

Illumina Focus Panel: DNA Amplicon Coverage

Amplicon	Chromosome	Gene	Transcript	Region	Nucleotides	Codons	SNVs/indels (VAF cutoff)	CNVs
CHP2_AKT1_1	chr14	AKT1	NM_005163	Exon 3	c.47-30_154	p.16_52	Y (5%)	Y
Focus_ALK_1	chr2	ALK	NM_004304	Exon 29	c.4749_*14	p.1583_1621	Y (5%)	Y
Focus_ALK_2	chr2	ALK	NM_004304	Exon 29	c.4495_4625	p.1499_1542		
Focus_ALK_3	chr2	ALK	NM_004304	Exon 29	c.4281_4411	p.1427_1471		
Focus_ALK_4	chr2	ALK	NM_004304	Exon 27	c.4000_4073+15	p.1334_1358		
OCP1_ALK_1	chr2	ALK	NM_004304	Exon 25	c.3753_3833	p.1251_1278		
Focus_ALK_5	chr2	ALK	NM_004304	Exon 24	c.3646-27_3743+6	p.1216_1248		
OCP1_ALK_2	chr2	ALK	NM_004304	Exon 23	c.3516-1_3644	p.1172_1215		
ON_ALK_0	chr2	ALK	NM_004304	Exon 22	c.3451-46_3515+1	p.1151_1172		
Focus_ALK_6	chr2	ALK	NM_004304	Exon 21	c.3360-10_3450+3	p.1120_1150		
Focus_ALK_7	chr2	ALK	NM_004304	Exon 11	c.1976_2041+44	p.659_681		
OCP1_APC_1	chr5	APC	NM_000038	Upstream	c.-30290_-30180	p.?	Y (5%)	Y
OCP1_APC_21	chr5	APC	NM_000038	Exon 8	c.835-68_860	p.279_287		
OCP1_APC_32	chr5	APC	NM_000038	Exon 12	c.1549-35_1591	p.517_531		
OCP1_APC_40	chr5	APC	NM_000038	Exon 15	c.1959-12_2066	p.653_689		
OCP1_APC_62	chr5	APC	NM_000038	Exon 15	c.4163_4289	p.1388_1430		
OCP1_AR_2	chrX	AR	NM_000044	intron 1	c.1616+9582_1616+9651	p.?	Y (5%)	Y
OCP1_AR_3	chrX	AR	NM_000044	intron 1	c.1616+32610_1616+32705	p.?		
OCP1_AR_6	chrX	AR	NM_000044	intron 2	c.1768+2869_1768+2979	p.?		
OCP1_AR_8	chrX	AR	NM_000044	intron 2	c.1768+11278_1768+11380	p.?		
OCP1_AR_10	chrX	AR	NM_000044	intron 3	c.1885+897_1885+957	p.?		
OCP1_AR_11	chrX	AR	NM_000044	intron 3	c.1885+9213_1885+9327	p.?		
OCP1_AR_12	chrX	AR	NM_000044	intron 3	c.1885+11699_1885+11803	p.?		
OCP1_AR_14	chrX	AR	NM_000044	intron 5	c.2318+1473_2318+1590	p.?		
Focus_AR_1	chrX	AR	NM_000044	Exon 6	c.2362_2449+42	p.788_817		
OCP1_AR_15	chrX	AR	NM_000044	Exon 8	c.2608-10_2672	p.870_891		
OCP1_AR_16	chrX	AR	NM_000044	Exon 8 (3'UTR)	c.*1438_*1547	p.?	Y (5%)	Y
OCP1_BIRC2_7	chr11	BIRC2	NM_001166	intron 4	c.1075-212_1075-129	p.?		
OCP1_BIRC2_8	chr11	BIRC2	NM_001166	intron 5	c.1124-1271_1124-1168	p.?		
OCP1_BIRC2_11	chr11	BIRC2	NM_001166	intron 5	c.1124-468_1124-369	p.?		
OCP1_BIRC2_12	chr11	BIRC2	NM_001166	intron 5	c.1124-109_1124-9	p.?		
