

Cancer Study	Type	AA Change
G361_SKIN	CCLC (Broad)	*1089Y
TCGA-AN-A0XN	Breast (TCGA pub)	A472_480APAPAPAPA>A
P05-1657	Prostate (Broad/Cornell 2C	P479_479P>PAP
TCGA-IB-7897	Panceas (TCGA)	P479_479P>PAP
TCGA-J7-8537	pRCC (TCGA)	P479_479P>PAP
TCGA-EJ-7784	Prostate (TCGA)	P479_479P>PAP
TCGA-AX-A0J1	Uterine (TCGA pub)	A110T
TCGA-AX-A0J1	Uterine (TCGA)	A110T
ESO-114	Esophagus (Broad)	A120G
TCGA-BR-6452	Stomach (TCGA)	A309V
TCGA-A1-A0SJ	Breast (TCGA pub)	A324V
TCGA-D1-A103	Uterine (TCGA)	A392fs
TCGA-D1-A103	Uterine (TCGA pub)	A392fs
TCGA-D1-A103	Uterine (TCGA pub)	A428V
TCGA-D1-A103	Uterine (TCGA)	A428V
TCGA-B5-A11J	Uterine (TCGA pub)	A497T
TCGA-B5-A11J	Uterine (TCGA)	A497T
TCGA-BR-6452	Stomach (TCGA)	A546V
TCGA-AG-A002	Colorectal (TCGA pub)	A561T
TCGA-AG-A002	Colorectal (TCGA)	A561T
SUDHL10_HAEMATOP...	CCLC (Broad)	A678S
TCGA-B5-A11E	Uterine (TCGA pub)	A773T
TCGA-B5-A11E	Uterine (TCGA)	A773T
TCGA-BR-4184	Stomach (TCGA)	A861V
BR-V-032	Breast (Broad)	A861V
TCGA-AA-3525	Colorectal (TCGA)	A881V
TCGA-AA-3525	Colorectal (TCGA pub)	A881V
SNU1040_LARGE_IN...	CCLC (Broad)	A944V
TCGA-50-5044	Lung adeno (TCGA pub)	C1083Y
TCGA-50-5044	Lung adeno (TCGA)	C1083Y
H070599	Liver (LGGM)	D1048N
NCIH1703_LUNG	CCLC (Broad)	D1078Y
NCIH1930_LUNG	CCLC (Broad)	D564Y
RKO_LARGE_INTEST...	CCLC (Broad)	D569G
TCGA-B5-A0JY	Uterine (TCGA)	D56Y
TCGA-B5-A0JY	Uterine (TCGA pub)	D56Y
TCGA-AN-A046	Breast (TCGA)	D800Y
PD4120a	Breast (Sanger)	D852N
	16929 Lung adeno (TSP)	E1016K
TCGA-BS-A0UV	Uterine (TCGA pub)	E1039K

