

Supplementary Table 1.

Classification of ACT Onco+® genes according to coverage by FoundationOne® CDx and NCC Oncopanel®

| Gene Name | ACT Onco+® | FoundationOne® CDx | NCC Oncopanel® | Classification |
|-----------|------------|--------------------|----------------|----------------|
| ABCB1     | Yes        | No                 | No             | ACT-only       |
| ABCC2     | Yes        | No                 | No             | ACT-only       |
| ABCG2     | Yes        | No                 | No             | ACT-only       |
| ABL2      | Yes        | No                 | No             | ACT-only       |
| ADAMTS1   | Yes        | No                 | No             | ACT-only       |
| ADAMTS13  | Yes        | No                 | No             | ACT-only       |
| ADAMTS15  | Yes        | No                 | No             | ACT-only       |
| ADAMTS16  | Yes        | No                 | No             | ACT-only       |
| ADAMTS18  | Yes        | No                 | No             | ACT-only       |
| ADAMTS6   | Yes        | No                 | No             | ACT-only       |
| ADAMTS9   | Yes        | No                 | No             | ACT-only       |
| ADAMTSL1  | Yes        | No                 | No             | ACT-only       |
| ADGRA2    | Yes        | No                 | No             | ACT-only       |
| ADH1C     | Yes        | No                 | No             | ACT-only       |
| ALDH1A1   | Yes        | No                 | No             | ACT-only       |
| ARID1B    | Yes        | No                 | No             | ACT-only       |
| AXIN2     | Yes        | No                 | No             | ACT-only       |
| BCL10     | Yes        | No                 | No             | ACT-only       |
| BCL9      | Yes        | No                 | No             | ACT-only       |
| BIRC2     | Yes        | No                 | No             | ACT-only       |
| BIRC3     | Yes        | No                 | No             | ACT-only       |
| BLM       | Yes        | No                 | No             | ACT-only       |
| BMPR1A    | Yes        | No                 | No             | ACT-only       |
| BUB1B     | Yes        | No                 | No             | ACT-only       |
| CANX      | Yes        | No                 | No             | ACT-only       |
| CCNA1     | Yes        | No                 | No             | ACT-only       |
| CCNA2     | Yes        | No                 | No             | ACT-only       |
| CCNB1     | Yes        | No                 | No             | ACT-only       |
| CCNB2     | Yes        | No                 | No             | ACT-only       |
| CCNB3     | Yes        | No                 | No             | ACT-only       |
| CCNE2     | Yes        | No                 | No             | ACT-only       |
| CCNH      | Yes        | No                 | No             | ACT-only       |
| CD19      | Yes        | No                 | No             | ACT-only       |
| CD58      | Yes        | No                 | No             | ACT-only       |
| CDK1      | Yes        | No                 | No             | ACT-only       |
| CDK2      | Yes        | No                 | No             | ACT-only       |
| CDK5      | Yes        | No                 | No             | ACT-only       |
| CDK7      | Yes        | No                 | No             | ACT-only       |