OCP1_BIRC2_14	chr11	BIRC2	NM_001166	Exon 7	c.1367-59_1417	p.456_473		

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Focus_BRAF_1	chr7	BRAF	NM_004333	Exon 18	c.2204_*7	p.735_767	Y (1%)	Y
CHP2_BRAF_2	chr7	BRAF	NM_004333	Exon 15	c.1742-28_1832	p.581_611		
Focus_BRAF_2	chr7	BRAF	NM_004333	Exon 13	c.1643_1694+65	p.548_565		
Focus_BRAF_3	chr7	BRAF	NM_004333	Exon 13	c.1518-56_1540	p.506_514		
OCP1_BRAF_1	chr7	BRAF	NM_004333	Exon 11	c.1351_1432+11	p.451_478		
Focus_BRAF_4	chr7	BRAF	NM_004333	Exon 10	c.1250_1314+35	p.417_438		
Focus_BRAF_5	chr7	BRAF	NM_004333	Exon 8	c.981-19_1049	p.327_350		
Focus_BRAF_6	chr7	BRAF	NM_004333	Exon 7	c.861-13_927	p.287_309		
Focus_BRAF_7	chr7	BRAF	NM_004333	Exon 6	c.745_819	p.249_273		
Focus_BRAF_8	chr7	BRAF	NM_004333	Exon 5	c.609-3_686	p.203_229		
OCP1_BRCA1_6	chr17	BRCA1	NM_007294	Exon 21	c.5278-31_5332+32	p.1760_1778	Y (1%)	Y
OCP1_BRCA1_11	chr17	BRCA1	NM_007294	Exon 18	c.5075-83_5083	p.1692_1695		
OCP1_BRCA1_84	chr17	BRCA1	NM_007294	Exon 7	c.302-24_370	p.101_124		
OCP1_BRCA1_88	chr17	BRCA1	NM_007294	Exon 5	c.135-73_159	p.45_53		
OCP1_BRCA1_91	chr17	BRCA1	NM_007294	Exon 2	c.-8_80+23	p.1-27	Y (5%)	Y
OCP1_CCND1_1	chr11	CCND1	NM_053056	intron 1	c.198+663_198+749	p.?		
OCP1_CCND1_2	chr11	CCND1	NM_053056	Exon 2	c.264_367	p.88_123		
OCP1_CCND1_4	chr11	CCND1	NM_053056	intron 3	c.574+104_574+208	p.?		
OCP1_CCND1_6	chr11	CCND1	NM_053056	intron 3	c.574+967_574+1048	p.?		
OCP1_CCND1_7	chr11	CCND1	NM_053056	intron 3	c.575-1973_575-1853	p.?		
OCP1_CCND1_8	chr11	CCND1	NM_053056	intron 3	c.575-1800_575-1672	p.?		
OCP1_CCND1_9	chr11	CCND1	NM_053056	intron 3	c.575-816_575-717	p.?		
OCP1_CCND1_10	chr11	CCND1	NM_053056	intron 4	c.723+254_723+337	p.?		
OCP1_CCND1_17	chr11	CCND1	NM_053056	Exon 5 (3'UTR)	c.*538_*651	p.?		
OCP1_CCND1_18	chr11	CCND1	NM_053056	Exon 5 (3'UTR)	c.*902_*989	p.?		
OCP1_CDK4_2	chr12	CDK4	NM_000075	Exon 8 (3'UTR)	c.*148_*256	p.?	Y (5%)	Y
OCP1_CDK4_3	chr12	CDK4	NM_000075	Exon 8	c.857_*63	p.286_304		
OCP1_CDK4_4	chr12	CDK4	NM_000075	Exon 7	c.801_819+78	p.267_273		
OCP1_CDK4_6	chr12	CDK4	NM_000075	Exon 6	c.633-52_672	p.211_224		
OCP1_CDK4_7	chr12	CDK4	NM_000075	Exon 5	c.568_632+57	p.190_211		
OCP1_CDK4_8	chr12	CDK4	NM_000075	intron 4	c.522+30_523-22	p.?		
OCP1_CDK4_10	chr12	CDK4	NM_000075	intron 3	c.354+7_355-8	p.?		
OCP1_CDK4_12	chr12	CDK4	NM_000075	Exon 2	c.20_148	p.7_50		
OCP1_CDK4_13	chr12	CDK4	NM_000075	intron 1	c.-20+139_-19-184	p.?		
OCP1_CDK4_14	chr12	CDK4	NM_000075	Exon 1 (5'UTR)	c.-88_-20+18	p.?		

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OCP1_CDK6_2	chr7	CDK6	NM_001259	intron 7	c.835-1078_835-995	p.?		Y
OCP1_CDK6_4	chr7	CDK6	NM_001259	intron 5	c.648-20643_648-20556	p.?		