TCGA-BS-A0UV	Uterine (TCGA)	E1039K
SA214	Breast (BCCRC)	E1067A
TCGA-CN-4723	Head & neck (TCGA pub)	E130K
TCGA-CN-4723	Head & neck (TCGA)	E130K
TCGA-NA-A4R1	Uterine CS (TCGA)	E591fs
TCGA-AN-A046	Breast (TCGA)	E652*
TCGA-B0-5711	ccRCC (TCGA pub)	E722*
TCGA-B0-5711	ccRCC (TCGA)	E722*
TCGA-BP-4326	ccRCC (TCGA)	E726K
TCGA-BP-4326	ccRCC (TCGA pub)	E726K
HCT15_LARGE_INTE...	CCLC (Broad)	E765D
HCT_15	NCI-60	E765D
HRT18_LARGE_INTE...	CCLC (Broad)	E765D
TCGA-BR-8680	Stomach (TCGA)	F810S
JHUEM7_ENDOMETRIUM	CCLC (Broad)	F972L
TCGA-05-4424	Lung adeno (TCGA)	G218V
TCGA-05-4424	Lung adeno (TCGA pub)	G218V
IGROV1_OVARY	CCLC (Broad)	G293D
TCGA-AO-A12B	Breast (TCGA pub)	G363S
MOTN1_HAEMATOPOI...	CCLC (Broad)	G36W
NCIH2126_LUNG	CCLC (Broad)	G40E
TCGA-DU-7300	Glioma (TCGA)	G498V
MM-0521	MM (Broad)	G539D
P05-3852	Prostate (Broad/Cornell 2C)	G566C
TCGA-44-6774	Lung adeno (TCGA pub)	G803C
TCGA-44-6774	Lung adeno (TCGA)	G803C
TCGA-EE-A20H	Melanoma (TCGA)	G851E
MEL-JWCI-WGS-4	Melanoma (Broad)	G92S
TCGA-CG-5721	Stomach (TCGA)	H317Y
TCGA-CJ-5684	ccRCC (TCGA pub)	H691fs
TCGA-CJ-5684	ccRCC (TCGA)	H691fs
TCGA-B5-A0JZ	Uterine (TCGA)	H970N
TCGA-B5-A0JZ	Uterine (TCGA pub)	H970N
MM-0529	MM (Broad)	I149T
TCGA-BG-A0MU	Uterine (TCGA)	I80fs
TCGA-BG-A0MU	Uterine (TCGA pub)	I80fs
OVISE_OVARY	CCLC (Broad)	I902L
GP2D_LARGE_INTES...	CCLC (Broad)	I902N
ESO-0013	Esophagus (Broad)	K665R
H050227	Liver (LGGM)	K702M
BEN_LUNG	CCLC (Broad)	L625V

TCGA-B5-A11E	Uterine (TCGA)	L693M
TCGA-B5-A11E	Uterine (TCGA pub)	L693M
HSC3_UPPER_AEROD...	CCLC (Broad)	L699V
LOUNH91_LUNG	CCLC (Broad)	L77fs
TCGA-B5-A11E	Uterine (TCGA)	L841F
TCGA-B5-A11E	Uterine (TCGA pub)	L841F
TCGA-AA-3555	Colorectal (TCGA)	L903I
TCGA-AA-3555	Colorectal (TCGA pub)	L903I
KM12_LARGE_INTES...	CCLC (Broad)	L914fs
TCGA-AP-A059	Uterine (TCGA)	L967M
TCGA-AP-A059	Uterine (TCGA pub)	L967M
TCGA-BR-4361	Stomach (TCGA)	N725S
TCGA-FW-A3R5	Melanoma (TCGA)	P166S
TCGA-D6-6516	Head & neck (TCGA)	P190S
TCGA-D6-6516	Head & neck (TCGA pub)	P190S
	587284 Colorectal (Genentech)	P208L
TCGA-BR-4368	Stomach (TCGA)	P210S
MEL-Ma-Mel-114	Melanoma (Broad)	P305L
LOVO_LARGE_INTES...	CCLC (Broad)	P516L
TCGA-18-3409	Lung squ (TCGA)	P516L
TCGA-18-3409	Lung squ (TCGA pub)	P516L
DOHH2_HAEMATOPOI...	CCLC (Broad)	P551L
TCGA-EE-A29L	Melanoma (TCGA)	P577L
TCGA-36-1568	Ovarian (TCGA pub)	P72L
TCGA-64-5775	Lung adeno (TCGA)	P996L
TCGA-64-5775	Lung adeno (TCGA pub)	P996L
LUAD-5V8LT	Lung adeno (Broad)	Q105P
RT11284_URINARY_...	CCLC (Broad)	Q1079E
TCGA-CG-5721	Stomach (TCGA)	Q345*
TCGA-55-1594	Lung adeno (TCGA)	Q643E
TCGA-55-1594	Lung adeno (TCGA pub)	Q643E
DMS153_LUNG	CCLC (Broad)	Q74R
TCGA-IB-7651	Panceas (TCGA)	R1043*
TCGA-D1-A17Q	Uterine (TCGA pub)	R1054*
TCGA-D1-A17Q	Uterine (TCGA)	R1054*
MUTZ5_HAEMATOPOI...	CCLC (Broad)	R1054Q
SNU175_LARGE_INT...	CCLC (Broad)	R18*
NCIH889_LUNG	CCLC (Broad)	R271H
	587342 Colorectal (Genentech)	R391H
	587278 Colorectal (Genentech)	R415W

