**Table S5** Sequencing

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SMP\_ID** | **Gene** | **VAR\_TYPE** | **Reference sequence** | **DNA\_CHANGE** | **AA\_CHANGE** | **VAF** | **REPORT\_OR\_VUS** | **DRUG** | **GERMLINE** | **VAR\_TYPE** | **VAR\_TYPE\_SX** | **COVERAGE** | **TMB** |
| **Sequencing for pure SCLC** | | | |  |  |  |  |  |  |  |  |  |  |
| R18K5826R1H1 | FAT1 | Deletion | NM\_005245 | Deletion | - | - | report | null | - | CNV | Gene Homozygous Deletion | - | 15.4 |
| R18K5826R1H1 | NKX2-1 | Amplification | NM\_003317 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 15.4 |
| R18K5826R1H1 | SDHA | Amplification | NM\_004168 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 15.4 |
| R18K5826R1H1 | TERT | Amplification | NM\_198253 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 15.4 |
| R18K5826R1H1 | TP53 | Nonsense | NM\_000546 | c.955A>T | p.K319\* | .878 | report | null | - | SNV | Truncation | 139 | 15.4 |
| R18K5826R1H1 | LRP2 | Missense | NM\_004525 | c.9264C>G | p.I3088M | .507 | reportVous | null | - | SNV | Substitution/Indel | 296 | 15.4 |
| R18K5826R1H1 | SPTA1 | Frameshift | NM\_003126 | c.5836del | p.D1946Ifs\*6 | .277 | reportVous | null | - | SNV | Truncation | 267 | 15.4 |
| R18K5826R1H1 | PRKDC | Missense | NM\_006904 | c.5065G>T | p.G1689C | .409 | reportVous | null | - | SNV | Substitution/Indel | 181 | 15.4 |
| R18K5826R1H1 | GRIN2A | Missense | NM\_000833 | c.4126C>T | p.R1376C | .381 | report | null | - | SNV | Substitution/Indel | 176 | 15.4 |
| R18K5826R1H1 | FGF12 | Missense | NM\_004113 | c.320C>T | p.S107L | .357 | reportVous | null | - | SNV | Substitution/Indel | 241 | 15.4 |
| R18K5826R1H1 | NEK11 | Missense | NM\_024800 | c.279G>T | p.K93N | .383 | reportVous | null | - | SNV | Substitution/Indel | 193 | 15.4 |
| R18K5826R1H1 | EPHA5 | Missense | NM\_004439 | c.2723A>G | p.Y908C | .441 | reportVous | null | - | SNV | Substitution/Indel | 220 | 15.4 |
| R18K5826R1H1 | RB1 | Nonsense | NM\_000321 | c.1853C>A | p.S618\* | .862 | report | null | - | SNV | Truncation | 94 | 15.4 |
| R18K5826R1H1 | ARAF | Missense | NM\_001654 | c.1421C>T | p.A474V | .934 | reportVous | null | - | SNV | Substitution/Indel | 152 | 15.4 |
| R18K5825R1H1 | CDKN2A | Deletion | NM\_000077 | Deletion | - | - | report | null | - | CNV | Gene Homozygous Deletion | - | 4.6 |
| R18K5825R1H1 | CDKN2B | Deletion | NM\_004936 | Deletion | - | - | report | null | - | CNV | Gene Homozygous Deletion | - | 4.6 |
| R18K5825R1H1 | ADGRA2 | Amplification | NM\_032777 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 4.6 |
| R18K5825R1H1 | BMX | Amplification | NM\_001721 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 4.6 |
| R18K5825R1H1 | EGFR | Amplification | NM\_005228 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 4.6 |
| R18K5825R1H1 | FGFR1 | Amplification | NM\_023110 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 4.6 |
| R18K5825R1H1 | HSP90AA1 | Amplification | NM\_001017963 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 4.6 |
| R18K5825R1H1 | KRAS | Amplification | NM\_004985 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 4.6 |
| R18K5825R1H1 | PIK3CG | Amplification | NM\_001282427 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 4.6 |
| R18K5825R1H1 | PTK2 | Amplification | NM\_001199649 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 4.6 |
| R18K5825R1H1 | SOX9 | Amplification | NM\_000346 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 4.6 |
| R18K5825R1H1 | ZNF703 | Amplification | NM\_025069 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 4.6 |
| R18K5825R1H1 | SOX2 | Missense | NM\_003106 | c.879C>G | p.H293Q | .149 | reportVous | null | - | SNV | Substitution/Indel | 1409 | 4.6 |
| R18K5825R1H1 | LRP1B | Missense | NM\_018557 | c.7744G>T | p.D2582Y | .227 | reportVous | null | - | SNV | Substitution/Indel | 172 | 4.6 |
| R18K5825R1H1 | TP53 | Missense | NM\_000546 | c.730G>T | p.G244C | .489 | report | null | - | SNV | Substitution/Indel | 474 | 4.6 |
| R18K5825R1H1 | KMT2D | Frameshift | NM\_003482 | c.6794del | p.G2265Efs\*21 | .250 | report | null | - | SNV | Truncation | 2192 | 4.6 |
| R18K5825R1H1 | PIK3CG | Missense | NM\_001282426 | c.254C>A | p.A85E | .483 | report | null | - | SNV | Substitution/Indel | 1898 | 4.6 |
| R18K5825R1H1 | PRKCI | Nonsense | NM\_002740 | c.1207G>T | p.G403\* | .174 | reportVous | null | - | SNV | Truncation | 190 | 4.6 |
| R18K5824R1H1 | NKX2-1 | Amplification | NM\_003317 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 24.0 |
| R18K5824R1H1 | LRP1B | Missense | NM\_018557 | c.9526C>A | p.P3176T | .420 | report | null | - | SNV | Substitution/Indel | 138 | 24.0 |
| R18K5824R1H1 | NRG1 | Missense | NM\_001160002 | c.92A>G | p.Q31R | .435 | reportVous | null | - | SNV | Substitution/Indel | 970 | 24.0 |
| R18K5824R1H1 | PIK3C2B | Missense | NM\_002646 | c.914G>A | p.R305H | .396 | report | null | - | SNV | Substitution/Indel | 816 | 24.0 |
| R18K5824R1H1 | EPHA2 | Missense | NM\_004431 | c.853G>A | p.A285T | .389 | reportVous | null | - | SNV | Substitution/Indel | 375 | 24.0 |
| R18K5824R1H1 | BRCA2 | Missense | NM\_000059 | c.8279G>T | p.G2760V | .435 | reportVous | null | - | SNV | Substitution/Indel | 168 | 24.0 |
| R18K5824R1H1 | HSD3B1 | Missense | NM\_000862 | c.659C>A | p.T220N | .427 | reportVous | null | - | SNV | Substitution/Indel | 199 | 24.0 |
| R18K5824R1H1 | FGF14 | Missense | NM\_004115 | c.63G>T | p.W21C | .467 | reportVous | null | - | SNV | Substitution/Indel | 1299 | 24.0 |
| R18K5824R1H1 | NOTCH1 | Missense | NM\_017617 | c.5987C>A | p.T1996K | .424 | report | null | - | SNV | Substitution/Indel | 909 | 24.0 |
| R18K5824R1H1 | NOTCH3 | Missense | NM\_000435 | c.5835G>C | p.W1945C | .431 | reportVous | null | - | SNV | Substitution/Indel | 218 | 24.0 |
| R18K5824R1H1 | TBX3 | Missense | NM\_016569 | c.552G>C | p.M184I | .464 | reportVous | null | - | SNV | Substitution/Indel | 351 | 24.0 |
| R18K5824R1H1 | NOTCH1 | Nonsense | NM\_017617 | c.5524C>T | p.Q1842\* | .403 | report | null | - | SNV | Truncation | 824 | 24.0 |
| R18K5824R1H1 | NCOR1 | Missense | NM\_006311 | c.499G>T | p.D167Y | .084 | reportVous | null | - | SNV | Substitution/Indel | 214 | 24.0 |
| R18K5824R1H1 | NOTCH1 | Missense | NM\_017617 | c.4908G>T | p.E1636D | .447 | report | null | - | SNV | Substitution/Indel | 900 | 24.0 |
| R18K5824R1H1 | ARID1A | Missense | NM\_006015 | c.4829G>T | p.G1610V | .449 | reportVous | null | - | SNV | Substitution/Indel | 474 | 24.0 |
| R18K5824R1H1 | HNF1A | Missense | NM\_000545 | c.46C>G | p.L16V | .427 | report | null | - | SNV | Substitution/Indel | 738 | 24.0 |
| R18K5824R1H1 | TEK | Missense | NM\_000459 | c.405G>T | p.K135N | .404 | reportVous | null | - | SNV | Substitution/Indel | 146 | 24.0 |
| R18K5824R1H1 | DOT1L | Missense | NM\_032482 | c.3031C>T | p.R1011W | .452 | report | null | - | SNV | Substitution/Indel | 1107 | 24.0 |
| R18K5824R1H1 | NSD2 | Missense | NM\_133330 | c.2851G>T | p.V951F | .427 | reportVous | null | - | SNV | Substitution/Indel | 307 | 24.0 |
| R18K5824R1H1 | KMT2C | Missense | NM\_170606 | c.2503T>C | p.F835L | .074 | reportVous | null | - | SNV | Substitution/Indel | 406 | 24.0 |
| R18K5824R1H1 | NOTCH3 | Missense | NM\_000435 | c.2232G>T | p.R744S | .412 | reportVous | null | - | SNV | Substitution/Indel | 868 | 24.0 |
| R18K5824R1H1 | NTRK1 | Missense | NM\_001012331 | c.202C>A | p.L68M | .433 | reportVous | null | - | SNV | Substitution/Indel | 876 | 24.0 |
| R18K5824R1H1 | ALK | Missense | NM\_004304 | c.1533C>A | p.F511L | .381 | reportVous | null | - | SNV | Substitution/Indel | 281 | 24.0 |
| R18K5824R1H1 | DDR2 | Missense | NM\_001014796 | c.146C>G | p.S49C | .465 | reportVous | null | - | SNV | Substitution/Indel | 256 | 24.0 |
| R18K5824R1H1 | RB1 | Nonsense | NM\_000321 | c.1318G>T | p.E440\* | .797 | report | null | - | SNV | Truncation | 64 | 24.0 |
| R18K5824R1H1 | PRDM1 | Missense | NM\_001198 | c.1067C>A | p.P356H | .431 | reportVous | null | - | SNV | Substitution/Indel | 750 | 24.0 |
| R18K5824R1H1 | TP53 | Missense | NM\_000546 | c.1025G>C | p.R342P | .859 | report | null | - | SNV | Substitution/Indel | 220 | 24.0 |
| R18K5824R1H1 | EPHA3 | Missense | NM\_005233 | c.1012G>C | p.E338Q | .540 | report | null | - | SNV | Substitution/Indel | 137 | 24.0 |
| R18K5823R1H1 | GRM3 | Missense | NM\_000840 | c.757C>T | p.R253C | .097 | report | null | - | SNV | Substitution/Indel | 765 | 12.3 |
| R18K5823R1H1 | MAGI2 | Missense | NM\_012301 | c.651G>C | p.R217S | .081 | reportVous | null | - | SNV | Substitution/Indel | 223 | 12.3 |
| R18K5823R1H1 | LRP1 | Missense | NM\_002332 | c.6241C>G | p.L2081V | .126 | reportVous | null | - | SNV | Substitution/Indel | 588 | 12.3 |
| R18K5823R1H1 | CREBBP | Missense | NM\_004380 | c.4865A>G | p.Y1622C | .083 | report | null | - | SNV | Substitution/Indel | 638 | 12.3 |
| R18K5823R1H1 | TP53 | Nonsense | NM\_000546 | c.378C>G | p.Y126\* | .260 | report | null | - | SNV | Truncation | 508 | 12.3 |
| R18K5823R1H1 | CSK | Missense | NM\_004383 | c.34A>G | p.T12A | .133 | reportVous | null | - | SNV | Substitution/Indel | 839 | 12.3 |
| R18K5823R1H1 | TGFBR1 | Splicing Site | NM\_004612 | c.343+5G>C | - | .297 | reportVous | null | - | SNV | Substitution/Indel | 145 | 12.3 |
| R18K5823R1H1 | ERBB2 | Missense | NM\_004448 | c.2521C>T | p.L841F | .122 | report | null | - | SNV | Substitution/Indel | 679 | 12.3 |
| R18K5823R1H1 | SND1 | Missense | NM\_014390 | c.2227G>A | p.G743R | .106 | report | null | - | SNV | Substitution/Indel | 404 | 12.3 |
| R18K5823R1H1 | ZNF217 | Missense | NM\_006526 | c.1960A>G | p.S654G | .093 | reportVous | null | - | SNV | Substitution/Indel | 549 | 12.3 |
| R18K5823R1H1 | BIRC3 | Missense | NM\_001165 | c.1343G>T | p.R448L | .043 | report | null | - | SNV | Substitution/Indel | 234 | 12.3 |
| R18K5823R1H1 | FAT3 | Missense | NM\_001008781 | c.12437G>C | p.G4146A | .120 | reportVous | null | - | SNV | Substitution/Indel | 401 | 12.3 |
| R18K5823R1H1 | MAGI2 | Missense | NM\_012301 | c.1148C>A | p.A383E | .025 | report | null | - | SNV | Substitution/Indel | 317 | 12.3 |
| R18K5822R1H1 | CTNNA1 | Amplification | NM\_001903 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 10.1 |
| R18K5822R1H1 | FAM135B | Amplification | NM\_015912 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 10.1 |
| R18K5822R1H1 | NKX2-1 | Amplification | NM\_003317 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 10.1 |
| R18K5822R1H1 | PTK2 | Amplification | NM\_001199649 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 10.1 |
| R18K5822R1H1 | SND1 | Splicing Site | NM\_014390 | c.948-11T>G | - | .463 | reportVous | null | - | SNV | Substitution/Indel | 82 | 10.1 |
| R18K5822R1H1 | TP53 | Frameshift | NM\_000546 | C.734del | P.G245Afs\*2 | .385 | report | null | - | SNV | Truncation | 470 | 10.1 |
| R18K5822R1H1 | SMAD4 | Nonsense | NM\_005359 | c.725C>G | p.S242\* | .570 | report | null | - | SNV | Truncation | 86 | 10.1 |
| R18K5822R1H1 | LRP2 | Missense | NM\_004525 | c.6709C>T | p.R2237W | .429 | report | null | - | SNV | Substitution/Indel | 184 | 10.1 |
| R18K5822R1H1 | FAT4 | Missense | NM\_024582 | c.5735A>G | p.Y1912C | .353 | reportVous | null | - | SNV | Substitution/Indel | 51 | 10.1 |
| R18K5822R1H1 | NOTCH1 | Missense | NM\_017617 | c.4077C>A | p.N1359K | .452 | reportVous | null | - | SNV | Substitution/Indel | 889 | 10.1 |
| R18K5822R1H1 | IRS2 | Missense | NM\_003749 | c.3975C>G | p.F1325L | .333 | report | null | - | SNV | Substitution/Indel | 649 | 10.1 |
| R18K5822R1H1 | KMT2D | Frameshift | NM\_003482 | C.3318del | P.S1107Afs\*12 | .247 | report | null | - | SNV | Truncation | 760 | 10.1 |
| R18K5822R1H1 | APC | Nonsense | NM\_000038 | c.3253A>T | p.K1085\* | .806 | report | null | - | SNV | Truncation | 67 | 10.1 |
| R18K5822R1H1 | SPTA1 | Missense | NM\_003126 | c.2426T>C | p.I809T | .174 | reportVous | null | - | SNV | Substitution/Indel | 121 | 10.1 |
| R18K5822R1H1 | TNFAIP3 | Missense | NM\_006290 | c.1757C>G | p.A586G | .309 | report | null | - | SNV | Substitution/Indel | 547 | 10.1 |
| R18K5822R1H1 | SMAD4 | In\_Frame\_Indel | NM\_005359 | c.1659A>T | P.\*553Cext\*40 | .155 | reportVous | null | - | SNV | Truncation | 103 | 10.1 |
| R18K5822R1H1 | NTRK3 | Missense | NM\_002530 | c.1615G>A | p.V539M | .283 | report | null | - | SNV | Substitution/Indel | 212 | 10.1 |
| R18K5822R1H1 | TSC1 | Missense | NM\_000368 | c.1381G>A | p.G461R | .107 | report | null | - | SNV | Substitution/Indel | 187 | 10.1 |
| R18K5818R1H1 | DICER1 | Missense | NM\_177438 | c.845A>G | p.N282S | .475 | reportVous | null | - | SNV | Substitution/Indel | 118 | 1.5 |
| R18K5818R1H1 | EZH2 | Frameshift | NM\_004456 | c.1184del | p.G395Efs\*29 | .310 | reportVous | null | - | SNV | Truncation | 606 | 1.5 |
| R18K5816R1H1 | NKX2-1 | Amplification | NM\_003317 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 12.4 |
| R18K5816R1H1 | NRG1 | Missense | NM\_001322205 | c.866G>T | p.G289V | .456 | report | null | - | SNV | Substitution/Indel | 340 | 12.4 |
| R18K5816R1H1 | TP53 | Missense | NM\_000546 | c.747G>T | p.R249S | .512 | report | null | - | SNV | Substitution/Indel | 445 | 12.4 |
| R18K5816R1H1 | PRKDC | Missense | NM\_006904 | c.5952G>T | p.K1984N | .419 | reportVous | null | - | SNV | Substitution/Indel | 215 | 12.4 |
| R18K5816R1H1 | NOTCH4 | Missense | NM\_004557 | c.5552C>T | p.P1851L | .423 | report | null | - | SNV | Substitution/Indel | 447 | 12.4 |
| R18K5816R1H1 | TP53 | Missense | NM\_000546 | c.536A>G | p.H179R | .265 | report | null | - | SNV | Substitution/Indel | 381 | 12.4 |
| R18K5816R1H1 | ABL2 | Missense | NM\_007314 | c.4G>C | p.G2R | .367 | reportVous | null | - | SNV | Substitution/Indel | 686 | 12.4 |
| R18K5816R1H1 | GNAS | Missense | NM\_001077490 | c.477G>C | p.R159S | .345 | reportVous | null | - | SNV | Substitution/Indel | 296 | 12.4 |
| R18K5816R1H1 | PTCH1 | Missense | NM\_000264 | c.4162G>T | p.G1388W | .408 | report | null | - | SNV | Substitution/Indel | 480 | 12.4 |
| R18K5816R1H1 | NOTCH3 | Missense | NM\_000435 | c.2984C>G | p.P995R | .023 | report | null | - | SNV | Substitution/Indel | 343 | 12.4 |
| R18K5816R1H1 | RB1 | Missense | NM\_000321 | c.2105A>G | p.Q702R | .702 | report | null | - | SNV | Substitution/Indel | 191 | 12.4 |
| R18K5816R1H1 | BTG1 | Missense | NM\_001731 | c.202C>T | p.R68C | .235 | reportVous | null | - | SNV | Substitution/Indel | 395 | 12.4 |
| R18K5816R1H1 | NOTCH2 | Nonsense | NM\_024408 | c.1819C>T | p.Q607\* | .388 | report | null | - | SNV | Truncation | 201 | 12.4 |
| R18K5816R1H1 | IRS2 | Missense | NM\_003749 | c.1313C>T | p.S438L | .429 | reportVous | null | - | SNV | Substitution/Indel | 919 | 12.4 |
| R18K5816R1H1 | NOTCH1 | Missense | NM\_017617 | c.1280G>A | p.G427D | .400 | report | null | - | SNV | Substitution/Indel | 650 | 12.4 |
| R18K5816R1H1 | NOTCH3 | Missense | NM\_000435 | c.1253A>T | p.Q418L | .391 | reportVous | null | - | SNV | Substitution/Indel | 432 | 12.4 |
| R18K5816R1H1 | CDKN1B | Missense | NM\_004064 | c.123A>T | p.L41F | .247 | reportVous | null | - | SNV | Substitution/Indel | 716 | 12.4 |
| R18K5816R1H1 | TP53 | Missense | NM\_000546 | c.1079G>A | p.G360E | .215 | reportVous | null | - | SNV | Substitution/Indel | 191 | 12.4 |
| R18K5815R1H1 | PTEN | Frameshift | NM\_000314 | C.968dup | P.N323Kfs\*2 | .117 | report | null | - | SNV | Truncation | 111 | 3.8 |
| R18K5815R1H1 | TSC1 | Missense | NM\_000368 | c.772G>A | p.E258K | .142 | reportVous | null | - | SNV | Substitution/Indel | 211 | 3.8 |
| R18K5815R1H1 | GRIN2A | Missense | NM\_000833 | c.3415G>T | p.V1139L | .448 | reportVous | null | - | SNV | Substitution/Indel | 315 | 3.8 |
| R18K5815R1H1 | RB1 | Nonsense | NM\_000321 | c.2336T>A | p.L779\* | .846 | report | null | - | SNV | Truncation | 149 | 3.8 |
| R18K5815R1H1 | GNAS | Nonsense | NM\_001077490 | c.1615G>T | p.E539\* | .467 | reportVous | null | - | SNV | Truncation | 300 | 3.8 |
| R18K5815R1H1 | SDHA | Missense | NM\_004168 | c.1591G>T | p.V531L | .011 | report | null | - | SNV | Substitution/Indel | 644 | 3.8 |
| R18K5815R1H1 | GATA6 | Missense | NM\_005257 | c.155G>A | p.R52Q | .418 | reportVous | null | - | SNV | Substitution/Indel | 208 | 3.8 |
| R18K5813R1H1 | WT1 | Frameshift | NM\_024426 | C.963del | P.S322Afs\*5 | .282 | reportVous | null | - | SNV | Truncation | 262 | 8.5 |
| R18K5813R1H1 | SPTA1 | Missense | NM\_003126 | c.6151A>C | p.K2051Q | .144 | reportVous | null | - | SNV | Substitution/Indel | 285 | 8.5 |
| R18K5813R1H1 | TP53 | Missense | NM\_000546 | c.614A>C | p.Y205S | .935 | report | null | - | SNV | Substitution/Indel | 308 | 8.5 |
| R18K5813R1H1 | KDR | Missense | NM\_002253 | c.3892G>C | p.G1298R | .355 | reportVous | null | - | SNV | Substitution/Indel | 197 | 8.5 |
| R18K5813R1H1 | CHEK1 | Splicing Site | NM\_001114121 | c.290-2A>T | - | .400 | report | null | - | SNV | Substitution/Indel | 105 | 8.5 |
| R18K5813R1H1 | PDGFRA | Nonsense | NM\_006206 | c.2360C>A | p.S787\* | .358 | reportVous | null | - | SNV | Truncation | 137 | 8.5 |
| R18K5813R1H1 | AXIN1 | Splicing Site | NM\_003502 | c.2186+11G>T | - | .858 | reportVous | null | - | SNV | Substitution/Indel | 113 | 8.5 |
| R18K5813R1H1 | CD79B | Missense | NM\_001039933 | c.137G>C | p.R46P | .411 | reportVous | null | - | SNV | Substitution/Indel | 168 | 8.5 |
| R18K5813R1H1 | INHBA | Missense | NM\_002192 | c.1219G>A | p.G407S | .420 | report | null | - | SNV | Substitution/Indel | 157 | 8.5 |
| R18K5813R1H1 | PRKDC | Missense | NM\_006904 | c.10393C>T | p.P3465S | .464 | reportVous | null | - | SNV | Substitution/Indel | 151 | 8.5 |
| R18K5812R1H1 | RET | Amplification | NM\_020975 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 9.2 |
| R18K5812R1H1 | SPTA1 | Frameshift | NM\_003126 | c.5975\_5977delinsTT | p.K1992Ifs\*4 | .110 | report | null | - | SNV | Truncation | 164 | 9.2 |
| R18K5812R1H1 | POLD1 | Missense | NM\_002691 | c.535\_536delinsTC | p.G179S | .192 | reportVous | null | - | SNV | Substitution/Indel | 208 | 9.2 |
| R18K5812R1H1 | SPTA1 | Missense | NM\_003126 | c.3538G>T | p.G1180C | .137 | reportVous | null | - | SNV | Substitution/Indel | 95 | 9.2 |
| R18K5812R1H1 | VGLL3 | Missense | NM\_001320493 | c.302T>G | p.V101G | .964 | reportVous | null | - | SNV | Substitution/Indel | 165 | 9.2 |
| R18K5812R1H1 | EGF | Splicing Site | NM\_001963 | c.2857+8G>T | - | .519 | reportVous | null | - | SNV | Substitution/Indel | 79 | 9.2 |
| R18K5812R1H1 | ROS1 | Missense | NM\_002944 | c.2192T>C | p.L731P | .235 | reportVous | null | - | SNV | Substitution/Indel | 179 | 9.2 |
| R18K5812R1H1 | RB1 | Frameshift | NM\_000321 | c.2016\_2019delinsCAT | p.E672Dfs\*5 | .496 | report | null | - | SNV | Truncation | 141 | 9.2 |
| R18K5812R1H1 | TBX3 | Missense | NM\_016569 | c.1919A>G | p.Y640C | .586 | reportVous | null | - | SNV | Substitution/Indel | 203 | 9.2 |
| R18K5812R1H1 | ALK | Splicing Site | NM\_004304 | c.1913-8T>G | - | .497 | reportVous | null | - | SNV | Substitution/Indel | 153 | 9.2 |
| R18K5812R1H1 | JAK2 | Splicing Site | NM\_004972 | c.1776+1G>T | - | .959 | report | null | - | SNV | Substitution/Indel | 73 | 9.2 |
| R18K5812R1H1 | NRG3 | Missense | NM\_001010848 | c.143C>A | p.P48H | .964 | reportVous | null | - | SNV | Substitution/Indel | 56 | 9.2 |
| R18K5812R1H1 | CHEK2 | Splicing Site | NM\_007194 | c.1260-12\_1260-2del | - | .623 | reportVous | null | - | SNV | Substitution/Indel | 106 | 9.2 |
| R18K5812R1H1 | MAGI2 | Missense | NM\_012301 | c.1082T>C | p.I361T | .782 | reportVous | null | - | SNV | Substitution/Indel | 55 | 9.2 |
| R18K5812R1H1 | ROS1 | Missense | NM\_002944 | c.1063G>A | p.D355N | .212 | reportVous | null | - | SNV | Substitution/Indel | 113 | 9.2 |
| R18K5812R1H1 | TP53 | Frameshift | NM\_000546 | c.1002del | p.R335Vfs\*10 | .456 | report | null | - | SNV | Truncation | 195 | 9.2 |
| R18K5811R1H1 | KEAP1 | Missense | NM\_012289 | c.811G>T | p.V271L | .330 | report | null | - | SNV | Substitution/Indel | 312 | 5.4 |
| R18K5811R1H1 | IKZF1 | Missense | NM\_006060 | c.619G>A | p.G207S | .056 | report | null | - | SNV | Substitution/Indel | 178 | 5.4 |
| R18K5811R1H1 | TP53 | Missense | NM\_000546 | c.524G>A | p.R175H | .697 | report | null | - | SNV | Substitution/Indel | 188 | 5.4 |
| R18K5811R1H1 | CREBBP | Missense | NM\_004380 | c.4471C>G | p.Q1491E | .291 | report | null | - | SNV | Substitution/Indel | 199 | 5.4 |
| R18K5811R1H1 | RNF43 | Missense | NM\_017763 | c.400G>T | p.A134S | .382 | reportVous | null | - | SNV | Substitution/Indel | 246 | 5.4 |
| R18K5811R1H1 | PTK2 | Splicing Site | NM\_005607 | c.1701-3C>G | - | .145 | reportVous | null | - | SNV | Substitution/Indel | 166 | 5.4 |
