13:32910721 | 51.92% | NM_000059.3 | synonymous | Benign | 4000 |
| BRCA2 | p.(N991D) | c.2971A>G | chr13:32911463 | 51.41% | NM_000059.3 | missense | Benign | 1741 |
| BRCA2 | p.(K1132=) | c.3396A>G | chr13:32911888 | 51.24% | NM_000059.3 | synonymous | Benign | 3997 |
| BRCA2 | p.(L1521=) | c.4563A>G | chr13:32913055 | 99.85% | NM_000059.3 | synonymous | Benign | 2663 |
| BRCA2 | p.(V2171=) | c.6513G>C | chr13:32915005 | 100.00% | NM_000059.3 | synonymous | Benign | 4000 |
| BRCA2 | p.(S2414=) | c.7242A>G | chr13:32929232 | 48.72% | NM_000059.3 | synonymous | Benign | 3126 |
| BRCA2 | p.(V2466A) | c.7397T>C | chr13:32929387 | 99.85% | NM_000059.3 | missense | Benign | 2581 |
| BRCA1 | p.(S1613G) | c.4837A>G | chr17:41223094 | 99.95% | NM_007294.4 | missense | Benign | 3998 |
| BRCA1 | p.(S1436=) | c.4308T>C | chr17:41234470 | 99.78% | NM_007294.4 | synonymous | Benign | 4000 |
| BRCA1 | p.(K1183R) | c.3548A>G | chr17:41244000 | 99.80% | NM_007294.4 | missense | Benign | 3999 |
| BRCA1 | p.(E1038G) | c.3113A>G | chr17:41244435 | 99.40% | NM_007294.4 | missense | Benign | 3997 |
| BRCA1 | p.(P871L) | c.2612C>T | chr17:41244936 | 99.82% | NM_007294.4 | missense | Benign | 3996 |
| BRCA1 | p.(L771=) | c.2311T>C | chr17:41245237 | 99.92% | NM_007294.4 | synonymous | Benign | 2624 |
| BRCA1 | p.(S694=) | c.2082C>T | chr17:41245466 | 99.77% | NM_007294.4 | synonymous | Benign | 3993 |

[1] Based on Clinvar version 20200329