HPBALL_HAEMATOPO...	CCLC (Broad)	R525C
SNU175_LARGE_INT...	CCLC (Broad)	R525C
SNU1_STOMACH	CCLC (Broad)	R525C
TCGA-BT-A20J	Bladder (TCGA)	R525C
TCGA-BT-A20J	Bladder (TCGA pub)	R525C
TCGA-BT-A0YX	Bladder (TCGA pub)	R558H
TCGA-B5-A11E	Uterine (TCGA pub)	R558H
TCGA-A5-A0VQ	Uterine (TCGA)	R581C
TCGA-A5-A0VQ	Uterine (TCGA pub)	R581C
TCGA-FG-A60J	Glioma (TCGA)	R593C
TCGA-EE-A3JE	Melanoma (TCGA)	R623W
TCGA-05-4396	Lung adeno (TCGA)	R645L
KS1_CENTRAL_NERV...	CCLC (Broad)	R759W
HCT_15	NCI-60	R769W
HCT15_LARGE_INTE...	CCLC (Broad)	R769W
HRT18_LARGE_INTE...	CCLC (Broad)	R769W
TCGA-KN-8427	chRCC (TCGA)	R790Q
CCK81_LARGE_INTE...	CCLC (Broad)	R817G
TCGA-FP-7735	Stomach (TCGA)	R832G
H091794	Liver (LGGM)	R849L
H090284	Liver (LGGM)	R983L
TCGA-66-2787	Lung squ (TCGA pub)	R983L
TCGA-AN-A046	Breast (TCGA)	S179L
TCGA-AG-A002	Colorectal (TCGA)	S33L
TCGA-AG-A002	Colorectal (TCGA pub)	S33L
ME033	Melanoma (Broad)	S366F
TCGA-46-3769	Lung squ (TCGA)	S528L
TCGA-46-3769	Lung squ (TCGA pub)	S528L
TCGA-CW-5589	ccRCC (TCGA pub)	S596R
TCGA-CW-5589	ccRCC (TCGA)	S596R
AN3CA_ENDOMETRIUM	CCLC (Broad)	S872L
TCGA-AP-A056	Uterine (TCGA pub)	S91L
TCGA-AP-A056	Uterine (TCGA)	S91L
HCT15_LARGE_INTE...	CCLC (Broad)	T1041I
HCT_15	NCI-60	T1041I
TCGA-A2-A0T5	Breast (TCGA)	T1041P
TCGA-AP-A0LM	Uterine (TCGA pub)	T168M
TCGA-AP-A0LM	Uterine (TCGA)	T168M
TCGA-BR-8372	Stomach (TCGA)	T168M
TCGA-BR-4362	Stomach (TCGA)	T168M
TCGA-FW-A3R5	Melanoma (TCGA)	T673I

SNU81_LARGE_INTE...	CCLC (Broad)	T876N
GP2D_LARGE_INTES...	CCLC (Broad)	V1086A
TCGA-44-7670	Lung adeno (TCGA pub)	V682L
TCGA-HT-8113	Glioma (TCGA)	V729D
SW948_LARGE_INTE...	CCLC (Broad)	W842L
LUAD-YINH	Lung adeno (Broad)	Y183C
SHP77_LUNG	CCLC (Broad)	Y506F
MDAPCA2B_PROSTATE	CCLC (Broad)	Y531H