| CDK9      | Yes        | No                 | No             | ACT-only       |
| CRLF2     | Yes        | No                 | No             | ACT-only       |
| CTLA4     | Yes        | No                 | No             | ACT-only       |
| CYLD      | Yes        | No                 | No             | ACT-only       |
| CYP1A1    | Yes        | No                 | No             | ACT-only       |
| CYP2B6    | Yes        | No                 | No             | ACT-only       |
| CYP2C19   | Yes        | No                 | No             | ACT-only       |
| CYP2C8    | Yes        | No                 | No             | ACT-only       |
| CYP2D6    | Yes        | No                 | No             | ACT-only       |
| CYP2E1    | Yes        | No                 | No             | ACT-only       |
| CYP3A4    | Yes        | No                 | No             | ACT-only       |
| CYP3A5    | Yes        | No                 | No             | ACT-only       |
| DCUN1D1   | Yes        | No                 | No             | ACT-only       |
| DICER1    | Yes        | No                 | No             | ACT-only       |
| DPYD      | Yes        | No                 | No             | ACT-only       |
| DTX1      | Yes        | No                 | No             | ACT-only       |
| E2F3      | Yes        | No                 | No             | ACT-only       |
| EPCAM     | Yes        | No                 | No             | ACT-only       |
| EPHA2     | Yes        | No                 | No             | ACT-only       |
| EPHA5     | Yes        | No                 | No             | ACT-only       |
| EPHA7     | Yes        | No                 | No             | ACT-only       |
| ERCC1     | Yes        | No                 | No             | ACT-only       |
| ERCC2     | Yes        | No                 | No             | ACT-only       |
| ERCC3     | Yes        | No                 | No             | ACT-only       |
| ERCC5     | Yes        | No                 | No             | ACT-only       |
| ESR2      | Yes        | No                 | No             | ACT-only       |
| ETV1      | Yes        | No                 | No             | ACT-only       |
| FANCD2    | Yes        | No                 | No             | ACT-only       |
| FANCE     | Yes        | No                 | No             | ACT-only       |
| FANCF     | Yes        | No                 | No             | ACT-only       |
| FAT1      | Yes        | No                 | No             | ACT-only       |
| FCGR2B    | Yes        | No                 | No             | ACT-only       |
| FGF1      | Yes        | No                 | No             | ACT-only       |

|          |     |    |    |          |
|----------|-----|----|----|----------|
| FLT4     | Yes | No | No | ACT-only |
| FOXP1    | Yes | No | No | ACT-only |
| FRG1     | Yes | No | No | ACT-only |
| GATA1    | Yes | No | No | ACT-only |
| GATA2    | Yes | No | No | ACT-only |
| GREM1    | Yes | No | No | ACT-only |
| GRIN2A   | Yes | No | No | ACT-only |
| GSTP1    | Yes | No | No | ACT-only |
| GSTT1    | Yes | No | No | ACT-only |
| HIF1A    | Yes | No | No | ACT-only |
| HIST1H1C | Yes | No | No | ACT-only |
| HIST1H1E | Yes | No | No | ACT-only |
| HR       | Yes | No | No | ACT-only |
| HSP90AA1 | Yes | No | No | ACT-only |
