

S2 Table. Genes analyzed by Axen Cancer Panel 1

Function	Gene
SNV/InDel	<i>ABL1</i>
SNV/InDel	<i>AKT1</i>
SNV/InDel	<i>AKT3</i>
SNV/InDel	<i>ALK</i>
SNV/InDel	<i>APC</i>
SNV/InDel	<i>AR</i>
SNV/InDel	<i>ATM</i>
SNV/InDel	<i>AXL</i>
SNV/InDel	<i>BRAF</i>
SNV/InDel	<i>BRCA1</i>
SNV/InDel	<i>BRCA2</i>
SNV/InDel	<i>CCND1</i>
SNV/InDel	<i>CDH1</i>
SNV/InDel	<i>CDK4</i>
SNV/InDel	<i>CDK6</i>
SNV/InDel	<i>CDKN2A</i>
SNV/InDel	<i>CEBPA</i>
SNV/InDel	<i>CSF1R</i>
SNV/InDel	<i>CTNNB1</i>
SNV/InDel	<i>DDR2</i>
SNV/InDel	<i>EGFR</i>
SNV/InDel	<i>ERBB2</i>
SNV/InDel	<i>ERBB3</i>
SNV/InDel	<i>ERBB4</i>
SNV/InDel	<i>ERG</i>
SNV/InDel	<i>ESR1</i>
SNV/InDel	<i>ETV1</i>
SNV/InDel	<i>ETV4</i>
SNV/InDel	<i>ETV5</i>
SNV/InDel	<i>EZH2</i>
SNV/InDel	<i>FANCA</i>
SNV/InDel	<i>FANCC</i>
SNV/InDel	<i>FANCF</i>
SNV/InDel	<i>FANCG</i>
SNV/InDel	<i>FBXW7</i>
SNV/InDel	<i>FGFR1</i>
SNV/InDel	<i>FGFR2</i>
SNV/InDel	<i>FGFR3</i>
SNV/InDel	<i>FGFR4</i>
SNV/InDel	<i>FLT3</i>
SNV/InDel	<i>FOXL2</i>
SNV/InDel	<i>GNA11</i>
SNV/InDel	<i>GNAQ</i>
SNV/InDel	<i>GNAS</i>
SNV/InDel	<i>HNF1A</i>
SNV/InDel	<i>HRAS</i>
SNV/InDel	<i>IDH1</i>

SNV/InDel	<i>IDH2</i>
SNV/InDel	<i>JAK1</i>
SNV/InDel	<i>JAK2</i>
SNV/InDel	<i>JAK3</i>
SNV/InDel	<i>KDR</i>
SNV/InDel	<i>KIT</i>
SNV/InDel	<i>KRAS</i>
SNV/InDel	<i>MAP2K1</i>
SNV/InDel	<i>MAP2K2</i>
SNV/InDel	<i>MAP2K4</i>
SNV/InDel	<i>MET</i>
SNV/InDel	<i>MLH1</i>
SNV/InDel	<i>MPL</i>
SNV/InDel	<i>MTOR</i>
SNV/InDel	<i>MYC</i>
SNV/InDel	<i>MYCN</i>
SNV/InDel	<i>NOTCH1</i>
SNV/InDel	<i>NPM1</i>
SNV/InDel	<i>NRAS</i>
SNV/InDel	<i>NTRK1</i>
SNV/InDel	<i>NTRK2</i>
SNV/InDel	<i>NTRK3</i>
SNV/InDel	<i>PDGFRA</i>
SNV/InDel	<i>PIK3CA</i>
SNV/InDel	<i>PIK3R1</i>
SNV/InDel	<i>PPARG</i>
SNV/InDel	<i>PTEN</i>
SNV/InDel	<i>PTPN11</i>
SNV/InDel	<i>RAF1</i>
SNV/InDel	<i>RB1</i>
SNV/InDel	<i>RET</i>
SNV/InDel	<i>ROS1</i>
SNV/InDel	<i>RUNX1</i>
SNV/InDel	<i>SMAD4</i>
SNV/InDel	<i>SMARCB1</i>
SNV/InDel	<i>SMO</i>
SNV/InDel	<i>SRC</i>
SNV/InDel	<i>STK11</i>
SNV/InDel	<i>TP53</i>
SNV/InDel	<i>VHL</i>
SNV/InDel	<i>WT1</i>
Fusion	<i>ALK</i>
Fusion	<i>RET</i>
Fusion	<i>ROS1</i>

SNV, single nucleotide variant.