Cosmic	FIS	Cons	3D	VS	Allele Frequency	#Mut in Sample
Nonstop	diploid		7 U		0.65	47
IF del	gain		U		NA	111
IF ins	diploid		1 U		NA	27
IF ins	diploid		1 U		0.27	206
IF ins	hetloss		1 U		0.31	41
IF ins	gain		1 U		0.5	60
Missense	diploid		1 U	Neutral	0.35	3848
Missense	diploid		1 U	Neutral	0.35	3747
Missense	NA		1 U	Neutral	0.45	335
Missense	diploid		U	Neutral	0.23	6281
Missense	diploid		1 U	Neutral	NA	29
FS del	diploid		7 U		NA	5781
FS del	diploid		7 U		NA	5965
Missense	diploid		1 U	Neutral	0.5	5965
Missense	diploid		1 U	Neutral	0.5	5781
Missense	diploid		1 U	Neutral	0.38	318
Missense	diploid		1 U	Neutral	0.38	309
Missense	diploid		U	Neutral	0.05	6281
Missense	diploid		1 V	Neutral	NA	9896
Missense	diploid		1 U	Neutral	NA	9874
Missense	diploid		U	Neutral	0.43	33
Missense	diploid		1 U	Low	0.42	8210
Missense	diploid		1 U	Low	0.42	7951
Missense	hetloss		U	Low	0.17	3213
Missense	NA		U	Low	NA	21
Missense	diploid		1 U	High	NA	463
Missense	diploid		1 V	High	NA	468
Missense	diploid		U	Low	0.8	1308
Missense	diploid		1 U	Low	0.21	121
Missense	diploid		1 U	Low	NA	151
Missense	diploid		U	Medium	0.25	63
Missense	diploid		1 U	Low	0.98	71
Missense	gain		U	Neutral	0.42	114
Missense	diploid		U	Low	0.49	379
Missense	diploid		1 U	Medium	0.37	8620
Missense	diploid		1 U	Medium	0.37	8890
Missense	hetloss		U	Medium	NA	4185
Missense	NA		1 U	Neutral	NA	451
Missense	NA		1 U	Low	NA	8
Missense	diploid		1 U	Medium	0.32	7801

Missense	diploid	1	U	Medium		0.32	7553
Missense	NA	1	U	Low	NA		193
Missense	hetloss		U	Neutral		0.19	778
Missense	hetloss		U	Neutral		0.19	771
FS del	diploid	7	U			0.46	105
Nonsense	hetloss	7	U		NA		4185
Nonsense	diploid	7	U		NA		33
Nonsense	diploid	7	U		NA		27
Missense	diploid		V	Neutral	NA		49
Missense	diploid		V	Neutral	NA		50
Missense	diploid	1	U	Medium		0.35	741
Missense	AMP	1	U	Medium	NA		4766
Missense	gain	1	U	Medium		0.33	599
Missense	diploid		U	High		0.33	5317
Missense	diploid		U	Medium		0.35	825
Missense	hetloss	1	U	Neutral	NA		733
Missense	hetloss	1	U	Neutral		0.2	698
Missense	diploid		U	Low		1	276
Missense	gain		U	Low	NA		25
Missense	diploid		U	Low		0.47	39
Missense	gain	1	U	Low		0.45	91
Missense	diploid		U	Neutral		0.46	57
Missense	NA		U	Low	NA		107
Missense	diploid	1	U	Neutral		0.02	30
Missense	diploid	1	U	Medium		0.18	277
Missense	diploid	1	U	Medium	NA		311
Missense	gain		U	Low		0.3	484
Missense	NA		U	Neutral	NA		453
Missense	diploid		U	Low		0.5	3370
FS ins	diploid	7	U		NA		51
FS ins	diploid	7	U		NA		40
Missense	diploid	1	U	Medium		0.33	338
Missense	diploid	1	U	Medium		0.33	352
Missense	NA		U	Medium	NA		52
FS del	diploid	7	U		NA		50
FS del	diploid	7	U		NA		52
Missense	hetloss		U	Neutral		0.4	37
Missense	diploid		U	High		0.48	578
Missense	NA	1	U	Medium		0.3	293
Missense	diploid		U	Low		0.44	74
Missense	diploid		U	Neutral		0.71	55