| HSP90AB1 | Yes | No | No | ACT-only |
| HSPA4    | Yes | No | No | ACT-only |
| HSPA5    | Yes | No | No | ACT-only |
| IFNL3    | Yes | No | No | ACT-only |
| IGF1     | Yes | No | No | ACT-only |
| IKBKB    | Yes | No | No | ACT-only |
| IL6      | Yes | No | No | ACT-only |
| INSR     | Yes | No | No | ACT-only |
| IRS1     | Yes | No | No | ACT-only |
| KAT6A    | Yes | No | No | ACT-only |
| KMT2C    | Yes | No | No | ACT-only |
| LCK      | Yes | No | No | ACT-only |
| LIG1     | Yes | No | No | ACT-only |
| LIG3     | Yes | No | No | ACT-only |
| LMO1     | Yes | No | No | ACT-only |
| LRP1B    | Yes | No | No | ACT-only |
| MALT1    | Yes | No | No | ACT-only |
| MAP3K7   | Yes | No | No | ACT-only |
| MAPK3    | Yes | No | No | ACT-only |
| MAX      | Yes | No | No | ACT-only |
| MTHFR    | Yes | No | No | ACT-only |
| MUC16    | Yes | No | No | ACT-only |
| MUC4     | Yes | No | No | ACT-only |
| MUC6     | Yes | No | No | ACT-only |
| NAT2     | Yes | No | No | ACT-only |
| NEFH     | Yes | No | No | ACT-only |
| NFKB1    | Yes | No | No | ACT-only |
| NOTCH4   | Yes | No | No | ACT-only |
| NQO1     | Yes | No | No | ACT-only |
| NSD1     | Yes | No | No | ACT-only |
| PAK3     | Yes | No | No | ACT-only |
| PAX8     | Yes | No | No | ACT-only |
| PDIA3    | Yes | No | No | ACT-only |
| PGF      | Yes | No | No | ACT-only |
| PHOX2B   | Yes | No | No | ACT-only |
| PIK3C3   | Yes | No | No | ACT-only |
| PIK3CD   | Yes | No | No | ACT-only |
| PIK3CG   | Yes | No | No | ACT-only |
| PIK3R3   | Yes | No | No | ACT-only |
| PMS1     | Yes | No | No | ACT-only |
| POLB     | Yes | No | No | ACT-only |
| PRKCA    | Yes | No | No | ACT-only |
| PRKCB    | Yes | No | No | ACT-only |
| PRKCG    | Yes | No | No | ACT-only |
| PRKCQ    | Yes | No | No | ACT-only |
| PRKDC    | Yes | No | No | ACT-only |
| PSMB8    | Yes | No | No | ACT-only |
| PSMB9    | Yes | No | No | ACT-only |
| PSME1    | Yes | No | No | ACT-only |
| PSME2    | Yes | No | No | ACT-only |
| PSME3    | Yes | No | No | ACT-only |
| PTGS2    | Yes | No | No | ACT-only |
| PTPRD    | Yes | No | No | ACT-only |
| PTPRT    | Yes | No | No | ACT-only |
| RAD50    | Yes | No | No | ACT-only |
| RECQL4   | Yes | No | No | ACT-only |
| RPPH1    | Yes | No | No | ACT-only |
| RUNX1    | Yes | No | No | ACT-only |
| RUNX1T1  | Yes | No | No | ACT-only |
| RXRA     | Yes | No | No | ACT-only |
| SERPINB3 | Yes | No | No | ACT-only |

|                     |     |     |     |          |
|---------------------|-----|-----|-----|----------|
| SERPINB4            | Yes | No  | No  | ACT-only |
| SH2D1A              | Yes | No  | No  | ACT-only |
| SLC19A1             | Yes | No  | No  | ACT-only |
| SLC22A2             | Yes | No  | No  | ACT-only |
| SLCO1B1             | Yes | No  | No  | ACT-only |
| SLCO1B3             | Yes | No  | No  | ACT-only |
| SMAD3               | Yes | No  | No  | ACT-only |
| SYNE1               | Yes | No  | No  | ACT-only |
| TAF1                | Yes | No  | No  | ACT-only |
| TAP1                | Yes | No  | No  | ACT-only |
| TAP2                | Yes | No  | No  | ACT-only |
| TAPBP               | Yes | No  | No  | ACT-only |
| TET1                | Yes | No  | No  | ACT-only |
| TMSB4X              | Yes | No  | No  | ACT-only |
| TNF                 | Yes | No  | No  | ACT-only |
