

iPLEX UltraSEEK Lung Panel

Origin Agena document number ONC0014 01
 Version 1.0
 Effective Date 2018-09-14
 Author <http://agenabio.com/>

Gene	Mutation		Comments
	Amino Acid Position	Gene Position (CDS)	
BRAF	p.G469V	c.1406G>T	
	p.G469A	c.1406G>C	
	p.D594G	c.1781A>G	
	p.V600E	c.1799T>A	
EGFR	p.L747_T751>S	c.2240_2251del(12)TAAGAGAAGCAA	
	p.L861Q	c.2582T>A	
	p.L747_E749del	c.2239_2247del(9)TTAAGAGAA	
	p.E746_S752>D	c.2238_2255del(18)ATTAAGAGAAGCAACATC	
	p.E746_A750del	c.2235_2249del(15)GGAATTAAGAGAAGC	
	p.L858R	c.2573T>G	
	p.E746_A750del	c.2236_2250del(15)GAATTAAGAGAAGCA	
	p.G719A	c.2156G>C	
	p.T790M	c.2369C>T	
	p.S768I	c.2303G>T	
	p.G719S	c.2155G>A	
	p.G719C	c.2155G>T	
	p.L747_S752del	c.2239_2256del(18)TTAAGAGAAGCAACATCT	
	p.E746_S752>A	c.2237_2254del(18)AATTAAGAGAAGCAACAT	
	p.L747_T751del	c.2240_2254del(15)TAAGAGAAGCAACAT	
	p.L747_P753>S	c.2240_2257del(18)TAAGAGAAGCAACATCTC	
	p.E709V	c.2126A>T	
	p.L861R	c.2582T>G	
	p.V769_D770insASV	c.2307_2308ins(9)GCCAGCGTG	
	p.H773-V774insH	c.2319_2320insCAC	
	p.D770-N771insG	c.2310_2311insGGT	
	p.H773_V774insNPH	c.2319_2320ins(9)AACCCCCAC	
	p.L747_A750>P	c.2239_2248TTAAGAGAAG>C	
	p.L747_T751>P	c.2239_2251TTAAGAGAAGCAA>C	
	p.E746_S752>V	c.2237_2255>T	
	p.E746_T751>V	c.2237_2252>T	
	p.L747_P753>Q	c.2239_2258>CA	
	p.L747_S752>Q	c.2239_2256>CAA	
	p.E746_T751>VA	c.2237_2253>TTGCT	
	p.L747_T751>Q	c.2238_2252>GCA	
	p.L747_A750>P	c.2238_2248>GC	
	p.V769_D770insASV	c.2308_2309ins(9)CCAGCGTGG	
	p.E746_T751>A	c.2237_2251del(15)AATTAAGAGAAGCAA	
	p.E746_T751del	c.2236_2253del(18)GAATTAAGAGAAGCAACA	
	p.E709K	c.2125G>A	
	p.E709G	c.2126A>G	
	p.E709A	c.2126A>C	
	p.D770_N771insSVD	c.2311_2312ins(9)GCGTGGACA	
	p.E746_A750>IP	c.2235_2248>AATTC	
	p.E746_T751>IP	c.2235_2251>AATTC	
	p.V769_D770insASV	c.2309_2310AC>CCAGCGTGGAT	
	p.E746_P753>VS	c.2237_2257>TCT	
	p.N771>TH	c.2311_2312ins(3)CAC	
	p.K745_E749del	c.2233_2247del(15)AAGGAATTAAGAGAA	
	p.E746_E749delELRE	c.2235_2246del(12)GGAATTAAGAGA	
	p.E746_T751>VP	c.2237_2253>TTCCT	
	p.C797S	c.2390G>C	
	p.C797S	c.2389T>A	

iPLEX UltraSEEK Lung Panel

Origin	Agena document number ONC0014 01
Version	1.0
Effective Date	2018-09-14
Author	http://agenabio.com/

Gene	Mutation		Comments
	Amino Acid Position	Gene Position (CDS)	
ERBB2	p.G776>VC	c.2326_2327ins(3)TTT	
	p.G776>VC	c.2326_2327ins(3)TGT	
	p.A775_G776insYVMA	c.2325_2326ins(12)TACGTGATGGCT	
	p.A775_G776insYVMA	c.2324_2325ins(12)ATACGTGATGGC	
KRAS	p.G12C	c.34G>T	
	p.G12S	c.34G>A	
	p.G12R	c.34G>C	
	p.G12V	c.35G>T	
	p.G12D	c.35G>A	
	p.G12A	c.35G>C	
	p.G12Y	c.34_35GG>TA	
	p.G13C	c.37G>T	
	p.G13D	c.38G>A	
	p.Q61K	c.181C>A	
	p.Q61E	c.181C>G	
	p.Q61P	c.182A>C	
	p.Q61R	c.182A>G	
	p.Q61L	c.182A>T	
	p.Q61H	c.183A>C	
	p.Q61H	c.183A>T	
PIK3CA	p.E542K	c.1624G>A	
	p.E545K	c.1633G>A	
	p.H1047R	c.3140A>G	
	p.H1047L	c.3140A>T	