Missense	diploid	1 U	Low		0.11	7951
Missense	diploid	1 U	Low		0.11	8210
Missense	diploid	U	Low		0.1	37
FS del	diploid	7 U			0.92	34
Missense	diploid	1 U	Low		0.39	7951
Missense	diploid	1 U	Low		0.39	8210
Missense	diploid	1 U	Low	NA		731
Missense	diploid	1 V	Low	NA		727
FS del	diploid	7 U			0.39	326
Missense	diploid	1 U	Low		0.21	8938
Missense	diploid	1 U	Low		0.21	9187
Missense	diploid	U	Neutral		0.06	2314
Missense	diploid	U	Neutral		0.32	15124
Missense	diploid	1 U	Neutral		0.11	1445
Missense	diploid	1 U	Neutral		0.11	1463
Missense	NA	1 U	Low	NA		2234
Missense	diploid	U	Neutral		0.19	1028
Missense	NA	U		NA		1991
Missense	diploid	1 U	Low		0.36	269
Missense	diploid	1 U	Low		0.36	2521
Missense	diploid	1 U	Low		0.36	2468
Missense	diploid	U	Neutral		0.53	18
Missense	hetloss	U	Low		0.5	1569
Missense	diploid	1 V	Medium	NA		35
Missense	diploid	1 U	Medium	NA		421
Missense	diploid	1 U	Medium		0.23	414
Missense	diploid	1 U	Neutral	NA		1810
Missense	diploid	U	Low		0.19	30
Nonsense	diploid	7 U			0.19	3370
Missense	hetloss	1 U	Low	NA		186
Missense	hetloss	1 U	Low		0.21	196
Missense	diploid	U	Medium		0.51	39
Nonsense	diploid	7 U			0.14	13534
Nonsense	diploid	7 U			0.24	5141
Nonsense	diploid	7 U			0.24	4994
Missense	diploid	U	Low		0.53	34
Nonsense	diploid	7 U			0.54	600
Missense	gain	U	Low		0.63	36
Missense	NA	1 U	Low	NA		3226
Missense	NA	1 U	Neutral	NA		1569

Missense	diploid		U	Neutral		0.68	157
Missense	diploid		U	Neutral		0.5	600
Missense	diploid		U	Neutral		0.5	216
Missense	gain		U	Neutral		0.15	436
Missense	gain		U	Neutral		0.15	425
Missense	diploid	3	U	Neutral		0.03	573
Missense	diploid	3	U	Neutral		0.5	8210
Missense	diploid	1	U	Low		0.39	279
Missense	diploid	1	U	Low		0.39	289
Missense	hetloss		U	Low		0.15	37
Missense	diploid		U			0.15	232
Missense	diploid		U	Low	NA		9220
Missense	hetloss		U	Medium		1	56
Missense	AMP	1	U	Medium	NA		4766
Missense	diploid	1	U	Medium		0.58	741
Missense	gain	1	U	Medium		0.65	599
Missense	hetloss		U	High	NA		91
Missense	diploid		U	Low		0.15	371
Missense	gain		U	Low		0.26	58
Missense	diploid		U	Neutral		0.07	180
Missense	diploid		U	Medium		0.09	935
Missense	diploid		U	Medium		0.08	617
Missense	hetloss	1	U	Low	NA		4185
Missense	diploid	1	V	Low	NA		9874
Missense	diploid	1	V	Low	NA		9896
Missense	NA		U	Neutral	NA		253
Missense	hetloss	1	U	Low		0.39	752
Missense	hetloss	1	U	Low		0.39	819
Missense	diploid	1	U	Low	NA		63
Missense	diploid	1	U	Low	NA		48
Missense	diploid		U	Medium		0.41	249
Missense	diploid	1	U	Medium		0.26	7226
Missense	diploid	1	U	Medium		0.26	7027
Missense	diploid	1	U	Medium		0.53	741
Missense	AMP	1	U	Medium	NA		4766
Missense	diploid	1	U	Medium	NA		1036
Missense	diploid	1	U	Neutral		0.13	10489
Missense	diploid	1	U	Neutral		0.13	10148
Missense	diploid	1	U	Neutral		0.33	998
Missense	gain	1	U	Neutral		0.22	1351
Missense	diploid		U	Neutral		0.29	15124