| R18K5811R1H1 | RB1 | Frameshift | NM\_000321 | c.1450\_1451del | p.M484Vfs\*8 | .412 | report | null | - | SNV | Truncation | 119 | 5.4 |
| R18K5811R1H1 | FAT4 | Missense | NM\_024582 | c.12477C>G | p.C4159W | .270 | reportVous | null | - | SNV | Substitution/Indel | 115 | 5.4 |
| R18K5808R1H1 | LRP1B | Splicing Site | NM\_018557 | c.9964-10C>T | - | .069 | reportVous | null | - | SNV | Substitution/Indel | 131 | 24.8 |
| R18K5808R1H1 | TP53 | Splicing Site | NM\_000546 | c.920-1G>T | - | .986 | report | null | - | SNV | Substitution/Indel | 139 | 24.8 |
| R18K5808R1H1 | ITK | Missense | NM\_005546 | c.911G>C | p.R304P | .944 | report | null | - | SNV | Substitution/Indel | 36 | 24.8 |
| R18K5808R1H1 | EPHB1 | Nonsense | NM\_004441 | c.854\_855delinsAA | p.S285\* | .359 | report | null | - | SNV | Truncation | 220 | 24.8 |
| R18K5808R1H1 | PHF6 | Missense | NM\_001015877 | c.638G>C | p.G213A | .347 | report | null | - | SNV | Substitution/Indel | 216 | 24.8 |
| R18K5808R1H1 | ARID1A | Missense | NM\_006015 | c.5255A>T | p.K1752M | .568 | reportVous | null | - | SNV | Substitution/Indel | 139 | 24.8 |
| R18K5808R1H1 | FAM135B | Missense | NM\_015912 | c.4105G>T | p.A1369S | .372 | report | null | - | SNV | Substitution/Indel | 312 | 24.8 |
| R18K5808R1H1 | PIK3C2B | Missense | NM\_002646 | c.329G>T | p.G110V | .245 | reportVous | null | - | SNV | Substitution/Indel | 351 | 24.8 |
| R18K5808R1H1 | CDH1 | Nonsense | NM\_004360 | c.220C>T | p.R74\* | .016 | report | null | - | SNV | Truncation | 189 | 24.8 |
| R18K5808R1H1 | RB1 | Frameshift | NM\_000321 | C.219\_220dup | P.A74Efs\*4 | .482 | report | null | - | SNV | Truncation | 83 | 24.8 |
| R18K5808R1H1 | FANCM | Frameshift | NM\_020937 | C.2125\_2126del | P.Q709Vfs\*7 | .205 | report | null | - | SNV | Truncation | 88 | 24.8 |
| R18K5808R1H1 | JAK1 | Missense | NM\_002227 | c.1976G>A | p.R659H | .494 | report | null | - | SNV | Substitution/Indel | 237 | 24.8 |
| R18K5808R1H1 | EPHA3 | Missense | NM\_005233 | c.1408T>A | p.Y470N | .476 | reportVous | null | - | SNV | Substitution/Indel | 84 | 24.8 |
| R18K5808R1H1 | EWSR1 | Missense | NM\_005243 | c.1279G>A | p.V427M | .050 | reportVous | null | - | SNV | Substitution/Indel | 100 | 24.8 |
| R18K5808R1H1 | ZNF217 | Missense | NM\_006526 | c.1177C>A | p.H393N | .028 | report | null | - | SNV | Substitution/Indel | 253 | 24.8 |
| R18K5808R1H1 | KLHL6 | Missense | NM\_130446 | c.112T>A | p.L38M | .012 | report | null | - | SNV | Substitution/Indel | 572 | 24.8 |
| R18K5808R1H1 | RUNX1T1 | Missense | NM\_175635 | c.1084G>T | p.A362S | .490 | report | null | - | SNV | Substitution/Indel | 206 | 24.8 |
| R18K5808R1H1 | PTPN11 | Missense | NM\_002834 | c.1032G>T | p.M344I | .463 | reportVous | null | - | SNV | Substitution/Indel | 177 | 24.8 |
| R18K5808R1H1 | REL | Splicing Site | NM\_002908 | c.1018+4G>T | - | .061 | reportVous | null | - | SNV | Substitution/Indel | 131 | 24.8 |
| R18K5808R1H1 | TSC1 | Missense | NM\_000368 | c.[3114C>A,3115A>G] | p.[S1038R,S1039G] | .012 | report | null | - | SNV | Substitution/Indel | 575 | 24.8 |
| R18K5805R1H1 | FGF14 | Amplification | NM\_004115 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 3.8 |
| R18K5805R1H1 | MYCL | Amplification | NM\_005376 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 3.8 |
| R18K5805R1H1 | NCOA2 | Amplification | NM\_006540 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 3.8 |
| R18K5805R1H1 | RET | Amplification | NM\_020975 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 3.8 |
| R18K5805R1H1 | SDHA | Amplification | NM\_004168 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 3.8 |
| R18K5805R1H1 | TERT | Amplification | NM\_198253 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 3.8 |
| R18K5805R1H1 | FUBP1 | Missense | NM\_003902 | c.890T>A | p.M297K | .217 | reportVous | null | - | SNV | Substitution/Indel | 299 | 3.8 |
| R18K5805R1H1 | TP53 | Missense | NM\_000546 | c.844C>T | p.R282W | .580 | report | null | - | SNV | Substitution/Indel | 219 | 3.8 |
| R18K5805R1H1 | RB1 | Nonsense | NM\_000321 | c.751C>T | p.R251\* | .754 | report | null | - | SNV | Truncation | 187 | 3.8 |
| R18K5805R1H1 | BRCA1 | Splicing Site | NM\_007294 | c.5468-8G>A | - | .397 | reportVous | null | - | SNV | Substitution/Indel | 325 | 3.8 |
| R18K5805R1H1 | SMARCA4 | Missense | NM\_001128849 | c.3883G>C | p.E1295Q | .386 | reportVous | null | - | SNV | Substitution/Indel | 458 | 3.8 |
| R18K5805R1H1 | NF1 | Splicing Site | NM\_001042492 | c.3871-12G>T | - | .373 | reportVous | null | - | SNV | Substitution/Indel | 193 | 3.8 |
| R18K5805R1H1 | TERT | Missense | NM\_198253 | c.3271C>T | p.P1091S | .268 | reportVous | null | - | SNV | Substitution/Indel | 336 | 3.8 |
| R18K5805R1H1 | CARD11 | Missense | NM\_032415 | c.2972G>T | p.R991M | .358 | reportVous | null | - | SNV | Substitution/Indel | 399 | 3.8 |
| R18K5805R1H1 | FLT4 | Missense | NM\_182925 | c.2342G>T | p.G781V | .343 | report | null | - | SNV | Substitution/Indel | 391 | 3.8 |
| R18K5805R1H1 | AURKA | Splicing Site | NM\_198433 | c.1029+8G>A | - | .302 | reportVous | null | - | SNV | Substitution/Indel | 235 | 3.8 |
| R18K5801R1H1 | FGF19 | Amplification | NM\_005117 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 5.4 |
| R18K5801R1H1 | SDHA | Amplification | NM\_004168 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 5.4 |
| R18K5801R1H1 | TERT | Amplification | NM\_198253 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 5.4 |
| R18K5801R1H1 | KRAS | Missense | NM\_004985 | c.91G>A | p.E31K | .031 | report | null | - | SNV | Substitution/Indel | 97 | 5.4 |
| R18K5801R1H1 | KMT2C | Frameshift | NM\_170606 | c.8951del | p.S2984Ffs\*6 | .291 | report | null | - | SNV | Truncation | 492 | 5.4 |
| R18K5801R1H1 | TP53 | Missense | NM\_000546 | c.473G>T | p.R158L | .574 | report | null | - | SNV | Substitution/Indel | 728 | 5.4 |
| R18K5801R1H1 | PTEN | Frameshift | NM\_001304717 | c.35\_60del | p.A12Gfs\*3 | .173 | report | null | - | SNV | Truncation | 421 | 5.4 |
| R18K5801R1H1 | SUFU | Missense | NM\_016169 | c.334G>A | p.G112R | .138 | report | null | - | SNV | Substitution/Indel | 174 | 5.4 |
| R18K5801R1H1 | CFTR | Missense | NM\_000492 | c.2552G>A | p.R851Q | .030 | report | null | - | SNV | Substitution/Indel | 135 | 5.4 |
| R18K5801R1H1 | BCOR | In\_Frame\_Indel | NM\_001123383 | c.2293\_2298del | p.S765\_E766del | .091 | reportVous | null | - | SNV | Substitution/Indel | 307 | 5.4 |
| R18K5801R1H1 | AXL | Missense | NM\_001699 | c.2046C>A | p.F682L | .136 | reportVous | null | - | SNV | Substitution/Indel | 374 | 5.4 |
| R18K5801R1H1 | FAT4 | Missense | NM\_024582 | c.1447A>T | p.N483Y | .207 | reportVous | null | - | SNV | Substitution/Indel | 179 | 5.4 |
| R18K5801R1H1 | TSC2 | Splicing Site | NM\_000548 | c.138+5G>A | - | .234 | reportVous | null | - | SNV | Substitution/Indel | 342 | 5.4 |
| R18K5801R1H1 | WT1 | Missense | NM\_024426 | c.1187C>G | p.P396R | .443 | reportVous | null | - | SNV | Substitution/Indel | 167 | 5.4 |
| R18K5798R1H1 | HSP90AA1 | Amplification | NM\_001017963 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 5.4 |
| R18K5798R1H1 | GRM3 | Frameshift | NM\_000840 | C.810\_811del | P.V271Rfs\*149 | .135 | reportVous | null | - | SNV | Truncation | 1355 | 5.4 |
| R18K5798R1H1 | TP53 | Missense | NM\_000546 | c.422G>A | p.C141Y | .694 | report | null | - | SNV | Substitution/Indel | 385 | 5.4 |
| R18K5798R1H1 | FAM135B | Missense | NM\_015912 | c.3194C>A | p.P1065H | .290 | report | null | - | SNV | Substitution/Indel | 310 | 5.4 |
| R18K5798R1H1 | ALK | Missense | NM\_004304 | c.2198C>T | p.T733I | .241 | reportVous | null | - | SNV | Substitution/Indel | 237 | 5.4 |
| R18K5798R1H1 | NR4A3 | Missense | NM\_006981 | c.1811T>A | p.L604Q | .361 | reportVous | null | - | SNV | Substitution/Indel | 294 | 5.4 |
| R18K5798R1H1 | POLD1 | Missense | NM\_002691 | c.1498G>T | p.G500W | .342 | reportVous | null | - | SNV | Substitution/Indel | 518 | 5.4 |
| R18K5798R1H1 | RB1 | Splicing Site | NM\_000321 | c.138-2A>C | - | .520 | report | null | - | SNV | Substitution/Indel | 100 | 5.4 |
| R18K5795R1H1 | FOS | Deletion | NM\_005252 | Deletion | - | - | reportVous | null | - | CNV | Gene Homozygous Deletion | - | 14.7 |
| R18K5795R1H1 | FGF10 | Amplification | NM\_004465 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| R18K5795R1H1 | IL7R | Amplification | NM\_002185 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| R18K5795R1H1 | RICTOR | Amplification | NM\_152756 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| R18K5795R1H1 | SDHA | Amplification | NM\_004168 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| R18K5795R1H1 | TERT | Amplification | NM\_198253 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| R18K5795R1H1 | TBX3 | Missense | NM\_016569 | c.781T>A | p.L261M | .454 | report | null | - | SNV | Substitution/Indel | 304 | 14.7 |
| R18K5795R1H1 | TEK | Missense | NM\_000459 | c.761C>A | p.A254D | .950 | reportVous | null | - | SNV | Substitution/Indel | 161 | 14.7 |
| R18K5795R1H1 | SETD2 | Missense | NM\_014159 | c.7555A>G | p.K2519E | .915 | report | null | - | SNV | Substitution/Indel | 176 | 14.7 |
| R18K5795R1H1 | LRP1B | Missense | NM\_018557 | c.5735C>A | p.A1912D | .616 | report | null | - | SNV | Substitution/Indel | 99 | 14.7 |
| R18K5795R1H1 | TP53 | Missense | NM\_000546 | c.535C>T | p.H179Y | .953 | report | null | - | SNV | Substitution/Indel | 232 | 14.7 |
| R18K5795R1H1 | EMSY | Missense | NM\_020193 | c.3079G>T | p.A1027S | .595 | reportVous | null | - | SNV | Substitution/Indel | 388 | 14.7 |
| R18K5795R1H1 | IRS2 | Missense | NM\_003749 | c.28C>T | p.P10S | .950 | reportVous | null | - | SNV | Substitution/Indel | 515 | 14.7 |
| R18K5795R1H1 | MSH2 | Missense | NM\_000251 | c.286C>T | p.R96C | .035 | report | null | - | SNV | Substitution/Indel | 85 | 14.7 |
| R18K5795R1H1 | EGF | Missense | NM\_001963 | c.2539A>G | p.I847V | .935 | reportVous | null | - | SNV | Substitution/Indel | 123 | 14.7 |
| R18K5795R1H1 | STAT3 | Missense | NM\_139276 | c.1966G>T | p.G656C | .600 | report | null | - | SNV | Substitution/Indel | 225 | 14.7 |
| R18K5795R1H1 | RB1 | Splicing Site | NM\_000321 | c.1960+1G>A | - | .984 | report | null | - | SNV | Substitution/Indel | 63 | 14.7 |
| R18K5795R1H1 | TSHR | Missense | NM\_000369 | c.1385G>A | p.C462Y | .344 | report | null | - | SNV | Substitution/Indel | 387 | 14.7 |
| R18K5795R1H1 | SPTA1 | Missense | NM\_003126 | c.1199C>A | p.T400K | .596 | reportVous | null | - | SNV | Substitution/Indel | 213 | 14.7 |
| R18K5795R1H1 | LRP1B | Splicing Site | NM\_018557 | c.11893-7C>T | - | .236 | reportVous | null | - | SNV | Substitution/Indel | 157 | 14.7 |
| R18K5795R1H1 | FAT3 | Frameshift | NM\_001008781 | c.11809del | p.Y3937Tfs\*14 | .340 | report | null | - | SNV | Truncation | 858 | 14.7 |
| R18K5795R1H1 | ETV1 | Frameshift | NM\_004956 | c.1095\_1098delinsTAT | p.I366Mfs\*19 | .191 | reportVous | null | - | SNV | Truncation | 267 | 14.7 |
| R18K5795R1H1 | LRP1B | Splicing Site | NM\_018557 | c.10768+12G>A | - | .642 | reportVous | null | - | SNV | Substitution/Indel | 95 | 14.7 |
| R18K5792R1H1 | NKX2-1 | Amplification | NM\_003317 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.9 |
| R18K5792R1H1 | PHF6 | Amplification | NM\_001015877 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.9 |
| R18K5792R1H1 | NOTCH1 | Splicing Site | NM\_017617 | c.404-12C>G | - | .060 | reportVous | null | - | SNV | Substitution/Indel | 436 | 6.9 |
| R18K5792R1H1 | CREBBP | Frameshift | NM\_004380 | c.1330+3911\_3369+7dup | p.D1124Sfs\*3 | 0.2982 | report | null | - | LONG | Truncation | - | 6.9 |
| R18K5791R1H1 | FBXW7 | Amplification | NM\_033632 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 6.9 |
| R18K5791R1H1 | TP53 | Missense | NM\_000546 | c.817C>G | p.R273G | .554 | report | null | - | SNV | Substitution/Indel | 195 | 6.9 |
| R18K5791R1H1 | KDM6A | Missense | NM\_021140 | c.4106T>C | p.L1369S | .489 | reportVous | null | - | SNV | Substitution/Indel | 135 | 6.9 |
| R18K5791R1H1 | TET2 | Splicing Site | NM\_001127208 | c.3955-2A>T | - | .388 | report | null | - | SNV | Substitution/Indel | 67 | 6.9 |
| R18K5791R1H1 | ABL1 | Missense | NM\_007313 | c.3413G>T | p.S1138I | .346 | reportVous | null | - | SNV | Substitution/Indel | 393 | 6.9 |
| R18K5791R1H1 | RB1 | Frameshift | NM\_000321 | C.287del | P.K96Rfs\*15 | .415 | report | null | - | SNV | Truncation | 200 | 6.9 |
| R18K5791R1H1 | EP300 | Missense | NM\_001429 | c.2858A>G | p.N953S | .662 | report | null | - | SNV | Substitution/Indel | 130 | 6.9 |
| R18K5791R1H1 | PBRM1 | Frameshift | NM\_018313 | C.2729dup | P.L910Ffs\*9 | .298 | report | null | - | SNV | Truncation | 114 | 6.9 |
| R18K5791R1H1 | HRAS | Missense | NM\_005343 | c.182A>G | p.Q61R | .504 | report | null | - | SNV | Substitution/Indel | 649 | 6.9 |
| R18K5791R1H1 | STAT4 | Splicing Site | NM\_003151 | c.1570+1G>T | - | .368 | reportVous | null | - | SNV | Substitution/Indel | 144 | 6.9 |
| R18K5791R1H1 | CTNNA1 | Missense | NM\_001903 | c.1481A>T | p.Q494L | .364 | reportVous | null | - | SNV | Substitution/Indel | 162 | 6.9 |
| R18K5791R1H1 | GRM3 | Nonsense | NM\_000840 | c.1458G>A | p.W486\* | .313 | reportVous | null | - | SNV | Truncation | 160 | 6.9 |
| R18K5791R1H1 | PDGFRA | Missense | NM\_006206 | c.1453G>A | p.E485K | .355 | reportVous | null | - | SNV | Substitution/Indel | 220 | 6.9 |
| R18K5791R1H1 | FAT3 | Missense | NM\_001008781 | c.1235C>G | p.S412C | .393 | reportVous | null | - | SNV | Substitution/Indel | 140 | 6.9 |
| R18K5788R1H1 | CRKL | Amplification | NM\_005207 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 0.0 |
| R18K5788R1H1 | LZTR1 | Amplification | NM\_006767 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 0.0 |
| R18K5788R1H1 | KMT2C | Missense | NM\_170606 | c.4870G>A | p.G1624R | .065 | report | null | - | SNV | Substitution/Indel | 46 | 0.0 |
| R18K5788R1H1 | TP53 | Missense | NM\_000546 | c.473G>T | p.R158L | .769 | report | null | - | SNV | Substitution/Indel | 91 | 0.0 |
| R18K5788R1H1 | NCOR1 | Missense | NM\_006311 | c.469T>C | p.S157P | .137 | report | null | - | SNV | Substitution/Indel | 95 | 0.0 |
| R18K5788R1H1 | BRCA1 | Missense | NM\_007294 | c.2351C>T | p.S784L | .068 | report | null | - | SNV | Substitution/Indel | 44 | 0.0 |
| R18K5788R1H1 | ERBB2 | Missense | NM\_004448 | c.226G>T | p.D76Y | .269 | report | null | - | SNV | Substitution/Indel | 93 | 0.0 |
| R18K5788R1H1 | KIT | Missense | NM\_000222 | c.1589T>A | p.V530E | .426 | reportVous | null | - | SNV | Substitution/Indel | 54 | 0.0 |
| R18K5788R1H1 | EPHA7 | Missense | NM\_004440 | c.1358G>T | p.R453I | .279 | report | null | - | SNV | Substitution/Indel | 43 | 0.0 |
| R18K5769R1H1 | AKT3 | Amplification | NM\_181690 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 4.6 |
| R18K5769R1H1 | CDKN2A | Amplification | NM\_000077 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 4.6 |
| R18K5769R1H1 | NFIB | Amplification | NM\_005596 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 4.6 |
| R18K5769R1H1 | NKX2-1 | Amplification | NM\_003317 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 4.6 |
| R18K5769R1H1 | FH | Amplification | NM\_000143 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 4.6 |
| R18K5769R1H1 | TP53 | Nonsense | NM\_000546 | c.892G>T | p.E298\* | .774 | report | null | - | SNV | Truncation | 226 | 4.6 |
| R18K5769R1H1 | PAX5 | Missense | NM\_016734 | c.71G>T | p.G24V | .409 | report | null | - | SNV | Substitution/Indel | 301 | 4.6 |
| R18K5769R1H1 | FAT3 | Missense | NM\_001008781 | c.6290C>A | p.A2097E | .451 | report | null | - | SNV | Substitution/Indel | 257 | 4.6 |
| R18K5769R1H1 | EGFR | Missense | NM\_201284 | c.1881G>T | p.G627G | .494 | reportVous | null | - | SNV | Substitution/Indel | 162 | 4.6 |
| R18K5769R1H1 | ERBB4 | Missense | NM\_005235 | c.1729T>C | p.C577R | .405 | reportVous | null | - | SNV | Substitution/Indel | 257 | 4.6 |
| R18K5769R1H1 | KDM5C | Missense | NM\_004187 | c.1713G>T | p.M571I | .890 | report | null | - | SNV | Substitution/Indel | 155 | 4.6 |
| R18K5769R1H1 | AXIN1 | Missense | NM\_003502 | c.1506G>T | p.M502I | .770 | reportVous | null | - | SNV | Substitution/Indel | 274 | 4.6 |
| R18E7459R1H1 | EWSR1 | Deletion | NM\_005243 | Deletion | - | - | reportVous | null | - | CNV | Gene Homozygous Deletion | - | 31.7 |
| R18E7459R1H1 | SPTA1 | Missense | NM\_003126 | c.5098G>C | p.E1700Q | .180 | reportVous | null | - | SNV | Substitution/Indel | 128 | 31.7 |
| R18E7459R1H1 | TP53 | Frameshift | NM\_000546 | c.491del | p.K164Sfs\*6 | .446 | report | null | - | SNV | Truncation | 771 | 31.7 |
| R18E7459R1H1 | NOTCH3 | Frameshift | NM\_000435 | c.3751del | p.E1251Sfs\*21 | .264 | reportVous | null | - | SNV | Truncation | 1111 | 31.7 |
| R18E7459R1H1 | ALK | Missense | NM\_004304 | c.3596T>C | p.M1199T | .732 | reportVous | null | - | SNV | Substitution/Indel | 220 | 31.7 |
| R18E7459R1H1 | KDR | Missense | NM\_002253 | c.3255G>T | p.Q1085H | .560 | reportVous | null | - | SNV | Substitution/Indel | 84 | 31.7 |
| R18E7459R1H1 | PRKDC | Splicing Site | NM\_006904 | c.2618-7C>T | - | .305 | reportVous | null | - | SNV | Substitution/Indel | 239 | 31.7 |
| R18E7459R1H1 | RB1 | Nonsense | NM\_000321 | c.2482A>T | p.R828\* | .984 | report | null | - | SNV | Truncation | 61 | 31.7 |
| R18E7459R1H1 | FAM135B | Missense | NM\_015912 | c.2432C>G | p.S811C | .261 | report | null | - | SNV | Substitution/Indel | 348 | 31.7 |
| R18E7459R1H1 | PDGFRB | Missense | NM\_002609 | c.1855G>C | p.A619P | .289 | reportVous | null | - | SNV | Substitution/Indel | 197 | 31.7 |
| R18E7459R1H1 | CFTR | Missense | NM\_000492 | c.1559T>A | p.V520D | .606 | report | null | - | SNV | Substitution/Indel | 94 | 31.7 |
| R18E7459R1H1 | FAM135B | Missense | NM\_015912 | c.1504A>G | p.I502V | .630 | reportVous | null | - | SNV | Substitution/Indel | 216 | 31.7 |
| R18E7459R1H1 | LRP1 | Splicing Site | NM\_002332 | c.10952-7G>T | - | .417 | reportVous | null | - | SNV | Substitution/Indel | 393 | 31.7 |
| R18E7458R1H1 | EPHA7 | Amplification | NM\_004440 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 14.7 |
| R18E7458R1H1 | FUS | Amplification | NM\_004960 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 14.7 |
| R18E7458R1H1 | PALB2 | Amplification | NM\_024675 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 14.7 |
| R18E7458R1H1 | KEAP1 | Missense | NM\_012289 | c.959G>C | p.R320P | .944 | report | null | - | SNV | Substitution/Indel | 519 | 14.7 |
| R18E7458R1H1 | PDK1 | Missense | NM\_002610 | c.923G>A | p.G308D | .465 | reportVous | null | - | SNV | Substitution/Indel | 187 | 14.7 |
| R18E7458R1H1 | GRM3 | Missense | NM\_000840 | c.916C>A | p.Q306K | .455 | reportVous | null | - | SNV | Substitution/Indel | 921 | 14.7 |
| R18E7458R1H1 | TAF1 | Missense | NM\_004606 | c.5177A>G | p.Q1726R | .486 | reportVous | null | - | SNV | Substitution/Indel | 276 | 14.7 |
| R18E7458R1H1 | KMT2C | Frameshift | NM\_170606 | c.4671\_4672dup | p.R1558Hfs\*6 | .303 | report | null | - | SNV | Truncation | 218 | 14.7 |
| R18E7458R1H1 | LRP1B | Missense | NM\_018557 | c.4544A>T | p.D1515V | .347 | reportVous | null | - | SNV | Substitution/Indel | 170 | 14.7 |
| R18E7458R1H1 | TP53 | Missense | NM\_000546 | c.375\_375+1delinsTT | p.T125T | .816 | report | null | - | SNV | Substitution/Indel | 98 | 14.7 |
| R18E7458R1H1 | FGFR3 | Missense | NM\_000142 | c.358C>T | p.H120Y | .477 | reportVous | null | - | SNV | Substitution/Indel | 390 | 14.7 |
| R18E7458R1H1 | LRP2 | Missense | NM\_004525 | c.2637G>T | p.W879C | .359 | reportVous | null | - | SNV | Substitution/Indel | 145 | 14.7 |
| R18E7458R1H1 | BCORL1 | Missense | NM\_021946 | c.2491G>T | p.V831F | .432 | reportVous | null | - | SNV | Substitution/Indel | 132 | 14.7 |
| R18E7458R1H1 | ABL2 | Missense | NM\_007314 | c.2194G>T | p.G732C | .469 | report | null | - | SNV | Substitution/Indel | 98 | 14.7 |
| R18E7458R1H1 | SND1 | Missense | NM\_014390 | c.2143C>T | p.R715C | .506 | report | null | - | SNV | Substitution/Indel | 154 | 14.7 |
| R18E7458R1H1 | FGFR2 | Missense | NM\_001320654 | c.19A>C | p.K7Q | .230 | reportVous | null | - | SNV | Substitution/Indel | 243 | 14.7 |
| R18E7458R1H1 | TSHR | Missense | NM\_000369 | c.1711C>G | p.P571A | .462 | reportVous | null | - | SNV | Substitution/Indel | 251 | 14.7 |
| R18E7458R1H1 | HGF | Missense | NM\_000601 | c.1677G>C | p.E559D | .433 | report | null | - | SNV | Substitution/Indel | 178 | 14.7 |
| R18E7458R1H1 | RB1 | Splicing Site | NM\_000321 | c.1049+3A>T | - | .925 | reportVous | null | - | SNV | Substitution/Indel | 53 | 14.7 |
| R18E7458R1H1 | MAP3K1 | Missense | NM\_005921 | c.1034A>T | p.Q345L | .382 | report | null | - | SNV | Substitution/Indel | 110 | 14.7 |
