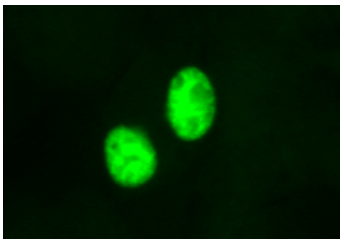
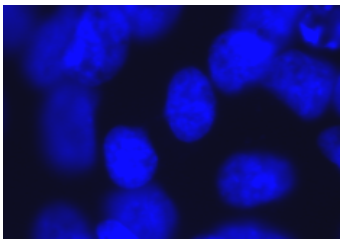
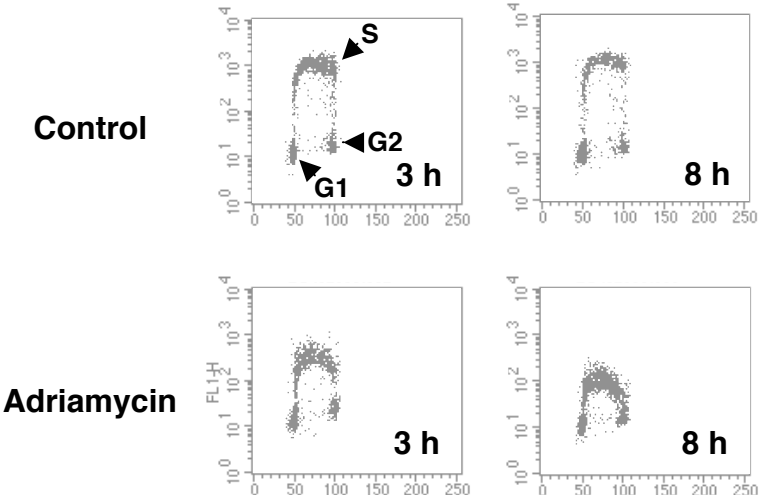
HANDBOOK OF p53 MUTATION IN CELL LINES

Version 1.0 07/2007







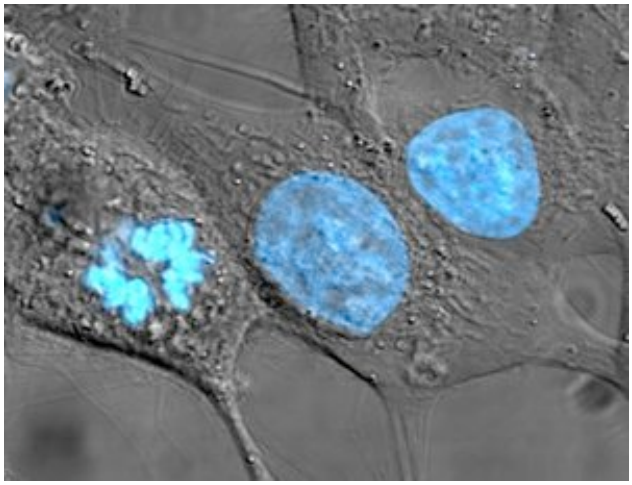


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Table of Contents

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Welcome to version 1.0 of the handbook of p53 mutations in human cancer cell lines

A survey of the literature (1989-2007) reveals discrepancies in the p53 status for 20 to 25% of human cancer cell lines (Berglind et al. manuscript submitted)

This is a very serious problem, as knowledge of p53 status is essential for the design and interpretation of many experiments.
There are many causes for these discrepancies:

- Cell line cross-contamination, which is a very serious problem. A recent estimation suggests that 20% of cell lines are cross-contaminated.

- Incorrect sequencing strategy, as many studies have only focused on exons 5 to 8 (or 4 to 9).

- Mislabelling of cell line names.

We do not believe that some of these discrepancies are due to p53 gene neomutations occurring during cell culture.

