

## Mutations in HEC-59

HEC59_ENDOMETRIUM													
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="#">AAK1</a>	p.S541_542QQ>C	2	69741754	69741756	37	In_Frame_Del	Del	TGT	-	rs55712143	uc002sfp.2	AK1_uc010fdk.2...	
<a href="#">AAK1</a>	p.P461S	2	69746202	69746202	37	missense_Mutati	SNP	G	A		uc002sfp.2	AK1_uc010fdk.2	<a href="#">view</a>
<a href="#">AAK1</a>		2	69870218	69870229	37	5'UTR	Del	TTTTT...	-		uc002sfp.2	AK1_uc010fdk.2...	
<a href="#">ABCA3</a>	p.A1235V	16	2334438	2334438	37	missense_Mutati	SNP	G	A		uc002cpy.1	BCA3_uc010bsk	<a href="#">view</a>
<a href="#">ABCA3</a>	p.L1198P	16	2334890	2334890	37	missense_Mutati	SNP	A	G		uc002cpy.1	BCA3_uc010bsk	<a href="#">view</a>
<a href="#">ABCC3</a>	p.A692S	17	48746722	48746722	37	missense_Mutati	SNP	G	T		uc002isl.2		<a href="#">view</a>
<a href="#">ABCC3</a>	p.D873V	17	48752741	48752741	37	missense_Mutati	SNP	A	T		uc002isl.2		<a href="#">view</a>
<a href="#">ABCC4</a>	p.I194T	13	95862986	95862986	37	missense_Mutati	SNP	A	G		uc001vmd.3	BCA4_uc010afk	<a href="#">view</a>
<a href="#">ABI1</a>	p.P366fs	10	27044652	27044652	37	In_Frame_Shift_De	Del	G	-		uc001isx.2	BI1_uc001ite.2...	
<a href="#">ABL1</a>	p.S183L	9	133730425	133730425	37	missense_Mutati	SNP	C	T		uc004bzb.2	BL1_uc004bzb.2	<a href="#">view</a>
<a href="#">ABL1</a>	p.W495*	9	133755459	133755459	37	missense_Mutati	SNP	G	A		uc004bzb.2	BL1_uc004bzb.2	<a href="#">view</a>
<a href="#">ABL2</a>		1	179076839	179076839	37	3'UTR	SNP	C	T		uc001gmj.3	BL2_uc010pnf.1	<a href="#">view</a>
<a href="#">ABL2</a>	p.G1037R	1	179077293	179077293	37	missense_Mutati	SNP	C	G		uc001gmj.3	BL2_uc010pnf.1	<a href="#">view</a>
<a href="#">ACACA</a>	p.R1051*	17	35591985	35591985	37	missense_Mutati	SNP	G	A		uc002hno.2	ACA_uc002hnhk	<a href="#">view</a>
<a href="#">ACACB</a>	p.R465W	12	109614024	109614024	37	missense_Mutati	SNP	C	T		uc001tob.2	CACB_uc001toc	<a href="#">view</a>
<a href="#">ACACB</a>	p.L809P	12	109631479	109631479	37	missense_Mutati	SNP	T	C		uc001tob.2	CACB_uc001toc	<a href="#">view</a>
<a href="#">ACACB</a>	p.T1396fs	12	109671600	109671600	37	In_Frame_Shift_De	Del	C	-		uc001tob.2	CACB_uc001toc...	
<a href="#">ACVR1B</a>	p.A442V	12	52380667	52380667	37	missense_Mutati	SNP	C	T		uc010snn.1	CVR1B_uc001rz	<a href="#">view</a>
<a href="#">ACVR1B</a>		12	52380736	52380736	37	Intron	Del	T	-		uc010snn.1	CVR1B_uc001rzl...	
<a href="#">ACVR2A</a>	p.K435fs	2	148683686	148683686	37	In_Frame_Shift_De	Del	A	-		uc002twg.2	VR2A_uc010zbn...	
<a href="#">ADAM10</a>		15	58902426	58902426	37	Intron	SNP	T	C		uc002afd.1	AM10_uc010bg	<a href="#">view</a>
<a href="#">ADAM17</a>	p.N410D	2	9650224	9650224	37	missense_Mutati	SNP	T	C		uc002qzu.2	AM17_uc010ew	<a href="#">view</a>
<a href="#">ADAM22</a>	p.R277W	7	87754969	87754969	37	missense_Mutati	SNP	C	T		uc003ujp.1	AM22_uc003uj	<a href="#">view</a>
<a href="#">ADAM28</a>		8	24211994	24211997	37	3'UTR	Del	CTAT	-	rs10610134	uc003xdy.2	AM28_uc011laa...	