| R18E7457R1H1 | TPMT | Amplification | NM\_000367 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 3 |
| R18E7457R1H1 | NOTCH2 | Missense | NM\_024408 | c.1877T>C | p.V626A | .430 | reportVous | null | - | SNV | Substitution/Indel | 228 | 3 |
| R18E7457R1H1 | PDGFRB | Missense | NM\_002609 | c.1685A>G | p.Y562C | .049 | reportVous | null | - | SNV | Substitution/Indel | 226 | 3 |
| R18E7457R1H1 | CYP17A1 | Missense | NM\_000102 | c.1267A>G | p.T423A | .752 | reportVous | null | - | SNV | Substitution/Indel | 141 | 3 |
| R18E7456R1H1 | TERT | Amplification | NM\_198253 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 18.5 |
| R18E7456R1H1 | BRCA2 | Missense | NM\_000059 | c.7921G>A | p.E2641K | .326 | reportVous | null | - | SNV | Substitution/Indel | 43 | 18.5 |
| R18E7456R1H1 | TP53 | Missense | NM\_000546 | c.469G>T | p.V157F | .506 | report | null | - | SNV | Substitution/Indel | 243 | 18.5 |
| R18E7456R1H1 | BRCA1 | Nonsense | NM\_007294 | c.427G>T | p.E143\* | .020 | report | null | - | SNV | Truncation | 606 | 18.5 |
| R18E7456R1H1 | CD79A | Missense | NM\_001783 | c.205G>C | p.V69L | .256 | report | null | - | SNV | Substitution/Indel | 480 | 18.5 |
| R18E7456R1H1 | SPTA1 | Splicing Site | NM\_003126 | c.1834-7A>T | - | .396 | reportVous | null | - | SNV | Substitution/Indel | 154 | 18.5 |
| R18E7456R1H1 | GATA6 | Missense | NM\_005257 | c.1781T>A | p.L594Q | .371 | reportVous | null | - | SNV | Substitution/Indel | 485 | 18.5 |
| R18E7456R1H1 | MEN1 | Missense | NM\_130799 | c.1250A>G | p.Y417C | .137 | report | null | - | SNV | Substitution/Indel | 344 | 18.5 |
| R18E7456R1H1 | RB1 | In\_Frame\_Indel | NM\_000321 | c.1180\_1203del | p.D394\_I401del | .133 | report | null | - | SNV | Substitution/Indel | 60 | 18.5 |
| R18E7455R1H1 | FOS | Deletion | NM\_005252 | Deletion | - | - | reportVous | null | - | CNV | Gene Homozygous Deletion | - | 0.7 |
| R18E7455R1H1 | SDHA | Amplification | NM\_004168 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 0.7 |
| R18E7455R1H1 | TERT | Amplification | NM\_198253 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 0.7 |
| R18E7454R1H1 | DDR2 | Amplification | NM\_001014796 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 13.9 |
| R18E7454R1H1 | FGF10 | Amplification | NM\_004465 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 13.9 |
| R18E7454R1H1 | FGF14 | Amplification | NM\_004115 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 13.9 |
| R18E7454R1H1 | IL7R | Amplification | NM\_002185 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 13.9 |
| R18E7454R1H1 | IRS2 | Amplification | NM\_003749 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 13.9 |
| R18E7454R1H1 | SPTA1 | Amplification | NM\_003126 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 13.9 |
| R18E7454R1H1 | STK24 | Amplification | NM\_003576 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 13.9 |
| R18E7454R1H1 | TERT | Amplification | NM\_198253 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 13.9 |
| R18E7454R1H1 | TNFSF13B | Amplification | NM\_006573 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 13.9 |
| R18E7454R1H1 | TP53 | Missense | NM\_000546 | c.848G>C | p.R283P | .898 | report | null | - | SNV | Substitution/Indel | 127 | 13.9 |
| R18E7454R1H1 | BRCA2 | Missense | NM\_000059 | c.8016A>G | p.I2672M | .920 | reportVous | null | - | SNV | Substitution/Indel | 324 | 13.9 |
| R18E7454R1H1 | JAK1 | Splicing Site | NM\_002227 | c.-77-2A>T | - | .437 | report | null | - | SNV | Substitution/Indel | 103 | 13.9 |
| R18E7454R1H1 | KDM5B | Missense | NM\_001314042 | c.4082A>G | p.Y1361C | .287 | reportVous | null | - | SNV | Substitution/Indel | 906 | 13.9 |
| R18E7454R1H1 | LRP1B | Missense | NM\_018557 | c.3370G>T | p.D1124Y | .457 | report | null | - | SNV | Substitution/Indel | 613 | 13.9 |
| R18E7454R1H1 | PMS2 | Missense | NM\_000535 | c.299A>G | p.Q100R | .020 | report | null | - | SNV | Substitution/Indel | 446 | 13.9 |
| R18E7454R1H1 | FAM135B | Missense | NM\_015912 | c.2489T>A | p.V830E | .432 | reportVous | null | - | SNV | Substitution/Indel | 447 | 13.9 |
| R18E7454R1H1 | ROCK1 | Missense | NM\_005406 | c.1947A>T | p.E649D | .533 | reportVous | null | - | SNV | Substitution/Indel | 332 | 13.9 |
| R18E7454R1H1 | KDM5A | Splicing Site | NM\_001042603 | c.166-6A>G | - | .515 | reportVous | null | - | SNV | Substitution/Indel | 324 | 13.9 |
| R18E7454R1H1 | RB1 | Nonsense | NM\_000321 | c.1597G>T | p.E533\* | .907 | report | null | - | SNV | Truncation | 151 | 13.9 |
| R18E7454R1H1 | FOXO1 | Missense | NM\_002015 | c.1477G>A | p.G493S | .048 | report | null | - | SNV | Substitution/Indel | 314 | 13.9 |
| R18E7453R1H1 | FAM135B | Missense | NM\_015912 | c.860G>A | p.C287Y | .433 | report | null | - | SNV | Substitution/Indel | 654 | 14.7 |
| R18E7453R1H1 | TCF7L2 | Missense | NM\_030756 | c.775A>G | p.T259A | .425 | reportVous | null | - | SNV | Substitution/Indel | 651 | 14.7 |
| R18E7453R1H1 | TP53 | Missense | NM\_000546 | c.524G>A | p.R175H | .880 | report | null | - | SNV | Substitution/Indel | 1060 | 14.7 |
| R18E7453R1H1 | PREX2 | Missense | NM\_024870 | c.4775G>T | p.R1592M | .448 | reportVous | null | - | SNV | Substitution/Indel | 475 | 14.7 |
| R18E7453R1H1 | NOTCH2 | Missense | NM\_024408 | c.266C>T | p.T89M | .306 | reportVous | null | - | SNV | Substitution/Indel | 700 | 14.7 |
| R18E7453R1H1 | TSHR | Missense | NM\_000369 | c.2002C>T | p.P668S | .444 | report | null | - | SNV | Substitution/Indel | 1091 | 14.7 |
| R18E7453R1H1 | RB1 | Nonsense | NM\_000321 | c.1467C>A | p.C489\* | .804 | report | null | - | SNV | Truncation | 112 | 14.7 |
| R18E7453R1H1 | PREX2 | Missense | NM\_024870 | c.1388G>C | p.R463P | .382 | report | null | - | SNV | Substitution/Indel | 634 | 14.7 |
| R18E7453R1H1 | FAT4 | In\_Frame\_Indel | NM\_024582 | c.10578\_10579delinsTT | p.L3526\_V3527delinsFL | .055 | reportVous | null | - | SNV | Substitution/Indel | 509 | 14.7 |
| R18E7452R1H1 | GATA1 | Missense | NM\_002049 | c.953G>T | p.G318V | .317 | report | null | - | SNV | Substitution/Indel | 442 | 1.5 |
| R18E7452R1H1 | FAT4 | Missense | NM\_024582 | c.8122G>T | p.V2708F | .358 | reportVous | null | - | SNV | Substitution/Indel | 338 | 1.5 |
| R18E7452R1H1 | TP53 | Missense | NM\_000546 | c.796G>C | p.G266R | .726 | report | null | - | SNV | Substitution/Indel | 186 | 1.5 |
| R18E7452R1H1 | BTK | Missense | NM\_000061 | c.787T>A | p.Y263N | .341 | reportVous | null | - | SNV | Substitution/Indel | 173 | 1.5 |
| R18E7452R1H1 | ETV5 | Missense | NM\_004454 | c.779A>T | p.Q260L | .465 | reportVous | null | - | SNV | Substitution/Indel | 391 | 1.5 |
| R18E7452R1H1 | KMT2C | Missense | NM\_170606 | c.7606G>C | p.G2536R | .433 | reportVous | null | - | SNV | Substitution/Indel | 418 | 1.5 |
| R18E7452R1H1 | LRP1B | Missense | NM\_018557 | c.7472G>T | p.C2491F | .271 | reportVous | null | - | SNV | Substitution/Indel | 306 | 1.5 |
| R18E7452R1H1 | TFE3 | Missense | NM\_006521 | c.716C>G | p.P239R | .296 | reportVous | null | - | SNV | Substitution/Indel | 974 | 1.5 |
| R18E7452R1H1 | ARAF | Missense | NM\_001654 | c.660G>T | p.M220I | .494 | reportVous | null | - | SNV | Substitution/Indel | 538 | 1.5 |
| R18E7452R1H1 | CHEK2 | Missense | NM\_007194 | c.659A>G | p.Y220C | .451 | reportVous | null | - | SNV | Substitution/Indel | 102 | 1.5 |
| R18E7452R1H1 | FEV | Missense | NM\_017521 | c.658C>A | p.P220T | .278 | reportVous | null | - | SNV | Substitution/Indel | 539 | 1.5 |
| R18E7452R1H1 | NOTCH1 | Nonsense | NM\_017617 | c.6181G>T | p.E2061\* | .425 | report | null | - | SNV | Truncation | 480 | 1.5 |
| R18E7452R1H1 | FANCM | Nonsense | NM\_020937 | c.5774T>A | p.L1925\* | .346 | report | null | - | SNV | Truncation | 240 | 1.5 |
| R18E7452R1H1 | PDCD1LG2 | Splicing Site | NM\_025239 | c.55+9G>T | - | .346 | reportVous | null | - | SNV | Substitution/Indel | 306 | 1.5 |
| R18E7452R1H1 | FAT4 | Splicing Site | NM\_024582 | c.5175+3A>T | - | .320 | reportVous | null | - | SNV | Substitution/Indel | 284 | 1.5 |
| R18E7452R1H1 | COL1A1 | Splicing Site | NM\_000088 | c.4006-9C>A | - | .466 | reportVous | null | - | SNV | Substitution/Indel | 399 | 1.5 |
| R18E7452R1H1 | IGF1R | Missense | NM\_000875 | c.3628G>C | p.E1210Q | .508 | reportVous | null | - | SNV | Substitution/Indel | 199 | 1.5 |
| R18E7452R1H1 | USP6 | Missense | NM\_001304284 | c.3220C>A | p.P1074T | .725 | reportVous | null | - | SNV | Substitution/Indel | 211 | 1.5 |
| R18E7452R1H1 | GRIN2A | Missense | NM\_000833 | c.3205A>T | p.T1069S | .413 | report | null | - | SNV | Substitution/Indel | 404 | 1.5 |
| R18E7452R1H1 | KDM5A | Missense | NM\_001042603 | c.3203A>T | p.H1068L | .405 | report | null | - | SNV | Substitution/Indel | 291 | 1.5 |
| R18E7452R1H1 | KMT2A | Nonsense | NM\_001197104 | c.3043A>T | p.K1015\* | .220 | reportVous | null | - | SNV | Truncation | 314 | 1.5 |
| R18E7452R1H1 | GRIN2A | Frameshift | NM\_000833 | c.3004del | p.T1002Qfs\*45 | .242 | report | null | - | SNV | Truncation | 670 | 1.5 |
| R18E7452R1H1 | AMER1 | Missense | NM\_152424 | c.2820G>T | p.W940C | .449 | reportVous | null | - | SNV | Substitution/Indel | 408 | 1.5 |
| R18E7452R1H1 | LRP1B | Frameshift | NM\_018557 | c.2804del | p.G935Efs\*36 | .296 | report | null | - | SNV | Truncation | 611 | 1.5 |
| R18E7452R1H1 | GRIN2A | Missense | NM\_000833 | c.2368G>C | p.E790Q | .354 | reportVous | null | - | SNV | Substitution/Indel | 263 | 1.5 |
| R18E7452R1H1 | AMER1 | Missense | NM\_152424 | c.2126G>T | p.C709F | .457 | reportVous | null | - | SNV | Substitution/Indel | 311 | 1.5 |
| R18E7452R1H1 | MED12 | Missense | NM\_005120 | c.2009C>A | p.P670H | .371 | reportVous | null | - | SNV | Substitution/Indel | 364 | 1.5 |
| R18E7452R1H1 | NRG3 | Missense | NM\_001010848 | c.1979G>A | p.S660N | .458 | reportVous | null | - | SNV | Substitution/Indel | 395 | 1.5 |
| R18E7452R1H1 | ATRX | Missense | NM\_000489 | c.1873G>C | p.E625Q | .359 | report | null | - | SNV | Substitution/Indel | 390 | 1.5 |
| R18E7452R1H1 | RBM10 | Missense | NM\_001204468 | c.162G>T | p.R54S | .324 | reportVous | null | - | SNV | Substitution/Indel | 386 | 1.5 |
| R18E7452R1H1 | FANCA | Missense | NM\_000135 | c.1555G>T | p.A519S | .351 | reportVous | null | - | SNV | Substitution/Indel | 308 | 1.5 |
| R18E7452R1H1 | FANCE | Missense | NM\_021922 | c.1514C>T | p.T505I | .310 | reportVous | null | - | SNV | Substitution/Indel | 232 | 1.5 |
| R18E7452R1H1 | SPTA1 | Missense | NM\_003126 | c.1454G>A | p.S485N | .361 | reportVous | null | - | SNV | Substitution/Indel | 355 | 1.5 |
| R18E7452R1H1 | KMT2D | Missense | NM\_003482 | c.13999G>C | p.D4667H | .352 | reportVous | null | - | SNV | Substitution/Indel | 332 | 1.5 |
| R18E7452R1H1 | DDR2 | Missense | NM\_001014796 | c.1372C>A | p.R458S | .408 | report | null | - | SNV | Substitution/Indel | 586 | 1.5 |
| R18E7452R1H1 | RB1 | Nonsense | NM\_000321 | c.1333C>T | p.R445\* | .672 | report | null | - | SNV | Truncation | 131 | 1.5 |
| R18E7452R1H1 | KMT2C | Nonsense | NM\_170606 | c.11107G>T | p.E3703\* | .420 | report | null | - | SNV | Truncation | 559 | 1.5 |
| R18E7452R1H1 | SPTA1 | Missense | NM\_003126 | c.1083C>A | p.S361R | .416 | reportVous | null | - | SNV | Substitution/Indel | 401 | 1.5 |
| R18E7452R1H1 | LRP1B | Missense | NM\_018557 | c.10087C>G | p.Q3363E | .468 | reportVous | null | - | SNV | Substitution/Indel | 252 | 1.5 |
| R18E7451R1H1 | B2M | Missense | NM\_004048 | c.1A>G | p.M1V | .271 | report | null | - | SNV | Substitution/Indel | 597 | 1.5 |
| R18E7444R2H1 | RB1 | Deletion | NM\_000321 | Deletion | - | - | report | null | - | CNV | Gene Homozygous Deletion | - | 41 |
| R18E7444R2H1 | TGFBR2 | Deletion | NM\_001024847 | Deletion | - | - | report | null | - | CNV | Gene Homozygous Deletion | - | 41 |
| R18E7444R2H1 | MYCL | Amplification | NM\_005376 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 41 |
| R18E7444R2H1 | NKX2-1 | Amplification | NM\_003317 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 41 |
| R18E7444R2H1 | PREX2 | Amplification | NM\_024870 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 41 |
| R18E7444R2H1 | CREB3L1 | Missense | NM\_052854 | c.91C>G | p.L31V | .413 | reportVous | null | - | SNV | Substitution/Indel | 240 | 41 |
| R18E7444R2H1 | TP53 | Nonsense | NM\_000546 | c.880G>T | p.E294\* | .783 | report | null | - | SNV | Truncation | 254 | 41 |
| R18E7444R2H1 | ATM | Nonsense | NM\_000051 | c.7792C>T | p.R2598\* | .033 | report | null | - | SNV | Truncation | 92 | 41 |
| R18E7444R2H1 | APC | Nonsense | NM\_000038 | c.70C>T | p.R24\* | .033 | report | null | - | SNV | Truncation | 90 | 41 |
| R18E7444R2H1 | FAT1 | Missense | NM\_005245 | c.6701G>T | p.G2234V | .745 | report | null | - | SNV | Substitution/Indel | 94 | 41 |
| R18E7444R2H1 | SPTA1 | Missense | NM\_003126 | c.6676G>T | p.A2226S | .582 | report | null | - | SNV | Substitution/Indel | 256 | 41 |
| R18E7444R2H1 | HGF | Missense | NM\_000601 | c.466A>G | p.I156V | .440 | reportVous | null | - | SNV | Substitution/Indel | 159 | 41 |
| R18E7444R2H1 | FGF19 | Missense | NM\_005117 | c.34A>T | p.I12F | .496 | reportVous | null | - | SNV | Substitution/Indel | 272 | 41 |
| R18E7444R2H1 | JAK3 | Frameshift | NM\_000215 | c.3351del | p.K1117Nfs\*21 | .274 | report | null | - | SNV | Truncation | 474 | 41 |
| R18E7444R2H1 | JAK3 | Missense | NM\_000215 | c.2604T>G | p.F868L | .380 | reportVous | null | - | SNV | Substitution/Indel | 276 | 41 |
| R18E7444R2H1 | RB1 | Nonsense | NM\_000321 | c.233G>A | p.W78\* | .746 | report | null | - | SNV | Truncation | 71 | 41 |
| R18E7444R2H1 | DNMT3A | Missense | NM\_022552 | c.2095G>T | p.G699C | .554 | report | null | - | SNV | Substitution/Indel | 305 | 41 |
| R18E7444R2H1 | KMT2D | Splicing Site | NM\_003482 | c.16413-6G>T | - | .489 | reportVous | null | - | SNV | Substitution/Indel | 266 | 41 |
| R18E7444R2H1 | KMT2D | Frameshift | NM\_003482 | C.14888\_14889insA | P.R4964Pfs\*6 | .011 | report | null | - | SNV | Truncation | 613 | 41 |
| R18E7444R2H1 | WT1 | Nonsense | NM\_024426 | c.1369C>T | p.Q457\* | .271 | reportVous | null | - | SNV | Truncation | 144 | 41 |
| R18K5806R1H2 | TNK2 | Amplification | NM\_005781 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.9 |
| R18K5806R1H2 | CTNNB1 | Missense | NM\_001904 | c.64G>A | p.V22I | .011 | report | null | - | SNV | Substitution/Indel | 270 | 6.9 |
| R18K5806R1H2 | RB1 | Frameshift | NM\_000321 | C.610del | P.E204Kfs\*10 | .135 | report | null | - | SNV | Truncation | 141 | 6.9 |
| R18K5806R1H2 | NCOR1 | Missense | NM\_006311 | c.5356C>T | p.P1786S | .188 | reportVous | null | - | SNV | Substitution/Indel | 245 | 6.9 |
| R18K5806R1H2 | KDM6A | Missense | NM\_021140 | c.2264C>T | p.T755M | .013 | report | null | - | SNV | Substitution/Indel | 226 | 6.9 |
| R18K5806R1H2 | PDGFRB | Missense | NM\_002609 | c.2135G>T | p.S712I | .140 | reportVous | null | - | SNV | Substitution/Indel | 769 | 6.9 |
| R18K5806R1H2 | FGFR2 | Missense | NM\_000141 | c.1835G>T | p.R612I | .124 | report | null | - | SNV | Substitution/Indel | 185 | 6.9 |
| R18K5806R1H2 | GATA4 | Missense | NM\_002052 | c.1232C>A | p.A411E | .120 | report | null | - | SNV | Substitution/Indel | 407 | 6.9 |
| R18K5806R1H1 | AKT2 | Amplification | NM\_001626 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 8.5 |
| R18K5806R1H1 | FGF12 | Amplification | NM\_021032 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 8.5 |
| R18K5806R1H1 | TNK2 | Amplification | NM\_005781 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 8.5 |
| R18K5806R1H1 | NTRK3 | Rearrangement | NM\_002530 | NTRK3-Intergenic | - | - | reportVous | null | - | FUS2 | Fusion/Rearrangement | - | 8.5 |
| R18K5806R1H1 | NTRK3 | Rearrangement | NM\_002530 | intergenic@3-NTRK3 | - | - | reportVous | null | - | FUS2 | Fusion/Rearrangement | - | 8.5 |
| R18K5806R1H1 | NTRK3 | Rearrangement | NM\_002530 | intergenic@2-NTRK3 | - | - | report | null | - | FUS2 | Fusion/Rearrangement | - | 8.5 |
| R18K5806R1H1 | FGFR1 | Missense | NM\_023110 | c.748C>T | p.R250W | .011 | report | null | - | SNV | Substitution/Indel | 738 | 8.5 |
| R18K5806R1H1 | RB1 | Frameshift | NM\_000321 | C.610del | P.E204Kfs\*10 | .267 | report | null | - | SNV | Truncation | 446 | 8.5 |
| R18K5806R1H1 | MTOR | Missense | NM\_004958 | c.4835G>A | p.R1612Q | .011 | report | null | - | SNV | Substitution/Indel | 627 | 8.5 |
| R18K5806R1H1 | CFTR | Splicing Site | NM\_000492 | c.2909-11G>T | - | .186 | reportVous | null | - | SNV | Substitution/Indel | 97 | 8.5 |
| R18K5806R1H1 | NCOR1 | Missense | NM\_006311 | c.1880G>A | p.R627Q | .013 | report | null | - | SNV | Substitution/Indel | 319 | 8.5 |
| R18K5806R1H1 | TP63 | Missense | NM\_003722 | c.1433T>A | p.V478E | .128 | report | null | - | SNV | Substitution/Indel | 632 | 8.5 |
| R18K5806R1H1 | TNK2 | Missense | NM\_005781 | c.1336G>A | p.V446M | .065 | reportVous | null | - | SNV | Substitution/Indel | 3048 | 8.5 |
| R18K5806R1H1 | QKI | Splicing Site | NM\_206855 | C.\*917dup | - | .233 | reportVous | null | - | SNV | Substitution/Indel | 850 | 8.5 |
| R18K5802R1H2 | CCND1 | Amplification | NM\_053056 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 13.1 |
| R18K5802R1H2 | FGF19 | Amplification | NM\_005117 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 13.1 |
| R18K5802R1H2 | FGF4 | Amplification | NM\_002007 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 13.1 |
| R18K5802R1H2 | FGF3 | Amplification | NM\_005247 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 13.1 |
| R18K5802R1H2 | EMSY | Amplification | NM\_020193 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 13.1 |
| R18K5802R1H2 | NFKBIA | Amplification | NM\_020529 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 13.1 |
| R18K5802R1H2 | NKX2-1 | Amplification | NM\_003317 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 13.1 |
| R18K5802R1H2 | TP53 | Nonsense | NM\_000546 | c.702C>G | p.Y234\* | .358 | report | null | - | SNV | Truncation | 430 | 13.1 |
| R18K5802R1H2 | FAT1 | Nonsense | NM\_005245 | c.5735C>G | p.S1912\* | .275 | report | null | - | SNV | Truncation | 734 | 13.1 |
| R18K5802R1H2 | NOTCH3 | Missense | NM\_000435 | c.5443G>A | p.D1815N | .219 | reportVous | null | - | SNV | Substitution/Indel | 913 | 13.1 |
| R18K5802R1H2 | FAT1 | Nonsense | NM\_005245 | c.4075G>T | p.E1359\* | .283 | report | null | - | SNV | Truncation | 600 | 13.1 |
| R18K5802R1H2 | FAM135B | Splicing Site | NM\_015912 | c.4016-10C>A | - | .061 | reportVous | null | - | SNV | Substitution/Indel | 831 | 13.1 |
| R18K5802R1H2 | KDM6A | Frameshift | NM\_021140 | C.3711del | P.I1237Mfs\*28 | .243 | report | null | - | SNV | Truncation | 473 | 13.1 |
| R18K5802R1H2 | CDKN2A | Frameshift | NM\_000077 | C.332del | P.G111Afs\*35 | .211 | report | null | - | SNV | Truncation | 3201 | 13.1 |
| R18K5802R1H2 | ERBB4 | Missense | NM\_005235 | c.3153C>A | p.S1051R | .142 | report | null | - | SNV | Substitution/Indel | 353 | 13.1 |
| R18K5802R1H2 | SRSF2 | Missense | NM\_003016 | c.248\_249delinsAA | p.R83Q | .091 | reportVous | null | - | SNV | Substitution/Indel | 3729 | 13.1 |
| R18K5802R1H2 | ABL1 | Missense | NM\_007313 | c.2105C>T | p.S702F | .225 | reportVous | null | - | SNV | Substitution/Indel | 1078 | 13.1 |
| R18K5802R1H2 | BAP1 | Missense | NM\_004656 | c.1630A>G | p.I544V | .325 | reportVous | null | - | SNV | Substitution/Indel | 1063 | 13.1 |
| R18K5802R1H2 | BTG1 | Missense | NM\_001731 | c.154T>G | p.Y52D | .054 | reportVous | null | - | SNV | Substitution/Indel | 739 | 13.1 |
| R18K5802R1H2 | KMT2D | Nonsense | NM\_003482 | c.13450C>T | p.R4484\* | .036 | report | null | - | SNV | Truncation | 1602 | 13.1 |
| R18K5802R1H1 | DPYD | Amplification | NM\_000110 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 14.7 |
| R18K5802R1H1 | CREB3L1 | Amplification | NM\_052854 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 14.7 |
| R18K5802R1H1 | CCND1 | Amplification | NM\_053056 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| R18K5802R1H1 | FGF19 | Amplification | NM\_005117 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| R18K5802R1H1 | FGF4 | Amplification | NM\_002007 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| R18K5802R1H1 | FGF3 | Amplification | NM\_005247 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| R18K5802R1H1 | EMSY | Amplification | NM\_020193 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| R18K5802R1H1 | STK24 | Amplification | NM\_003576 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| R18K5802R1H1 | FGF14 | Amplification | NM\_004115 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| R18K5802R1H1 | RICTOR | Amplification | NM\_152756 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| R18K5802R1H1 | FGF10 | Amplification | NM\_004465 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| R18K5802R1H1 | RAD54B | Amplification | NM\_012415 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 14.7 |