This chaotic situation is further complicated by semantic problems associated with the nomenclature of p53 status in cell lines. For example, the “p53-null” status is used in different ways in the literature. The two most common meanings are a cell line with a documented p53 gene deletion (both alleles) or a cell line with a p53 mutation. We have also observed more “unusual” situations in which this status is only based on p53 expression (RNA or protein). Unfortunately, this type of information diffuses rapidly in the literature without any verification of the original publication. This is the case for the anaplastic thyroid carcinoma cell line, FRO, which is frequently referred to as p53-null and is used as a recipient for transfection of wt and mutant p53. The original reference for the analysis of the p53 gene status in this cell line is always correctly quoted, but a closer look at this original paper demonstrates a marked decrease of p53 RNA in the cell but no mutation was detected by sequencing exons 5 to 8. Either a mutation is situated outside this region leading to a decrease of RNA expression (frameshift mutation associated with Nonsense-Mediated mRNA Decay) or the altered p53 expression is due to another mechanism. Whatever the reason for the absence of p53 expression, the FRO cell line should obviously not be called a “p53-null”. Many examples of this type of situation can be found in the literature.
Another reason why “p53-null” should be used cautiously to describe cell lines that express mutant p53 is the observation that p53 mutations are fairly heterogeneous in terms of loss of function and several cell lines display a normal or partial p53 response. Finally, there is now ample evidence that some mutant p53 behave as dominant oncogenes with a gain of function activity.

We therefore believe that the “p53 null” status should be used only for cell lines that are totally devoid of p53 gene. Any other situation should be referred to as “mutant p53”.

This version of the p53 handbook includes the p53 status of 1,300 cell lines. Four tables are presented for each type of cancer:

Table I: cell lines with a wt p53 gene.
Although no genetic alteration is found in the p53 gene of these cell lines, it is possible that other mechanisms may lead to p53 inactivation (mdm-2 amplification for sarcoma, nuclear exclusion for neuroblastoma, HPV infection for cervical carcinoma)

Table II: cell lines with p53 gene deletion or rearrangement (true "p53 null" cell lines).

Table III: cell lines with splice mutations.

Table IV: cell lines with missense or small frameshift mutations.
Some of these frameshift mutations are associated with loss of p53 expression by Nonsense-Mediated mRNA Decay (K562 cells).

This is version 1.0 of this handbook. This chaotic situation will be progressively resolved with the accumulation of novel and accurate data. This handbook and the p53 web site will be regularly updated.

You are strongly encouraged to share your data with us for the benefit of the scientific community.

Please let us know if you find any errors: p53@free.fr

Description of the table

Files have been sorted by cancer and by cel lines name

Pos	Codon position (1 to 393)
WT	Normal base sequence of the codon in which the mutation occurred
Mut	Sequence of the mutated codon. If the mutation is a deletion or an insertion, it is indic by "del" or "ins" followed by the number of deleted or inserted bases. The position in codon is indicated by “a”, “b”, or “c” for the first, second or third base of the codon respectively. Example: "del66b" is a deletion of 66 bases including the second base c codon; "ins4a" is an insertion of 4 bases occurring between the first and the second b of the codon. Label a, b, or c is omitted if the boundary of the deletion or insertion is unknown.
AA	Wild type amino acid
MutAA	Mutant amino acid. **Stop**: nonsense mutation: **Fs**.: Frameshift mutation: **InF**: In-frame insertion or deletion
Comp	**SM:** Single mutational event in the tumor; **DMU** (Double Mutation Unknown): Two p53 mutations in the same tumor but their allelique distribution is unknown; **DMD** (Double Mutation Different allele): Two p53 mutations in the same tumor on two different p53 allele; **DMD** (Double Mutation Same allele): Two p53 mutations in the same tumor on the same p53 allele: **MM** (Multiple Mutation): More than two p53 mutations in the same tumor.
Name	Name of the tumor/patient/cell line as given by the authors. If the publication does not include any sample name, we have arbitrarily assigned a name, usually the first letters of the last author's name, followed by the numbers in the series. The same name or number can occur several times in a single study as in some samples more than one mutation has been reported (see complexity to find samples with multiple mutations). For cell lines, we used the name given in the publication. Unfortunately, there is some confusion as similar cell lines can appear with multiple names (acronym or ATCC references, change/errors in the acronym). Care has been taken to ensure some homogeneity
NB	Number of tumors with this particular mutant the database
Cancer	Cancer name
Ref	Reference identification number
WAF1	Residual transcriptional activity of mutant p53 on the WAF1 promoter (% compared to wild type p53).
	Data for WAF1 are taken from the work of Kato et al.,(Kato S, Han SY, Liu W, Otsuka K, Shibata H, Kanamaru R, Ishioka C (2003) Understanding the function-structure and function-mutation relationships of p53 tumor suppressor protein by high-resolution missense mutation analysis. Proc Natl Acad Sci U S A 100: 8424-8429). Transactivation was tested using a yeast assay. The residual transcriptional activity of mutant p53 is always compared to wild type p53 for the same promoter (%). Wt: mutation that does not change the amino acid: Be aware that some of these mutation can change splicing or RNA stability Fr: Frameshift mutations. No activity data is available but it is usually assumed that no p53 is produced Tr: Terminating mutation: No activity data is available but it is usually assumed that no p53 is produced ND: No data available for this mutant.

