

Illumina NGS TST170 Panel 43 of 170

Date sample sent: 2019-10-26

Date sample received: 2019-10-26

| Gene num | Gene name | Scope of test | Test result | Test report | Test status | Comments |
|----------|-----------|------------------------|-------------------------------|----------------------------|-------------|---|
| 15 | AKT1 | Exons 3-15 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 4 | ALK | Exons 1-29 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 1 | BRAF | Exons1-18 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 16 | CCND1 | Exons1-5 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 38 | CCND2 | Exons1-5 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 39 | CCND3 | Exons1-5 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 40 | CCNE1 | Exons2-11 | c.5435, c.430923, c.54353 A>C | Tier 5 variants everywhere | 1 | These results are intended for research purposes. |
| 17 | CDK4 | Exons2-7 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 18 | CDKN2A | Exons1-3 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 13 | EGFR | Exons1-28 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 23 | ERBB2 | Exons1-27 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 21 | FGFR2 | Exons2-18 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 22 | FGFR3 | Exons2-18 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 37 | HRAS | Exons2-5 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 14 | KRAS | Exons2-5 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 26 | MET | Exons2-21 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 27 | NF1 | Exons1-18,19, 20,22-58 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 10 | NRAS | Exons2-5 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 42 | NTRK1 | Exons1-17 | Placeholder | Placeholder | 3 | These results are intended for research purposes. |
| 5 | PIK3CA | Exons2-21 | No variant detected | High confidence | 1 | These results are intended for research purposes. |

| | | | | | | |
|----|---------|-----------|---------------------|----------------------|---|---|
| 6 | PTEN | Exons1-9 | Var1 C>G | Tier 3 PTEN variant | 1 | These results are intended for research purposes. |
| 30 | RB1 | Exons1-27 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 31 | RET | Exons1-20 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 32 | ROS1 | Exons1-43 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 34 | STK11 | Exons1-9 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 35 | TSC1 | Exons3-23 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 36 | TSC2 | Exons2-42 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 58 | ARID1A | Exons1-20 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 45 | ATM | Exons2-63 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 49 | BARD1 | Exons1-11 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 43 | BRCA1 | Exons2-23 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 44 | BRCA2 | Exons2-26 | Var4 A>T | Tier 1 BRCA2 variant | 1 | These results are intended for research purposes. |
| 46 | BRIP1 | Exons2-20 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 50 | CDK12 | Exons1-14 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 51 | CHEK1 | Exons2-13 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 52 | CHEK2 | Exons2-15 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 53 | FANCL | Exons1-14 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 47 | PALB2 | Exons1-13 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 54 | PPP2R2A | Exons1-10 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 55 | RAD51B | Exons2-11 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 48 | RAD51C | Exons1-9 | No variant detected | High confidence | 1 | These results are intended for research purposes. additional comment test. |
| 56 | RAD51D | Exons1-10 | No variant detected | High confidence | 1 | These results are intended for research purposes. |
| 57 | RAD54L | Exons1-18 | No variant detected | High confidence | 1 | These results are intended for research purposes. |

Number of failed genes: 1

| | | Date |
|------------|-----|------------|
| Checker 1 | SS | 01/02/2019 |
| Checker 2 | vc | 02/03/2019 |
| Authorised | mjm | 18/11/2019 |