| R18K5802R1H1 | MYC | Amplification | NM\_002467 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| R18K5802R1H1 | JUN | Frameshift | NM\_002228 | C.930\_931del | P.K311Sfs\*6 | .182 | reportVous | null | - | SNV | Truncation | 1969 | 14.7 |
| R18K5802R1H1 | USP6 | Splicing Site | NM\_001304284 | c.73-9G>T | - | .270 | reportVous | null | - | SNV | Substitution/Indel | 418 | 14.7 |
| R18K5802R1H1 | TP53 | Nonsense | NM\_000546 | c.702C>G | p.Y234\* | .784 | report | null | - | SNV | Truncation | 334 | 14.7 |
| R18K5802R1H1 | ATM | Nonsense | NM\_000051 | c.6100C>T | p.R2034\* | .017 | report | null | - | SNV | Truncation | 179 | 14.7 |
| R18K5802R1H1 | NOTCH3 | Missense | NM\_000435 | c.5443G>A | p.D1815N | .363 | reportVous | null | - | SNV | Substitution/Indel | 1140 | 14.7 |
| R18K5802R1H1 | CDKN2A | Frameshift | NM\_000077 | C.332del | P.G111Afs\*35 | .420 | report | null | - | SNV | Truncation | 3554 | 14.7 |
| R18K5802R1H1 | KMT2D | Frameshift | NM\_003482 | C.2533dup | P.R845Pfs\*3 | .275 | report | null | - | SNV | Truncation | 1721 | 14.7 |
| R18K5802R1H1 | SRSF2 | Missense | NM\_003016 | c.248\_249delinsAA | p.R83Q | .231 | reportVous | null | - | SNV | Substitution/Indel | 2547 | 14.7 |
| R18K5802R1H1 | ABL1 | Missense | NM\_007313 | c.2105C>T | p.S702F | .213 | reportVous | null | - | SNV | Substitution/Indel | 1353 | 14.7 |
| R18K5802R1H1 | BAP1 | Missense | NM\_004656 | c.1630A>G | p.I544V | .826 | reportVous | null | - | SNV | Substitution/Indel | 625 | 14.7 |
| R18K5802R1H1 | BTG1 | Missense | NM\_001731 | c.154T>G | p.Y52D | .445 | reportVous | null | - | SNV | Substitution/Indel | 308 | 14.7 |
| R18K5802R1H1 | KMT2D | Nonsense | NM\_003482 | c.13450C>T | p.R4484\* | .380 | report | null | - | SNV | Truncation | 1299 | 14.7 |
| R18K5800R1H2 | NKX2-1 | Amplification | NM\_003317 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 7.7 |
| R18K5800R1H2 | XRCC3 | Amplification | NM\_001100119 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 7.7 |
| R18K5800R1H2 | AKT1 | Amplification | NM\_001014432 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 7.7 |
| R18K5800R1H2 | RB1 | Frameshift | NM\_000321 | C.869dup | P.N290Kfs\*20 | .203 | report | null | - | SNV | Truncation | 291 | 7.7 |
| R18K5800R1H2 | KLHL6 | Missense | NM\_130446 | c.743C>T | p.S248L | .156 | reportVous | null | - | SNV | Substitution/Indel | 943 | 7.7 |
| R18K5800R1H2 | TP53 | Missense | NM\_000546 | c.711G>A | p.M237I | .262 | report | null | - | SNV | Substitution/Indel | 507 | 7.7 |
| R18K5800R1H2 | B2M | Splicing Site | NM\_004048 | c.67+1G>A | - | .023 | report | null | - | SNV | Substitution/Indel | 571 | 7.7 |
| R18K5800R1H2 | FANCM | Missense | NM\_020937 | c.5396G>C | p.R1799T | .061 | reportVous | null | - | SNV | Substitution/Indel | 653 | 7.7 |
| R18K5800R1H2 | AKT1 | Missense | NM\_005163 | c.49G>A | p.E17K | .354 | report | null | - | SNV | Substitution/Indel | 1128 | 7.7 |
| R18K5800R1H2 | EP300 | Nonsense | NM\_001429 | c.478C>T | p.Q160\* | .122 | report | null | - | SNV | Truncation | 515 | 7.7 |
| R18K5800R1H2 | B2M | Frameshift | NM\_004048 | C.41\_44del | P.S14Ffs\*29 | .080 | report | null | - | SNV | Truncation | 952 | 7.7 |
| R18K5800R1H2 | CAMTA1 | Missense | NM\_015215 | c.3434G>A | p.R1145K | .108 | reportVous | null | - | SNV | Substitution/Indel | 630 | 7.7 |
| R18K5800R1H2 | EGFR | Missense | NM\_005228 | c.2573T>G | p.L858R | .138 | report | null | - | SNV | Substitution/Indel | 665 | 7.7 |
| R18K5800R1H2 | B2M | Missense | NM\_004048 | c.1A>G | p.M1V | .072 | report | null | - | SNV | Substitution/Indel | 625 | 7.7 |
| R18K5800R1H2 | PIK3CA | Missense | NM\_006218 | c.1624G>A | p.E542K | .203 | report | null | - | SNV | Substitution/Indel | 449 | 7.7 |
| R18K5800R1H2 | BTK | Missense | NM\_000061 | c.1279G>C | p.V427L | .062 | report | null | - | SNV | Substitution/Indel | 712 | 7.7 |
| R18K5800R1H1 | NKX2-1 | Amplification | NM\_003317 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| R18K5800R1H1 | XRCC3 | Amplification | NM\_001100119 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 14.7 |
| R18K5800R1H1 | AKT1 | Amplification | NM\_001014432 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| R18K5800R1H1 | TERT | Amplification | NM\_198253 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| R18K5800R1H1 | SPINK1 | Amplification | NM\_003122 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 14.7 |
| R18K5800R1H1 | RB1 | Frameshift | NM\_000321 | C.869dup | P.N290Kfs\*20 | .274 | report | null | - | SNV | Truncation | 492 | 14.7 |
| R18K5800R1H1 | ATM | Missense | NM\_000051 | c.8495G>A | p.R2832H | .012 | report | null | - | SNV | Substitution/Indel | 487 | 14.7 |
| R18K5800R1H1 | SMARCD1 | Missense | NM\_003076 | c.811C>G | p.Q271E | .266 | reportVous | null | - | SNV | Substitution/Indel | 657 | 14.7 |
| R18K5800R1H1 | KLHL6 | Missense | NM\_130446 | c.743C>T | p.S248L | .205 | reportVous | null | - | SNV | Substitution/Indel | 881 | 14.7 |
| R18K5800R1H1 | TP53 | Missense | NM\_000546 | c.711G>A | p.M237I | .636 | report | null | - | SNV | Substitution/Indel | 448 | 14.7 |
| R18K5800R1H1 | LRP1B | Missense | NM\_018557 | c.6826T>A | p.Y2276N | .012 | report | null | - | SNV | Substitution/Indel | 580 | 14.7 |
| R18K5800R1H1 | FANCM | Missense | NM\_020937 | c.5396G>C | p.R1799T | .138 | reportVous | null | - | SNV | Substitution/Indel | 955 | 14.7 |
| R18K5800R1H1 | AKT1 | Missense | NM\_005163 | c.49G>A | p.E17K | .402 | report | null | - | SNV | Substitution/Indel | 1900 | 14.7 |
| R18K5800R1H1 | EP300 | Nonsense | NM\_001429 | c.478C>T | p.Q160\* | .233 | report | null | - | SNV | Truncation | 533 | 14.7 |
| R18K5800R1H1 | NF1 | Missense | NM\_001042492 | c.4282G>C | p.D1428H | .213 | report | null | - | SNV | Substitution/Indel | 728 | 14.7 |
| R18K5800R1H1 | DDR2 | Missense | NM\_001014796 | c.407A>C | p.H136P | .013 | report | null | - | SNV | Substitution/Indel | 634 | 14.7 |
| R18K5800R1H1 | CHD4 | Missense | NM\_001273 | c.3778C>T | p.R1260C | .012 | report | null | - | SNV | Substitution/Indel | 430 | 14.7 |
| R18K5800R1H1 | PBRM1 | Missense | NM\_018313 | c.270G>T | p.Q90H | .011 | report | null | - | SNV | Substitution/Indel | 262 | 14.7 |
| R18K5800R1H1 | EGFR | Missense | NM\_005228 | c.2573T>G | p.L858R | .247 | report | null | - | SNV | Substitution/Indel | 960 | 14.7 |
| R18K5800R1H1 | PIK3CA | Missense | NM\_006218 | c.1624G>A | p.E542K | .166 | report | null | - | SNV | Substitution/Indel | 757 | 14.7 |
| R18K5800R1H1 | EPHA3 | Missense | NM\_005233 | c.1516G>A | p.V506I | .012 | report | null | - | SNV | Substitution/Indel | 486 | 14.7 |
| R18K5800R1H1 | BTK | Missense | NM\_000061 | c.1279G>C | p.V427L | .108 | report | null | - | SNV | Substitution/Indel | 964 | 14.7 |
| R18K5799R1H2 | STK11 | Amplification | NM\_000455 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 0.0 |
| R18K5799R1H2 | DOT1L | Amplification | NM\_032482 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 0.0 |
| R18K5799R1H2 | NOTCH3 | Amplification | NM\_000435 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 0.0 |
| R18K5799R1H2 | SDHA | Amplification | NM\_004168 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 0.0 |
| R18K5799R1H2 | TERT | Amplification | NM\_198253 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 0.0 |
| R18K5799R1H2 | CARD11 | Amplification | NM\_032415 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 0.0 |
| R18K5799R1H2 | PMS2 | Amplification | NM\_000535 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 0.0 |
| R18K5799R1H2 | RAC1 | Amplification | NM\_006908 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 0.0 |
| R18K5799R1H2 | TP53 | In\_Frame\_Indel | NM\_000546 | C.758\_760del | P.T253del | .409 | report | null | - | SNV | Substitution/Indel | 580 | 0.0 |
| R18K5799R1H2 | RB1 | Splicing Site | NM\_000321 | c.2490-3C>T | - | .336 | reportVous | null | - | SNV | Substitution/Indel | 131 | 0.0 |
| R18K5799R1H2 | SETBP1 | Missense | NM\_015559 | c.2315C>T | p.S772L | .146 | reportVous | null | - | SNV | Substitution/Indel | 616 | 0.0 |
| R18K5799R1H2 | EGFR | In\_Frame\_Indel | NM\_005228 | C.2249\_2277delinsGAAAT | P.A750\_I759delinsGN | .323 | report | null | - | SNV | Substitution/Indel | 1325 | 0.0 |
| R18K5799R1H1 | JAK2 | Deletion | NM\_004972 | Deletion | - | - | report | null | - | CNV | Gene Homozygous Deletion | - | 0.0 |
| R18K5799R1H1 | CD274 | Deletion | NM\_014143 | Deletion | - | - | report | null | - | CNV | Gene Homozygous Deletion | - | 0.0 |
| R18K5799R1H1 | PDCD1LG2 | Deletion | NM\_025239 | Deletion | - | - | report | null | - | CNV | Gene Homozygous Deletion | - | 0.0 |
| R18K5799R1H1 | STK11 | Amplification | NM\_000455 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 0.0 |
| R18K5799R1H1 | DOT1L | Amplification | NM\_032482 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 0.0 |
| R18K5799R1H1 | SDHA | Amplification | NM\_004168 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 0.0 |
| R18K5799R1H1 | TERT | Amplification | NM\_198253 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 0.0 |
| R18K5799R1H1 | CARD11 | Amplification | NM\_032415 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 0.0 |
| R18K5799R1H1 | PMS2 | Amplification | NM\_000535 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 0.0 |
| R18K5799R1H1 | RAC1 | Amplification | NM\_006908 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 0.0 |
| R18K5799R1H1 | LIMK1 | Amplification | NM\_001204426 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 0.0 |
| R18K5799R1H1 | TP53 | In\_Frame\_Indel | NM\_000546 | C.758\_760del | P.T253del | .837 | report | null | - | SNV | Substitution/Indel | 818 | 0.0 |
| R18K5799R1H1 | RB1 | Splicing Site | NM\_000321 | c.2490-3C>T | - | .778 | reportVous | null | - | SNV | Substitution/Indel | 54 | 0.0 |
| R18K5799R1H1 | SETBP1 | Missense | NM\_015559 | c.2315C>T | p.S772L | .238 | reportVous | null | - | SNV | Substitution/Indel | 759 | 0.0 |
| R18K5799R1H1 | EGFR | In\_Frame\_Indel | NM\_005228 | C.2249\_2277delinsGAAAT | P.A750\_I759delinsGN | .386 | report | null | - | SNV | Substitution/Indel | 1350 | 0.0 |
| R18E7468R1H2 | CCND1 | Amplification | NM\_053056 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| R18E7468R1H2 | FGF19 | Amplification | NM\_005117 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| R18E7468R1H2 | FGF4 | Amplification | NM\_002007 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| R18E7468R1H2 | FGF3 | Amplification | NM\_005247 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| R18E7468R1H2 | PIK3CA | Amplification | NM\_006218 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| R18E7468R1H2 | SOX2 | Amplification | NM\_003106 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| R18E7468R1H2 | ATM | Missense | NM\_000051 | c.8710G>C | p.E2904Q | .187 | report | null | - | SNV | Substitution/Indel | 310 | 14.7 |
| R18E7468R1H2 | EPHA7 | Splicing Site | NM\_004440 | c.832+10G>T | - | .241 | reportVous | null | - | SNV | Substitution/Indel | 456 | 14.7 |
| R18E7468R1H2 | LRP2 | Missense | NM\_004525 | c.6914A>T | p.K2305M | .265 | reportVous | null | - | SNV | Substitution/Indel | 714 | 14.7 |
| R18E7468R1H2 | ROS1 | Missense | NM\_002944 | c.6353G>T | p.R2118I | .088 | reportVous | null | - | SNV | Substitution/Indel | 487 | 14.7 |
| R18E7468R1H2 | NRG1 | Missense | NM\_013962 | c.580C>G | p.P194A | .258 | reportVous | null | - | SNV | Substitution/Indel | 2912 | 14.7 |
| R18E7468R1H2 | TP53 | Splicing Site | NM\_000546 | c.560-1G>T | - | .298 | report | null | - | SNV | Substitution/Indel | 466 | 14.7 |
| R18E7468R1H2 | HSD3B1 | Missense | NM\_000862 | c.457G>T | p.A153S | .230 | report | null | - | SNV | Substitution/Indel | 818 | 14.7 |
| R18E7468R1H2 | CIC | Missense | NM\_015125 | c.283G>A | p.E95K | .260 | report | null | - | SNV | Substitution/Indel | 943 | 14.7 |
| R18E7468R1H2 | PIK3C2B | Splicing Site | NM\_002646 | c.2679-6T>A | - | .114 | reportVous | null | - | SNV | Substitution/Indel | 621 | 14.7 |
| R18E7468R1H2 | CDH1 | Missense | NM\_004360 | c.2524G>A | p.A842T | .015 | report | null | - | SNV | Substitution/Indel | 404 | 14.7 |
| R18E7468R1H2 | EP300 | Nonsense | NM\_001429 | c.193C>T | p.Q65\* | .015 | report | null | - | SNV | Truncation | 524 | 14.7 |
| R18E7468R1H2 | EPHA3 | Missense | NM\_005233 | c.1898G>T | p.G633V | .270 | report | null | - | SNV | Substitution/Indel | 588 | 14.7 |
| R18E7468R1H2 | CDKN2A | Splicing Site | NM\_000077 | c.151-2A>G | - | .362 | report | null | - | SNV | Substitution/Indel | 3422 | 14.7 |
| R18E7468R1H2 | GLI3 | Missense | NM\_000168 | c.1411A>G | p.K471E | .219 | reportVous | null | - | SNV | Substitution/Indel | 694 | 14.7 |
| R18E7468R1H2 | PRKDC | Missense | NM\_006904 | c.10855C>G | p.P3619A | .139 | reportVous | null | - | SNV | Substitution/Indel | 575 | 14.7 |
| R18E7468R1H2 | NRG3 | Missense | NM\_001010848 | c.1072C>G | p.Q358E | .036 | report | null | - | SNV | Substitution/Indel | 362 | 14.7 |
| R18E7468R1H1 | EPHA5 | Amplification | NM\_004439 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 3.8 |
| R18E7468R1H1 | PKD2 | Amplification | NM\_000297 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 3.8 |
| R18E7468R1H1 | MYB | Amplification | NM\_001130173 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 3.8 |
| R18E7468R1H1 | TP53 | Frameshift | NM\_000546 | C.988del | P.L330Ffs\*15 | .399 | report | null | - | SNV | Truncation | 449 | 3.8 |
| R18E7468R1H1 | MAP3K1 | Missense | NM\_005921 | c.719C>T | p.A240V | .015 | report | null | - | SNV | Substitution/Indel | 342 | 3.8 |
| R18E7468R1H1 | MAGI2 | Splicing Site | NM\_012301 | c.538+3A>G | - | .452 | reportVous | null | - | SNV | Substitution/Indel | 396 | 3.8 |
| R18E7468R1H1 | PIK3CA | Missense | NM\_006218 | c.333G>T | p.K111N | .416 | report | null | - | SNV | Substitution/Indel | 543 | 3.8 |
| R18E7468R1H1 | TIE1 | Splicing Site | NM\_005424 | c.2731+12G>T | - | .478 | reportVous | null | - | SNV | Substitution/Indel | 253 | 3.8 |
| R18E7468R1H1 | KDR | Missense | NM\_002253 | c.2207C>A | p.T736N | .418 | reportVous | null | - | SNV | Substitution/Indel | 545 | 3.8 |
| R18E7468R1H1 | RB1 | Splicing Site | NM\_000321 | c.1695+5G>A | - | .874 | reportVous | null | - | SNV | Substitution/Indel | 198 | 3.8 |
| R18E7468R1H1 | NOTCH2 | Nonsense | NM\_024408 | c.1252G>T | p.E418\* | .386 | report | null | - | SNV | Truncation | 642 | 3.8 |
| R18E7467R1H2 | CCNE1 | Amplification | NM\_001238 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 5.4 |
| R18E7467R1H2 | AKT2 | Amplification | NM\_001626 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 5.4 |
| R18E7467R1H2 | VHL | Missense | NM\_000551 | c.500G>A | p.R167Q | .403 | report | null | - | SNV | Substitution/Indel | 221 | 5.4 |
| R18E7467R1H2 | NFKBIA | Missense | NM\_020529 | c.482G>C | p.G161A | .014 | reportVous | null | - | SNV | Substitution/Indel | 583 | 5.4 |
| R18E7467R1H2 | GRIN2A | Missense | NM\_000833 | c.4288C>T | p.P1430S | .246 | reportVous | null | - | SNV | Substitution/Indel | 195 | 5.4 |
| R18E7467R1H2 | CREBBP | Nonsense | NM\_004380 | c.4150G>T | p.E1384\* | .010 | report | null | - | SNV | Truncation | 288 | 5.4 |
| R18E7467R1H2 | PIK3CA | Missense | NM\_006218 | c.333G>T | p.K111N | .012 | report | null | - | SNV | Substitution/Indel | 246 | 5.4 |
| R18E7467R1H2 | TP53 | Frameshift | NM\_000546 | c.254\_256delinsTA | p.P85Lfs\*38 | .307 | report | null | - | SNV | Truncation | 446 | 5.4 |
| R18E7467R1H2 | RAD54L | Missense | NM\_001142548 | c.1588G>C | p.E530Q | .024 | reportVous | null | - | SNV | Substitution/Indel | 294 | 5.4 |
| R18E7467R1H2 | RAD51B | Missense | NM\_001321821 | c.1123G>C | p.D375H | .038 | reportVous | null | - | SNV | Substitution/Indel | 399 | 5.4 |
| R18E7467R1H2 | FAT4 | Missense | NM\_024582 | c.11219A>G | p.Q3740R | .242 | reportVous | null | - | SNV | Substitution/Indel | 252 | 5.4 |
| R18E7467R1H1 | NKX2-1 | Amplification | NM\_003317 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 9.2 |
| R18E7467R1H1 | CCNE1 | Amplification | NM\_001238 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 9.2 |
| R18E7467R1H1 | AKT2 | Amplification | NM\_001626 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 9.2 |
| R18E7467R1H1 | MYC | Amplification | NM\_002467 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 9.2 |
| R18E7467R1H1 | VHL | Missense | NM\_000551 | c.500G>A | p.R167Q | .524 | report | null | - | SNV | Substitution/Indel | 296 | 9.2 |
| R18E7467R1H1 | NFKBIA | Missense | NM\_020529 | c.482G>C | p.G161A | .239 | reportVous | null | - | SNV | Substitution/Indel | 1174 | 9.2 |
| R18E7467R1H1 | GRIN2A | Missense | NM\_000833 | c.4288C>T | p.P1430S | .382 | reportVous | null | - | SNV | Substitution/Indel | 359 | 9.2 |
| R18E7467R1H1 | SPTA1 | Missense | NM\_003126 | c.4237G>T | p.A1413S | .071 | reportVous | null | - | SNV | Substitution/Indel | 436 | 9.2 |
| R18E7467R1H1 | TP53 | Frameshift | NM\_000546 | c.254\_256delinsTA | p.P85Lfs\*38 | .435 | report | null | - | SNV | Truncation | 421 | 9.2 |
| R18E7467R1H1 | RAD54L | Missense | NM\_001142548 | c.1588G>C | p.E530Q | .182 | reportVous | null | - | SNV | Substitution/Indel | 402 | 9.2 |
| R18E7467R1H1 | RAD51B | Missense | NM\_001321821 | c.1123G>C | p.D375H | .213 | reportVous | null | - | SNV | Substitution/Indel | 788 | 9.2 |
| R18E7467R1H1 | FAT4 | Missense | NM\_024582 | c.11219A>G | p.Q3740R | .489 | reportVous | null | - | SNV | Substitution/Indel | 315 | 9.2 |
| R18E7467R1H1 | TMPRSS2 | Missense | NM\_001135099 | c.1068C>G | p.F356L | .172 | reportVous | null | - | SNV | Substitution/Indel | 325 | 9.2 |
| R18E7466R1H2 | PRKCI | Amplification | NM\_002740 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 3.8 |
| R18E7466R1H2 | SOX2 | Amplification | NM\_003106 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 3.8 |
| R18E7466R1H2 | TP53 | Splicing Site | NM\_000546 | c.96+1G>A | - | .213 | report | null | - | SNV | Substitution/Indel | 559 | 3.8 |
| R18E7466R1H2 | WEE1 | Frameshift | NM\_003390 | c.82\_101dup | p.E34Dfs\*207 | .010 | report | null | - | SNV | Truncation | 2536 | 3.8 |
| R18E7466R1H2 | RAF1 | Nonsense | NM\_002880 | c.564dup | p.N189\* | .065 | reportVous | null | - | SNV | Truncation | 693 | 3.8 |
| R18E7466R1H2 | RB1 | Nonsense | NM\_000321 | c.227T>G | p.L76\* | .168 | report | null | - | SNV | Truncation | 364 | 3.8 |
| R18E7466R1H1 | EPHA3 | Deletion | NM\_005233 | Deletion | - | - | report | null | - | CNV | Gene Homozygous Deletion | - | 8.5 |
| R18E7466R1H1 | TBX3 | Amplification | NM\_016569 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 8.5 |
| R18E7466R1H1 | CCNE1 | Amplification | NM\_001238 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 8.5 |
| R18E7466R1H1 | AKT2 | Amplification | NM\_001626 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 8.5 |
| R18E7466R1H1 | SOX2 | Amplification | NM\_003106 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 8.5 |
| R18E7466R1H1 | RUNX1T1 | Amplification | NM\_001198628 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 8.5 |
| R18E7466R1H1 | PTK2 | Amplification | NM\_001199649 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 8.5 |
| R18E7466R1H1 | ERBB3 | Missense | NM\_001982 | c.994G>A | p.E332K | .122 | report | null | - | SNV | Substitution/Indel | 376 | 8.5 |
| R18E7466R1H1 | TP53 | Splicing Site | NM\_000546 | c.96+1G>A | - | .404 | report | null | - | SNV | Substitution/Indel | 213 | 8.5 |
| R18E7466R1H1 | FANCL | Missense | NM\_018062 | c.878C>T | p.P293L | .206 | reportVous | null | - | SNV | Substitution/Indel | 199 | 8.5 |
| R18E7466R1H1 | FAT3 | Missense | NM\_001008781 | c.6928G>A | p.V2310I | .259 | reportVous | null | - | SNV | Substitution/Indel | 193 | 8.5 |
| R18E7466R1H1 | FGF10 | Missense | NM\_004465 | c.572A>C | p.K191T | .218 | reportVous | null | - | SNV | Substitution/Indel | 193 | 8.5 |
| R18E7466R1H1 | BLM | Missense | NM\_000057 | c.3278C>T | p.S1093L | .144 | reportVous | null | - | SNV | Substitution/Indel | 368 | 8.5 |
| R18E7466R1H1 | TAF1 | Missense | NM\_004606 | c.3037G>C | p.D1013H | .523 | reportVous | null | - | SNV | Substitution/Indel | 155 | 8.5 |
| R18E7466R1H1 | NFE2L2 | Missense | NM\_006164 | c.235G>A | p.E79K | .269 | report | null | - | SNV | Substitution/Indel | 372 | 8.5 |
| R18E7466R1H1 | RB1 | Nonsense | NM\_000321 | c.227T>G | p.L76\* | .287 | report | null | - | SNV | Truncation | 150 | 8.5 |
| R18E7466R1H1 | FAT1 | Missense | NM\_005245 | c.13597G>A | p.E4533K | .037 | report | null | - | SNV | Substitution/Indel | 295 | 8.5 |