<a href="#">ADAM28</a>	p.D403N	8	24188766	24188766	37	missense_Mutati	SNP	G	A		uc003xdy.2	AM28_uc003xd	<a href="#">view</a>
<a href="#">ADAMTS18</a>	p.F1192V	16	77317945	77317945	37	missense_Mutati	SNP	A	C		uc002ffc.3		<a href="#">view</a>
<a href="#">ADAMTS2</a>	p.V581M	5	178566925	178566925	37	missense_Mutati	SNP	C	T		uc003mjw.2		<a href="#">view</a>
<a href="#">ADAMTS2</a>	p.R691H	5	178562923	178562923	37	missense_Mutati	SNP	C	T		uc003mjw.2		<a href="#">view</a>
<a href="#">ADAMTS20</a>	p.R66C	12	43944969	43944969	37	missense_Mutati	SNP	G	A		uc010skx.1		<a href="#">view</a>
<a href="#">ADAMTSL3</a>	p.T321_splice	15	84553851	84553851	37	Splice_Site_SNP	SNP	A	G		uc002bjz.3	AMTSL3_uc010	<a href="#">view</a>
<a href="#">ADAMTSL3</a>	p.T598M	15	84581936	84581936	37	missense_Mutati	SNP	C	T		uc002bjz.3	AMTSL3_uc010	<a href="#">view</a>
<a href="#">ADARB2</a>	p.T655I	10	1230880	1230880	37	missense_Mutati	SNP	G	A		uc009xhq.2	ARB2_uc009xh	<a href="#">view</a>
<a href="#">ADCK1</a>	p.M210V	14	78365488	78365488	37	missense_Mutati	SNP	A	G		uc001xui.2	ACK1_uc010tvo	<a href="#">view</a>

<a href="#">ADRBK1</a>	p.A482T	11	67051373	67051373	37	issense_Mutati	SNP	G	A		uc009yrn.1	RBK1_uc009yrr	<a href="#">view</a>
<a href="#">AIFM3</a>	p.G206D	22	21329002	21329002	37	issense_Mutati	SNP	G	A		uc002ztj.2	IFM3_uc002ztk	<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="#">AKAP4</a>		X	49965661	49965661	37	5'UTR	SNP	C	T		uc004dow.1	AKAP4_uc004dov	<a href="#">view</a>
<a href="#">AKAP9</a>	p.I495M	7	91630716	91630716	37	issense_Mutati	SNP	A	G		uc003ulg.2	AKAP9_uc003ule	<a href="#">view</a>
<a href="#">AKAP9</a>	p.M3743fs	7	91732039	91732039	37	Frame_Shift_De	Del	G	-		uc003ulg.2	KAP9_uc003ulf...	
<a href="#">AKT2</a>	p.G346S	19	40741936	40741936	37	issense_Mutati	SNP	C	T		uc002onf.2	KT2_uc010egs.2	<a href="#">view</a>
<a href="#">ALDH7A1</a>	p.A78T	5	125929057	125929057	37	issense_Mutati	SNP	C	T		uc003ktx.2	DH7A1_uc003k	<a href="#">view</a>
<a href="#">ALK</a>	p.R1192W	2	29443643	29443643	37	issense_Mutati	SNP	G	A		uc002rmy.2	K_uc010ymo.1	<a href="#">view</a>
<a href="#">ALK</a>	p.R1181C	2	29443676	29443676	37	issense_Mutati	SNP	G	A	rs56315533	uc002rmy.2	K_uc010ymo.1	<a href="#">view</a>
<a href="#">ALPK2</a>	p.L191fs	18	56247435	56247436	37	Frame_Shift_In	Ins	-	A		uc002lhj.3		
<a href="#">ALPK3</a>	p.P968fs	15	85400267	85400267	37	Frame_Shift_De	Del	A	-		uc002ble.2		
<a href="#">AMHR2</a>	p.G445G	12	53823976	53823976	37	Silent	SNP	C	T		uc001scx.1	AMHR2_uc009zm	<a href="#">view</a>
<a href="#">AMZ2</a>	p.P77H	17	66246558	66246558	37	issense_Mutati	SNP	C	A		uc002jgs.1	VZ2_uc002jgr.1	<a href="#">view</a>
<a href="#">ANAPC5</a>		12	121766116	121766116	37	Intron	SNP	T	C		uc001uag.2	IAPC5_uc010sz	<a href="#">view</a>
<a href="#">ANGPTL4</a>	p.R183_splice	19	8431204	8431204	37	Splice_Site_SNP	SNP	G	A		uc002mjg.1	IGPTL4_uc002m	<a href="#">view</a>
