

## Mutations in Calu-3

CALU3_LUNG													
Gene	Protein Change	Chr	Start	End	NCBI Build	Variant Classification	Variant Type	Reference Allele	Tumor Allele 1	dbSNP ID	Annotation Transcript	Other Transcripts	Mutation Assessor
<a href="#">ACACA</a>		17	35766564	35766564	37	5'UTR	Del	A	-		uc002hno.2	ACA_uc002hnn...	
<a href="#">ADAM28</a>		8	24211994	24211997	37	3'UTR	Del	CTAT	-	rs10610134	uc003xdy.2	AM28_uc011laa...	
<a href="#">ADAMTS18</a>	p.C725S	16	77355090	77355090	37	issense_Mutati	SNP	A	T		uc002ffc.3	AMTS18_uc01C	<a href="#">view</a>
<a href="#">AFF3</a>		2	100624064	100624064	37	Intron	SNP	G	A		uc002taf.2	FF3_uc002tag.2	<a href="#">view</a>
<a href="#">AKAP12</a>	p.1531_1532ins	6	151674116	151674117	37	In_Frame_Ins	Ins	-	GAG	rs34737819	uc011eep.1	AP12_uc003qoe...	
<a href="#">AKAP9</a>	p.1335_1336ins	7	91652178	91652179	37	In_Frame_Ins	Ins	-	AAC	rs34756483	uc003ulg.2	AKAP9_uc003ule...	
<a href="#">ALPK2</a>	p.EDTST1006de	18	56204388	56204402	37	In_Frame_Del	Del	CAGTT...	-	rs44017;rs11762	uc002lhj.3	LPK2_uc002lhk...	
<a href="#">ASPH</a>	p.A264_splice	8	62550924	62550925	37	Splice_Site_Ins	Ins	-	A	rs5891816	uc003xuj.2	ASPH_uc011leg.1...	
<a href="#">ASTN1</a>	p.F550V	1	176927569	176927569	37	issense_Mutati	SNP	A	C		uc001glc.2	ASTN1_uc001glb	<a href="#">view</a>
<a href="#">AXL</a>	p.G835V	19	41765628	41765628	37	issense_Mutati	SNP	G	T		uc010ehj.2	P2F1_uc010xwv	<a href="#">view</a>
<a href="#">BRCA1</a>	p.V772A	17	41245233	41245233	37	issense_Mutati	SNP	A	G	rs80357467	uc002ict.2	CA1_uc010whp	<a href="#">view</a>
<a href="#">BTG1</a>		12	92537706	92537707	37	3'UTR	Ins	-	T	rs33983967	uc001tby.3	BTG1_uc001tbv.1...	
<a href="#">CDK11A</a>	p.L531L	1	1635755	1635755	37	Silent	SNP	C	G		uc009vks.2	CDK11B_uc001ag	<a href="#">view</a>
<a href="#">CDK11B</a>		1	1654066	1654068	37	Intron	Del	GCG	-		uc001agv.1	CDK11B_uc001aha...	
<a href="#">CDKN1A</a>	p.R101L	6	36652078	36652078	37	issense_Mutati	SNP	G	T	rs45548832	uc011dtq.1	KN1A_uc003on	<a href="#">view</a>
<a href="#">CLTCL1</a>	p.V1201_splice	22	19189003	19189004	37	Splice_Site_Ins	Ins	-	C	rs11386977	uc002zpb.2	CLTCL1_uc011agv...	
<a href="#">CNTN6</a>		3	1339681	1339686	37	Intron	Del	GTTTT...	-		uc003boz.2	ITN6_uc010hbo...	
<a href="#">COL1A1</a>	p.N324H	17	48273548	48273548	37	issense_Mutati	SNP	T	G		uc002iqm.2		<a href="#">view</a>
<a href="#">CSNK1A1</a>		5	148930660	148930660	37	5'UTR	SNP	G	C	rs11556830	uc003lqw.1	NK1A1_uc011d	<a href="#">view</a>
<a href="#">DDR2</a>		1	162750211	162750212	37	3'UTR	Del	TT	-		uc001gcf.2	DDR2_uc001gcf.2...	
<a href="#">DNAH8</a>		6	38952246	38952247	37	Intron	Ins	-	CA	rs34819199	uc003ooe.1	IAH8_uc003oog...	
<a href="#">EPHA5</a>	p.V712fs	4	66230840	66230840	37	In_Frame_Shift_De	Del	C	-		uc011cah.1	EPHA5_uc003hcx...	
<a href="#">ERG</a>	p.K396T	21	39755599	39755599	37	issense_Mutati	SNP	T	G		uc010gnw.2	ERG_uc002yxa.2	<a href="#">view</a>
<a href="#">FGFR1OP</a>		6	167453519	167453520	37	3'UTR	Ins	-	T	rs115519488	uc003qvj.2	CR6_uc003qvl.2...	
<a href="#">FLI1</a>		11	128638217	128638217	37	Intron	Del	G	-		uc010sbu.1	FLI1_uc010sbt.1...	