OCP1_CDK6_5	chr7	CDK6	NM_001259	intron 5	c.648-20965_648-20853	p.?		
OCP1_CDK6_6	chr7	CDK6	NM_001259	intron 5	c.647+13800_647+13911	p.?		
OCP1_CDK6_7	chr7	CDK6	NM_001259	intron 5	c.647+8176_647+8272	p.?		
OCP1_CDK6_11	chr7	CDK6	NM_001259	intron 3	c.369+20162_369+20258	p.?		
OCP1_CDK6_12	chr7	CDK6	NM_001259	intron 2	c.234-8164_234-8052	p.?		
OCP1_CDK6_13	chr7	CDK6	NM_001259	intron 2	c.234-20552_234-20451	p.?		
OCP1_CDK6_14	chr7	CDK6	NM_001259	intron 2	c.233+26803_233+26876	p.?		
OCP1_CDK6_15	chr7	CDK6	NM_001259	intron 2	c.233+20106_233+20195	p.?		
CHP2_CTNNB1_1	chr3	CTNNB1	NM_001904	Exon 3	c.27_144	p.9_48	Y (5%)	Y
OCP1_DCUN1D1_3	chr3	DCUN1D1	NM_020640	intron 4	c.520+6152_520+6242	p.?		Y
OCP1_DCUN1D1_5	chr3	DCUN1D1	NM_020640	Exon 2	c.14_77	p.5_26		
OCP1_DCUN1D1_9	chr3	DCUN1D1	NM_020640	intron 1	c.3+7004_3+7104	p.?		
OCP1_DCUN1D1_10	chr3	DCUN1D1	NM_020640	intron 1	c.3+4863_3+4963	p.?		
OCP1_DCUN1D1_12	chr3	DCUN1D1	NM_020640	intron 1	c.3+1262_3+1366	p.?		
ON_DDR2_2	chr1	DDR2	NM_001014796	Exon 6	c.278_403	p.93_135	Y (5%)	Y
OCP1_EGFR_13	chr7	EGFR	NM_005228	intron 1	c.89-11023_89-10932	p.?	Y (1%)	Y
CHP2_EGFR_1	chr7	EGFR	NM_005228	Exon 3	c.288_369	p.96_123		
OCP1_EGFR_16	chr7	EGFR	NM_005228	intron 5	c.629-340_629-252	p.?		
CHP2_EGFR_2	chr7	EGFR	NM_005228	Exon 7	c.837_889+74	p.279_297		
ON_EGFR_2A	chr7	EGFR	NM_005228	Exon 12	c.1418_1498+26	p.473_500		
CHP2_EGFR_3	chr7	EGFR	NM_005228	Exon 15	c.1723-10_1803	p.575_601		
CHP2_EGFR_4	chr7	EGFR	NM_005228	Exon 18	c.2084_2177	p.695_726		
CHP2_EGFR_5	chr7	EGFR	NM_005228	Exon 19	c.2185-3_2283+27	p.729_761		
CCP_EGFR_6	chr7	EGFR	NM_005228	Exon 20	c.2284-11_2398	p.762_800		
OCP1_EGFR_23	chr7	EGFR	NM_005228	Exon 21	c.2479_2596	p.827_866		
OCP1_ERBB2_12	chr17	ERBB2	NM_004448	Exon 8	c.902-55_980	p.301_327	Y (1%)	Y
OCP1_ERBB2_14	chr17	ERBB2	NM_004448	intron 12	c.1513+171_1514-68	p.?		