<a href="#">ANGPTL4</a>	p.E296K	19	8436253	8436253	37	issense_Mutati	SNP	G	A		uc002mjg.1	IGPTL4_uc002m	<a href="#">view</a>
<a href="#">ANGPTL4</a>	p.R384W	19	8438699	8438699	37	issense_Mutati	SNP	C	T		uc002mjg.1	IGPTL4_uc002m	<a href="#">view</a>
<a href="#">ANKK1</a>	p.I191fs	11	113265743	113265743	37	Frame_Shift_De	Del	C	-		uc001pny.2		
<a href="#">APC</a>	p.P2482L	5	112178736	112178736	37	issense_Mutati	SNP	C	T		uc010jby.2	PC_uc011cvt.1	<a href="#">view</a>
<a href="#">AR</a>	p.Q78*	X	66765220	66765220	37	insense_Mutati	SNP	C	T		uc004dwu.1	_uc011mpd.1	<a href="#">view</a>
<a href="#">ARAF</a>	p.R603H	X	47430843	47430843	37	issense_Mutati	SNP	G	A		uc011mlq.1		<a href="#">view</a>
<a href="#">ARFGEF1</a>		8	68087518	68087518	37	3'UTR	Del	T	-		uc003xxl.1	SPP1_uc003xxi...	
<a href="#">ARFGEF1</a>	p.N1756_splice	8	68112749	68112749	37	Splice_Site_SNP	SNP	C	T		uc003xxo.1	ARFGEF1_uc003x	<a href="#">view</a>
<a href="#">ARHGAP29</a>		1	94643144	94643144	37	Intron	Del	T	-		uc001dqj.3	ARHGAP29_uc009w...	
<a href="#">ARHGEF7</a>	p.T106T	13	111857638	111857638	37	Silent	SNP	G	A		uc001vrs.2	ARHGEF7_uc001v	<a href="#">view</a>
<a href="#">ARHGEF7</a>	p.V669I	13	111953841	111953841	37	issense_Mutati	SNP	G	A		uc010tjo.1	ARHGEF7_uc001v	<a href="#">view</a>
<a href="#">ARID1A</a>	p.Q428*	1	27056286	27056286	37	insense_Mutati	SNP	C	T		uc001bmv.1	ID1A_uc001bm	<a href="#">view</a>
<a href="#">ARID1A</a>	p.S1123S	1	27097780	27097780	37	Silent	SNP	C	T		uc001bmv.1	ID1A_uc001bm	<a href="#">view</a>
<a href="#">ARID1A</a>		1	27107264	27107264	37	3'UTR	Del	C	-		uc001bmv.1	ID1A_uc001bmu...	
<a href="#">ATM</a>	p.R493H	11	108121670	108121670	37	issense_Mutati	SNP	G	A		uc001pkb.1	ATM_uc009yxr.1	<a href="#">view</a>
<a href="#">ATP10A</a>	p.G294K	15	25971196	25971197	37	issense_Mutati	DNP	CC	TT		uc010ayu.2		
<a href="#">ATP13A5</a>	p.Y802H	3	193029646	193029646	37	issense_Mutati	SNP	A	G		uc011bsq.1		<a href="#">view</a>
<a href="#">ATR</a>	p.A1947V	3	142215261	142215261	37	issense_Mutati	SNP	G	A		uc003eux.3		<a href="#">view</a>
<a href="#">ATR</a>	p.I774fs	3	142274740	142274740	37	Frame_Shift_De	Del	T	-		uc003eux.3		
<a href="#">AURKC</a>		19	57742494	57742507	37	5'UTR	Del	GGACG...	-	};rs112039303;	uc002qoe.2	ARKC_uc002qoc...	
<a href="#">AXIN2</a>	p.D299N	17	63545699	63545699	37	issense_Mutati	SNP	C	T		uc002jfi.2	AXIN2_uc010den	<a href="#">view</a>
<a href="#">AXL</a>	p.V421I	19	41745195	41745195	37	issense_Mutati	SNP	G	A		uc010ehj.2	P2F1_uc010xvv	<a href="#">view</a>

<a href="#">BAI1</a>	p.Q1002H	8	143602268	143602268	37	issense_Mutati	SNP	G	T	uc003ywm.2	<a href="#">view</a>
<a href="#">BAI1</a>	p.V1283M	8	143623442	143623442	37	issense_Mutati	SNP	G	A	uc003ywm.2	<a href="#">view</a>
<a href="#">BAX</a>	p.M38fs	19	49458971	49458971	37	frame_Shift_De	Del	G	-	uc002plf.1	AX_uc002plg.1_...