<a href="#">GRIA3</a>		X	122318386	122318387	37	Splice_Site_Ins	Ins	-	G	rs66632982	uc004etq.3	GRIA3_uc004etr...	
<a href="#">GUCY2C</a>		12	14827464	14827466	37	Intron	Del	ATC	-	rs1525754;rs3083	uc001rcd.2	GUCY2C_uc009zhz...	
<a href="#">HIF1A</a>		14	62213929	62213930	37	3'UTR	Ins	-	T	rs67890419	uc001xfs.2	HIF1A_uc001xfq...	
<a href="#">HNF1A</a>		12	121434630	121434631	37	Intron	Ins	-	TCATTCAT	rs75100977	uc010szn.1	HNF1A_uc001tze...	
<a href="#">HNRNP1</a>	p.G216S	5	179045215	179045215	37	issense_Mutati	SNP	C	T		uc003mkf.3	RNP1_uc011d	<a href="#">view</a>
<a href="#">ILK</a>		11	6630029	6630029	37	Intron	Del	C	-		uc001mee.2	ILK_uc001mef.2...	
<a href="#">INHBA</a>		7	41729111	41729112	37	3'UTR	Ins	-	T	rs116913029	uc003thq.2	INHBA_uc003thr...	
<a href="#">INSRR</a>		1	156828443	156828443	37	5'UTR	SNP	G	T		uc010pht.1	TRK1_uc001fqf	<a href="#">view</a>

<a href="#">ITPR2</a>	p.R2033Q	12	26634089	26634089	37	issense_Mutati	SNP	C	T		uc001rhg.2	IPR2_uc009zjg.	<a href="#">view</a>
<a href="#">KIAA2022</a>	p.E117Q	X	73964043	73964043	37	issense_Mutati	SNP	C	G		uc004eby.2		<a href="#">view</a>
<a href="#">LNX2</a>	p.Q79E	13	28155606	28155606	37	issense_Mutati	SNP	G	C		uc001url.3	LX2_uc001urm.	<a href="#">view</a>
<a href="#">MAF</a>		16	79628537	79628537	37	Intron	Del	T	-		uc002ffm.2	AF_uc002ffn.2...	
<a href="#">MAML3</a>	p.Q767_splice	4	140651585	140651587	37	Splice_Site_Del	Del	CTG	-		uc003ihz.1	GST2_uc010ioi...	
<a href="#">MAP3K1</a>	p.T949del	5	56177849	56177851	37	In_Frame_Del	Del	CAA	-		uc003jqw.3		
<a href="#">MAP3K14</a>	p.R218_splice	17	43364293	43364294	37	Splice_Site_Ins	Ins	-	G	rs66766023	uc002iiv.1	MAP3K14_uc010da...	
<a href="#">MAPK14</a>		6	36076345	36076354	37	3'UTR	Del	GTGTG...	-	rs80147786	uc003olp.2	MAPK14_uc003olq...	
<a href="#">MASTL</a>		10	27475626	27475626	37	3'UTR	SNP	A	T		uc001itm.2	MASTL_uc001itl.	<a href="#">view</a>
<a href="#">MECOM</a>		3	168862802	168862802	37	Intron	SNP	A	C		uc011bpj.1	MECOM_uc003ffj	<a href="#">view</a>
<a href="#">MMP8</a>	p.S373G	11	102585360	102585360	37	issense_Mutati	SNP	T	C		uc001phe.2	MMP8_uc010rut.	<a href="#">view</a>
<a href="#">MMP9</a>		20	44645042	44645042	37	3'UTR	SNP	C	T		uc002xqz.2		<a href="#">view</a>
<a href="#">MSH6</a>	p.R1334_splice	2	48033792	48033795	37	Splice_Site_Del	Del	TAAC	-		uc002rwd.3	MSH6_uc010fbj.2...	
<a href="#">MYH11</a>	p.H1372H	16	15818525	15818525	37	Silent	SNP	G	A		uc002ddx.2	MYH11_uc002ddv	<a href="#">view</a>
<a href="#">MYST3</a>	p.A1890S	8	41790070	41790070	37	issense_Mutati	SNP	C	A		uc010lxb.2	MYST3_uc010lxc.	<a href="#">view</a>
<a href="#">NCAM1</a>		11	112832307	112832308	37	5'UTR	Ins	-	A	rs117108942	uc009yyq.1	NCAM1_uc001pno...	
<a href="#">NCAM1</a>		11	112832340	112832340	37	5'UTR	Del	C	-		uc009yyq.1	NCAM1_uc001pno...	
<a href="#">NCAPD3</a>	p.H95D	11	134086929	134086929	37	issense_Mutati	SNP	G	C		uc001qhd.1	NCAPD3_uc010scr	<a href="#">view</a>
<a href="#">NCOA2</a>	p.R1240S	8	71039244	71039244	37	issense_Mutati	SNP	C	A		uc003xyn.1	NCOA2_uc011lfb	<a href="#">view</a>
<a href="#">NEK3</a>	p.K313_splice	13	52718050	52718051	37	Splice_Site_Ins	Ins	-	T	rs72514762	uc001vgh.2	NEK3_uc001vvg.2...	