OCP1_ERBB2_17	chr17	ERBB2	NM_004448	Exon 17	c.1983_2071	p.661_691		
Focus_ERBB2_1	chr17	ERBB2	NM_004448	Exon 18	c.2108_2208	p.703_736		
CHP2_ERBB2_1	chr17	ERBB2	NM_004448	Exon 19	c.2257_2307+77	p.753_769		
CHP2_ERBB2_2	chr17	ERBB2	NM_004448	Exon 20	c.2308-25_2390	p.770_797		
CHP2_ERBB2_3	chr17	ERBB2	NM_004448	Exon 21	c.2517_2645	p.839_882		
Focus_ERBB2_2	chr17	ERBB2	NM_004448	Exon 22	c.2650-60_2714	p.884_905		
OCP1_ERBB2_22	chr17	ERBB2	NM_004448	Exon 24	c.2903_2970+35	p.968_990		
OCP1_ERBB2_23	chr17	ERBB2	NM_004448	Exon 25	c.3026_3152	p.1009_1051		

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Focus_ERBB3_1	chr12	ERBB3	NM_001982	Exon 2	c.138_234+19	p.46_78	Y (5%)	Y
OCP1_ERBB3_1	chr12	ERBB3	NM_001982	Exon 3a	c.260_360	p.87_120		
Focus_ERBB3_2	chr12	ERBB3	NM_001982	Exon 6	c.614-11_732+1	p.205_244		
OCP1_ERBB3_2	chr12	ERBB3	NM_001982	Exon 8	c.875-36_936	p.292_312		
Focus_ERBB3_3	chr12	ERBB3	NM_001982	Exon 9	c.989-4_1109	p.330_370		
Focus_ERBB4_1	chr2	ERBB4	NM_005235	Exon 18	c.2080-31_2141	p.694_714	Y (5%)	Y
OCP1_ESR1_3	chr6	ESR1	NM_000125	Exon 8	c.1597_1716	p.533_572	Y (5%)	Y
OCP1_FGFR1_1	chr8	FGFR1	NM_023110	Exon 17	c.2187-26_2283	p.729_761	Y (5%)	Y
OCP1_FGFR1_2	chr8	FGFR1	NM_023110	Exon 16	c.2049-5_2170	p.683_724		
CHP2_FGFR1_2	chr8	FGFR1	NM_023110	Exon 7	c.746-37_822	p.249_274		
OCP1_FGFR1_7	chr8	FGFR1	NM_023110	Exon 6	c.696_745+72	p.232_249		
OCP1_FGFR1_8	chr8	FGFR1	NM_023110	Exon 5	c.534_621+8	p.178_207		
OCP1_FGFR1_10	chr8	FGFR1	NM_023110	Exon 3	c.350_358+115	p.117_120		
OCP1_FGFR1_13	chr8	FGFR1	NM_023110	intron 2	c.92-5655_92-5545	p.?		
OCP1_FGFR1_16	chr8	FGFR1	NM_023110	intron 2	c.91+6550_91+6664	p.?		
OCP1_FGFR1_17	chr8	FGFR1	NM_023110	intron 2	c.91+6191_91+6284	p.?		
OCP1_FGFR1_18	chr8	FGFR1	NM_023110	Exon 2 (5'UTR)	c.-88-37_-24	p.?		
Focus_FGFR2_1	chr10	FGFR2	NM_000141	Exon 16	c.1891_1986	p.631_662	Y (5%)	Y
CHP2_FGFR2_4	chr10	FGFR2	NM_000141	Exon 14	c.1636_1672+56	p.546_558		
CHP2_FGFR2_3	chr10	FGFR2	NM_000141	Exon 11b	c.1085-2_1196	p.362_399		
Focus_FGFR2_2	chr10	FGFR2	NM_000141	Exon 10	c.940-6_1044	p.314_348		
CHP2_FGFR2_1	chr10	FGFR2	NM_000141	Exon 8	c.749-30_824	p.250_275		
OCP1_FGFR2_8	chr10	FGFR2	NM_000141	intron 7	c.749-4490_749-4372	p.?		
OCP1_FGFR2_12	chr10	FGFR2	NM_000141	intron 6	c.624+4678_624+4762	p.?		
OCP1_FGFR2_13	chr10	FGFR2	NM_000141	intron 5	c.455-1296_455-1183	p.?		
OCP1_FGFR2_16	chr10	FGFR2	NM_000141	intron 3b	c.109+3089_109+3196	p.?		
OCP1_FGFR2_18	chr10	FGFR2	NM_000141	intron 1	c.-150-985_-150-922	p.?		
OCP1_FGFR3_1	chr4	FGFR3	NM_000142	intron 2	c.109+1441_109+1565	p.?	Y (5%)	Y
OCP1_FGFR3_3	chr4	FGFR3	NM_000142	intron 2	c.109+1899_109+1982	p.?		
OCP1_FGFR3_5	chr4	FGFR3	NM_000142	Exon 3	c.238_364	p.80_122		
CHP2_FGFR3_1	chr4	FGFR3	NM_000142	Exon 7	c.740-10_831	p.247_277		
OCP1_FGFR3_8	chr4	FGFR3	NM_000142	intron 9	c.1075+225_1076-165	p.?		