| R18E7466R1H1 | DDR1 | Missense | NM\_001297652 | c.1118C>T | p.S373F | .263 | reportVous | null | - | SNV | Substitution/Indel | 358 | 8.5 |
| R18E7466R1H1 | AKT3 | Missense | NM\_005465 | c.101C>T | p.S34L | .274 | report | null | - | SNV | Substitution/Indel | 146 | 8.5 |
| R18E7465R1H2 | RANBP2 | Splicing Site | NM\_006267 | c.9035-10T>A | - | .097 | reportVous | null | - | SNV | Substitution/Indel | 497 | 7.7 |
| R18E7465R1H2 | FLT3 | Missense | NM\_004119 | c.836A>G | p.H279R | .189 | reportVous | null | - | SNV | Substitution/Indel | 476 | 7.7 |
| R18E7465R1H2 | TP53 | Nonsense | NM\_000546 | c.796G>T | p.G266\* | .187 | report | null | - | SNV | Truncation | 710 | 7.7 |
| R18E7465R1H2 | FAT1 | Missense | NM\_005245 | c.5120G>T | p.G1707V | .188 | reportVous | null | - | SNV | Substitution/Indel | 357 | 7.7 |
| R18E7465R1H2 | BIRC5 | Missense | NM\_001012270 | c.395G>T | p.G132V | .116 | reportVous | null | - | SNV | Substitution/Indel | 584 | 7.7 |
| R18E7465R1H2 | ASXL1 | Missense | NM\_015338 | c.3809G>C | p.R1270T | .180 | reportVous | null | - | SNV | Substitution/Indel | 640 | 7.7 |
| R18E7465R1H2 | MYB | Splicing Site | NM\_001130173 | c.1566+10A>T | - | .177 | reportVous | null | - | SNV | Substitution/Indel | 818 | 7.7 |
| R18E7465R1H2 | CASP8 | Missense | NM\_001228 | c.1295C>T | p.P432L | .032 | report | null | - | SNV | Substitution/Indel | 728 | 7.7 |
| R18E7465R1H2 | SF3B1 | Missense | NM\_012433 | c.1219A>T | p.M407L | .140 | report | null | - | SNV | Substitution/Indel | 350 | 7.7 |
| R18E7465R1H2 | CHD2 | In\_Frame\_Indel | NM\_001271 | c.1071\_1079del | p.D359\_E361del | .177 | reportVous | null | - | SNV | Substitution/Indel | 835 | 7.7 |
| R18E7465R1H1 | RB1 | Deletion | NM\_000321 | Deletion | - | - | report | null | - | CNV | Gene Homozygous Deletion | - | 7.7 |
| R18E7465R1H1 | KDM5A | Amplification | NM\_001042603 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 7.7 |
| R18E7465R1H1 | PRKCI | Amplification | NM\_002740 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 7.7 |
| R18E7465R1H1 | PIK3CA | Amplification | NM\_006218 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 7.7 |
| R18E7465R1H1 | SOX2 | Amplification | NM\_003106 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 7.7 |
| R18E7465R1H1 | KLHL6 | Amplification | NM\_130446 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 7.7 |
| R18E7465R1H1 | MAP3K13 | Amplification | NM\_001242314 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 7.7 |
| R18E7465R1H1 | ETV5 | Amplification | NM\_004454 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 7.7 |
| R18E7465R1H1 | BCL6 | Amplification | NM\_001706 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 7.7 |
| R18E7465R1H1 | FGF12 | Amplification | NM\_021032 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 7.7 |
| R18E7465R1H1 | TNK2 | Amplification | NM\_005781 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 7.7 |
| R18E7465R1H1 | RANBP2 | Splicing Site | NM\_006267 | c.9035-10T>A | - | .418 | reportVous | null | - | SNV | Substitution/Indel | 354 | 7.7 |
| R18E7465R1H1 | FLT3 | Missense | NM\_004119 | c.836A>G | p.H279R | .904 | reportVous | null | - | SNV | Substitution/Indel | 343 | 7.7 |
| R18E7465R1H1 | TP53 | Nonsense | NM\_000546 | c.796G>T | p.G266\* | .876 | report | null | - | SNV | Truncation | 566 | 7.7 |
| R18E7465R1H1 | FAT1 | Missense | NM\_005245 | c.5120G>T | p.G1707V | .889 | reportVous | null | - | SNV | Substitution/Indel | 270 | 7.7 |
| R18E7465R1H1 | BIRC5 | Missense | NM\_001012270 | c.395G>T | p.G132V | .346 | reportVous | null | - | SNV | Substitution/Indel | 714 | 7.7 |
| R18E7465R1H1 | ASXL1 | Missense | NM\_015338 | c.3809G>C | p.R1270T | .479 | reportVous | null | - | SNV | Substitution/Indel | 871 | 7.7 |
| R18E7465R1H1 | PLCG2 | Missense | NM\_002661 | c.2300C>T | p.P767L | .011 | report | null | - | SNV | Substitution/Indel | 453 | 7.7 |
| R18E7465R1H1 | MYB | Splicing Site | NM\_001130173 | c.1566+10A>T | - | .438 | reportVous | null | - | SNV | Substitution/Indel | 1093 | 7.7 |
| R18E7465R1H1 | SF3B1 | Missense | NM\_012433 | c.1219A>T | p.M407L | .466 | report | null | - | SNV | Substitution/Indel | 204 | 7.7 |
| R18E7465R1H1 | CHD2 | In\_Frame\_Indel | NM\_001271 | c.1071\_1079del | p.D359\_E361del | .663 | reportVous | null | - | SNV | Substitution/Indel | 885 | 7.7 |
| R18E7463R1H2 | LRP2 | Missense | NM\_004525 | c.8779G>A | p.G2927S | .051 | report | null | - | SNV | Substitution/Indel | 370 | 6.9 |
| R18E7463R1H2 | CIC | Missense | NM\_015125 | c.74C>T | p.T25M | .050 | reportVous | null | - | SNV | Substitution/Indel | 787 | 6.9 |
| R18E7463R1H2 | APC | Missense | NM\_000038 | c.6891A>T | p.K2297N | .118 | report | null | - | SNV | Substitution/Indel | 559 | 6.9 |
| R18E7463R1H2 | TIPARP | Missense | NM\_015508 | c.656C>A | p.S219Y | .046 | reportVous | null | - | SNV | Substitution/Indel | 679 | 6.9 |
| R18E7463R1H2 | TP53 | Missense | NM\_000546 | c.641A>G | p.H214R | .117 | report | null | - | SNV | Substitution/Indel | 427 | 6.9 |
| R18E7463R1H2 | PTEN | Splicing Site | NM\_000314 | c.493\_493-22del | - | .065 | report | null | - | SNV | Substitution/Indel | 649 | 6.9 |
| R18E7463R1H2 | GRM3 | Missense | NM\_000840 | c.484C>T | p.R162W | .086 | report | null | - | SNV | Substitution/Indel | 536 | 6.9 |
| R18E7463R1H2 | FAM135B | Missense | NM\_015912 | c.4144G>T | p.A1382S | .100 | reportVous | null | - | SNV | Substitution/Indel | 548 | 6.9 |
| R18E7463R1H2 | ARID1B | Missense | NM\_020732 | c.3704G>T | p.S1235I | .046 | reportVous | null | - | SNV | Substitution/Indel | 518 | 6.9 |
| R18E7463R1H2 | FBXW7 | Missense | NM\_033632 | c.1436G>C | p.R479P | .091 | report | null | - | SNV | Substitution/Indel | 505 | 6.9 |
| R18E7463R1H2 | RB1 | Nonsense | NM\_000321 | c.1333C>T | p.R445\* | .073 | report | null | - | SNV | Truncation | 506 | 6.9 |
| R18E7463R1H2 | GATA3 | Missense | NM\_001002295 | c.1183G>T | p.A395S | .104 | reportVous | null | - | SNV | Substitution/Indel | 617 | 6.9 |
| R18E7463R1H1 | FAT3 | Amplification | NM\_001008781 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 6.1 |
| R18E7463R1H1 | BCL2L1 | Amplification | NM\_001322242 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.1 |
| R18E7463R1H1 | HCK | Amplification | NM\_001172133 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.1 |
| R18E7463R1H1 | ASXL1 | Amplification | NM\_015338 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 6.1 |
| R18E7463R1H1 | PIK3CB | Amplification | NM\_006219 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.1 |
| R18E7463R1H1 | ATR | Amplification | NM\_001184 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 6.1 |
| R18E7463R1H1 | TIPARP | Amplification | NM\_015508 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.1 |
| R18E7463R1H1 | PRKCI | Amplification | NM\_002740 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.1 |
| R18E7463R1H1 | PIK3CA | Amplification | NM\_006218 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.1 |
| R18E7463R1H1 | SOX2 | Amplification | NM\_003106 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.1 |
| R18E7463R1H1 | KLHL6 | Amplification | NM\_130446 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.1 |
| R18E7463R1H1 | MAP3K13 | Amplification | NM\_001242314 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.1 |
| R18E7463R1H1 | ETV5 | Amplification | NM\_004454 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.1 |
| R18E7463R1H1 | FGF12 | Amplification | NM\_021032 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.1 |
| R18E7463R1H1 | FAM135B | Amplification | NM\_015912 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.1 |
| R18E7463R1H1 | BMX | Amplification | NM\_001721 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.1 |
| R18E7463R1H1 | LRP2 | Missense | NM\_004525 | c.8779G>A | p.G2927S | .517 | report | null | - | SNV | Substitution/Indel | 360 | 6.1 |
| R18E7463R1H1 | APC | Missense | NM\_000038 | c.6891A>T | p.K2297N | .813 | report | null | - | SNV | Substitution/Indel | 327 | 6.1 |
| R18E7463R1H1 | TP53 | Missense | NM\_000546 | c.641A>G | p.H214R | .887 | report | null | - | SNV | Substitution/Indel | 541 | 6.1 |
| R18E7463R1H1 | GRM3 | Missense | NM\_000840 | c.484C>T | p.R162W | .535 | report | null | - | SNV | Substitution/Indel | 523 | 6.1 |
| R18E7463R1H1 | FAM135B | Missense | NM\_015912 | c.4144G>T | p.A1382S | .715 | reportVous | null | - | SNV | Substitution/Indel | 843 | 6.1 |
| R18E7463R1H1 | ARID1B | Missense | NM\_020732 | c.3704G>T | p.S1235I | .862 | reportVous | null | - | SNV | Substitution/Indel | 442 | 6.1 |
| R18E7463R1H1 | FBXW7 | Missense | NM\_033632 | c.1436G>C | p.R479P | .892 | report | null | - | SNV | Substitution/Indel | 547 | 6.1 |
| R18E7463R1H1 | RB1 | Nonsense | NM\_000321 | c.1333C>T | p.R445\* | .769 | report | null | - | SNV | Truncation | 251 | 6.1 |
| R18E7463R1H1 | GATA3 | Missense | NM\_001002295 | c.1183G>T | p.A395S | .381 | reportVous | null | - | SNV | Substitution/Indel | 509 | 6.1 |
| R18E7462R1H2 | INHBA | Missense | NM\_002192 | c.79G>A | p.E27K | .043 | report | null | - | SNV | Substitution/Indel | 836 | 9.2 |
| R18E7462R1H2 | RB1 | Frameshift | NM\_000321 | c.622del | p.M208Wfs\*6 | .097 | report | null | - | SNV | Truncation | 320 | 9.2 |
| R18E7462R1H2 | BCOR | Missense | NM\_001123383 | c.4274A>G | p.N1425S | .227 | report | null | - | SNV | Substitution/Indel | 480 | 9.2 |
| R18E7462R1H2 | EGFR | Missense | NM\_005228 | c.2573T>G | p.L858R | .222 | report | null | - | SNV | Substitution/Indel | 771 | 9.2 |
| R18E7462R1H2 | SOX9 | Splicing Site | NM\_000346 | c.-2277\_-53del | complex | 0.0244 | reportVous | null | - | LONG | Substitution/Indel | - | 9.2 |
| R18E7462R1H2 | WISP3 | Missense | NM\_198239 | c.14G>T | p.R5L | .080 | reportVous | null | - | SNV | Substitution/Indel | 572 | 9.2 |
| R18E7462R1H2 | SMAD2 | Nonsense | NM\_001135937 | c.1301C>G | p.S434\* | .115 | report | null | - | SNV | Truncation | 433 | 9.2 |
| R18E7462R1H1 | NFE2L2 | Deletion | NM\_006164 | Deletion | - | - | reportVous | null | - | CNV | Gene Homozygous Deletion | - | 6.1 |
| R18E7462R1H1 | SLIT2 | Deletion | NM\_004787 | Deletion | - | - | report | null | - | CNV | Gene Homozygous Deletion | - | 6.1 |
| R18E7462R1H1 | ADAM29 | Deletion | NM\_014269 | Deletion | - | - | report | null | - | CNV | Gene Homozygous Deletion | - | 6.1 |
| R18E7462R1H1 | IRF2 | Deletion | NM\_002199 | Deletion | - | - | report | null | - | CNV | Gene Homozygous Deletion | - | 6.1 |
| R18E7462R1H1 | FAT1 | Deletion | NM\_005245 | Deletion | - | - | report | null | - | CNV | Gene Homozygous Deletion | - | 6.1 |
| R18E7462R1H1 | PIK3R1 | Deletion | NM\_181523 | Deletion | - | - | report | null | - | CNV | Gene Homozygous Deletion | - | 6.1 |
| R18E7462R1H1 | TNFAIP3 | Deletion | NM\_006290 | Deletion | - | - | report | null | - | CNV | Gene Homozygous Deletion | - | 6.1 |
| R18E7462R1H1 | RB1 | Frameshift | NM\_000321 | c.622del | p.M208Wfs\*6 | .404 | report | null | - | SNV | Truncation | 806 | 6.1 |
| R18E7462R1H1 | MYCN | Missense | NM\_005378 | c.52G>A | p.D18N | .359 | reportVous | null | - | SNV | Substitution/Indel | 1212 | 6.1 |
| R18E7462R1H1 | SETBP1 | Missense | NM\_015559 | c.4681G>A | p.A1561T | .188 | reportVous | null | - | SNV | Substitution/Indel | 2659 | 6.1 |
| R18E7462R1H1 | BCOR | Missense | NM\_001123383 | c.4274A>G | p.N1425S | .881 | report | null | - | SNV | Substitution/Indel | 1540 | 6.1 |
| R18E7462R1H1 | EPHA3 | Nonsense | NM\_005233 | c.288T>G | p.Y96\* | .265 | report | null | - | SNV | Truncation | 905 | 6.1 |
| R18E7462R1H1 | EGFR | Missense | NM\_005228 | c.2573T>G | p.L858R | .506 | report | null | - | SNV | Substitution/Indel | 2370 | 6.1 |
| R18E7462R1H1 | AR | Missense | NM\_000044 | c.2209G>T | p.V737F | .415 | reportVous | null | - | SNV | Substitution/Indel | 739 | 6.1 |
| R18E7461R1H2 | PDCD1 | Amplification | NM\_005018 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 20.9 |
| R18E7461R1H2 | FGFR3 | Amplification | NM\_000142 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 20.9 |
| R18E7461R1H2 | TERT | Amplification | NM\_198253 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 20.9 |
| R18E7461R1H2 | RXRA | Amplification | NM\_002957 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 20.9 |
| R18E7461R1H2 | NOTCH1 | Amplification | NM\_017617 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 20.9 |
| R18E7461R1H2 | TP53 | Nonsense | NM\_000546 | c.892G>T | p.E298\* | .058 | report | null | - | SNV | Truncation | 481 | 20.9 |
| R18E7461R1H2 | KEAP1 | Missense | NM\_012289 | c.852G>T | p.Q284H | .095 | report | null | - | SNV | Substitution/Indel | 1139 | 20.9 |
| R18E7461R1H2 | HCK | Missense | NM\_001172133 | c.748G>T | p.G250W | .046 | report | null | - | SNV | Substitution/Indel | 587 | 20.9 |
| R18E7461R1H2 | APC | Missense | NM\_000038 | c.6403A>G | p.I2135V | .094 | reportVous | null | - | SNV | Substitution/Indel | 583 | 20.9 |
| R18E7461R1H2 | NOTCH3 | Missense | NM\_000435 | c.626\_627delinsTT | p.G209V | 0.09 | report | null | - | SNV | Substitution/Indel | 1197 | 20.9 |
| R18E7461R1H2 | NOTCH4 | Frameshift | NM\_004557 | c.4348del | p.L1450Cfs\*8 | .090 | report | null | - | SNV | Truncation | 1294 | 20.9 |
| R18E7461R1H2 | BARD1 | Missense | NM\_000465 | c.349G>T | p.D117Y | .088 | reportVous | null | - | SNV | Substitution/Indel | 432 | 20.9 |
| R18E7461R1H2 | FLT1 | Missense | NM\_002019 | c.3231C>A | p.S1077R | .136 | reportVous | null | - | SNV | Substitution/Indel | 530 | 20.9 |
| R18E7461R1H2 | ARID1A | Splicing Site | NM\_006015 | c.2732+1G>T | - | .087 | report | null | - | SNV | Substitution/Indel | 378 | 20.9 |
| R18E7461R1H2 | INPP4B | Nonsense | NM\_003866 | c.26C>A | p.S9\* | .054 | report | null | - | SNV | Truncation | 569 | 20.9 |
| R18E7461R1H2 | ROS1 | Missense | NM\_002944 | c.2588G>C | p.R863P | .046 | report | null | - | SNV | Substitution/Indel | 476 | 20.9 |
| R18E7461R1H2 | RET | Missense | NM\_020975 | c.2395C>A | p.P799T | .111 | report | null | - | SNV | Substitution/Indel | 1953 | 20.9 |
| R18E7461R1H2 | KEAP1 | Missense | NM\_012289 | c.1813G>C | p.G605R | .051 | report | null | - | SNV | Substitution/Indel | 353 | 20.9 |
| R18E7461R1H2 | RB1 | Missense | NM\_000321 | c.1685C>A | p.A562E | .107 | report | null | - | SNV | Substitution/Indel | 271 | 20.9 |
| R18E7461R1H2 | EPHA5 | Nonsense | NM\_004439 | c.1460T>A | p.L487\* | .099 | reportVous | null | - | SNV | Truncation | 497 | 20.9 |
| R18E7461R1H2 | GNAS | Missense | NM\_001077490 | c.1453G>T | p.A485S | .119 | reportVous | null | - | SNV | Substitution/Indel | 2316 | 20.9 |
| R18E7461R1H2 | GLI1 | Splicing Site | NM\_001167609 | c.1453+11G>A | - | .058 | reportVous | null | - | SNV | Substitution/Indel | 429 | 20.9 |
| R18E7461R1H2 | GLI2 | Missense | NM\_005270 | c.1426G>T | p.A476S | .088 | reportVous | null | - | SNV | Substitution/Indel | 1565 | 20.9 |
| R18E7461R1H2 | BRAF | Missense | NM\_004333 | c.1406G>C | p.G469A | .192 | report | null | - | SNV | Substitution/Indel | 458 | 20.9 |
| R18E7461R1H2 | IKZF1 | Missense | NM\_006060 | c.1321G>T | p.A441S | .094 | report | null | - | SNV | Substitution/Indel | 3306 | 20.9 |
| R18E7461R1H2 | KMT2D | Missense | NM\_003482 | c.12871G>T | p.A4291S | .059 | reportVous | null | - | SNV | Substitution/Indel | 2235 | 20.9 |
| R18E7461R1H2 | INHBA | Missense | NM\_002192 | c.1271G>T | p.G424V | .095 | reportVous | null | - | SNV | Substitution/Indel | 750 | 20.9 |
| R18E7461R1H2 | LRP1 | Missense | NM\_002332 | c.12545G>A | p.C4182Y | .060 | reportVous | null | - | SNV | Substitution/Indel | 1932 | 20.9 |
| R18E7461R1H2 | BRAF | Splicing Site | NM\_004333 | c.1140+12G>C | - | .202 | reportVous | null | - | SNV | Substitution/Indel | 563 | 20.9 |
| R18E7461R1H2 | DOT1L | Missense | NM\_032482 | c.1135G>C | p.E379Q | .070 | report | null | - | SNV | Substitution/Indel | 1835 | 20.9 |
| R18E7461R1H2 | TP53 | Nonsense | NM\_000546 | c.[972T>A；973G>T] | p.[D324E；G325\*] | .095 | report | null | - | SNV | Truncation | 370 | 20.9 |
| R18E7461R1H1 | STK24 | Amplification | NM\_003576 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 17 |
| R18E7461R1H1 | FGF14 | Amplification | NM\_004115 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 17 |
| R18E7461R1H1 | TNFSF13B | Amplification | NM\_006573 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 17 |
| R18E7461R1H1 | IRS2 | Amplification | NM\_003749 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 17 |
| R18E7461R1H1 | XRCC3 | Amplification | NM\_001100119 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 17 |
| R18E7461R1H1 | AKT1 | Amplification | NM\_001014432 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 17 |
| R18E7461R1H1 | RAD51C | Amplification | NM\_058216 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 17 |
| R18E7461R1H1 | PTK6 | Amplification | NM\_001256358 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 17 |
| R18E7461R1H1 | SRMS | Amplification | NM\_080823 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 17 |
| R18E7461R1H1 | ARFRP1 | Amplification | NM\_003224 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 17 |
| R18E7461R1H1 | SDHA | Amplification | NM\_004168 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 17 |
| R18E7461R1H1 | TERT | Amplification | NM\_198253 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 17 |
| R18E7461R1H1 | IL7R | Amplification | NM\_002185 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 17 |
| R18E7461R1H1 | RICTOR | Amplification | NM\_152756 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 17 |
| R18E7461R1H1 | FGF10 | Amplification | NM\_004465 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 17 |
| R18E7461R1H1 | BTK | Amplification | NM\_000061 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 17 |
| R18E7461R1H1 | TP53 | Nonsense | NM\_000546 | c.892G>T | p.E298\* | .378 | report | null | - | SNV | Truncation | 902 | 17 |
| R18E7461R1H1 | KEAP1 | Missense | NM\_012289 | c.852G>T | p.Q284H | .434 | report | null | - | SNV | Substitution/Indel | 1882 | 17 |
| R18E7461R1H1 | HCK | Missense | NM\_001172133 | c.748G>T | p.G250W | .257 | report | null | - | SNV | Substitution/Indel | 1437 | 17 |
| R18E7461R1H1 | APC | Missense | NM\_000038 | c.6403A>G | p.I2135V | .806 | reportVous | null | - | SNV | Substitution/Indel | 609 | 17 |
| R18E7461R1H1 | NOTCH3 | Missense | NM\_000435 | c.626\_627delinsTT | p.G209V | 0.39 | report | null | - | SNV | Substitution/Indel | 1217 | 17 |
| R18E7461R1H1 | NOTCH4 | Frameshift | NM\_004557 | c.4348del | p.L1450Cfs\*8 | .349 | report | null | - | SNV | Truncation | 4282 | 17 |
| R18E7461R1H1 | ROCK1 | Missense | NM\_005406 | c.3490C>T | p.P1164S | .279 | report | null | - | SNV | Substitution/Indel | 573 | 17 |
| R18E7461R1H1 | FLT1 | Missense | NM\_002019 | c.3231C>A | p.S1077R | .836 | reportVous | null | - | SNV | Substitution/Indel | 833 | 17 |
| R18E7461R1H1 | PIK3CG | Missense | NM\_001282426 | c.3231C>A | p.D1077E | .252 | reportVous | null | - | SNV | Substitution/Indel | 734 | 17 |
| R18E7461R1H1 | ARID1A | Splicing Site | NM\_006015 | c.2732+1G>T | - | .640 | report | null | - | SNV | Substitution/Indel | 1368 | 17 |
| R18E7461R1H1 | ROS1 | Missense | NM\_002944 | c.2588G>C | p.R863P | .381 | report | null | - | SNV | Substitution/Indel | 362 | 17 |
| R18E7461R1H1 | RET | Missense | NM\_020975 | c.2395C>A | p.P799T | .425 | report | null | - | SNV | Substitution/Indel | 1877 | 17 |
| R18E7461R1H1 | RB1 | Missense | NM\_000321 | c.1685C>A | p.A562E | .837 | report | null | - | SNV | Substitution/Indel | 406 | 17 |
| R18E7461R1H1 | EPHA5 | Nonsense | NM\_004439 | c.1460T>A | p.L487\* | .345 | reportVous | null | - | SNV | Truncation | 383 | 17 |
| R18E7461R1H1 | GNAS | Missense | NM\_001077490 | c.1453G>T | p.A485S | .611 | reportVous | null | - | SNV | Substitution/Indel | 3448 | 17 |
| R18E7461R1H1 | GLI1 | Splicing Site | NM\_001167609 | c.1453+11G>A | - | .400 | reportVous | null | - | SNV | Substitution/Indel | 797 | 17 |
| R18E7461R1H1 | GLI2 | Missense | NM\_005270 | c.1426G>T | p.A476S | .916 | reportVous | null | - | SNV | Substitution/Indel | 2776 | 17 |
| R18E7461R1H1 | BRAF | Missense | NM\_004333 | c.1406G>C | p.G469A | .540 | report | null | - | SNV | Substitution/Indel | 674 | 17 |
| R18E7461R1H1 | IKZF1 | Missense | NM\_006060 | c.1321G>T | p.A441S | .274 | report | null | - | SNV | Substitution/Indel | 3827 | 17 |
| R18E7461R1H1 | KMT2D | Missense | NM\_003482 | c.12871G>T | p.A4291S | .405 | reportVous | null | - | SNV | Substitution/Indel | 2282 | 17 |
| R18E7461R1H1 | INHBA | Missense | NM\_002192 | c.1271G>T | p.G424V | .258 | reportVous | null | - | SNV | Substitution/Indel | 1231 | 17 |