| TNFSF11             | Yes | No  | No  | ACT-only |
| TOP1                | Yes | No  | No  | ACT-only |
| TPMT                | Yes | No  | No  | ACT-only |
| TSHR                | Yes | No  | No  | ACT-only |
| TYMS                | Yes | No  | No  | ACT-only |
| UBE2A               | Yes | No  | No  | ACT-only |
| UBE2K               | Yes | No  | No  | ACT-only |
| UBR5                | Yes | No  | No  | ACT-only |
| UGT1A1              | Yes | No  | No  | ACT-only |
| USH2A               | Yes | No  | No  | ACT-only |
| VDR                 | Yes | No  | No  | ACT-only |
| VEGFB               | Yes | No  | No  | ACT-only |
| XIAP                | Yes | No  | No  | ACT-only |
| ABL1                | Yes | Yes | Yes | Common   |
| AKT1                | Yes | Yes | Yes | Common   |
| AKT2                | Yes | Yes | Yes | Common   |
| AKT3                | Yes | Yes | Yes | Common   |
| ALK                 | Yes | Yes | Yes | Common   |
| AMER1(FAM123BorWTX) | Yes | Yes | No  | Common   |
| APC                 | Yes | Yes | Yes | Common   |
| AR                  | Yes | Yes | No  | Common   |
| ARAF                | Yes | Yes | Yes | Common   |
| ARID1A              | Yes | Yes | Yes | Common   |
| ARID2               | Yes | No  | Yes | Common   |
| ASXL1               | Yes | Yes | No  | Common   |
| ATM                 | Yes | Yes | Yes | Common   |
| ATR                 | Yes | Yes | No  | Common   |
| ATRX                | Yes | Yes | No  | Common   |
| AURKA               | Yes | Yes | No  | Common   |
| AURKB               | Yes | Yes | No  | Common   |
| AXIN1               | Yes | Yes | Yes | Common   |
| AXL                 | Yes | Yes | Yes | Common   |
| B2M                 | Yes | No  | Yes | Common   |
| BAP1                | Yes | Yes | Yes | Common   |
| BARD1               | Yes | Yes | Yes | Common   |
| BCL2                | Yes | Yes | No  | Common   |
| BCL2L1              | Yes | Yes | No  | Common   |
| BCL2L2              | Yes | Yes | No  | Common   |
| BCL6                | Yes | Yes | No  | Common   |
| BCOR                | Yes | Yes | No  | Common   |
| BRAF                | Yes | Yes | Yes | Common   |
| BRCA1               | Yes | Yes | Yes | Common   |
| BRCA2               | Yes | Yes | Yes | Common   |
| BRD4                | Yes | Yes | No  | Common   |
| BRIP1               | Yes | Yes | No  | Common   |
| BTG1                | Yes | Yes | No  | Common   |
| BTG2                | Yes | Yes | No  | Common   |
| BTB                 | Yes | Yes | No  | Common   |
| CALR                | Yes | Yes | No  | Common   |
| CARD11              | Yes | Yes | No  | Common   |
| CASP8               | Yes | Yes | No  | Common   |
| CBFB                | Yes | Yes | No  | Common   |
| CBL                 | Yes | Yes | No  | Common   |
| CCND1               | Yes | Yes | Yes | Common   |
| CCND2               | Yes | Yes | No  | Common   |
| CCND3               | Yes | Yes | No  | Common   |
| CCNE1               | Yes | Yes | Yes | Common   |
| CD274/PD-L1         | Yes | Yes | Yes | Common   |
| CD70                | Yes | Yes | No  | Common   |
| CD79A               | Yes | Yes | No  | Common   |

|            |     |     |     |        |
|------------|-----|-----|-----|--------|
| CD79B      | Yes | Yes | No  | Common |
| CDC73      | Yes | Yes | No  | Common |
| CDH1       | Yes | Yes | No  | Common |
