

STAMP

Stanford Actionable Mutation Panel v3

Genes with full or partial exon coverage

| | | | | | |
|--------------------|-------------------|--------------------|-------------------|-------------------|--------|
| ABL1 | CDK4 | FGF4 | KEAP1 | NRAS | RHOA |
| AKT1 | CDK6 | FGFR1 | KIT | NTRK1 | RIT1 |
| ALK | CDKN1B | FGFR2 | KRAS | NTRK2 | ROS1 |
| APC | CDKN2A | FGFR3 | MAP2K1 | NTRK3 | SDHD |
| AR | CDKN2B | FLT3 | MAP2K2 | PALB2 | SETBP1 |
| ARAF | CHEK2 | FOXA1 [†] | MDM2 | PCBP1 | SETD2 |
| ARID1A | CREBBP | FOXL2 [†] | MDM4 | PDGFRA | SF3B1 |
| ATM [†] | CTNNB1 | FOXO1 | MED12 | PDGFRB | SMAD4 |
| AURKA | CUL3 | GATA3 | MET | PIK3CA | SMO |
| BAP1 | DDR2 [‡] | GNA11 | MLH1 | PIK3R1 | SOX2 |
| BCL2 | DNMT3A | GNAQ [‡] | MPL | PLEKHS1 | SPOP |
| BCR | DPH3 | GNAS | MSH2 | PMS2 [†] | SRC |
| BRAF | EGFR | H3-3A [†] | MSH6 [†] | POLD1 | SRSF2 |
| BRCA1 | EP300 | H3C2 [†] | MTOR [‡] | POLE [‡] | STK11 |
| BRCA2 | EPHA2 | HGF | MYC | PPP2R1A | TERT |
| CASP8 | EPHA3 | HNF1A | MYCL | PTCH1 | TP53 |
| CCND1 | ERBB2 | HRAS | MYCN | PTEN | TP63 |
| CCND2 | ERBB3 | IDH1 | MYD88 | PTPN11 | TSC1 |
| CCND3 | ERBB4 | IDH2 | NF1 | RAC1 | TSC2 |
| CCNE1 | ESR1 | IGF1R | NF2 | RAF1 | U2AF1 |
| CDH1 | EZH2 | JAK2 | NFE2L2 | RB1 | VEGFA |
| CDK12 | FBXW7 | JAK3 | NKX2-1 | RET | VHL |
| CD274 [†] | FGF3 | KDR | NOTCH1 | RHEB | YAP1 |

Introns for translocation detection

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|--------------|-------------|---------------|--------------------------|---------------|
| ALK (I19) | BRAF (I10) | FGFR3(I16-17) | FGFR2 (I17) [‡] | RET (I10-11) |
| BCR (I13-14) | FGFR1 (I17) | NTRK1(I8-9) | RAF1 (I7) | ROS1 (I31-34) |

[†] new in v3

[‡] expanded coverage in v3