

Mutations in MDA-MB-231

MDAMB231_BREAST														
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	
ABCA3	p.D724E	16	2347421	2347421	37	Missense_Mutation	SNP	G	C		uc002cpy.1	BCA3_uc010bsk	view	
ACACA		17	35766564	35766564	37	5'UTR	Del	A	-		uc002hno.2	ACA_uc002hnn....		
ADAM17		2	9630245	9630245	37	3'UTR	Del	T	-		uc002qzu.2	AD17_uc010yiz.1...		
ADAM28		8	24211994	24211997	37	3'UTR	Del	CTAT	-	rs10610134	uc003xdy.2	AM28_uc011laa...		
ADAMTS19	p.E1125K	5	129070703	129070703	37	Missense_Mutation	SNP	G	A		uc003kvb.1	AMTS19_uc010...	view	
AKAP12	p.1531_1532insE	6	151674116	151674117	37	In_Frame_Ins	Ins	-	GAG	rs34737819	uc011eep.1	AP12_uc003qoe...		
AKAP9	p.1335_1336insQ	7	91652178	91652179	37	In_Frame_Ins	Ins	-	AAC	rs34756483	uc003ulg.2	AKAP9_uc003ule....		
ALPK1		4	113347609	113347610	37	Intron	Ins	-	T	rs68137453	uc003iap.3	ALPK1_uc003ian....		
ALPK2	p.C1858Y	18	56191223	56191223	37	Missense_Mutation	SNP	C	T		uc002lhj.3		view	
ALPK2	p.EDTST1006del	18	56204388	56204402	37	In_Frame_Del	Del	CAGTT...	-	rs644017;rs117623	uc002lhj.3	ALPK2_uc002lhk....		
ASPH	p.A264_splice	8	62550924	62550925	37	Splice_Site_Ins	Ins	-	A	rs5891816	uc003xuj.2	ASPH_uc011leg.1...		
ATP11A	p.D752H	13	113510235	113510235	37	Missense_Mutation	SNP	G	C		uc001vsj.3	ATP11A_uc001vs	view	
BAI3	p.R624I	6	69703796	69703796	37	Missense_Mutation	SNP	G	T		uc003pev.3	BAI3_uc010kak.2	view	
BRAF	p.G464V	7	140481417	140481417	37	Missense_Mutation	SNP	C	A		uc003vwc.3		view	
CACNB2		10	18828721	18828722	37	3'UTR	Ins	-	AA	rs3841459	uc001ipr.2	CACNB2_uc009xjz...		
CAD		2	27466471	27466471	37	3'UTR	SNP	A	T		uc002rji.2	D_uc010eyw.2	view	
CASP6	p.T105I	4	110615850	110615850	37	Missense_Mutation	SNP	G	A		uc003hzn.1	CASP6_uc003hzo	view	
CDC42BPA	p.G1483A	1	227211026	227211026	37	Missense_Mutation	SNP	C	G		uc001hqr.2	CDC42BPA_uc001	view	
CDH2	p.V549M	18	25568584	25568584	37	Missense_Mutation	SNP	C	T		uc002kwg.2	CDH2_uc010xbn.	view	
CDK11B		1	1654066	1654068	37	Intron	Del	GCG	-		uc001agv.1	K11B_uc001aha...		
CLTCL1	p.V1201_splice	22	19189003	19189004	37	Splice_Site_Ins	Ins	-	C	rs11386977	uc002zpb.2	CLTCL1_uc011agv...		
CLTCL1	p.D1485N	22	19175222	19175222	37	Missense_Mutation	SNP	C	T		uc002zpb.2	CLTCL1_uc011agv	view	
CNTN6		3	1339681	1339686	37	Intron	Del	GTTTT...	-		uc003boz.2	CNTN6_uc010hbo....		
DACH1		13	72014625	72014626	37	3'UTR	Ins	-	T	rs117109529	uc010thn.1	DACH1_uc010tho....		
DYRK2	p.V224F	12	68051357	68051357	37	Missense_Mutation	SNP	G	T		uc001str.3	DYRK2_uc001sts	view	
EIF4EBP1		8	37917561	37917561	37	3'UTR	SNP	C	T		uc003xks.2		view	
EPHA6		3	97367230	97367231	37	Intron	Ins	-	A	rs115253553	uc010how.1	EPHA6_uc003drs....		
ETV1		7	14028708	14028708	37	5'UTR	Del	A	-	rs77190713	uc011jxq.1	ETV1_uc011jxn.1...		
FBXO43	p.L306P	8	101153565	101153565	37	Missense_Mutation	SNP	A	G		uc003yjd.2	FBXO43_uc003yjd	view	
FGFR1OP		6	167453519	167453520	37	3'UTR	Ins	-	T	rs115519488	uc003qvj.2	FGFR1OP_uc003qvj.2...		
FLI1		11	128638217	128638217	37	Intron	Del	G	-		uc010sbu.1	FLI1_uc010sbt.1...		
