

Variant List – iPLEX® HS Lung Panel v2

Gene	Nucleotide Change	Amino Acid Change	COSMIC ID	Genomic Mutation ID
BRAF	c.1406G>C	p.G469A	460	COSV56061424
BRAF	c.1406G>T	p.G469V	459	COSV56062352
BRAF	c.1781A>G	p.D594G	467	COSV56065695
BRAF	c.1799T>A	p.V600E	476	COSV56056643
EGFR	c.2125G>A	p.E709K	12988	COSV51767260
EGFR	c.2126A>C	p.E709A	13427	COSV51772956
EGFR	c.2126A>G	p.E709G	13009	COSV51765252
EGFR	c.2126A>T	p.E709V	12371	COSV51766584
EGFR	c.2155G>A	p.G719S	6252	COSV51767289
EGFR	c.2155G>T	p.G719C	6253	COSV51766606
EGFR	c.2156G>A	p.G719D	18425	COSV51779524
EGFR	c.2156G>C	p.G719A	6239	COSV51769339
EGFR	c.2233_2247del(15) AAGGAATTAAGAGAA	p.K745_E749delKELRE	26038	COSV51769442
EGFR	c.2235_2246del12	p.E746_E749delELRE	28517	COSV51769556
EGFR	c.2235_2248>AATTC	p.E746_A750>IP	13550	COSV51817953
EGFR	c.2235_2249del(15) GGAATTAAGAGAAGC	p.E746_A750delELREA	6223	COSV51765119
EGFR	c.2235_2251>AATTC	p.E746_T751>IP	13552	COSV51782151
EGFR	c.2235_2252>AAT	p.E746_T751>I	13551	COSV51850034
EGFR	c.2235_2255>AAT	p.E746_S752>I	12385	COSV51784563
EGFR	c.2236_2250del(15) GAATTAAGAGAAGCA	p.E746_A750delELREA	6225	COSV51765066
EGFR	c.2236_2253del(18) GAATTAAGAGAAGCAACA	p.E746_T751delELREAT	12728	COSV51811139
EGFR	c.2236_2256del21	p.E746_S752delELREATS	133189	COSV51784835
EGFR	c.2236G>A	E746K	NA	NA
EGFR	c.2236G>C	E746Q	NA	NA
EGFR	c.2237_2251del(15) AATTAAGAGAAGCAA/ c.2237_2254del(18) AATTAAGAGAAGCAACAT	p.E746_T751>A/ p.E746_S752>A	12678/ 12367	COSV51769364/ COSV51769704
EGFR	c.2237_2252>T	p.E746_T751>V	12386	COSV51775936
EGFR	c.2237_2253>TTGCT/ c.2237_2253>TTCCT/ c.2237_2257>TCT	p.E746_T751>VA/ p.E746_T751>VP/ p.E746_P753>VS	12416/ 52935/ 18427	COSV51771891/ COSV51826919/ COSV51781339
EGFR	c.2237_2255>T	p.E746_S752>V	12384	COSV51765862
EGFR	c.2238_2248>GC	p.L747_A750>P	12422	COSV51782279
EGFR	c.2238_2252>GCA	p.L747_T751>Q	12419	COSV51863059
EGFR	c.2238_2255del(18) ATTAAGAGAAGCAACATC	p.E746_S752>D	6220	COSV51772418
EGFR	c.2239_2247del(9)TTAAGAGAA	p.L747_E749delLRE	6218	COSV51780076
EGFR	c.2239_2248TTAAGAGAAG>C	p.L747_A750>P	12382	COSV51765099