| CDK12      | Yes | Yes | Yes | Common |
| CDK4       | Yes | Yes | Yes | Common |
| CDK6       | Yes | Yes | Yes | Common |
| CDK8       | Yes | Yes | No  | Common |
| CDKN1A     | Yes | Yes | No  | Common |
| CDKN1B     | Yes | Yes | No  | Common |
| CDKN2A     | Yes | Yes | Yes | Common |
| CDKN2B     | Yes | Yes | No  | Common |
| CDKN2C     | Yes | Yes | No  | Common |
| CEBPA      | Yes | Yes | No  | Common |
| CHEK1      | Yes | Yes | No  | Common |
| CHEK2      | Yes | Yes | Yes | Common |
| CIC        | Yes | Yes | No  | Common |
| CREBBP     | Yes | Yes | Yes | Common |
| CRKL       | Yes | Yes | Yes | Common |
| CSF1R      | Yes | Yes | No  | Common |
| CTCF       | Yes | Yes | No  | Common |
| CTNNA1     | Yes | Yes | No  | Common |
| CTNNB1     | Yes | Yes | Yes | Common |
| CUL3       | Yes | Yes | Yes | Common |
| DAXX       | Yes | Yes | No  | Common |
| DDR2       | Yes | Yes | Yes | Common |
| DNMT3A     | Yes | Yes | No  | Common |
| DOT1L      | Yes | Yes | No  | Common |
| EGFR       | Yes | Yes | Yes | Common |
| EP300      | Yes | Yes | Yes | Common |
| EPHA3      | Yes | Yes | No  | Common |
| EPHB1      | Yes | Yes | No  | Common |
| ERBB2/HER2 | Yes | Yes | Yes | Common |
| ERBB3      | Yes | Yes | Yes | Common |
| ERBB4      | Yes | Yes | Yes | Common |
| ERCC4      | Yes | Yes | No  | Common |
| ERG        | Yes | Yes | No  | Common |
| ESR1/ER    | Yes | Yes | Yes | Common |
| ETV4_i     | Yes | Yes | No  | Common |
| EZH2       | Yes | Yes | Yes | Common |
| FANCA      | Yes | Yes | No  | Common |
| FANCC      | Yes | Yes | No  | Common |
| FANCG      | Yes | Yes | No  | Common |
| FANCL      | Yes | Yes | No  | Common |
| FAS        | Yes | Yes | No  | Common |
| FBXW7      | Yes | Yes | Yes | Common |
| FGF10      | Yes | Yes | No  | Common |
| FGF14      | Yes | Yes | No  | Common |
| FGF19      | Yes | Yes | No  | Common |
| FGF23      | Yes | Yes | No  | Common |
| FGF3       | Yes | Yes | No  | Common |
| FGF4       | Yes | Yes | No  | Common |
| FGF6       | Yes | Yes | No  | Common |
| FGFR1      | Yes | Yes | Yes | Common |
| FGFR2      | Yes | Yes | Yes | Common |
| FGFR3      | Yes | Yes | Yes | Common |
| FGFR4      | Yes | Yes | Yes | Common |
| FH         | Yes | Yes | No  | Common |
| FLCN       | Yes | Yes | No  | Common |
| FLT1       | Yes | Yes | No  | Common |
| FLT3       | Yes | Yes | Yes | Common |
| FOXL2      | Yes | Yes | No  | Common |
| FUBP1      | Yes | Yes | No  | Common |
| GATA3      | Yes | Yes | No  | Common |
| GNA11      | Yes | Yes | Yes | Common |
| GNA13      | Yes | Yes | No  | Common |
| GNAQ       | Yes | Yes | Yes | Common |
| GNAS       | Yes | Yes | Yes | Common |
| GSK3B      | Yes | Yes | No  | Common |
| HGF        | Yes | Yes | No  | Common |
| HNF1A      | Yes | Yes | No  | Common |
| HRAS       | Yes | Yes | Yes | Common |
| IDH1       | Yes | Yes | Yes | Common |
| IDH2       | Yes | Yes | Yes | Common |
| IGF1R      | Yes | Yes | Yes | Common |
| IGF2       | Yes | No  | Yes | Common |

|                 |     |     |     |        |
|-----------------|-----|-----|-----|--------|
| IKBKE           | Yes | Yes | No  | Common |
| IKZF1           | Yes | Yes | No  | Common |
| IL7R            | Yes | No  | Yes | Common |
| INPP4B          | Yes | Yes | No  | Common |
| IRF4            | Yes | Yes | No  | Common |