CHP2_FGFR3_2	chr4	FGFR3	NM_000142	Exon 10	c.1101_1206	p.367_402		
CHP2_FGFR3_3	chr4	FGFR3	NM_000142	Exon 15	c.1893_1959+30	p.631_653		
CHP2_FGFR3_4	chr4	FGFR3	NM_000142	Exon 17	c.2070_2157	p.690_719		
OCP1_FGFR3_12	chr4	FGFR3	NM_000142	Exon 19 (3'UTR)	c.*238_*366	p.?		
OCP1_FGFR3_13	chr4	FGFR3	NM_000142	Exon 19 (3'UTR)	c.*459_*574	p.?		

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OCP1_FGFR4_2	chr5	FGFR4	NM_002011	Exon 3	c.92-79_139	p.31_47	Y (5%)	Y
OCP1_FGFR4_4	chr5	FGFR4	NM_002011	Exon 4	c.356-21_436+31	p.119_146		
OCP1_FGFR4_5	chr5	FGFR4	NM_002011	Exon 5	c.482_603+5	p.161_201		
OCP1_FGFR4_8	chr5	FGFR4	NM_002011	intron 7	c.918+1_919-5	p.?		
OCP1_FGFR4_10	chr5	FGFR4	NM_002011	Exon 9_int9_ Exon 10	c.1231_1265	p.411_417_int9_418_422		
OCP1_FGFR4_11	chr5	FGFR4	NM_002011	Exon 10	c.1355_1398-46	p.452_466		
OCP1_FGFR4_13	chr5	FGFR4	NM_002011	Exon 12_int12_ Exon 13	c.1620_1663	p.540_544_int12_p.544_555		
OCP1_FGFR4_16	chr5	FGFR4	NM_002011	Exon 15	c.1945-27_2015+30	p.649_672		
OCP1_FGFR4_17	chr5	FGFR4	NM_002011	Exon 16	c.2016-83_2065	p.672_689		
OCP1_FGFR4_18	chr5	FGFR4	NM_002011	Exon 17	c.2154-34_2248	p.718_750		
Focus_GNA11_1	chr19	GNA11	NM_002067	Exon 4	c.502_605+34	p.168_202	Y (5%)	Y
CHP2_GNA11_1	chr19	GNA11	NM_002067	Exon 5	c.606-40_657	p.202_219	Y (5%)	Y
CHP2_GNAQ_1	chr9	GNAQ	NM_002072	Exon 5	c.616_735+3	p.206_245		
OCP1_GNAQ_1	chr9	GNAQ	NM_002072	Exon 4	c.496_587	p.166_196	Y (5%)	Y
CHP2_HRAS_2	chr11	HRAS	NM_005343	Exon 3	c.126_243	p.42_81	Y (5%)	Y
Focus_HRAS_1	chr11	HRAS	NM_005343	Exon 2	c.-29_76	p.1_26		
CHP2_IDH1_1	chr2	IDH1	NM_005896	Exon 4	c.301_403	p.101_135	Y (5%)	Y
CHP2_IDH2_1	chr15	IDH2	NM_002168	Exon 4	c.399_528	p.133_176	Y (5%)	Y
OCP1_JAK1_1	chr1	JAK1	NM_002227	Exon 16	c.2116-2_2228	p.706_743	Y (5%)	Y
Focus_JAK1_1	chr1	JAK1	NM_002227	Exon 15	c.2054_2115+21	p.685_705		
OCP1_JAK1_2	chr1	JAK1	NM_002227	Exon 14	c.1912_1987+56	p.638_663		
CHP2_JAK2_1	chr9	JAK2	NM_004972	Exon 14	c.1809_1864+72	p.603_622	Y (5%)	Y
OCP1_JAK3_1	chr19	JAK3	NM_000215	Exon 15	c.1920_2045	p.640_682	Y (5%)	Y
Focus_JAK3_1	chr19	JAK3	NM_000215	Exon 12	c.1570_1701+1	p.524_567		
OCP1_JAK3_2	chr19	JAK3	NM_000215	Exon 11	c.1450_1523	p.484_508		
OCP1_KIT_1	chr4	KIT	NM_000222	intron 1	c.67+4869_67+4969	p.?	Y (5%)	Y
OCP1_KIT_7	chr4	KIT	NM_000222	intron 4	c.756+246_756+345	p.?		