Missense	diploid	U	Medium	0.36	912
Missense	diploid	U	Medium	0.53	578
Missense	hetloss	1 U	High	0.49	950
Missense	diploid	U	High	0.07	22
Missense	gain	U	Neutral	0.15	54
Missense	diploid	1 U	Low	NA	2732
Missense	diploid	U		1	75
Missense	diploid	U	Neutral	0.5	226

SIFT

PROVEAN PolyPhen-2 MutationAssessor SNV in dbSNP MAF(Minor Allel Frequency)

Damaging	Neutral	likely/possibly damaging	neutral		
Damaging	Neutral	likely/possibly damaging	neutral		
Damaging	Deleterious	probably damaging	neutral		
Damaging	Neutral	benign	neutral		
Tolerated	Neutral	benign	neutral	A324V C>T	0.348
Damaging	Neutral	benign	neutral		
Damaging	Neutral	benign	neutral		
Tolerated	Neutral	benign	neutral		
Tolerated	Neutral	benign	neutral		
Tolerated	Neutral	benign	neutral		
Tolerated	Neutral	benign	neutral		
Tolerated	Neutral	benign	neutral		
Damaging	Deleterious	probably damaging	neutral		
Damaging	Deleterious	probably damaging	low		
Damaging	Deleterious	probably damaging	low		
Damaging	Deleterious	likely/possibly damaging	low		
Damaging	Deleterious	likely/possibly damaging	low		
Damaging	Deleterious	probably damaging	high		
Damaging	Deleterious	probably damaging	high		
Damaging	Deleterious	possibly damaging	low		
Damaging	Deleterious	benign	low		
Damaging	Deleterious	benign	low		
Damaging	Deleterious	possibly damaging	medium		
Damaging	Neutral	possibly damaging	low		
Damaging	Deleterious	benign	neutral		
Damaging	Deleterious	probably damaging	low		
Damaging	Deleterious	probably damaging	low		
Damaging	Deleterious	probably damaging	low		
Damaging	Deleterious	probably damaging	medium		
Tolerated	Neutral	benign	neutral		
Tolerated	Neutral	benign	low	E1016K 1 G>A	NA
Damaging	Deleterious	probably damaging	medium		

Damaging	Deleterious	probably damaging	medium
Damaging	Neutral	possibly damaging	low
Damaging	Neutral	probably damaging	neutral
Damaging	Neutral	probably damaging	neutral

Damaging	Deleterious	probably damaging	neutral
Damaging	Deleterious	probably damaging	neutral
Damaging	Deleterious	likely/possibly damaging	medium
Damaging	Deleterious	likely/possibly damaging	medium
Damaging	Deleterious	likely/possibly damaging	medium
Damaging	Deleterious	probably damaging	high
Damaging	Deleterious	probably damaging	medium
Tolerated	Deleterious	benign	neutral
Tolerated	Deleterious	benign	neutral
Damaging	Neutral	benign	low
Tolerated	Neutral	benign	low
Damaging	Neutral	probably damaging	low
Damaging	Neutral	probably damaging	low
Damaging	Neutral	benign	neutral
Damaging	Neutral	possibly damaging	low
Tolerated	Neutral	benign	neutral
Damaging	Deleterious	probably damaging	medium
Damaging	Deleterious	probably damaging	medium
Damaging	Deleterious	benign	low
Tolerated	Neutral	possibly damaging	neutral
Damaging	Neutral	probably damaging	low

G363S, C>A

Damaging	Deleterious	probably damaging	medium
Damaging	Deleterious	probably damaging	medium
Damaging	Neutral	probably damaging	medium

Damaging	Neutral	probably damaging	neutral
Damaging	Deleterious	probably damaging	high
Tolerated	Deleterious	likely damaging/benign	medium
Damaging	Deleterious	probably damaging	low
Tolerated	Neutral	benign	neutral