GRIA3		X	122318386	122318387	37	Splice_Site_Ins	Ins	-	G	rs66632982	uc004etq.3	GRIA3_uc004etr....		
GRK6		5	176868973	176868973	37	3'UTR	SNP	G	T		uc011dfz.1		view	
GUCY2C		12	14827464	14827466	37	Intron	Del	ATC	-	72525754;rs30838	uc001rcd.2	GUCY2C_uc009zhz...		
HIF1A		14	62213929	62213930	37	3'UTR	Ins	-	T	rs67890419	uc001xfs.2	HIF1A_uc001xfq....		
HMMR	p.A664fs	5	162917425	162917426	37	Frame_Shift_Ins	Ins	-	A		uc003lzh.2	HMMR_uc003lzf.2...		
ICK		6	52880774	52880774	37	Intron	SNP	T	C		uc003pbh.2	ICK_uc003pbh.2...	view	
ILK		11	6630029	6630029	37	Intron	Del	C	-		uc001mee.2	ILK_uc001mef.2...		
ITPR2	p.R470_splice	12	26834804	26834805	37	Splice_Site_Ins	Ins	-	ACTC	6696203;rs591993	uc001rhg.2			

KLK7		19	51480672	51480675	37	3'UTR	Del	GGTT	-	uc002puo.2	K7_uc002pup.2...
KRAS	p.G13D	12	25398281	25398281	37	Missense_Mutation	SNP	C	T	rs112445441	RAS_uc001rgq.1 view
KSR2	p.N451S	12	117993053	117993053	37	Missense_Mutation	SNP	T	C	uc001two.2	view
LRP1B	p.R191I	2	142004815	142004815	37	Missense_Mutation	SNP	C	A	uc002tvj.1	RP1B_uc010fnl. view
LRRK2	p.I2323S	12	40753186	40753186	37	Missense_Mutation	SNP	T	G	uc001rmg.3	RK2_uc009zjw view
MAF		16	79628537	79628537	37	Intron	Del	T	-	uc002ffm.2	AF_uc002ffn.2...
MAML3	p.Q767_splice	4	140651585	140651587	37	Splice_Site_Del	Del	CTG	-	uc003ihz.1	GST2_uc010ioi....
MAP3K14	p.R218_splice	17	43364293	43364294	37	Splice_Site_Ins	Ins	-	G	rs66766023	AP3K14_uc010da...
MAP3K9	p.S1093N	14	71197176	71197176	37	Missense_Mutation	SNP	C	T	uc001xml.2	AP3K9_uc010tt view
MAPKBP1		15	42111753	42111754	37	Intron	Ins	-	C	rs3034891	APKBP1_uc001zo...
MMP1	p.P371R	11	102662148	102662148	37	Missense_Mutation	SNP	G	C	uc001phi.2	VIP1_uc010ruv. view
MSH3	p.G896R	5	80109433	80109433	37	Missense_Mutation	SNP	G	A	uc003kgz.2	view
MST1R	p.F400L	3	49939843	49939843	37	Missense_Mutation	SNP	G	T	uc003cxy.3	ST1R_uc011bdc view
MYCL1	p.E226K	1	40363463	40363463	37	Missense_Mutation	SNP	C	T	uc001cer.1	YCL1_uc001ces view
NCAM1		11	112832307	112832308	37	5'UTR	Ins	-	A	rs117108942	AM1_uc001pno....
NCAM1		11	112832340	112832340	37	5'UTR	Del	C	-	uc009yyq.1	AM1_uc001pno....
NCAPD3	p.R110L	11	134086883	134086883	37	Missense_Mutation	SNP	C	A	uc001qhd.1	APD3_uc010sci view
NCOA3	p.Q1276del	20	46279837	46279839	37	In_Frame_Del	Del	CAG	-	rs2664555	COA3_uc010ght....
NF1	p.L466fs	17	29541474	29541475	37	Frame_Shift_Ins	Ins	-	C	uc002hgg.2	F1_uc002hge.1...
NF2	p.E231*	22	30057209	30057209	37	Nonsense_Mutation	SNP	G	T	uc003age.3	F2_uc003afy.3 view
NOTCH3	p.T368S	19	15300174	15300174	37	Missense_Mutation	SNP	T	A	uc002nan.2	TCH3_uc002na view
NPM1		5	170837734	170837734	37	3'UTR	Del	T	-	uc011dex.1	M1_uc003mbi.2...
NR1H2	p.176_177insQ	19	50881822	50881823	37	In_Frame_Ins	Ins	-	CAG	rs1751954;rs10525	NR1H2_uc002prv....
PAX3		2	223158653	223158653	37	Intron	Del	T	-	rs112753212	X3_uc002vmy.1...
PCDH15	p.Q1471H	10	55583094	55583094	37	Missense_Mutation	SNP	T	A	uc010qhy.1	DH15_uc010qh view
PCSK7	p.P52R	11	117100406	117100406	37	Missense_Mutation	SNP	G	C	uc001pqr.2	IF214_uc001pq view
PDE4DIP	p.Q1665fs	1	144873963	144873963	37	Frame_Shift_Del	Del	T	-	uc001elw.3	3PF10_uc009wir...