OCP1_KIT_10	chr4	KIT	NM_000222	intron 5	c.926-228_926-127	p.?		
OCP1_KIT_13	chr4	KIT	NM_000222	Exon 8	c.1232-22_1299	p.411_433		
CHP2_KIT_2	chr4	KIT	NM_000222	Exon 9	c.1482_1540+30	p.494_514		
CHP2_KIT_3	chr4	KIT	NM_000222	Exon 10	c.1575_1647+23	p.525_549		
CHP2_KIT_4	chr4	KIT	NM_000222	Exon 11	c.1648-6_1761	p.550_587		
CHP2_KIT_5	chr4	KIT	NM_000222	Exon 13	c.1880-6_1982	p.627_661		
OCP1_KIT_20	chr4	KIT	NM_000222	intron 16	c.2362-387_2362-279	p.?		
Focus_KIT_1	chr4	KIT	NM_000222	Exon 17	c.2372_2484+4	p.791_828		

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OCP1_KRAS_1	chr12	KRAS	NM_033360	intron 5	c.*5-2018_*5-1916	p.?	Y (1%)	Y
CHP2_KRAS_3	chr12	KRAS	NM_033360	Exon 4	c.340_448	p.114_150		
CHP2_KRAS_2	chr12	KRAS	NM_033360	Exon 3	c.112-18_197	p.38_66		
OCP1_KRAS_4	chr12	KRAS	NM_033360	intron 2	c.112-5782_112-5671	p.?		
OCP1_KRAS_5	chr12	KRAS	NM_033360	intron 2	c.112-6675_112-6571	p.?		
OCP1_KRAS_6	chr12	KRAS	NM_033360	intron 2	c.112-6936_112-6833	p.?		
OCP1_KRAS_7	chr12	KRAS	NM_033360	intron 2	c.112-8877_112-8792	p.?		
OCP1_KRAS_8	chr12	KRAS	NM_033360	intron 2	c.111+6957_111+7067	p.?		
CHP2_KRAS_1	chr12	KRAS	NM_033360	Exon 2	c.15_111+21	p.5_37		
OCP1_KRAS_10	chr12	KRAS	NM_033360	intron 1	c.-11-1945_-11-1833	p.?		
ON_MAP2K1_1	chr15	MAP2K1	NM_002755	Exon 2	c.130_245	p.44_82	Y (1%)	Y
OCP1_MAP2K1_1	chr15	MAP2K1	NM_002755	Exon 3	c.316_434	p.106_145		
OCP1_MAP2K1_2	chr15	MAP2K1	NM_002755	Exon 6	c.569-10_675	p.190_225		
OCP1_MAP2K2_1	chr19	MAP2K2	NM_030662	Exon 2	c.93-18_202	p.31_68	Y (5%)	Y
OCP1_MED12_1	chrX	MED12	NM_005120	Exon 2	c.100-106_118	p.34_40		Y
OCP1_MED12_3	chrX	MED12	NM_005120	Exon 26	c.3598_3680	p.1200_1227		
OCP1_MET_1	chr7	MET	NM_000245	intron 1	c.-15+849_-15+952	p.?	Y (1%)	Y
OCP1_MET_5	chr7	MET	NM_000245	Exon 2	c.195_308	p.65_103		
OCP1_MET_8	chr7	MET	NM_000245	Exon 2	c.1076_1173	p.359_391		
OCP1_MET_13	chr7	MET	NM_000245	intron 9	c.2264+82_2264+152	p.?		
CHP2_MET_3	chr7	MET	NM_000245	Exon 11	c.2393_2512	p.798_838		
Focus_MET_1	chr7	MET	NM_000245	Exon 14	c.2942_3028+30	p.981_1010		
OCP1_MET_16	chr7	MET	NM_000245	Exon 15	c.3187_3259+40	p.1063_1087		
CHP2_MET_5	chr7	MET	NM_000245	Exon 16	c.3260-15_3340+19	p.1087_1114		
CHP2_MET_6	chr7	MET	NM_000245	Exon 19	c.3683_3767	p.1228_1256		
OCP1_MET_19	chr7	MET	NM_000245	intron 19	c.3799-1253_3799-1144	p.?		