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EGFR	c.2239_2251TTAAGAGAAGCAA>C/ c.2239_2258>CA	p.L747_T751>P/ p.L747_P753>Q	12383/ 12387	COSV51765856/ COSV51785746
EGFR	c.2239_2256del(18) TTAAGAGAAGCAACATCT/ c.2239_2256>CAA	p.L747_S752delLREATS/ p.L747_S752>Q	6255/ 12403	COSV51767308/ COSV51778874
EGFR	c.2240_2254del(15) TAAGAGAAGCAACAT	p.L747_T751delLREAT	12369	COSV51766247
EGFR	c.2240_2257del18/ 2240_2251del12	p.L747_P753>S/ L747_T751>S	12370/ 6210	COSV51767961/ COSV51768180
EGFR	c.2245G>A	p.E749K	1738010	NA
EGFR	c.2249C>A	p.A750E	3266633	COSV51789392
EGFR	c.2250A>G	p.A750A	1451590	NA
EGFR	c.2252C>T	p.T751I	13185	COSV51773111
EGFR	c.2255C>T	p.S752F	4170219	COSV51823614
EGFR	c.2256T>A	p.S752S	NA	NA
EGFR	c.2256T>G	p.S752S	NA	NA
EGFR	c.2296A>G	p.M766V	1451594	NA
EGFR	c.2303G>A	p.S768N	12989	COSV51821681
EGFR	c.2303G>C	p.S768T	291998	COSV51833841
EGFR	c.2303G>T	p.S768I	6241	COSV51768106
EGFR	c.2307_2308ins(9)GCCAGCGTG/ c.2308_2309ins(9)CCAGCGTGG	p.V769_D770insASV	26352/12426	NA
EGFR	c.2308_2309insGTT	p.D770>GY	12427	COSV51807227
EGFR	c.2308G>A	p.D770N	14068	COSV51803771
EGFR	c.2308G>C	p.D770H	NA	NA
EGFR	c.2308G>T	p.D770Y	NA	NA
EGFR	c.2309_2310AC>CCAGCGTGGAT	p.V769_D770insASV	13558	COSV51775806
EGFR	c.2309A>C	p.D770A	NA	NA
EGFR	c.2309A>G	p.D770G	NA	NA
EGFR	c.2310_2311insGGT	p.D770_N771insG	12378	COSV51769298
EGFR	c.2311_2312ins(9)GCGTGGACA	p.D770_N771insSVD	18490	NA
EGFR	c.2319_2320ins(9)aacccccac	p.H773_V774insNPH	18491	NA
EGFR	c.2319_2320insCAC	p.H773_V774insH	12377	NA
EGFR	c.2320G>A	p.V774M	13006	COSV51777313
EGFR	c.2369C>T	p.T790M	6240	COSV51765492
EGFR	c.2389T>A	p.C797S	6493937	COSV51766493
EGFR	c.2390G>C	p.C797S	5945664	COSV51766509
EGFR	c.2573T>G	p.L858R	6224	COSV51765161
EGFR	c.2582T>A	p.L861Q	6213	COSV51766344
EGFR	c.2582T>G	p.L861R	12374	COSV51766618
ERBB2	c.2324_2325ins(12) ATACGTGATGGC	p.A775_G776insYVMA	20959	NA

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ERBB2	c.2325_2326ins(12) TACGTGATGGCT	p.A775_G776insYVMA	133608	NA
ERBB2	c.2326_2327ins(3)TGT/ c.2326_2327ins(3)TTT	p.G776>VC	12553/12552	COSV54064203/ COSV54064477
ERBB2	c.G2326>TTGT	p.G776>LC	19875	COSV54062237
KRAS	c.181C>A	p.Q61K	549	COSV55502066
KRAS	c.181C>G	p.Q61E	550	COSV55502677
KRAS	c.182A>C	p.Q61P	551	COSV55508574
KRAS	c.182A>G	p.Q61R	552	COSV55498739
KRAS	c.182A>T	p.Q61L	553	COSV55504296
KRAS	c.183A>C	p.Q61H	554	COSV55498802
KRAS	c.183A>T	p.Q61H	555	COSV55499223
KRAS	c.34G>A	p.G12S	517	COSV55497461
KRAS	c.34G>C	p.G12R	518	COSV55497582
KRAS	c.34G>T	p.G12C	516	COSV55497469
KRAS	c.35G>A	p.G12D	521	COSV55497369
KRAS	c.35G>C	p.G12A	522	COSV55497479
KRAS	c.35G>T	p.G12V	520	COSV55497419
KRAS	c.37G>T	p.G13C	527	COSV55497378
KRAS	c.38G>A	p.G13D	532	COSV55497388
PIK3CA	c.1624G>A	p.E542K	760	COSV55873227
PIK3CA	c.1633G>A	p.E545K	763	COSV55873239
PIK3CA	c.3140A>G	p.H1047R	775	COSV55873195
PIK3CA	c.3140A>T	p.H1047L	776	COSV55873401

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