PDE4DIP		1	144931101	144931101	37	Intron	SNP	G	A	uc001elw.3	3PF10_uc009wi view
PDGFRA	p.Y172F	4	55129981	55129981	37	Missense_Mutation	SNP	A	T	uc003han.3	GFRA_uc003ha view
PDGFRA		4	55131002	55131002	37	Intron	Del	A	-	uc003han.3	GFRA_uc003haa...
PER1	p.E189D	17	8053157	8053157	37	Missense_Mutation	SNP	C	A	uc002gkd.2	R1_uc010vuq.1 view
PGR		11	100933598	100933599	37	Intron	Ins	-	AATGA	rs35148438	GR_uc001pgg.2...
PIK3C2G	p.P129del	12	18435399	18435401	37	In_Frame_Del	Del	CCC	-	uc010sib.1	K3C2G_uc001rd...
PMS1		2	190670539	190670540	37	Intron	Ins	-	A	rs3214425	AS1_uc010zga.1...
PRKDC	p.L1244fs	8	48805816	48805817	37	Frame_Shift_Ins	Ins	-	G	rs67588121	RKDC_uc003xqj....
RBL1	p.P246L	20	35695236	35695236	37	Missense_Mutation	SNP	G	A	uc002xgi.2	BL1_uc010zvt.1 view
RECQL4	p.R766fs	8	145738768	145738768	37	Frame_Shift_Del	Del	G	-	uc003zdj.2	view
RPS6KA5		14	91360733	91360734	37	Intron	Ins	-	T	rs77438853	S6KA5_uc010tw...
RPS6KL1		14	75373626	75373627	37	3'UTR	Ins	-	TGAT	uc001xqx.1	S6KL1_uc001xq...
RPS6KL1	p.R522C	14	75373803	75373803	37	Missense_Mutation	SNP	G	A	uc010tux.1	S6KL1_uc001xc view
SACS	p.K3116N	13	23908667	23908667	37	Missense_Mutation	SNP	C	G	uc001uon.2	CS_uc001uo... view
SORL1		11	121500400	121500401	37	3'UTR	Ins	-	A	rs73020651	ORL1_uc010rzp....
STK38	p.I457T	6	36463589	36463589	37	Missense_Mutation	SNP	A	G	uc003omg.2	K38_uc003omh view

TCF21		6	134210497	134210498	37	5'UTR	Ins	-	TCTC	rs35199378	uc003qei.3	CF21_uc003qej....
TEC		4	48139307	48139310	37	3'UTR	Del	TTAT	-	rs79098351	uc003gxz.2	
TLK1		2	171850178	171850179	37	3'UTR	Ins	-	AA	rs71008739	uc002ugo.2	K1_uc002ugn.2...
TIN1	p.Q1793L	9	35706092	35706092	37	Missense_Mutation	SNP	T	A		uc003zxt.2	
TMEM123		11	102269398	102269398	37	3'UTR	Del	G	-		uc001pha.2	EM123_uc009yx...
TNFRSF1B	p.L140L	1	12251943	12251943	37	Silent	SNP	G	C		uc001att.2	IFRSF1B_uc001...
TP53	p.R280K	17	7577099	7577099	37	Missense_Mutation	SNP	C	T		uc002gim.2	P53_uc002gig.1
TP63		3	189507518	189507519	37	Intron	Ins	-	AGAG	2702062;rs797140	uc003fry.2	P63_uc003frx.2...
TPR	p.D1959Y	1	186296606	186296606	37	Missense_Mutation	SNP	C	A		uc001grv.2	
TRIM37	p.S270_splice	17	57141768	57141769	37	Splice_Site_Ins	Ins	-	A		uc002iwy.3	IM37_uc002iwz...
TRIO	p.L600V	5	14330953	14330953	37	Missense_Mutation	SNP	C	G		uc003jff.2	RIO_uc003jfg.2
TRIO	p.K2789E	5	14502720	14502720	37	Missense_Mutation	SNP	A	G		uc003jff.2	RIO_uc003jfg.2
TTN	p.L9678V	2	179548768	179548768	37	Missense_Mutation	SNP	G	C		uc010zfg.1	N_uc010zfh.1...
TTN	p.D8936H	2	179566767	179566767	37	Missense_Mutation	SNP	C	G		uc010zfg.1	N_uc010zfh.1...
VEGFC	p.S419_splice	4	177605082	177605084	37	Splice_Site_Del	Del	TCA	-		uc003ius.1	
WNK1	p.R561I	12	970240	970240	37	Missense_Mutation	SNP	G	T		uc001qio.3	NK1_uc001qip...
YSK4	p.L639R	2	135744526	135744526	37	Missense_Mutation	SNP	A	C		uc002tue.1	SK4_uc002tuf.1
ZNF423	p.H1010Q	16	49670033	49670033	37	Missense_Mutation	SNP	G	T		uc002efs.2	IF423_uc010vgi