Focus_MTOR_1	chr1	MTOR	NM_004958	Exon 53	c.7180_7300+2	p.2394_2434	Y (5%)	Y
Focus_MTOR_2	chr1	MTOR	NM_004958	Exon 47	c.6559_6662+13	p.2178_2221		
Focus_MTOR_3	chr1	MTOR	NM_004958	Exon 43	c.5995_6033+55	p.1999_2011		
Focus_MTOR_4	chr1	MTOR	NM_004958	Exon 43	c.5911-99_5937	p.1971_1979		
OCP1_MTOR_2	chr1	MTOR	NM_004958	Exon 40	c.5614-6_5714+22	p.1872_1905		
OCP1_MTOR_3	chr1	MTOR	NM_004958	Exon 39	c.5365-64_5432	p.1789_1811		
OCP1_MTOR_4	chr1	MTOR	NM_004958	Exon 30	c.4367_4469+5	p.1456_1490		

Illumina Focus Panel: DNA Amplicon Coverage

Amplicon	Chromosome	Gene	Transcript	Region	Nucleotides	Codons	SNVs/indels (VAF cutoff)	CNVs
OCP1_MYC_1	chr8	MYC	NM_002467	Intron 1	c.30+16_30+112	p.?	Y (5%)	Y
OCP1_MYC_2	chr8	MYC	NM_002467	Intron 1	c.30+283_30+379	p.?		
OCP1_MYC_3	chr8	MYC	NM_002467	Intron 1	c.31-212_31-128	p.?		
OCP1_MYC_4	chr8	MYC	NM_002467	Exon 2	c.31-26_87	p.11_29		
OCP1_MYC_5	chr8	MYC	NM_002467	Exon 2	c.207_287	p.69_96		
OCP1_MYC_6	chr8	MYC	NM_002467	Exon 2	c.339_418	p.113_140		
OCP1_MYC_7	chr8	MYC	NM_002467	intron 2	c.803-612_803-537	p.?		
OCP1_MYC_8	chr8	MYC	NM_002467	Exon 3	c.803-90_822	p.268_274		
OCP1_MYC_10	chr8	MYC	NM_002467	Exon 3	c.1071_1185	p.357_395		
OCP1_MYC_11	chr8	MYC	NM_002467	Exon 3	c.1308_*57	p.436_455		
OCP1_MYCN_1	chr2	MYCN	NM_005378	Exon 1 (5'UTR)	c.-320_-223	p.?		
OCP1_MYCN_2	chr2	MYCN	NM_005378	Exon 1 (5'UTR)	c.-133_-118+75	p.?		
OCP1_MYCN_6	chr2	MYCN	NM_005378	intron 2	c.790+297_790+401	p.?		
OCP1_MYCN_8	chr2	MYCN	NM_005378	intron 2	c.790+918_790+1020	p.?		
OCP1_MYCN_9	chr2	MYCN	NM_005378	intron 2	c.790+1056_790+1176	p.?		
OCP1_MYCN_10	chr2	MYCN	NM_005378	intron 2	c.790+1302_791-1251	p.?		
OCP1_MYCN_12	chr2	MYCN	NM_005378	intron 2	c.791-929_791-830	p.?		
OCP1_MYCN_13	chr2	MYCN	NM_005378	intron 2	c.791-715_791-604	p.?		
OCP1_MYCN_14	chr2	MYCN	NM_005378	intron 2	c.791-132_791-48	p.?		
OCP1_MYCN_19	chr2	MYCN	NM_005378	Exon 3 (3'UTR)	c.*346_*414	p.?		
OCP1_NF1_1	chr17	NF1	NM_001042492	Exon 1	c.-95_39	p.1_13		Y
OCP1_NF1_49	chr17	NF1	NM_001042492	Exon 22	c.2917_2990+18	p.973_997		
OCP1_NF1_89	chr17	NF1	NM_001042492	Exon 39	c.5610-78_5625	p.1870_1875		
OCP1_NF1_130	chr17	NF1	NM_001042492	Exon 55	c.7971-88_8000	p.2657_2667		
OCP1_NRAS_1	chr1	NRAS	NM_002524	Exon 4	c.335_449	p.112_150	Y (1%)	Y
CHP2_NRAS_2	chr1	NRAS	NM_002524	Exon 3	c.127_206	p.43_69		
CHP2_NRAS_1	chr1	NRAS	NM_002524	Exon 2	c.8_92	p.3_31		
OCP1_PDGFR_A_2	chr4	PDGFRA	NM_006206	intron 1	c.-13+2133_-13+2258	p.?	Y (5%)	Y
OCP1_PDGFR_A_4	chr4	PDGFRA	NM_006206	intron 1	c.-13+8704_-13+8815	p.?		