| IRS2            | Yes | Yes | No  | Common |
| JAK1            | Yes | Yes | Yes | Common |
| JAK2            | Yes | Yes | Yes | Common |
| JAK3            | Yes | Yes | Yes | Common |
| JUN             | Yes | Yes | No  | Common |
| KDM5A           | Yes | Yes | No  | Common |
| KDM5C           | Yes | Yes | No  | Common |
| KDM6A/UTX       | Yes | Yes | Yes | Common |
| KDR             | Yes | Yes | No  | Common |
| KEAP1           | Yes | Yes | Yes | Common |
| KIT             | Yes | Yes | Yes | Common |
| KMT2A(MLL)      | Yes | Yes | No  | Common |
| KMT2D(MLL2)     | Yes | Yes | No  | Common |
| KRAS            | Yes | Yes | Yes | Common |
| LYN             | Yes | Yes | No  | Common |
| MAP2K1/MEK1     | Yes | Yes | Yes | Common |
| MAP2K2/MEK2     | Yes | Yes | Yes | Common |
| MAP2K4          | Yes | Yes | Yes | Common |
| MAP3K1          | Yes | Yes | Yes | Common |
| MAPK1           | Yes | Yes | No  | Common |
| MCL1            | Yes | Yes | No  | Common |
| MDM2            | Yes | Yes | Yes | Common |
| MDM4            | Yes | Yes | Yes | Common |
| MED12           | Yes | Yes | No  | Common |
| MEF2B           | Yes | Yes | No  | Common |
| MEN1            | Yes | Yes | Yes | Common |
| MET             | Yes | Yes | Yes | Common |
| MITF            | Yes | Yes | No  | Common |
| MLH1            | Yes | Yes | Yes | Common |
| MPL             | Yes | Yes | No  | Common |
| MRE11(MRE11A)   | Yes | Yes | No  | Common |
| MSH2            | Yes | Yes | Yes | Common |
| MSH6            | Yes | Yes | Yes | Common |
| MTOR            | Yes | Yes | Yes | Common |
| MUTYH           | Yes | Yes | No  | Common |
| MYC             | Yes | Yes | Yes | Common |
| MYCL(MYCL1)     | Yes | Yes | No  | Common |
| MYCN            | Yes | Yes | Yes | Common |
| MYD88           | Yes | Yes | No  | Common |
| NBN             | Yes | Yes | No  | Common |
| NF1             | Yes | Yes | Yes | Common |
| NF2             | Yes | Yes | Yes | Common |
| NFE2L2/Nrf2     | Yes | Yes | Yes | Common |
| NFKBIA          | Yes | Yes | No  | Common |
| NKX2-1          | Yes | Yes | No  | Common |
| NOTCH1          | Yes | Yes | Yes | Common |
| NOTCH2          | Yes | Yes | Yes | Common |
| NOTCH3          | Yes | Yes | Yes | Common |
| NPM1            | Yes | Yes | No  | Common |
| NRAS            | Yes | Yes | Yes | Common |
| NTRK1           | Yes | Yes | Yes | Common |
| NTRK2           | Yes | Yes | Yes | Common |
| NTRK3           | Yes | Yes | Yes | Common |
| PALB2           | Yes | Yes | Yes | Common |
| PARP1           | Yes | Yes | No  | Common |
| PAX5            | Yes | Yes | No  | Common |
| PBRM1           | Yes | Yes | Yes | Common |
| PDCD1(PD-1)     | Yes | Yes | No  | Common |
| PDCD1LG2(PD-L2) | Yes | Yes | No  | Common |
| PDGFRA          | Yes | Yes | Yes | Common |
| PDGFRB          | Yes | Yes | Yes | Common |
| PIK3C2B         | Yes | Yes | No  | Common |
| PIK3C2G         | Yes | Yes | No  | Common |
| PIK3CA          | Yes | Yes | Yes | Common |
| PIK3CB          | Yes | Yes | No  | Common |
| PIK3R1          | Yes | Yes | Yes | Common |
| PIK3R2          | Yes | No  | Yes | Common |
| PIM1            | Yes | Yes | No  | Common |
| PMS2            | Yes | Yes | Yes | Common |
| POLD1           | Yes | Yes | Yes | Common |

|                |     |     |     |        |
|----------------|-----|-----|-----|--------|