<a href="#">NIN</a>	p.D406G	14	51237612	51237612	37	issense_Mutati	SNP	T	C		uc001wyi.2	NIN_uc001wyj.2_	<a href="#">view</a>
<a href="#">NR1H2</a>	p.176_177insQ	19	50881822	50881823	37	In_Frame_Ins	Ins	-	CAG	l751954;rs1052	uc010enw.2	NR1H2_uc002prv...	
<a href="#">NUP214</a>		9	134067556	134067557	37	Intron	Ins	-	T	rs66652901	uc004cag.2	NUP214_uc004cah...	
<a href="#">OXSR1</a>	p.D102H	3	38240224	38240224	37	issense_Mutati	SNP	G	C		uc003chy.2	OXSR1_uc010hbb	<a href="#">view</a>
<a href="#">PAPPA</a>	p.D962N	9	119033626	119033626	37	issense_Mutati	SNP	G	A		uc004bjn.2	PAPPA_uc011lxp.	<a href="#">view</a>
<a href="#">PAX3</a>		2	223158653	223158653	37	Intron	Del	T	-	rs112753212	uc002vmt.1	PAX3_uc002vmy.1...	
<a href="#">PDK4</a>		7	95221928	95221928	37	Intron	Del	A	-		uc003uoa.2	PDK4_uc003unz.2...	
<a href="#">PML</a>	p.C676Y	15	74336727	74336727	37	issense_Mutati	SNP	G	A		uc002awv.2	PML_uc002awu.2	<a href="#">view</a>
<a href="#">PMS1</a>		2	190670539	190670540	37	Intron	Ins	-	A	rs3214425	uc002urh.3	PMS1_uc010zga.1...	
<a href="#">PRKDC</a>	p.L1244fs	8	48805816	48805817	37	Frame_Shift_In	Ins	-	G	rs67588121	uc003xqi.2	PRKDC_uc003xqj...	
<a href="#">PTPRT</a>	p.C1288F	20	40727101	40727101	37	issense_Mutati	SNP	C	A		uc010ggj.2	PTPRT_uc002xkg	<a href="#">view</a>
<a href="#">RASGRF1</a>		15	79277150	79277151	37	Intron	Ins	-	C	045840;rs7764	uc002beq.2	RASGRF1_uc002be...	
<a href="#">RECQL4</a>	p.R766fs	8	145738768	145738768	37	Frame_Shift_De	Del	G	-		uc003zdj.2		
<a href="#">RPS6KA5</a>		14	91360733	91360734	37	Intron	Ins	-	T	rs77438853	uc001xys.2	RPS6KA5_uc010tw...	
<a href="#">RPS6KL1</a>		14	75373626	75373627	37	3'UTR	Ins	-	TGAT		uc001xqx.1	RPS6KL1_uc001xq...	
<a href="#">RPTOR</a>	p.C1202_splice	17	78934006	78934006	37	Splice_Site_SNP	SNP	G	T		uc002jyt.1	RPTOR_uc010wug	<a href="#">view</a>
<a href="#">SORL1</a>		11	121500393	121500393	37	3'UTR	SNP	C	A	rs76056669	uc001pxx.2	SORL1_uc010rzp.	<a href="#">view</a>
<a href="#">STK31</a>		7	23872024	23872025	37	3'UTR	Ins	-	TTTG	rs66787534	uc003sww.3	STK31_uc003swt...	

<a href="#">TCF21</a>		6	134210497	134210498	37	5'UTR	Ins	-	TCTC	rs35199378	uc003qei.3	CF21_uc003qej...
<a href="#">TGFB2</a>		1	218614750	218614752	37	3'UTR	Del	ATG	-		uc001hln.2	iFB2_uc001hlm...
<a href="#">TGS1</a>		8	56686075	56686075	37	5'UTR	SNP	A	G		uc003xsj.3	LEM68_uc003xs <a href="#">view</a>
<a href="#">TMEM123</a>		11	102269398	102269398	37	3'UTR	Del	G	-		uc001pha.2	LEM123_uc009yx...
<a href="#">TNKS2</a>		10	93622951	93622959	37	3'UTR	Del	GTTTT...	-	rs115539654	uc001khp.2	
<a href="#">TP53</a>	p.M237I	17	7577570	7577570	37	issense_Mutati	SNP	C	A		uc002gim.2	P53_uc002gig.1 <a href="#">view</a>
<a href="#">TTN</a>	p.P18231T	2	179454057	179454057	37	issense_Mutati	SNP	G	T		uc010zfg.1	TN_uc010zfh.1_ <a href="#">view</a>
<a href="#">UBR5</a>	p.A1717T	8	103298654	103298654	37	issense_Mutati	SNP	C	T		uc003ykr.1	BR5_uc003yks.1 <a href="#">view</a>
<a href="#">VEGFC</a>	p.S419_splice	4	177605082	177605084	37	Splice_Site_Del	Del	TCA	-		uc003ius.1	