OCP1_PDGFR_A_6	chr4	PDGFRA	NM_006206	intron 1	c.-12-3406_-12-3295	p.?		
OCP1_PDGFR_A_7	chr4	PDGFRA	NM_006206	intron 1	c.-12-1228_-12-1111	p.?		
OCP1_PDGFR_A_10	chr4	PDGFRA	NM_006206	intron 2	c.50-1098_50-1011	p.?		
OCP1_PDGFR_A_12	chr4	PDGFRA	NM_006206	Exon 7	c.931+32_982	p.311_328		
CHP2_PDGFR_A_1	chr4	PDGFRA	NM_006206	Exon 12	c.1654-26_1749	p.552_583		
CHP2_PDGFR_A_2	chr4	PDGFRA	NM_006206	Exon 14	c.1931_2002+22	p.644_668		
CHP2_PDGFR_A_4	chr4	PDGFRA	NM_006206	Exon 18	c.2457_2562+24	p.819_854		
OCP1_PDGFR_A_18	chr4	PDGFRA	NM_006206	Exon 23 (3'UTR)	c.*424_*509	p.?		

Illumina Focus Panel: DNA Amplicon Coverage

Amplicon	Chromosome	Gene	Transcript	Region	Nucleotides	Codons	SNVs/indels (VAF cutoff)	CNVs
Focus_PIK3CA_1	chr3	PIK3CA	NM_006218	Exon 2	c.70_180	p.24_60	Y (1%)	Y
Focus_PIK3CA_2	chr3	PIK3CA	NM_006218	Exon 2	c.235_340	p.79_114		
CHP2_PIK3CA_3	chr3	PIK3CA	NM_006218	Exon 5	c.947_1052	p.316_351		
OCP1_PIK3CA_18	chr3	PIK3CA	NM_006218	Exon 6	c.1060-38_1134	p.354_378		
Focus_PIK3CA_3	chr3	PIK3CA	NM_006218	Exon 8	c.1252-66_1300	p.418_434		
CHP2_PIK3CA_6	chr3	PIK3CA	NM_006218	Exon 8	c.1348_1404+34	p.450_468		
OCP1_PIK3CA_19	chr3	PIK3CA	NM_006218	Exon 10	c.1595_1664+57	p.532_555		
OCP1_PIK3CA_20	chr3	PIK3CA	NM_006218	Exon 14	c.2074_2187+15	p.692_729		
CHP2_PIK3CA_9	chr3	PIK3CA	NM_006218	Exon 19	c.2694_2771	p.898_924		
CHP2_PIK3CA_10	chr3	PIK3CA	NM_006218	Exon 21	c.3052_3152	p.1018_1051		
Focus_RAF1_1	chr3	RAF1	NM_001354689	Exon 13	c.1279_1385	p.427_462	Y (5%)	Y
OCP1_RAF1_1	chr3	RAF1	NM_001354689	Exon 7	c.735_821	p.245_274	Y (5%)	Y
CHP2_RET_1	chr10	RET	NM_020975	Exon 10	c.1823_1879+59	p.608_627		
CHP2_RET_2	chr10	RET	NM_020975	Exon 11	c.1880-53_1962	p.627_654		
CHP2_RET_3	chr10	RET	NM_020975	Exon 13	c.2285-26_2357	p.762_786		
CHP2_RET_4	chr10	RET	NM_020975	Exon 15	c.2626_2730+36	p.876_910		
CHP2_RET_5	chr10	RET	NM_020975	Exon 16	c.2731-79_2770	p.911_924	Y (5%)	Y
Focus_ROS1_1	chr6	ROS1	NM_002944	Exon 38	c.6006-9_6108	p.2002_2036		
Focus_ROS1_2	chr6	ROS1	NM_002944	Exon 36	c.5824_5940+5	p.1942_1980	Y (5%)	Y
Focus_SMO_1	chr7	SMO	NM_005631	Exon 4	c.790_919	p.264_307		
CHP2_SMO_3	chr7	SMO	NM_005631	Exon 6	c.1174_1255	p.392_419		
Focus_SMO_2	chr7	SMO	NM_005631	Exon 8	c.1358-20_1466+1	p.453_489		
CHP2_SMO_4	chr7	SMO	NM_005631	Exon 9	c.1533_1626	p.511_542		