<a href="#">BCAR1</a>	p.R301W	16	75271113	75271113	37	issense_Mutati	SNP	G	A	uc010vnb.1	CAR1_uc002fdt
<a href="#">BCAR1</a>	p.A231V	16	75276447	75276447	37	issense_Mutati	SNP	G	A	uc010vnb.1	CAR1_uc010cgu
<a href="#">BCL11A</a>	p.A143T	2	60695927	60695927	37	issense_Mutati	SNP	C	T	uc002sae.1	L11A_uc002sat
<a href="#">BCL11B</a>	p.C833Y	14	99640675	99640675	37	issense_Mutati	SNP	C	T	uc001yga.2	L11B_uc001ygt
<a href="#">BCL11B</a>	p.G50D	14	99724086	99724086	37	issense_Mutati	SNP	C	T	uc001yga.2	L11B_uc001ygt
<a href="#">BCL9</a>	p.P514fs	1	147091501	147091501	37	frame_Shift_De	Del	C	-	uc001epq.2	CL9_uc010ozr.1...
<a href="#">BCR</a>		22	23632777	23632778	37	Intron	Ins	-	T	uc002zww.2	CR_uc002zwx.2_...
<a href="#">BIRC6</a>	p.T580I	2	32640098	32640098	37	issense_Mutati	SNP	C	T	uc010ezu.2	<a href="#">view</a>
<a href="#">BIRC6</a>	p.R3286W	2	32733202	32733202	37	issense_Mutati	SNP	C	T	uc010ezu.2	<a href="#">view</a>
<a href="#">BMPR1A</a>	p.I292R	10	88678935	88678935	37	issense_Mutati	SNP	T	G	uc001kdy.2	<a href="#">view</a>
<a href="#">BMPR1B</a>	p.P435T	4	96073844	96073844	37	issense_Mutati	SNP	C	A	uc003htm.3	APR1B_uc010ill
<a href="#">BMPR2</a>	p.D264V	2	203383714	203383714	37	issense_Mutati	SNP	A	T	uc002uzf.3	MPR2_uc010ftr
<a href="#">BRAF</a>		7	140434295	140434295	37	3'UTR	Del	A	-	uc003vwc.3	
<a href="#">BRD2</a>		6	32948599	32948599	37	3'UTR	Del	C	-	uc010juh.2	RD2_uc003ocn.3...
<a href="#">BRD3</a>	p.W96*	9	136917491	136917491	37	insense_Mutati	SNP	C	T	uc004cew.2	RD3_uc004cex.2
<a href="#">BRD4</a>	p.E460K	19	15367948	15367948	37	issense_Mutati	SNP	C	T	uc002nar.2	RD4_uc002nas.2
<a href="#">BRD4</a>	p.Q245R	19	15376280	15376280	37	issense_Mutati	SNP	T	C	uc002nar.2	RD4_uc002nas.2
<a href="#">BRD4</a>	p.A122V	19	15379774	15379774	37	issense_Mutati	SNP	G	A	uc002nar.2	RD4_uc002nas.2
<a href="#">BRIP1</a>	p.Q645*	17	59857624	59857624	37	insense_Mutati	SNP	G	A	uc002izk.1	RIP1_uc002izl.
<a href="#">BRSK2</a>	p.A599T	11	1475827	1475827	37	issense_Mutati	SNP	G	A	uc001ltm.2	RSK2_uc009ycv.
<a href="#">BRSK2</a>	p.A627T	11	1477650	1477650	37	issense_Mutati	SNP	G	A	uc001ltm.2	RSK2_uc009ycv.
<a href="#">C15ORF55</a>	p.A371P	15	34646682	34646682	37	issense_Mutati	SNP	G	C	uc010ucc.1	l5orf55_uc010u
<a href="#">CABC1</a>	p.A571T	1	227174205	227174205	37	issense_Mutati	SNP	G	A	uc001hqm.1	ABC1_uc001hqn
<a href="#">CACNA1F</a>	p.A1928V	X	49061748	49061748	37	issense_Mutati	SNP	G	A	uc004dnb.2	CNA1F_uc010n
<a href="#">CACNA1F</a>		X	49089799	49089799	37	5'UTR	SNP	G	A	uc004dnb.2	CNA1F_uc010n
<a href="#">CACNB2</a>	p.A139T	10	18787365	18787365	37	issense_Mutati	SNP	G	A	uc001ipr.2	CNB2_uc009xj.