| R18E7461R1H1 | XPO1 | Missense | NM\_003400 | c.1258A>G | p.M420V | .040 | report | null | - | SNV | Substitution/Indel | 398 | 17 |
| R18E7461R1H1 | BRAF | Splicing Site | NM\_004333 | c.1140+12G>C | - | .578 | reportVous | null | - | SNV | Substitution/Indel | 746 | 17 |
| R18E7461R1H1 | TP53 | Nonsense | NM\_000546 | c.[972T>A；973G>T] | p.[D324E；G325\*] | .402 | report | null | - | SNV | Truncation | 783 | 17 |
| R18E7460R1H2 | SOX2 | Amplification | NM\_003106 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 10.0 |
| R18E7460R1H2 | MET | Amplification | NM\_000245 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 10.0 |
| R18E7460R1H2 | RAD54B | Amplification | NM\_012415 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 10.0 |
| R18E7460R1H2 | MYC | Amplification | NM\_002467 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 10.0 |
| R18E7460R1H2 | NFIB | Amplification | NM\_005596 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 10.0 |
| R18E7460R1H2 | CDKN2A | Amplification | NM\_000077 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 10.0 |
| R18E7460R1H2 | CDKN2B | Amplification | NM\_004936 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 10.0 |
| R18E7460R1H2 | FANCG | Amplification | NM\_004629 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 10.0 |
| R18E7460R1H2 | PAX5 | Amplification | NM\_016734 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 10.0 |
| R18E7460R1H2 | ERBB2 | Rearrangement | NM\_004448 | ERBB2-Intergenic | - | - | reportVous | null | - | FUS3 | Fusion/Rearrangement | - | 10.0 |
| R18E7460R1H2 | TP53 | Missense | NM\_000546 | c.785G>T | p.G262V | .519 | report | null | - | SNV | Substitution/Indel | 399 | 10.0 |
| R18E7460R1H2 | IRS2 | Missense | NM\_003749 | c.785C>T | p.S262L | .294 | report | null | - | SNV | Substitution/Indel | 728 | 10.0 |
| R18E7460R1H2 | SPEN | Nonsense | NM\_015001 | c.757C>T | p.Q253\* | .113 | report | null | - | SNV | Truncation | 424 | 10.0 |
| R18E7460R1H2 | NTRK3 | Missense | NM\_002530 | c.475C>A | p.Q159K | .265 | report | null | - | SNV | Substitution/Indel | 309 | 10.0 |
| R18E7460R1H2 | TP53 | Missense | NM\_000546 | c.469G>T | p.V157F | .059 | report | null | - | SNV | Substitution/Indel | 595 | 10.0 |
| R18E7460R1H2 | SPTA1 | Missense | NM\_003126 | c.4667A>T | p.H1556L | .359 | reportVous | null | - | SNV | Substitution/Indel | 379 | 10.0 |
| R18E7460R1H2 | BCOR | Missense | NM\_001123383 | c.4274A>G | p.N1425S | .012 | report | null | - | SNV | Substitution/Indel | 332 | 10.0 |
| R18E7460R1H2 | FAM135B | Missense | NM\_015912 | c.3370C>A | p.P1124T | .093 | reportVous | null | - | SNV | Substitution/Indel | 323 | 10.0 |
| R18E7460R1H2 | ARID1A | Splicing Site | NM\_006015 | c.2732+1G>T | - | .027 | report | null | - | SNV | Substitution/Indel | 335 | 10.0 |
| R18E7460R1H2 | PIK3CB | Missense | NM\_006219 | c.2333A>C | p.Y778S | .303 | reportVous | null | - | SNV | Substitution/Indel | 317 | 10.0 |
| R18E7460R1H2 | DNMT3A | Missense | NM\_001320893 | c.151A>G | p.R51G | .303 | reportVous | null | - | SNV | Substitution/Indel | 684 | 10.0 |
| R18E7460R1H2 | HDAC9 | Missense | NM\_014707 | c.1441C>A | p.Q481K | .104 | report | null | - | SNV | Substitution/Indel | 618 | 10.0 |
| R18E7460R1H2 | NTRK1 | Splicing Site | NM\_001012331 | c.1233+9G>C | - | .292 | reportVous | null | - | SNV | Substitution/Indel | 342 | 10.0 |
| R18E7460R1H2 | NFE2L2 | Missense | NM\_006164 | c.101G>A | p.R34Q | .216 | report | null | - | SNV | Substitution/Indel | 515 | 10.0 |
| R18E7460R1H1 | SOX2 | Amplification | NM\_003106 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 10.8 |
| R18E7460R1H1 | MET | Amplification | NM\_000245 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 10.8 |
| R18E7460R1H1 | RAD54B | Amplification | NM\_012415 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 10.8 |
| R18E7460R1H1 | MYC | Amplification | NM\_002467 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 10.8 |
| R18E7460R1H1 | NFIB | Amplification | NM\_005596 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 10.8 |
| R18E7460R1H1 | CDKN2A | Amplification | NM\_000077 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 10.8 |
| R18E7460R1H1 | CDKN2B | Amplification | NM\_004936 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 10.8 |
| R18E7460R1H1 | FANCG | Amplification | NM\_004629 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 10.8 |
| R18E7460R1H1 | PAX5 | Amplification | NM\_016734 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 10.8 |
| R18E7460R1H1 | ERBB2 | Rearrangement | NM\_004448 | ERBB2-Intergenic | - | - | reportVous | null | - | FUS3 | Fusion/Rearrangement | - | 10.8 |
| R18E7460R1H1 | TP53 | Missense | NM\_000546 | c.785G>T | p.G262V | .606 | report | null | - | SNV | Substitution/Indel | 330 | 10.8 |
| R18E7460R1H1 | IRS2 | Missense | NM\_003749 | c.785C>T | p.S262L | .452 | report | null | - | SNV | Substitution/Indel | 759 | 10.8 |
| R18E7460R1H1 | NTRK3 | Missense | NM\_002530 | c.475C>A | p.Q159K | .384 | report | null | - | SNV | Substitution/Indel | 232 | 10.8 |
| R18E7460R1H1 | SPTA1 | Missense | NM\_003126 | c.4667A>T | p.H1556L | .305 | reportVous | null | - | SNV | Substitution/Indel | 384 | 10.8 |
| R18E7460R1H1 | PIK3CB | Missense | NM\_006219 | c.2333A>C | p.Y778S | .226 | reportVous | null | - | SNV | Substitution/Indel | 234 | 10.8 |
| R18E7460R1H1 | NEK11 | Missense | NM\_024800 | c.1650A>C | p.E550D | .147 | reportVous | null | - | SNV | Substitution/Indel | 225 | 10.8 |
| R18E7460R1H1 | DNMT3A | Missense | NM\_001320893 | c.151A>G | p.R51G | .355 | reportVous | null | - | SNV | Substitution/Indel | 953 | 10.8 |
| R18E7460R1H1 | HDAC9 | Missense | NM\_014707 | c.1441C>A | p.Q481K | .141 | report | null | - | SNV | Substitution/Indel | 647 | 10.8 |
| R18E7460R1H1 | NTRK1 | Splicing Site | NM\_001012331 | c.1233+9G>C | - | .285 | reportVous | null | - | SNV | Substitution/Indel | 330 | 10.8 |
| R18E7460R1H1 | NFE2L2 | Missense | NM\_006164 | c.101G>A | p.R34Q | .302 | report | null | - | SNV | Substitution/Indel | 344 | 10.8 |
| **Sequencing for CSCLC** | | | |  |  |  |  |  |  |  |  |  |  |
| **R18K5806R1H2** | TNK2 | Amplification | NM\_005781 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.9 |
| **R18K5806R1H2** | CTNNB1 | Missense | NM\_001904 | c.64G>A | p.V22I | .011 | report | null | - | SNV | Substitution/Indel | 270 | 6.9 |
| **R18K5806R1H2** | RB1 | Frameshift | NM\_000321 | C.610del | P.E204Kfs\*10 | .135 | report | null | - | SNV | Truncation | 141 | 6.9 |
| **R18K5806R1H2** | NCOR1 | Missense | NM\_006311 | c.5356C>T | p.P1786S | .188 | reportVous | null | - | SNV | Substitution/Indel | 245 | 6.9 |
| **R18K5806R1H2** | KDM6A | Missense | NM\_021140 | c.2264C>T | p.T755M | .013 | report | null | - | SNV | Substitution/Indel | 226 | 6.9 |
| **R18K5806R1H2** | PDGFRB | Missense | NM\_002609 | c.2135G>T | p.S712I | .140 | reportVous | null | - | SNV | Substitution/Indel | 769 | 6.9 |
| **R18K5806R1H2** | FGFR2 | Missense | NM\_000141 | c.1835G>T | p.R612I | .124 | report | null | - | SNV | Substitution/Indel | 185 | 6.9 |
| **R18K5806R1H2** | GATA4 | Missense | NM\_002052 | c.1232C>A | p.A411E | .120 | report | null | - | SNV | Substitution/Indel | 407 | 6.9 |
| **R18K5806R1H1** | AKT2 | Amplification | NM\_001626 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 8.5 |
| **R18K5806R1H1** | FGF12 | Amplification | NM\_021032 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 8.5 |
| **R18K5806R1H1** | TNK2 | Amplification | NM\_005781 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 8.5 |
| **R18K5806R1H1** | NTRK3 | Rearrangement | NM\_002530 | NTRK3-Intergenic | - | - | reportVous | null | - | FUS2 | Fusion/Rearrangement | - | 8.5 |
| **R18K5806R1H1** | NTRK3 | Rearrangement | NM\_002530 | intergenic@3-NTRK3 | - | - | reportVous | null | - | FUS2 | Fusion/Rearrangement | - | 8.5 |
| **R18K5806R1H1** | NTRK3 | Rearrangement | NM\_002530 | intergenic@2-NTRK3 | - | - | report | null | - | FUS2 | Fusion/Rearrangement | - | 8.5 |
| **R18K5806R1H1** | FGFR1 | Missense | NM\_023110 | c.748C>T | p.R250W | .011 | report | null | - | SNV | Substitution/Indel | 738 | 8.5 |
| **R18K5806R1H1** | RB1 | Frameshift | NM\_000321 | C.610del | P.E204Kfs\*10 | .267 | report | null | - | SNV | Truncation | 446 | 8.5 |
| **R18K5806R1H1** | MTOR | Missense | NM\_004958 | c.4835G>A | p.R1612Q | .011 | report | null | - | SNV | Substitution/Indel | 627 | 8.5 |
| **R18K5806R1H1** | CFTR | Splicing Site | NM\_000492 | c.2909-11G>T | - | .186 | reportVous | null | - | SNV | Substitution/Indel | 97 | 8.5 |
| **R18K5806R1H1** | NCOR1 | Missense | NM\_006311 | c.1880G>A | p.R627Q | .013 | report | null | - | SNV | Substitution/Indel | 319 | 8.5 |
| **R18K5806R1H1** | TP63 | Missense | NM\_003722 | c.1433T>A | p.V478E | .128 | report | null | - | SNV | Substitution/Indel | 632 | 8.5 |
| **R18K5806R1H1** | TNK2 | Missense | NM\_005781 | c.1336G>A | p.V446M | .065 | reportVous | null | - | SNV | Substitution/Indel | 3048 | 8.5 |
| **R18K5806R1H1** | QKI | Splicing Site | NM\_206855 | C.\*917dup | - | .233 | reportVous | null | - | SNV | Substitution/Indel | 850 | 8.5 |
| **R18K5802R1H2** | CCND1 | Amplification | NM\_053056 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 13.1 |
| **R18K5802R1H2** | FGF19 | Amplification | NM\_005117 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 13.1 |
| **R18K5802R1H2** | FGF4 | Amplification | NM\_002007 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 13.1 |
| **R18K5802R1H2** | FGF3 | Amplification | NM\_005247 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 13.1 |
| **R18K5802R1H2** | EMSY | Amplification | NM\_020193 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 13.1 |
| **R18K5802R1H2** | NFKBIA | Amplification | NM\_020529 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 13.1 |
| **R18K5802R1H2** | NKX2-1 | Amplification | NM\_003317 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 13.1 |
| **R18K5802R1H2** | TP53 | Nonsense | NM\_000546 | c.702C>G | p.Y234\* | .358 | report | null | - | SNV | Truncation | 430 | 13.1 |
| **R18K5802R1H2** | FAT1 | Nonsense | NM\_005245 | c.5735C>G | p.S1912\* | .275 | report | null | - | SNV | Truncation | 734 | 13.1 |
| **R18K5802R1H2** | NOTCH3 | Missense | NM\_000435 | c.5443G>A | p.D1815N | .219 | reportVous | null | - | SNV | Substitution/Indel | 913 | 13.1 |
| **R18K5802R1H2** | FAT1 | Nonsense | NM\_005245 | c.4075G>T | p.E1359\* | .283 | report | null | - | SNV | Truncation | 600 | 13.1 |
| **R18K5802R1H2** | FAM135B | Splicing Site | NM\_015912 | c.4016-10C>A | - | .061 | reportVous | null | - | SNV | Substitution/Indel | 831 | 13.1 |
| **R18K5802R1H2** | KDM6A | Frameshift | NM\_021140 | C.3711del | P.I1237Mfs\*28 | .243 | report | null | - | SNV | Truncation | 473 | 13.1 |
| **R18K5802R1H2** | CDKN2A | Frameshift | NM\_000077 | C.332del | P.G111Afs\*35 | .211 | report | null | - | SNV | Truncation | 3201 | 13.1 |
| **R18K5802R1H2** | ERBB4 | Missense | NM\_005235 | c.3153C>A | p.S1051R | .142 | report | null | - | SNV | Substitution/Indel | 353 | 13.1 |
| **R18K5802R1H2** | SRSF2 | Missense | NM\_003016 | c.248\_249delinsAA | p.R83Q | .091 | reportVous | null | - | SNV | Substitution/Indel | 3729 | 13.1 |
| **R18K5802R1H2** | ABL1 | Missense | NM\_007313 | c.2105C>T | p.S702F | .225 | reportVous | null | - | SNV | Substitution/Indel | 1078 | 13.1 |
| **R18K5802R1H2** | BAP1 | Missense | NM\_004656 | c.1630A>G | p.I544V | .325 | reportVous | null | - | SNV | Substitution/Indel | 1063 | 13.1 |
| **R18K5802R1H2** | BTG1 | Missense | NM\_001731 | c.154T>G | p.Y52D | .054 | reportVous | null | - | SNV | Substitution/Indel | 739 | 13.1 |
| **R18K5802R1H2** | KMT2D | Nonsense | NM\_003482 | c.13450C>T | p.R4484\* | .036 | report | null | - | SNV | Truncation | 1602 | 13.1 |
| **R18K5802R1H1** | DPYD | Amplification | NM\_000110 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 14.7 |
| **R18K5802R1H1** | CREB3L1 | Amplification | NM\_052854 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 14.7 |
| **R18K5802R1H1** | CCND1 | Amplification | NM\_053056 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| **R18K5802R1H1** | FGF19 | Amplification | NM\_005117 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| **R18K5802R1H1** | FGF4 | Amplification | NM\_002007 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| **R18K5802R1H1** | FGF3 | Amplification | NM\_005247 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| **R18K5802R1H1** | EMSY | Amplification | NM\_020193 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| **R18K5802R1H1** | STK24 | Amplification | NM\_003576 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| **R18K5802R1H1** | FGF14 | Amplification | NM\_004115 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| **R18K5802R1H1** | RICTOR | Amplification | NM\_152756 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| **R18K5802R1H1** | FGF10 | Amplification | NM\_004465 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| **R18K5802R1H1** | RAD54B | Amplification | NM\_012415 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 14.7 |
| **R18K5802R1H1** | MYC | Amplification | NM\_002467 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| **R18K5802R1H1** | JUN | Frameshift | NM\_002228 | C.930\_931del | P.K311Sfs\*6 | .182 | reportVous | null | - | SNV | Truncation | 1969 | 14.7 |
| **R18K5802R1H1** | USP6 | Splicing Site | NM\_001304284 | c.73-9G>T | - | .270 | reportVous | null | - | SNV | Substitution/Indel | 418 | 14.7 |
| **R18K5802R1H1** | TP53 | Nonsense | NM\_000546 | c.702C>G | p.Y234\* | .784 | report | null | - | SNV | Truncation | 334 | 14.7 |
| **R18K5802R1H1** | ATM | Nonsense | NM\_000051 | c.6100C>T | p.R2034\* | .017 | report | null | - | SNV | Truncation | 179 | 14.7 |
| **R18K5802R1H1** | NOTCH3 | Missense | NM\_000435 | c.5443G>A | p.D1815N | .363 | reportVous | null | - | SNV | Substitution/Indel | 1140 | 14.7 |
| **R18K5802R1H1** | CDKN2A | Frameshift | NM\_000077 | C.332del | P.G111Afs\*35 | .420 | report | null | - | SNV | Truncation | 3554 | 14.7 |
| **R18K5802R1H1** | KMT2D | Frameshift | NM\_003482 | C.2533dup | P.R845Pfs\*3 | .275 | report | null | - | SNV | Truncation | 1721 | 14.7 |
| **R18K5802R1H1** | SRSF2 | Missense | NM\_003016 | c.248\_249delinsAA | p.R83Q | .231 | reportVous | null | - | SNV | Substitution/Indel | 2547 | 14.7 |
| **R18K5802R1H1** | ABL1 | Missense | NM\_007313 | c.2105C>T | p.S702F | .213 | reportVous | null | - | SNV | Substitution/Indel | 1353 | 14.7 |
| **R18K5802R1H1** | BAP1 | Missense | NM\_004656 | c.1630A>G | p.I544V | .826 | reportVous | null | - | SNV | Substitution/Indel | 625 | 14.7 |
| **R18K5802R1H1** | BTG1 | Missense | NM\_001731 | c.154T>G | p.Y52D | .445 | reportVous | null | - | SNV | Substitution/Indel | 308 | 14.7 |
| **R18K5802R1H1** | KMT2D | Nonsense | NM\_003482 | c.13450C>T | p.R4484\* | .380 | report | null | - | SNV | Truncation | 1299 | 14.7 |
| **R18K5800R1H2** | NKX2-1 | Amplification | NM\_003317 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 7.7 |
| **R18K5800R1H2** | XRCC3 | Amplification | NM\_001100119 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 7.7 |
| **R18K5800R1H2** | AKT1 | Amplification | NM\_001014432 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 7.7 |
| **R18K5800R1H2** | RB1 | Frameshift | NM\_000321 | C.869dup | P.N290Kfs\*20 | .203 | report | null | - | SNV | Truncation | 291 | 7.7 |
| **R18K5800R1H2** | KLHL6 | Missense | NM\_130446 | c.743C>T | p.S248L | .156 | reportVous | null | - | SNV | Substitution/Indel | 943 | 7.7 |
| **R18K5800R1H2** | TP53 | Missense | NM\_000546 | c.711G>A | p.M237I | .262 | report | null | - | SNV | Substitution/Indel | 507 | 7.7 |
| **R18K5800R1H2** | B2M | Splicing Site | NM\_004048 | c.67+1G>A | - | .023 | report | null | - | SNV | Substitution/Indel | 571 | 7.7 |
| **R18K5800R1H2** | FANCM | Missense | NM\_020937 | c.5396G>C | p.R1799T | .061 | reportVous | null | - | SNV | Substitution/Indel | 653 | 7.7 |
| **R18K5800R1H2** | AKT1 | Missense | NM\_005163 | c.49G>A | p.E17K | .354 | report | null | - | SNV | Substitution/Indel | 1128 | 7.7 |
| **R18K5800R1H2** | EP300 | Nonsense | NM\_001429 | c.478C>T | p.Q160\* | .122 | report | null | - | SNV | Truncation | 515 | 7.7 |
| **R18K5800R1H2** | B2M | Frameshift | NM\_004048 | C.41\_44del | P.S14Ffs\*29 | .080 | report | null | - | SNV | Truncation | 952 | 7.7 |
| **R18K5800R1H2** | CAMTA1 | Missense | NM\_015215 | c.3434G>A | p.R1145K | .108 | reportVous | null | - | SNV | Substitution/Indel | 630 | 7.7 |
| **R18K5800R1H2** | EGFR | Missense | NM\_005228 | c.2573T>G | p.L858R | .138 | report | null | - | SNV | Substitution/Indel | 665 | 7.7 |
| **R18K5800R1H2** | B2M | Missense | NM\_004048 | c.1A>G | p.M1V | .072 | report | null | - | SNV | Substitution/Indel | 625 | 7.7 |
| **R18K5800R1H2** | PIK3CA | Missense | NM\_006218 | c.1624G>A | p.E542K | .203 | report | null | - | SNV | Substitution/Indel | 449 | 7.7 |
| **R18K5800R1H2** | BTK | Missense | NM\_000061 | c.1279G>C | p.V427L | .062 | report | null | - | SNV | Substitution/Indel | 712 | 7.7 |
| **R18K5800R1H1** | NKX2-1 | Amplification | NM\_003317 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| **R18K5800R1H1** | XRCC3 | Amplification | NM\_001100119 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 14.7 |
| **R18K5800R1H1** | AKT1 | Amplification | NM\_001014432 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| **R18K5800R1H1** | TERT | Amplification | NM\_198253 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| **R18K5800R1H1** | SPINK1 | Amplification | NM\_003122 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 14.7 |
| **R18K5800R1H1** | RB1 | Frameshift | NM\_000321 | C.869dup | P.N290Kfs\*20 | .274 | report | null | - | SNV | Truncation | 492 | 14.7 |
| **R18K5800R1H1** | ATM | Missense | NM\_000051 | c.8495G>A | p.R2832H | .012 | report | null | - | SNV | Substitution/Indel | 487 | 14.7 |
| **R18K5800R1H1** | SMARCD1 | Missense | NM\_003076 | c.811C>G | p.Q271E | .266 | reportVous | null | - | SNV | Substitution/Indel | 657 | 14.7 |
| **R18K5800R1H1** | KLHL6 | Missense | NM\_130446 | c.743C>T | p.S248L | .205 | reportVous | null | - | SNV | Substitution/Indel | 881 | 14.7 |
| **R18K5800R1H1** | TP53 | Missense | NM\_000546 | c.711G>A | p.M237I | .636 | report | null | - | SNV | Substitution/Indel | 448 | 14.7 |
| **R18K5800R1H1** | LRP1B | Missense | NM\_018557 | c.6826T>A | p.Y2276N | .012 | report | null | - | SNV | Substitution/Indel | 580 | 14.7 |
| **R18K5800R1H1** | FANCM | Missense | NM\_020937 | c.5396G>C | p.R1799T | .138 | reportVous | null | - | SNV | Substitution/Indel | 955 | 14.7 |
| **R18K5800R1H1** | AKT1 | Missense | NM\_005163 | c.49G>A | p.E17K | .402 | report | null | - | SNV | Substitution/Indel | 1900 | 14.7 |
| **R18K5800R1H1** | EP300 | Nonsense | NM\_001429 | c.478C>T | p.Q160\* | .233 | report | null | - | SNV | Truncation | 533 | 14.7 |
| **R18K5800R1H1** | NF1 | Missense | NM\_001042492 | c.4282G>C | p.D1428H | .213 | report | null | - | SNV | Substitution/Indel | 728 | 14.7 |
| **R18K5800R1H1** | DDR2 | Missense | NM\_001014796 | c.407A>C | p.H136P | .013 | report | null | - | SNV | Substitution/Indel | 634 | 14.7 |
| **R18K5800R1H1** | CHD4 | Missense | NM\_001273 | c.3778C>T | p.R1260C | .012 | report | null | - | SNV | Substitution/Indel | 430 | 14.7 |
| **R18K5800R1H1** | PBRM1 | Missense | NM\_018313 | c.270G>T | p.Q90H | .011 | report | null | - | SNV | Substitution/Indel | 262 | 14.7 |
| **R18K5800R1H1** | EGFR | Missense | NM\_005228 | c.2573T>G | p.L858R | .247 | report | null | - | SNV | Substitution/Indel | 960 | 14.7 |
| **R18K5800R1H1** | PIK3CA | Missense | NM\_006218 | c.1624G>A | p.E542K | .166 | report | null | - | SNV | Substitution/Indel | 757 | 14.7 |
| **R18K5800R1H1** | EPHA3 | Missense | NM\_005233 | c.1516G>A | p.V506I | .012 | report | null | - | SNV | Substitution/Indel | 486 | 14.7 |
| **R18K5800R1H1** | BTK | Missense | NM\_000061 | c.1279G>C | p.V427L | .108 | report | null | - | SNV | Substitution/Indel | 964 | 14.7 |
| **R18K5799R1H2** | STK11 | Amplification | NM\_000455 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 0.0 |
| **R18K5799R1H2** | DOT1L | Amplification | NM\_032482 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 0.0 |
| **R18K5799R1H2** | NOTCH3 | Amplification | NM\_000435 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 0.0 |
| **R18K5799R1H2** | SDHA | Amplification | NM\_004168 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 0.0 |
| **R18K5799R1H2** | TERT | Amplification | NM\_198253 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 0.0 |
