

Genes	Types of Mutation	Transcript	AA mutation	CDS mutation	No. of samples
PIK3CA	Misense	ENST00000263967.3	p.E545K	c.1633G>A	143
KRAS	Misense	ENST00000256078.8	p.G12D	c.35G>A	56
	Misense		p.G12V	c.35G>T	27
KMT2D	Nonsense	ENST00000301067.11	p.R4904*	c.14710C>T	3
T53	Misense	ENST00000269305.8	p.R273C	c.817C>T	6
	Misense		p.R175H	c.524G>A	5
ARID1A	Misense	ENST00000324856.12	p.P494T	c.1480C>A	11
	Misense		p.V2046E	c.6137T>A	5
EP300	Missense	ENST00000263253.8	p.D1399N	p.D1399N	5
FBXW7	Misense	ENST00000603548.6	p.R465C	c.1393C>T	6
FAT1	Nonsense	ENST00000441802.6	p.R1096Q	c.3287G>A	21\1
ERBB2	Misense	ENST00000269571.9	p.S310F	c.929C>T	18
NOTCH1	Misense	ENST00000277541.7	p.P1405H	c.4214C>A	10
STK11	Whole gene deletion	ENST00000326873.11	p.0	c.1*del	13
CDK12	Misense	ENST00000447079.4	p.L1323F	c.3969G>C	20\2
CASP8	Misense	ENST00000358485.8	p.R491Q	c.1472G>A	19\2
MED12	Misense	ENST00000374080.7	p.D23Y	c.67G>T	24\2
MAPK1	Misense	ENST00000215832.10	p.E322K	c.964G>A	23
ERBB3	Misense	ENST00000267101.7	p.V104M	c.310G>A	21/4
NFE2L2	Misense	ENST00000397062.7	p.E79Q	c.235G>C	27
RB1	Nonsense	ENST00000267163.5	p.S576*	c.1727C>G	31
BAP1	Nonsense	ENST00000460680.5	p.S460*	c.1379C>G	16
LATS1	Misense	ENST00000543571.5	p.Q225E	c.673C>G	13
SMAD4	Misense	ENST00000342988.7	p.R361H	c.1082G>A	26\5
HLA-B	Unknown	ENST00000412585.6	p.?	c.896-1G>C	14
POLE	Misense	ENST00000320574.9	p.E289K	c.865G>A	15
POLQ	Misense	ENST00000264233.5	p.D67H	c.199G>C	13
COL1A1	Misense	ENST00000225964.9	p.E1401K	p.E1401K	8
SIRPA	Coding silent	ENST00000622179.4	p.P129=	c.387C>T	7
STIL	Misense	ENST00000371877.7	p.G229R	c.685G>A	7

TGFBR2	Misense	ENST00000359013.4	p.T555I	c.1664C>T	9
HLA-A	Nonsense	ENST00000396634.5	p.Q120H	c.360G>C	21
FAM155A	Nonsense	ENST00000375915.3	p.E169*	c.505G>T	6