| POLE           | Yes | Yes | Yes | Common |
| PPARG          | Yes | Yes | No  | Common |
| PPP2R1A        | Yes | Yes | No  | Common |
| PRDM1          | Yes | Yes | No  | Common |
| PRKAR1A        | Yes | Yes | No  | Common |
| PRKCI          | Yes | Yes | Yes | Common |
| PRKN(PARK2)    | Yes | Yes | No  | Common |
| PTCH1          | Yes | Yes | Yes | Common |
| PTEN           | Yes | Yes | Yes | Common |
| PTPN11         | Yes | Yes | No  | Common |
| RAC1           | Yes | Yes | Yes | Common |
| RAD51          | Yes | Yes | No  | Common |
| RAD51B         | Yes | Yes | No  | Common |
| RAD51C         | Yes | Yes | Yes | Common |
| RAD51D         | Yes | Yes | No  | Common |
| RAD52          | Yes | Yes | No  | Common |
| RAD54L         | Yes | Yes | No  | Common |
| RAF1/CRAF      | Yes | Yes | Yes | Common |
| RARA           | Yes | Yes | No  | Common |
| RB1            | Yes | Yes | Yes | Common |
| RBM10          | Yes | Yes | No  | Common |
| REL            | Yes | Yes | No  | Common |
| RET            | Yes | Yes | Yes | Common |
| RHOA           | Yes | No  | Yes | Common |
| RICTOR         | Yes | Yes | No  | Common |
| RNF43          | Yes | Yes | No  | Common |
| ROS1           | Yes | Yes | Yes | Common |
| RPTOR          | Yes | Yes | No  | Common |
| SDHA           | Yes | Yes | No  | Common |
| SDHB           | Yes | Yes | No  | Common |
| SDHC           | Yes | Yes | No  | Common |
| SDHD           | Yes | Yes | No  | Common |
| SETD2          | Yes | Yes | Yes | Common |
| SF3B1          | Yes | Yes | No  | Common |
| SGK1           | Yes | Yes | No  | Common |
| SMAD2          | Yes | Yes | No  | Common |
| SMAD4          | Yes | Yes | Yes | Common |
| SMARCA4/BRG1   | Yes | Yes | Yes | Common |
| SMARCB1        | Yes | Yes | Yes | Common |
| SMO            | Yes | Yes | Yes | Common |
| SOCS1          | Yes | Yes | No  | Common |
| SOX2           | Yes | Yes | No  | Common |
| SOX9           | Yes | Yes | No  | Common |
| SPEN           | Yes | Yes | No  | Common |
| SPOP           | Yes | Yes | No  | Common |
| SRC            | Yes | Yes | No  | Common |
| STAG2          | Yes | Yes | No  | Common |
| STAT3          | Yes | Yes | Yes | Common |
| STK11/LKB1     | Yes | Yes | Yes | Common |
| SUFU           | Yes | Yes | No  | Common |
| SYK            | Yes | Yes | No  | Common |
| TBX3           | Yes | Yes | No  | Common |
| TEK            | Yes | Yes | No  | Common |
| TENT5C(FAM46C) | Yes | Yes | No  | Common |
| TERT_i         | Yes | Yes | No  | Common |
| TET2           | Yes | Yes | No  | Common |
| TGFBR2         | Yes | Yes | No  | Common |
| TNFAIP3        | Yes | Yes | No  | Common |
| TNFRSF14       | Yes | Yes | No  | Common |
| TP53           | Yes | Yes | Yes | Common |
| TSC1           | Yes | Yes | Yes | Common |
| TSC2           | Yes | Yes | Yes | Common |
| U2AF1          | Yes | Yes | No  | Common |
| VEGFA          | Yes | Yes | No  | Common |
| VHL            | Yes | Yes | Yes | Common |
| WT1            | Yes | Yes | No  | Common |
| XPO1           | Yes | Yes | No  | Common |
| XRCC2          | Yes | Yes | No  | Common |
| ZNF217         | Yes | Yes | No  | Common |

Note: ACT-only genes were defined as genes covered exclusively by ACT Onco+®. Common genes were defined as ACT Onco+® genes also covered by FoundationOne® CDx and/or NCC Oncopanel®.