| **R18K5799R1H2** | CARD11 | Amplification | NM\_032415 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 0.0 |
| **R18K5799R1H2** | PMS2 | Amplification | NM\_000535 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 0.0 |
| **R18K5799R1H2** | RAC1 | Amplification | NM\_006908 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 0.0 |
| **R18K5799R1H2** | TP53 | In\_Frame\_Indel | NM\_000546 | C.758\_760del | P.T253del | .409 | report | null | - | SNV | Substitution/Indel | 580 | 0.0 |
| **R18K5799R1H2** | RB1 | Splicing Site | NM\_000321 | c.2490-3C>T | - | .336 | reportVous | null | - | SNV | Substitution/Indel | 131 | 0.0 |
| **R18K5799R1H2** | SETBP1 | Missense | NM\_015559 | c.2315C>T | p.S772L | .146 | reportVous | null | - | SNV | Substitution/Indel | 616 | 0.0 |
| **R18K5799R1H2** | EGFR | In\_Frame\_Indel | NM\_005228 | C.2249\_2277delinsGAAAT | P.A750\_I759delinsGN | .323 | report | null | - | SNV | Substitution/Indel | 1325 | 0.0 |
| **R18K5799R1H1** | JAK2 | Deletion | NM\_004972 | Deletion | - | - | report | null | - | CNV | Gene Homozygous Deletion | - | 0.0 |
| **R18K5799R1H1** | CD274 | Deletion | NM\_014143 | Deletion | - | - | report | null | - | CNV | Gene Homozygous Deletion | - | 0.0 |
| **R18K5799R1H1** | PDCD1LG2 | Deletion | NM\_025239 | Deletion | - | - | report | null | - | CNV | Gene Homozygous Deletion | - | 0.0 |
| **R18K5799R1H1** | STK11 | Amplification | NM\_000455 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 0.0 |
| **R18K5799R1H1** | DOT1L | Amplification | NM\_032482 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 0.0 |
| **R18K5799R1H1** | SDHA | Amplification | NM\_004168 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 0.0 |
| **R18K5799R1H1** | TERT | Amplification | NM\_198253 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 0.0 |
| **R18K5799R1H1** | CARD11 | Amplification | NM\_032415 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 0.0 |
| **R18K5799R1H1** | PMS2 | Amplification | NM\_000535 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 0.0 |
| **R18K5799R1H1** | RAC1 | Amplification | NM\_006908 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 0.0 |
| **R18K5799R1H1** | LIMK1 | Amplification | NM\_001204426 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 0.0 |
| **R18K5799R1H1** | TP53 | In\_Frame\_Indel | NM\_000546 | C.758\_760del | P.T253del | .837 | report | null | - | SNV | Substitution/Indel | 818 | 0.0 |
| **R18K5799R1H1** | RB1 | Splicing Site | NM\_000321 | c.2490-3C>T | - | .778 | reportVous | null | - | SNV | Substitution/Indel | 54 | 0.0 |
| **R18K5799R1H1** | SETBP1 | Missense | NM\_015559 | c.2315C>T | p.S772L | .238 | reportVous | null | - | SNV | Substitution/Indel | 759 | 0.0 |
| **R18K5799R1H1** | EGFR | In\_Frame\_Indel | NM\_005228 | C.2249\_2277delinsGAAAT | P.A750\_I759delinsGN | .386 | report | null | - | SNV | Substitution/Indel | 1350 | 0.0 |
| **R18E7468R1H2** | CCND1 | Amplification | NM\_053056 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| **R18E7468R1H2** | FGF19 | Amplification | NM\_005117 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| **R18E7468R1H2** | FGF4 | Amplification | NM\_002007 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| **R18E7468R1H2** | FGF3 | Amplification | NM\_005247 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| **R18E7468R1H2** | PIK3CA | Amplification | NM\_006218 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| **R18E7468R1H2** | SOX2 | Amplification | NM\_003106 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 14.7 |
| **R18E7468R1H2** | ATM | Missense | NM\_000051 | c.8710G>C | p.E2904Q | .187 | report | null | - | SNV | Substitution/Indel | 310 | 14.7 |
| **R18E7468R1H2** | EPHA7 | Splicing Site | NM\_004440 | c.832+10G>T | - | .241 | reportVous | null | - | SNV | Substitution/Indel | 456 | 14.7 |
| **R18E7468R1H2** | LRP2 | Missense | NM\_004525 | c.6914A>T | p.K2305M | .265 | reportVous | null | - | SNV | Substitution/Indel | 714 | 14.7 |
| **R18E7468R1H2** | ROS1 | Missense | NM\_002944 | c.6353G>T | p.R2118I | .088 | reportVous | null | - | SNV | Substitution/Indel | 487 | 14.7 |
| **R18E7468R1H2** | NRG1 | Missense | NM\_013962 | c.580C>G | p.P194A | .258 | reportVous | null | - | SNV | Substitution/Indel | 2912 | 14.7 |
| **R18E7468R1H2** | TP53 | Splicing Site | NM\_000546 | c.560-1G>T | - | .298 | report | null | - | SNV | Substitution/Indel | 466 | 14.7 |
| **R18E7468R1H2** | HSD3B1 | Missense | NM\_000862 | c.457G>T | p.A153S | .230 | report | null | - | SNV | Substitution/Indel | 818 | 14.7 |
| **R18E7468R1H2** | CIC | Missense | NM\_015125 | c.283G>A | p.E95K | .260 | report | null | - | SNV | Substitution/Indel | 943 | 14.7 |
| **R18E7468R1H2** | PIK3C2B | Splicing Site | NM\_002646 | c.2679-6T>A | - | .114 | reportVous | null | - | SNV | Substitution/Indel | 621 | 14.7 |
| **R18E7468R1H2** | CDH1 | Missense | NM\_004360 | c.2524G>A | p.A842T | .015 | report | null | - | SNV | Substitution/Indel | 404 | 14.7 |
| **R18E7468R1H2** | EP300 | Nonsense | NM\_001429 | c.193C>T | p.Q65\* | .015 | report | null | - | SNV | Truncation | 524 | 14.7 |
| **R18E7468R1H2** | EPHA3 | Missense | NM\_005233 | c.1898G>T | p.G633V | .270 | report | null | - | SNV | Substitution/Indel | 588 | 14.7 |
| **R18E7468R1H2** | CDKN2A | Splicing Site | NM\_000077 | c.151-2A>G | - | .362 | report | null | - | SNV | Substitution/Indel | 3422 | 14.7 |
| **R18E7468R1H2** | GLI3 | Missense | NM\_000168 | c.1411A>G | p.K471E | .219 | reportVous | null | - | SNV | Substitution/Indel | 694 | 14.7 |
| **R18E7468R1H2** | PRKDC | Missense | NM\_006904 | c.10855C>G | p.P3619A | .139 | reportVous | null | - | SNV | Substitution/Indel | 575 | 14.7 |
| **R18E7468R1H2** | NRG3 | Missense | NM\_001010848 | c.1072C>G | p.Q358E | .036 | report | null | - | SNV | Substitution/Indel | 362 | 14.7 |
| **R18E7468R1H1** | EPHA5 | Amplification | NM\_004439 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 3.8 |
| **R18E7468R1H1** | PKD2 | Amplification | NM\_000297 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 3.8 |
| **R18E7468R1H1** | MYB | Amplification | NM\_001130173 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 3.8 |
| **R18E7468R1H1** | TP53 | Frameshift | NM\_000546 | C.988del | P.L330Ffs\*15 | .399 | report | null | - | SNV | Truncation | 449 | 3.8 |
| **R18E7468R1H1** | MAP3K1 | Missense | NM\_005921 | c.719C>T | p.A240V | .015 | report | null | - | SNV | Substitution/Indel | 342 | 3.8 |
| **R18E7468R1H1** | MAGI2 | Splicing Site | NM\_012301 | c.538+3A>G | - | .452 | reportVous | null | - | SNV | Substitution/Indel | 396 | 3.8 |
| **R18E7468R1H1** | PIK3CA | Missense | NM\_006218 | c.333G>T | p.K111N | .416 | report | null | - | SNV | Substitution/Indel | 543 | 3.8 |
| **R18E7468R1H1** | TIE1 | Splicing Site | NM\_005424 | c.2731+12G>T | - | .478 | reportVous | null | - | SNV | Substitution/Indel | 253 | 3.8 |
| **R18E7468R1H1** | KDR | Missense | NM\_002253 | c.2207C>A | p.T736N | .418 | reportVous | null | - | SNV | Substitution/Indel | 545 | 3.8 |
| **R18E7468R1H1** | RB1 | Splicing Site | NM\_000321 | c.1695+5G>A | - | .874 | reportVous | null | - | SNV | Substitution/Indel | 198 | 3.8 |
| **R18E7468R1H1** | NOTCH2 | Nonsense | NM\_024408 | c.1252G>T | p.E418\* | .386 | report | null | - | SNV | Truncation | 642 | 3.8 |
| **R18E7467R1H2** | CCNE1 | Amplification | NM\_001238 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 5.4 |
| **R18E7467R1H2** | AKT2 | Amplification | NM\_001626 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 5.4 |
| **R18E7467R1H2** | VHL | Missense | NM\_000551 | c.500G>A | p.R167Q | .403 | report | null | - | SNV | Substitution/Indel | 221 | 5.4 |
| **R18E7467R1H2** | NFKBIA | Missense | NM\_020529 | c.482G>C | p.G161A | .014 | reportVous | null | - | SNV | Substitution/Indel | 583 | 5.4 |
| **R18E7467R1H2** | GRIN2A | Missense | NM\_000833 | c.4288C>T | p.P1430S | .246 | reportVous | null | - | SNV | Substitution/Indel | 195 | 5.4 |
| **R18E7467R1H2** | CREBBP | Nonsense | NM\_004380 | c.4150G>T | p.E1384\* | .010 | report | null | - | SNV | Truncation | 288 | 5.4 |
| **R18E7467R1H2** | PIK3CA | Missense | NM\_006218 | c.333G>T | p.K111N | .012 | report | null | - | SNV | Substitution/Indel | 246 | 5.4 |
| **R18E7467R1H2** | TP53 | Frameshift | NM\_000546 | c.254\_256delinsTA | p.P85Lfs\*38 | .307 | report | null | - | SNV | Truncation | 446 | 5.4 |
| **R18E7467R1H2** | RAD54L | Missense | NM\_001142548 | c.1588G>C | p.E530Q | .024 | reportVous | null | - | SNV | Substitution/Indel | 294 | 5.4 |
| **R18E7467R1H2** | RAD51B | Missense | NM\_001321821 | c.1123G>C | p.D375H | .038 | reportVous | null | - | SNV | Substitution/Indel | 399 | 5.4 |
| **R18E7467R1H2** | FAT4 | Missense | NM\_024582 | c.11219A>G | p.Q3740R | .242 | reportVous | null | - | SNV | Substitution/Indel | 252 | 5.4 |
| **R18E7467R1H1** | NKX2-1 | Amplification | NM\_003317 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 9.2 |
| **R18E7467R1H1** | CCNE1 | Amplification | NM\_001238 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 9.2 |
| **R18E7467R1H1** | AKT2 | Amplification | NM\_001626 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 9.2 |
| **R18E7467R1H1** | MYC | Amplification | NM\_002467 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 9.2 |
| **R18E7467R1H1** | VHL | Missense | NM\_000551 | c.500G>A | p.R167Q | .524 | report | null | - | SNV | Substitution/Indel | 296 | 9.2 |
| **R18E7467R1H1** | NFKBIA | Missense | NM\_020529 | c.482G>C | p.G161A | .239 | reportVous | null | - | SNV | Substitution/Indel | 1174 | 9.2 |
| **R18E7467R1H1** | GRIN2A | Missense | NM\_000833 | c.4288C>T | p.P1430S | .382 | reportVous | null | - | SNV | Substitution/Indel | 359 | 9.2 |
| **R18E7467R1H1** | SPTA1 | Missense | NM\_003126 | c.4237G>T | p.A1413S | .071 | reportVous | null | - | SNV | Substitution/Indel | 436 | 9.2 |
| **R18E7467R1H1** | TP53 | Frameshift | NM\_000546 | c.254\_256delinsTA | p.P85Lfs\*38 | .435 | report | null | - | SNV | Truncation | 421 | 9.2 |
| **R18E7467R1H1** | RAD54L | Missense | NM\_001142548 | c.1588G>C | p.E530Q | .182 | reportVous | null | - | SNV | Substitution/Indel | 402 | 9.2 |
| **R18E7467R1H1** | RAD51B | Missense | NM\_001321821 | c.1123G>C | p.D375H | .213 | reportVous | null | - | SNV | Substitution/Indel | 788 | 9.2 |
| **R18E7467R1H1** | FAT4 | Missense | NM\_024582 | c.11219A>G | p.Q3740R | .489 | reportVous | null | - | SNV | Substitution/Indel | 315 | 9.2 |
| **R18E7467R1H1** | TMPRSS2 | Missense | NM\_001135099 | c.1068C>G | p.F356L | .172 | reportVous | null | - | SNV | Substitution/Indel | 325 | 9.2 |
| **R18E7466R1H2** | PRKCI | Amplification | NM\_002740 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 3.8 |
| **R18E7466R1H2** | SOX2 | Amplification | NM\_003106 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 3.8 |
| **R18E7466R1H2** | TP53 | Splicing Site | NM\_000546 | c.96+1G>A | - | .213 | report | null | - | SNV | Substitution/Indel | 559 | 3.8 |
| **R18E7466R1H2** | WEE1 | Frameshift | NM\_003390 | c.82\_101dup | p.E34Dfs\*207 | .010 | report | null | - | SNV | Truncation | 2536 | 3.8 |
| **R18E7466R1H2** | RAF1 | Nonsense | NM\_002880 | c.564dup | p.N189\* | .065 | reportVous | null | - | SNV | Truncation | 693 | 3.8 |
| **R18E7466R1H2** | RB1 | Nonsense | NM\_000321 | c.227T>G | p.L76\* | .168 | report | null | - | SNV | Truncation | 364 | 3.8 |
| **R18E7466R1H1** | EPHA3 | Deletion | NM\_005233 | Deletion | - | - | report | null | - | CNV | Gene Homozygous Deletion | - | 8.5 |
| **R18E7466R1H1** | TBX3 | Amplification | NM\_016569 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 8.5 |
| **R18E7466R1H1** | CCNE1 | Amplification | NM\_001238 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 8.5 |
| **R18E7466R1H1** | AKT2 | Amplification | NM\_001626 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 8.5 |
| **R18E7466R1H1** | SOX2 | Amplification | NM\_003106 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 8.5 |
| **R18E7466R1H1** | RUNX1T1 | Amplification | NM\_001198628 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 8.5 |
| **R18E7466R1H1** | PTK2 | Amplification | NM\_001199649 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 8.5 |
| **R18E7466R1H1** | ERBB3 | Missense | NM\_001982 | c.994G>A | p.E332K | .122 | report | null | - | SNV | Substitution/Indel | 376 | 8.5 |
| **R18E7466R1H1** | TP53 | Splicing Site | NM\_000546 | c.96+1G>A | - | .404 | report | null | - | SNV | Substitution/Indel | 213 | 8.5 |
| **R18E7466R1H1** | FANCL | Missense | NM\_018062 | c.878C>T | p.P293L | .206 | reportVous | null | - | SNV | Substitution/Indel | 199 | 8.5 |
| **R18E7466R1H1** | FAT3 | Missense | NM\_001008781 | c.6928G>A | p.V2310I | .259 | reportVous | null | - | SNV | Substitution/Indel | 193 | 8.5 |
| **R18E7466R1H1** | FGF10 | Missense | NM\_004465 | c.572A>C | p.K191T | .218 | reportVous | null | - | SNV | Substitution/Indel | 193 | 8.5 |
| **R18E7466R1H1** | BLM | Missense | NM\_000057 | c.3278C>T | p.S1093L | .144 | reportVous | null | - | SNV | Substitution/Indel | 368 | 8.5 |
| **R18E7466R1H1** | TAF1 | Missense | NM\_004606 | c.3037G>C | p.D1013H | .523 | reportVous | null | - | SNV | Substitution/Indel | 155 | 8.5 |
| **R18E7466R1H1** | NFE2L2 | Missense | NM\_006164 | c.235G>A | p.E79K | .269 | report | null | - | SNV | Substitution/Indel | 372 | 8.5 |
| **R18E7466R1H1** | RB1 | Nonsense | NM\_000321 | c.227T>G | p.L76\* | .287 | report | null | - | SNV | Truncation | 150 | 8.5 |
| **R18E7466R1H1** | FAT1 | Missense | NM\_005245 | c.13597G>A | p.E4533K | .037 | report | null | - | SNV | Substitution/Indel | 295 | 8.5 |
| **R18E7466R1H1** | DDR1 | Missense | NM\_001297652 | c.1118C>T | p.S373F | .263 | reportVous | null | - | SNV | Substitution/Indel | 358 | 8.5 |
| **R18E7466R1H1** | AKT3 | Missense | NM\_005465 | c.101C>T | p.S34L | .274 | report | null | - | SNV | Substitution/Indel | 146 | 8.5 |
| **R18E7465R1H2** | RANBP2 | Splicing Site | NM\_006267 | c.9035-10T>A | - | .097 | reportVous | null | - | SNV | Substitution/Indel | 497 | 7.7 |
| **R18E7465R1H2** | FLT3 | Missense | NM\_004119 | c.836A>G | p.H279R | .189 | reportVous | null | - | SNV | Substitution/Indel | 476 | 7.7 |
| **R18E7465R1H2** | TP53 | Nonsense | NM\_000546 | c.796G>T | p.G266\* | .187 | report | null | - | SNV | Truncation | 710 | 7.7 |
| **R18E7465R1H2** | FAT1 | Missense | NM\_005245 | c.5120G>T | p.G1707V | .188 | reportVous | null | - | SNV | Substitution/Indel | 357 | 7.7 |
| **R18E7465R1H2** | BIRC5 | Missense | NM\_001012270 | c.395G>T | p.G132V | .116 | reportVous | null | - | SNV | Substitution/Indel | 584 | 7.7 |
| **R18E7465R1H2** | ASXL1 | Missense | NM\_015338 | c.3809G>C | p.R1270T | .180 | reportVous | null | - | SNV | Substitution/Indel | 640 | 7.7 |
| **R18E7465R1H2** | MYB | Splicing Site | NM\_001130173 | c.1566+10A>T | - | .177 | reportVous | null | - | SNV | Substitution/Indel | 818 | 7.7 |
| **R18E7465R1H2** | CASP8 | Missense | NM\_001228 | c.1295C>T | p.P432L | .032 | report | null | - | SNV | Substitution/Indel | 728 | 7.7 |
| **R18E7465R1H2** | SF3B1 | Missense | NM\_012433 | c.1219A>T | p.M407L | .140 | report | null | - | SNV | Substitution/Indel | 350 | 7.7 |
| **R18E7465R1H2** | CHD2 | In\_Frame\_Indel | NM\_001271 | c.1071\_1079del | p.D359\_E361del | .177 | reportVous | null | - | SNV | Substitution/Indel | 835 | 7.7 |
| **R18E7465R1H1** | RB1 | Deletion | NM\_000321 | Deletion | - | - | report | null | - | CNV | Gene Homozygous Deletion | - | 7.7 |
| **R18E7465R1H1** | KDM5A | Amplification | NM\_001042603 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 7.7 |
| **R18E7465R1H1** | PRKCI | Amplification | NM\_002740 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 7.7 |
| **R18E7465R1H1** | PIK3CA | Amplification | NM\_006218 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 7.7 |
| **R18E7465R1H1** | SOX2 | Amplification | NM\_003106 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 7.7 |
| **R18E7465R1H1** | KLHL6 | Amplification | NM\_130446 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 7.7 |
| **R18E7465R1H1** | MAP3K13 | Amplification | NM\_001242314 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 7.7 |
| **R18E7465R1H1** | ETV5 | Amplification | NM\_004454 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 7.7 |
| **R18E7465R1H1** | BCL6 | Amplification | NM\_001706 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 7.7 |
| **R18E7465R1H1** | FGF12 | Amplification | NM\_021032 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 7.7 |
| **R18E7465R1H1** | TNK2 | Amplification | NM\_005781 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 7.7 |
| **R18E7465R1H1** | RANBP2 | Splicing Site | NM\_006267 | c.9035-10T>A | - | .418 | reportVous | null | - | SNV | Substitution/Indel | 354 | 7.7 |
| **R18E7465R1H1** | FLT3 | Missense | NM\_004119 | c.836A>G | p.H279R | .904 | reportVous | null | - | SNV | Substitution/Indel | 343 | 7.7 |
| **R18E7465R1H1** | TP53 | Nonsense | NM\_000546 | c.796G>T | p.G266\* | .876 | report | null | - | SNV | Truncation | 566 | 7.7 |
| **R18E7465R1H1** | FAT1 | Missense | NM\_005245 | c.5120G>T | p.G1707V | .889 | reportVous | null | - | SNV | Substitution/Indel | 270 | 7.7 |
| **R18E7465R1H1** | BIRC5 | Missense | NM\_001012270 | c.395G>T | p.G132V | .346 | reportVous | null | - | SNV | Substitution/Indel | 714 | 7.7 |
| **R18E7465R1H1** | ASXL1 | Missense | NM\_015338 | c.3809G>C | p.R1270T | .479 | reportVous | null | - | SNV | Substitution/Indel | 871 | 7.7 |
| **R18E7465R1H1** | PLCG2 | Missense | NM\_002661 | c.2300C>T | p.P767L | .011 | report | null | - | SNV | Substitution/Indel | 453 | 7.7 |
| **R18E7465R1H1** | MYB | Splicing Site | NM\_001130173 | c.1566+10A>T | - | .438 | reportVous | null | - | SNV | Substitution/Indel | 1093 | 7.7 |
| **R18E7465R1H1** | SF3B1 | Missense | NM\_012433 | c.1219A>T | p.M407L | .466 | report | null | - | SNV | Substitution/Indel | 204 | 7.7 |
| **R18E7465R1H1** | CHD2 | In\_Frame\_Indel | NM\_001271 | c.1071\_1079del | p.D359\_E361del | .663 | reportVous | null | - | SNV | Substitution/Indel | 885 | 7.7 |
| **R18E7463R1H2** | LRP2 | Missense | NM\_004525 | c.8779G>A | p.G2927S | .051 | report | null | - | SNV | Substitution/Indel | 370 | 6.9 |
| **R18E7463R1H2** | CIC | Missense | NM\_015125 | c.74C>T | p.T25M | .050 | reportVous | null | - | SNV | Substitution/Indel | 787 | 6.9 |
| **R18E7463R1H2** | APC | Missense | NM\_000038 | c.6891A>T | p.K2297N | .118 | report | null | - | SNV | Substitution/Indel | 559 | 6.9 |
| **R18E7463R1H2** | TIPARP | Missense | NM\_015508 | c.656C>A | p.S219Y | .046 | reportVous | null | - | SNV | Substitution/Indel | 679 | 6.9 |
| **R18E7463R1H2** | TP53 | Missense | NM\_000546 | c.641A>G | p.H214R | .117 | report | null | - | SNV | Substitution/Indel | 427 | 6.9 |
| **R18E7463R1H2** | PTEN | Splicing Site | NM\_000314 | c.493\_493-22del | - | .065 | report | null | - | SNV | Substitution/Indel | 649 | 6.9 |
| **R18E7463R1H2** | GRM3 | Missense | NM\_000840 | c.484C>T | p.R162W | .086 | report | null | - | SNV | Substitution/Indel | 536 | 6.9 |
| **R18E7463R1H2** | FAM135B | Missense | NM\_015912 | c.4144G>T | p.A1382S | .100 | reportVous | null | - | SNV | Substitution/Indel | 548 | 6.9 |
| **R18E7463R1H2** | ARID1B | Missense | NM\_020732 | c.3704G>T | p.S1235I | .046 | reportVous | null | - | SNV | Substitution/Indel | 518 | 6.9 |
| **R18E7463R1H2** | FBXW7 | Missense | NM\_033632 | c.1436G>C | p.R479P | .091 | report | null | - | SNV | Substitution/Indel | 505 | 6.9 |
| **R18E7463R1H2** | RB1 | Nonsense | NM\_000321 | c.1333C>T | p.R445\* | .073 | report | null | - | SNV | Truncation | 506 | 6.9 |
| **R18E7463R1H2** | GATA3 | Missense | NM\_001002295 | c.1183G>T | p.A395S | .104 | reportVous | null | - | SNV | Substitution/Indel | 617 | 6.9 |
| **R18E7463R1H1** | FAT3 | Amplification | NM\_001008781 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 6.1 |
| **R18E7463R1H1** | BCL2L1 | Amplification | NM\_001322242 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.1 |
| **R18E7463R1H1** | HCK | Amplification | NM\_001172133 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.1 |
| **R18E7463R1H1** | ASXL1 | Amplification | NM\_015338 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 6.1 |
| **R18E7463R1H1** | PIK3CB | Amplification | NM\_006219 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.1 |
| **R18E7463R1H1** | ATR | Amplification | NM\_001184 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 6.1 |
| **R18E7463R1H1** | TIPARP | Amplification | NM\_015508 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.1 |
