



## Variant List – iPLEX® HS Colon Panel

Gene	Nucleotide Change	Amino Acid Change	COSMIC ID
BRAF	c.1406G>A	p.G469E	461
BRAF	c.1781A>G	p.D594G	467
BRAF	c.1799T>A	p.V600E	476
EGFR	c.1476C>A/G	p.S492R	236670
EGFR	c.1474A>C	p.S492R	236671
KRAS	c.34_35GG>TT	p.G12F	512
KRAS	c.34_35GG>CT	p.G12L	514
KRAS	c.35_36GT>TC	p.G12V	515
KRAS	c.34G>T	p.G12C	516
KRAS	c.34G>A	p.G12S	517
KRAS	c.34G>C	p.G12R	518
KRAS	c.35G>T	p.G12V	520
KRAS	c.35G>A	p.G12D	521
KRAS	c.35G>C	p.G12A	522
KRAS	c.37G>T	p.G13C	527
KRAS	c.37G>A	p.G13S	528
KRAS	c.37G>C	p.G13R	529
KRAS	c.38_39GC>AT	p.G13D	531
KRAS	c.38G>A	p.G13D	532
KRAS	c.38G>C	p.G13A	533
KRAS	c.38G>T	p.G13V	534
KRAS	c.175G>A	p.A59T	546
KRAS	c.176C>A	p.A59E	547
KRAS	c.181C>A	p.Q61K	549
KRAS	c.181C>G	p.Q61E	550
KRAS	c.182A>C	p.Q61P	551
KRAS	c.182A>G	p.Q61R	552
KRAS	c.182A>T	p.Q61L	553
KRAS	c.183A>C	p.Q61H	554
KRAS	c.183A>T	p.Q61H	555
KRAS	c.38_39GC>TT	p.G13V	12721
KRAS	c.35_36GT>AC	p.G12D	14209
KRAS	c.436G>A	p.A146T	19404
KRAS	c.437C>T	p.A146V	19900
KRAS	c.436G>C	p.A146P	19905
KRAS	c.351A>C	p.K117N	19940
KRAS	c.34_35GG>TA	p.G12Y	25081
KRAS	c.176C>G	p.A59G	28518
KRAS	c.351A>T	p.K117N	28519

## Variant List – iPLEX HS Colon Panel (PAGE 2 OF 3)

Gene	Nucleotide Change	Amino Acid Change	COSMIC ID
KRAS	c.35_36GT>AG	p.G12E	30566
KRAS	c.38_39GC>AG	p.G13E	30567
KRAS	c.34_35GG>AT	p.G12I	34144
KRAS	c.38_39GC>AA	p.G13E	87280
KRAS	c.182_183AA>GT	p.Q61R	1168052
KRAS	c.175G>T	p.A59S	1235389
KRAS	c.37_38GG>TT	p.G13F	1685355
KRAS	c.350A>G	p.K117R	4696722
KRAS	c.35_36GT>CA	p.G12A	5413585
KRAS	c.437C>G	p.A146G	NA
NRAS	c.34G>C	p.G12R	561
NRAS	c.34G>T	p.G12C	562
NRAS	c.34G>A	p.G12S	563
NRAS	c.35G>A	p.G12D	564
NRAS	c.35G>C	p.G12A	565
NRAS	c.35G>T	p.G12V	566
NRAS	c.37G>C	p.G13R	569
NRAS	c.37G>T	p.G13C	570
NRAS	c.37G>A	p.G13S	571
NRAS	c.38G>A	p.G13D	573
NRAS	c.38G>T	p.G13V	574
NRAS	c.38G>C	p.G13A	575
NRAS	c.175G>A	p.A59T	578
NRAS	c.181C>A	p.Q61K	580
NRAS	c.181C>G	p.Q61E	581
NRAS	c.182A>C	p.Q61P	582
NRAS	c.182A>T	p.Q61L	583
NRAS	c.182A>G	p.Q61R	584
NRAS	c.183A>T	p.Q61H	585
NRAS	c.183A>C	p.Q61H	586
NRAS	c.436G>A	p.A146T	27174
NRAS	c.437C>T	p.A146V	4170228
NRAS	c.436G>C	p.A146P	4172577
NRAS	c.176C>G	p.A59G	5878737
NRAS	c.349A>G	p.K117E	NA
NRAS	c.350A>G	p.K117R	NA
NRAS	c.351G>C	p.K117N	NA
NRAS	c.351G>T	p.K117N	NA
NRAS	c.436G>T	p.A146S	NA
NRAS	c.437C>G	p.A146G	NA

## Variant List – iPLEX HS Colon Panel (PAGE 3 OF 3)

Gene	Nucleotide Change	Amino Acid Change	COSMIC ID
PIK3CA	c.1624G>A	p.E542K	760
PIK3CA	c.1633G>A	p.E545K	763
PIK3CA	c.3140A>G	p.H1047R	775
PIK3CA	c.3140A>T	p.H1047L	776

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