Damaging Neutral probably damaging low
 Damaging Neutral probably damaging low
 Damaging Deleterious probably damaging low

Tolerated Neutral benign low
 Tolerated Neutral benign low
 Damaging Neutral probably damaging low
 Damaging Neutral probably damaging low

L841F, C>T
 L841F, C>T

Damaging Neutral likely/possibly damaging low
 Damaging Neutral likely/possibly damaging low
 Tolerated Deleterious possibly damaging neutral
 Tolerated Neutral benign neutral
 Tolerated Neutral benign neutral
 Tolerated Neutral benign neutral
 Damaging Deleterious benign low
 Tolerated Neutral benign neutral

Damaging Deleterious benign neutral
 Damaging Deleterious probably damaging low
 Damaging Deleterious probably damaging low
 Damaging Deleterious probably damaging low
 Damaging Neutral benign neutral
 Damaging Deleterious probably damaging low
 Damaging Deleterious probably damaging low
 Damaging Deleterious likely/possibly damaging medium
 Damaging Deleterious likely/possibly damaging medium
 Damaging Neutral likely/possibly damaging neutral
 Tolerated Neutral benign low

P551L, C>T,2 NA

Tolerated Neutral benign low
 Tolerated Neutral benign low
 Damaging Neutral probably damaging medium

Q74R,A>G,2 NA

Damaging Neutral benign low
 Damaging Neutral benign low
 Damaging Neutral likely/possibly damaging low
 Damaging Neutral likely damaging/benign neutral

Damaging	Neutral	benign	neutral		
Damaging	Neutral	benign	neutral		
Damaging	Neutral	benign	neutral		
Damaging	Neutral	benign	neutral		
Damaging	Neutral	benign	neutral		
Tolerated	Neutral	benign	neutral		
Tolerated	Neutral	benign	neutral		
Damaging	Deleterious	probably damaging	low		
Damaging	Deleterious	probably damaging	low		
Damaging	Deleterious	probably damaging	low		
Damaging	Deleterious	probably damaging	medium		
Tolerated	Deleterious	possibly damaging	low		
Damaging	Deleterious	probably damaging	medium		
Damaging	Deleterious	probably damaging	medium		
Damaging	Deleterious	probably damaging	medium		
Damaging	Deleterious	probably damaging	medium		
Damaging	Deleterious	probably damaging	high		
Damaging	Deleterious	probably damaging	low		
Damaging	Deleterious	probably damaging	low		
Damaging	Deleterious	possibly damaging	neutral		
Damaging	Deleterious	probably damaging	medium		
Damaging	Deleterious	probably damaging	medium		
Damaging	Neutral	benign	low		
Damaging	Neutral	benign	low	S33L 2 C>T	NA
Damaging	Neutral	benign	low	S33L 2 C>T	NA
Damaging	Neutral	benign	neutral		
Damaging	Neutral	benign	low		
Damaging	Neutral	benign	low		
Damaging	Neutral	possibly damaging	low		
Damaging	Neutral	possibly damaging	low		
Damaging	Deleterious	probably damaging	medium		
Damaging	Neutral	benign	medium	S91L, C>T,2	NA
Damaging	Neutral	benign	medium	S91L, C>T,3	NA
Damaging	Deleterious	probably damaging	medium		
Damaging	Deleterious	probably damaging	medium		
Damaging	Deleterious	probably damaging	medium		
Damaging	Neutral	benign	neutral		
Damaging	Neutral	benign	neutral		
Damaging	Neutral	benign	neutral		
Damaging	Neutral	benign	neutral		
Tolerated	Deleterious	benign	neutral		

Damaging	Deleterious	probably damaging	medium	
Damaging	Deleterious	benign	medium	
Damaging	Deleterious	probably damaging	high	
Damaging	Deleterious	probably damaging	high	
Damaging	Deleterious	benign	neutral	
Damaging	Deleterious	benign	low	
Tolerated	Neutral	benign	neutral	
Tolerated	Neutral	benign	neutral	Y531H, T>C

r) in dbSNP