| **R18E7463R1H1** | PRKCI | Amplification | NM\_002740 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.1 |
| **R18E7463R1H1** | PIK3CA | Amplification | NM\_006218 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.1 |
| **R18E7463R1H1** | SOX2 | Amplification | NM\_003106 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.1 |
| **R18E7463R1H1** | KLHL6 | Amplification | NM\_130446 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.1 |
| **R18E7463R1H1** | MAP3K13 | Amplification | NM\_001242314 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.1 |
| **R18E7463R1H1** | ETV5 | Amplification | NM\_004454 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.1 |
| **R18E7463R1H1** | FGF12 | Amplification | NM\_021032 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.1 |
| **R18E7463R1H1** | FAM135B | Amplification | NM\_015912 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.1 |
| **R18E7463R1H1** | BMX | Amplification | NM\_001721 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 6.1 |
| **R18E7463R1H1** | LRP2 | Missense | NM\_004525 | c.8779G>A | p.G2927S | .517 | report | null | - | SNV | Substitution/Indel | 360 | 6.1 |
| **R18E7463R1H1** | APC | Missense | NM\_000038 | c.6891A>T | p.K2297N | .813 | report | null | - | SNV | Substitution/Indel | 327 | 6.1 |
| **R18E7463R1H1** | TP53 | Missense | NM\_000546 | c.641A>G | p.H214R | .887 | report | null | - | SNV | Substitution/Indel | 541 | 6.1 |
| **R18E7463R1H1** | GRM3 | Missense | NM\_000840 | c.484C>T | p.R162W | .535 | report | null | - | SNV | Substitution/Indel | 523 | 6.1 |
| **R18E7463R1H1** | FAM135B | Missense | NM\_015912 | c.4144G>T | p.A1382S | .715 | reportVous | null | - | SNV | Substitution/Indel | 843 | 6.1 |
| **R18E7463R1H1** | ARID1B | Missense | NM\_020732 | c.3704G>T | p.S1235I | .862 | reportVous | null | - | SNV | Substitution/Indel | 442 | 6.1 |
| **R18E7463R1H1** | FBXW7 | Missense | NM\_033632 | c.1436G>C | p.R479P | .892 | report | null | - | SNV | Substitution/Indel | 547 | 6.1 |
| **R18E7463R1H1** | RB1 | Nonsense | NM\_000321 | c.1333C>T | p.R445\* | .769 | report | null | - | SNV | Truncation | 251 | 6.1 |
| **R18E7463R1H1** | GATA3 | Missense | NM\_001002295 | c.1183G>T | p.A395S | .381 | reportVous | null | - | SNV | Substitution/Indel | 509 | 6.1 |
| **R18E7462R1H2** | INHBA | Missense | NM\_002192 | c.79G>A | p.E27K | .043 | report | null | - | SNV | Substitution/Indel | 836 | 9.2 |
| **R18E7462R1H2** | RB1 | Frameshift | NM\_000321 | c.622del | p.M208Wfs\*6 | .097 | report | null | - | SNV | Truncation | 320 | 9.2 |
| **R18E7462R1H2** | BCOR | Missense | NM\_001123383 | c.4274A>G | p.N1425S | .227 | report | null | - | SNV | Substitution/Indel | 480 | 9.2 |
| **R18E7462R1H2** | EGFR | Missense | NM\_005228 | c.2573T>G | p.L858R | .222 | report | null | - | SNV | Substitution/Indel | 771 | 9.2 |
| **R18E7462R1H2** | SOX9 | Splicing Site | NM\_000346 | c.-2277\_-53del | complex | 0.0244 | reportVous | null | - | LONG | Substitution/Indel | - | 9.2 |
| **R18E7462R1H2** | WISP3 | Missense | NM\_198239 | c.14G>T | p.R5L | .080 | reportVous | null | - | SNV | Substitution/Indel | 572 | 9.2 |
| **R18E7462R1H2** | SMAD2 | Nonsense | NM\_001135937 | c.1301C>G | p.S434\* | .115 | report | null | - | SNV | Truncation | 433 | 9.2 |
| **R18E7462R1H1** | NFE2L2 | Deletion | NM\_006164 | Deletion | - | - | reportVous | null | - | CNV | Gene Homozygous Deletion | - | 6.1 |
| **R18E7462R1H1** | SLIT2 | Deletion | NM\_004787 | Deletion | - | - | report | null | - | CNV | Gene Homozygous Deletion | - | 6.1 |
| **R18E7462R1H1** | ADAM29 | Deletion | NM\_014269 | Deletion | - | - | report | null | - | CNV | Gene Homozygous Deletion | - | 6.1 |
| **R18E7462R1H1** | IRF2 | Deletion | NM\_002199 | Deletion | - | - | report | null | - | CNV | Gene Homozygous Deletion | - | 6.1 |
| **R18E7462R1H1** | FAT1 | Deletion | NM\_005245 | Deletion | - | - | report | null | - | CNV | Gene Homozygous Deletion | - | 6.1 |
| **R18E7462R1H1** | PIK3R1 | Deletion | NM\_181523 | Deletion | - | - | report | null | - | CNV | Gene Homozygous Deletion | - | 6.1 |
| **R18E7462R1H1** | TNFAIP3 | Deletion | NM\_006290 | Deletion | - | - | report | null | - | CNV | Gene Homozygous Deletion | - | 6.1 |
| **R18E7462R1H1** | RB1 | Frameshift | NM\_000321 | c.622del | p.M208Wfs\*6 | .404 | report | null | - | SNV | Truncation | 806 | 6.1 |
| **R18E7462R1H1** | MYCN | Missense | NM\_005378 | c.52G>A | p.D18N | .359 | reportVous | null | - | SNV | Substitution/Indel | 1212 | 6.1 |
| **R18E7462R1H1** | SETBP1 | Missense | NM\_015559 | c.4681G>A | p.A1561T | .188 | reportVous | null | - | SNV | Substitution/Indel | 2659 | 6.1 |
| **R18E7462R1H1** | BCOR | Missense | NM\_001123383 | c.4274A>G | p.N1425S | .881 | report | null | - | SNV | Substitution/Indel | 1540 | 6.1 |
| **R18E7462R1H1** | EPHA3 | Nonsense | NM\_005233 | c.288T>G | p.Y96\* | .265 | report | null | - | SNV | Truncation | 905 | 6.1 |
| **R18E7462R1H1** | EGFR | Missense | NM\_005228 | c.2573T>G | p.L858R | .506 | report | null | - | SNV | Substitution/Indel | 2370 | 6.1 |
| **R18E7462R1H1** | AR | Missense | NM\_000044 | c.2209G>T | p.V737F | .415 | reportVous | null | - | SNV | Substitution/Indel | 739 | 6.1 |
| **R18E7461R1H2** | PDCD1 | Amplification | NM\_005018 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 20.9 |
| **R18E7461R1H2** | FGFR3 | Amplification | NM\_000142 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 20.9 |
| **R18E7461R1H2** | TERT | Amplification | NM\_198253 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 20.9 |
| **R18E7461R1H2** | RXRA | Amplification | NM\_002957 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 20.9 |
| **R18E7461R1H2** | NOTCH1 | Amplification | NM\_017617 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 20.9 |
| **R18E7461R1H2** | TP53 | Nonsense | NM\_000546 | c.892G>T | p.E298\* | .058 | report | null | - | SNV | Truncation | 481 | 20.9 |
| **R18E7461R1H2** | KEAP1 | Missense | NM\_012289 | c.852G>T | p.Q284H | .095 | report | null | - | SNV | Substitution/Indel | 1139 | 20.9 |
| **R18E7461R1H2** | HCK | Missense | NM\_001172133 | c.748G>T | p.G250W | .046 | report | null | - | SNV | Substitution/Indel | 587 | 20.9 |
| **R18E7461R1H2** | APC | Missense | NM\_000038 | c.6403A>G | p.I2135V | .094 | reportVous | null | - | SNV | Substitution/Indel | 583 | 20.9 |
| **R18E7461R1H2** | NOTCH3 | Missense | NM\_000435 | c.626\_627delinsTT | p.G209V | 0.09 | report | null | - | SNV | Substitution/Indel | 1197 | 20.9 |
| **R18E7461R1H2** | NOTCH4 | Frameshift | NM\_004557 | c.4348del | p.L1450Cfs\*8 | .090 | report | null | - | SNV | Truncation | 1294 | 20.9 |
| **R18E7461R1H2** | BARD1 | Missense | NM\_000465 | c.349G>T | p.D117Y | .088 | reportVous | null | - | SNV | Substitution/Indel | 432 | 20.9 |
| **R18E7461R1H2** | FLT1 | Missense | NM\_002019 | c.3231C>A | p.S1077R | .136 | reportVous | null | - | SNV | Substitution/Indel | 530 | 20.9 |
| **R18E7461R1H2** | ARID1A | Splicing Site | NM\_006015 | c.2732+1G>T | - | .087 | report | null | - | SNV | Substitution/Indel | 378 | 20.9 |
| **R18E7461R1H2** | INPP4B | Nonsense | NM\_003866 | c.26C>A | p.S9\* | .054 | report | null | - | SNV | Truncation | 569 | 20.9 |
| **R18E7461R1H2** | ROS1 | Missense | NM\_002944 | c.2588G>C | p.R863P | .046 | report | null | - | SNV | Substitution/Indel | 476 | 20.9 |
| **R18E7461R1H2** | RET | Missense | NM\_020975 | c.2395C>A | p.P799T | .111 | report | null | - | SNV | Substitution/Indel | 1953 | 20.9 |
| **R18E7461R1H2** | KEAP1 | Missense | NM\_012289 | c.1813G>C | p.G605R | .051 | report | null | - | SNV | Substitution/Indel | 353 | 20.9 |
| **R18E7461R1H2** | RB1 | Missense | NM\_000321 | c.1685C>A | p.A562E | .107 | report | null | - | SNV | Substitution/Indel | 271 | 20.9 |
| **R18E7461R1H2** | EPHA5 | Nonsense | NM\_004439 | c.1460T>A | p.L487\* | .099 | reportVous | null | - | SNV | Truncation | 497 | 20.9 |
| **R18E7461R1H2** | GNAS | Missense | NM\_001077490 | c.1453G>T | p.A485S | .119 | reportVous | null | - | SNV | Substitution/Indel | 2316 | 20.9 |
| **R18E7461R1H2** | GLI1 | Splicing Site | NM\_001167609 | c.1453+11G>A | - | .058 | reportVous | null | - | SNV | Substitution/Indel | 429 | 20.9 |
| **R18E7461R1H2** | GLI2 | Missense | NM\_005270 | c.1426G>T | p.A476S | .088 | reportVous | null | - | SNV | Substitution/Indel | 1565 | 20.9 |
| **R18E7461R1H2** | BRAF | Missense | NM\_004333 | c.1406G>C | p.G469A | .192 | report | null | - | SNV | Substitution/Indel | 458 | 20.9 |
| **R18E7461R1H2** | IKZF1 | Missense | NM\_006060 | c.1321G>T | p.A441S | .094 | report | null | - | SNV | Substitution/Indel | 3306 | 20.9 |
| **R18E7461R1H2** | KMT2D | Missense | NM\_003482 | c.12871G>T | p.A4291S | .059 | reportVous | null | - | SNV | Substitution/Indel | 2235 | 20.9 |
| **R18E7461R1H2** | INHBA | Missense | NM\_002192 | c.1271G>T | p.G424V | .095 | reportVous | null | - | SNV | Substitution/Indel | 750 | 20.9 |
| **R18E7461R1H2** | LRP1 | Missense | NM\_002332 | c.12545G>A | p.C4182Y | .060 | reportVous | null | - | SNV | Substitution/Indel | 1932 | 20.9 |
| **R18E7461R1H2** | BRAF | Splicing Site | NM\_004333 | c.1140+12G>C | - | .202 | reportVous | null | - | SNV | Substitution/Indel | 563 | 20.9 |
| **R18E7461R1H2** | DOT1L | Missense | NM\_032482 | c.1135G>C | p.E379Q | .070 | report | null | - | SNV | Substitution/Indel | 1835 | 20.9 |
| **R18E7461R1H2** | TP53 | Nonsense | NM\_000546 | c.[972T>A；973G>T] | p.[D324E；G325\*] | .095 | report | null | - | SNV | Truncation | 370 | 20.9 |
| **R18E7461R1H1** | STK24 | Amplification | NM\_003576 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 17 |
| **R18E7461R1H1** | FGF14 | Amplification | NM\_004115 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 17 |
| **R18E7461R1H1** | TNFSF13B | Amplification | NM\_006573 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 17 |
| **R18E7461R1H1** | IRS2 | Amplification | NM\_003749 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 17 |
| **R18E7461R1H1** | XRCC3 | Amplification | NM\_001100119 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 17 |
| **R18E7461R1H1** | AKT1 | Amplification | NM\_001014432 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 17 |
| **R18E7461R1H1** | RAD51C | Amplification | NM\_058216 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 17 |
| **R18E7461R1H1** | PTK6 | Amplification | NM\_001256358 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 17 |
| **R18E7461R1H1** | SRMS | Amplification | NM\_080823 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 17 |
| **R18E7461R1H1** | ARFRP1 | Amplification | NM\_003224 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 17 |
| **R18E7461R1H1** | SDHA | Amplification | NM\_004168 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 17 |
| **R18E7461R1H1** | TERT | Amplification | NM\_198253 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 17 |
| **R18E7461R1H1** | IL7R | Amplification | NM\_002185 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 17 |
| **R18E7461R1H1** | RICTOR | Amplification | NM\_152756 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 17 |
| **R18E7461R1H1** | FGF10 | Amplification | NM\_004465 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 17 |
| **R18E7461R1H1** | BTK | Amplification | NM\_000061 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 17 |
| **R18E7461R1H1** | TP53 | Nonsense | NM\_000546 | c.892G>T | p.E298\* | .378 | report | null | - | SNV | Truncation | 902 | 17 |
| **R18E7461R1H1** | KEAP1 | Missense | NM\_012289 | c.852G>T | p.Q284H | .434 | report | null | - | SNV | Substitution/Indel | 1882 | 17 |
| **R18E7461R1H1** | HCK | Missense | NM\_001172133 | c.748G>T | p.G250W | .257 | report | null | - | SNV | Substitution/Indel | 1437 | 17 |
| **R18E7461R1H1** | APC | Missense | NM\_000038 | c.6403A>G | p.I2135V | .806 | reportVous | null | - | SNV | Substitution/Indel | 609 | 17 |
| **R18E7461R1H1** | NOTCH3 | Missense | NM\_000435 | c.626\_627delinsTT | p.G209V | 0.39 | report | null | - | SNV | Substitution/Indel | 1217 | 17 |
| **R18E7461R1H1** | NOTCH4 | Frameshift | NM\_004557 | c.4348del | p.L1450Cfs\*8 | .349 | report | null | - | SNV | Truncation | 4282 | 17 |
| **R18E7461R1H1** | ROCK1 | Missense | NM\_005406 | c.3490C>T | p.P1164S | .279 | report | null | - | SNV | Substitution/Indel | 573 | 17 |
| **R18E7461R1H1** | FLT1 | Missense | NM\_002019 | c.3231C>A | p.S1077R | .836 | reportVous | null | - | SNV | Substitution/Indel | 833 | 17 |
| **R18E7461R1H1** | PIK3CG | Missense | NM\_001282426 | c.3231C>A | p.D1077E | .252 | reportVous | null | - | SNV | Substitution/Indel | 734 | 17 |
| **R18E7461R1H1** | ARID1A | Splicing Site | NM\_006015 | c.2732+1G>T | - | .640 | report | null | - | SNV | Substitution/Indel | 1368 | 17 |
| **R18E7461R1H1** | ROS1 | Missense | NM\_002944 | c.2588G>C | p.R863P | .381 | report | null | - | SNV | Substitution/Indel | 362 | 17 |
| **R18E7461R1H1** | RET | Missense | NM\_020975 | c.2395C>A | p.P799T | .425 | report | null | - | SNV | Substitution/Indel | 1877 | 17 |
| **R18E7461R1H1** | RB1 | Missense | NM\_000321 | c.1685C>A | p.A562E | .837 | report | null | - | SNV | Substitution/Indel | 406 | 17 |
| **R18E7461R1H1** | EPHA5 | Nonsense | NM\_004439 | c.1460T>A | p.L487\* | .345 | reportVous | null | - | SNV | Truncation | 383 | 17 |
| **R18E7461R1H1** | GNAS | Missense | NM\_001077490 | c.1453G>T | p.A485S | .611 | reportVous | null | - | SNV | Substitution/Indel | 3448 | 17 |
| **R18E7461R1H1** | GLI1 | Splicing Site | NM\_001167609 | c.1453+11G>A | - | .400 | reportVous | null | - | SNV | Substitution/Indel | 797 | 17 |
| **R18E7461R1H1** | GLI2 | Missense | NM\_005270 | c.1426G>T | p.A476S | .916 | reportVous | null | - | SNV | Substitution/Indel | 2776 | 17 |
| **R18E7461R1H1** | BRAF | Missense | NM\_004333 | c.1406G>C | p.G469A | .540 | report | null | - | SNV | Substitution/Indel | 674 | 17 |
| **R18E7461R1H1** | IKZF1 | Missense | NM\_006060 | c.1321G>T | p.A441S | .274 | report | null | - | SNV | Substitution/Indel | 3827 | 17 |
| **R18E7461R1H1** | KMT2D | Missense | NM\_003482 | c.12871G>T | p.A4291S | .405 | reportVous | null | - | SNV | Substitution/Indel | 2282 | 17 |
| **R18E7461R1H1** | INHBA | Missense | NM\_002192 | c.1271G>T | p.G424V | .258 | reportVous | null | - | SNV | Substitution/Indel | 1231 | 17 |
| **R18E7461R1H1** | XPO1 | Missense | NM\_003400 | c.1258A>G | p.M420V | .040 | report | null | - | SNV | Substitution/Indel | 398 | 17 |
| **R18E7461R1H1** | BRAF | Splicing Site | NM\_004333 | c.1140+12G>C | - | .578 | reportVous | null | - | SNV | Substitution/Indel | 746 | 17 |
| **R18E7461R1H1** | TP53 | Nonsense | NM\_000546 | c.[972T>A；973G>T] | p.[D324E；G325\*] | .402 | report | null | - | SNV | Truncation | 783 | 17 |
| **R18E7460R1H2** | SOX2 | Amplification | NM\_003106 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 10.0 |
| **R18E7460R1H2** | MET | Amplification | NM\_000245 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 10.0 |
| **R18E7460R1H2** | RAD54B | Amplification | NM\_012415 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 10.0 |
| **R18E7460R1H2** | MYC | Amplification | NM\_002467 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 10.0 |
| **R18E7460R1H2** | NFIB | Amplification | NM\_005596 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 10.0 |
| **R18E7460R1H2** | CDKN2A | Amplification | NM\_000077 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 10.0 |
| **R18E7460R1H2** | CDKN2B | Amplification | NM\_004936 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 10.0 |
| **R18E7460R1H2** | FANCG | Amplification | NM\_004629 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 10.0 |
| **R18E7460R1H2** | PAX5 | Amplification | NM\_016734 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 10.0 |
| **R18E7460R1H2** | ERBB2 | Rearrangement | NM\_004448 | ERBB2-Intergenic | - | - | reportVous | null | - | FUS3 | Fusion/Rearrangement | - | 10.0 |
| **R18E7460R1H2** | TP53 | Missense | NM\_000546 | c.785G>T | p.G262V | .519 | report | null | - | SNV | Substitution/Indel | 399 | 10.0 |
| **R18E7460R1H2** | IRS2 | Missense | NM\_003749 | c.785C>T | p.S262L | .294 | report | null | - | SNV | Substitution/Indel | 728 | 10.0 |
| **R18E7460R1H2** | SPEN | Nonsense | NM\_015001 | c.757C>T | p.Q253\* | .113 | report | null | - | SNV | Truncation | 424 | 10.0 |
| **R18E7460R1H2** | NTRK3 | Missense | NM\_002530 | c.475C>A | p.Q159K | .265 | report | null | - | SNV | Substitution/Indel | 309 | 10.0 |
| **R18E7460R1H2** | TP53 | Missense | NM\_000546 | c.469G>T | p.V157F | .059 | report | null | - | SNV | Substitution/Indel | 595 | 10.0 |
| **R18E7460R1H2** | SPTA1 | Missense | NM\_003126 | c.4667A>T | p.H1556L | .359 | reportVous | null | - | SNV | Substitution/Indel | 379 | 10.0 |
| **R18E7460R1H2** | BCOR | Missense | NM\_001123383 | c.4274A>G | p.N1425S | .012 | report | null | - | SNV | Substitution/Indel | 332 | 10.0 |
| **R18E7460R1H2** | FAM135B | Missense | NM\_015912 | c.3370C>A | p.P1124T | .093 | reportVous | null | - | SNV | Substitution/Indel | 323 | 10.0 |
| **R18E7460R1H2** | ARID1A | Splicing Site | NM\_006015 | c.2732+1G>T | - | .027 | report | null | - | SNV | Substitution/Indel | 335 | 10.0 |
| **R18E7460R1H2** | PIK3CB | Missense | NM\_006219 | c.2333A>C | p.Y778S | .303 | reportVous | null | - | SNV | Substitution/Indel | 317 | 10.0 |
| **R18E7460R1H2** | DNMT3A | Missense | NM\_001320893 | c.151A>G | p.R51G | .303 | reportVous | null | - | SNV | Substitution/Indel | 684 | 10.0 |
| **R18E7460R1H2** | HDAC9 | Missense | NM\_014707 | c.1441C>A | p.Q481K | .104 | report | null | - | SNV | Substitution/Indel | 618 | 10.0 |
| **R18E7460R1H2** | NTRK1 | Splicing Site | NM\_001012331 | c.1233+9G>C | - | .292 | reportVous | null | - | SNV | Substitution/Indel | 342 | 10.0 |
| **R18E7460R1H2** | NFE2L2 | Missense | NM\_006164 | c.101G>A | p.R34Q | .216 | report | null | - | SNV | Substitution/Indel | 515 | 10.0 |
| **R18E7460R1H1** | SOX2 | Amplification | NM\_003106 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 10.8 |
| **R18E7460R1H1** | MET | Amplification | NM\_000245 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 10.8 |
| **R18E7460R1H1** | RAD54B | Amplification | NM\_012415 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 10.8 |
| **R18E7460R1H1** | MYC | Amplification | NM\_002467 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 10.8 |
| **R18E7460R1H1** | NFIB | Amplification | NM\_005596 | Amplification | - | - | report | null | - | CNV | Gene Amplification | - | 10.8 |
| **R18E7460R1H1** | CDKN2A | Amplification | NM\_000077 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 10.8 |
| **R18E7460R1H1** | CDKN2B | Amplification | NM\_004936 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 10.8 |
| **R18E7460R1H1** | FANCG | Amplification | NM\_004629 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 10.8 |
| **R18E7460R1H1** | PAX5 | Amplification | NM\_016734 | Amplification | - | - | reportVous | null | - | CNV | Gene Amplification | - | 10.8 |
| **R18E7460R1H1** | ERBB2 | Rearrangement | NM\_004448 | ERBB2-Intergenic | - | - | reportVous | null | - | FUS3 | Fusion/Rearrangement | - | 10.8 |
| **R18E7460R1H1** | TP53 | Missense | NM\_000546 | c.785G>T | p.G262V | .606 | report | null | - | SNV | Substitution/Indel | 330 | 10.8 |
| **R18E7460R1H1** | IRS2 | Missense | NM\_003749 | c.785C>T | p.S262L | .452 | report | null | - | SNV | Substitution/Indel | 759 | 10.8 |
| **R18E7460R1H1** | NTRK3 | Missense | NM\_002530 | c.475C>A | p.Q159K | .384 | report | null | - | SNV | Substitution/Indel | 232 | 10.8 |
| **R18E7460R1H1** | SPTA1 | Missense | NM\_003126 | c.4667A>T | p.H1556L | .305 | reportVous | null | - | SNV | Substitution/Indel | 384 | 10.8 |
| **R18E7460R1H1** | PIK3CB | Missense | NM\_006219 | c.2333A>C | p.Y778S | .226 | reportVous | null | - | SNV | Substitution/Indel | 234 | 10.8 |
| **R18E7460R1H1** | NEK11 | Missense | NM\_024800 | c.1650A>C | p.E550D | .147 | reportVous | null | - | SNV | Substitution/Indel | 225 | 10.8 |
| **R18E7460R1H1** | DNMT3A | Missense | NM\_001320893 | c.151A>G | p.R51G | .355 | reportVous | null | - | SNV | Substitution/Indel | 953 | 10.8 |
| **R18E7460R1H1** | HDAC9 | Missense | NM\_014707 | c.1441C>A | p.Q481K | .141 | report | null | - | SNV | Substitution/Indel | 647 | 10.8 |
| **R18E7460R1H1** | NTRK1 | Splicing Site | NM\_001012331 | c.1233+9G>C | - | .285 | reportVous | null | - | SNV | Substitution/Indel | 330 | 10.8 |
| **R18E7460R1H1** | NFE2L2 | Missense | NM\_006164 | c.101G>A | p.R34Q | .302 | report | null | - | SNV | Substitution/Indel | 344 | 10.8 |

R1H1 for SCLC components, R1H2 for NSCLC components.