Brain Tumors (wt p53 status)

Cell line	ATCC	Origin	Reference
CHP-134*			
KG-1-C		Neuroblastoma	1006
GOTO		Neuroblastoma	1006
IMR-32*	CCL-127	Neuroblastoma	
LAN-5*		Neuroblastoma	
NB-1		Neuroblastoma	1006
NH-12		Neuroblastoma	1006
NH-6		Neuroblastoma	1006
SK-N-AS*	CRL-2137	Neuroblastoma	
SK-N-SH*	HTB-11	Neuroblastoma	
U-87-MG	HTB-14	Glioblastoma	2249
GM2300		Glioblastoma	1950
GM1578		Glioblastoma	1950
GM2455		Glioblastoma	1950
GM1600		Glioblastoma	1950
GM1592		Glioblastoma	1950
GM139		Glioblastoma	1950
GM2401		Glioblastoma	1950
SK-MG-11		Glioblastoma	698
SK-MG-15		Glioblastoma	698
V-MG-33		Glioblastoma	698

* Cytoplasmic p53

Breast Tumors (wt p53 status)

Cell line	ATCC	Reference
MCF-7	HTB-22	2091
MCF10-2A		
DU4475	HTB-123	2091
MDA-MB-175VII	HTB-25	2091
MPE600		2091
SK-BR-7		2091
SUM102PT		2091
UACC-812	CRL-1897	2091
ZR75-1	CRL-1500	2091
ZR75-30	CRL-1504	2091
HBL-100*		2029
MRK-nu-1		1006
YMB-1		1006
YMB-1-E		1006

Positive for SV40

Cervical carcinoma (wt p53 status)

Cell line	ATCC	Reference
HeLa*	CCL-2	1006
ME-180*	HTB-33	1006
SKG-IIIa*		1006
SW756*	CRL-10302	2249
CA-SKI*	CRL-1550	2249
SIHA*	HTB-35	2249
KB*	CCL-17	2249
MS-715*	HTB-34	68
C4II*	CRL-1595	68
SKG-II*		leave blank for now

* HPV positive

Colorectal Tumors (wt p53 status)

Cell line	ATCC	Reference
C32		2051
C99		2051
COLO678		2051
Gp2D		2051
HCT116	CCL-247	2051
LOVO	CCL-229	2051
LS180	CL-187	2051
LS174T	CL-188	2051
LS513	CRL-2134	2051
NCI-747		2051
RKO	CRL-2577	2051
SKCO-1	HTB-39	2051
Col15		2251
TC7		2251
EB		2251

Gastric Tumors (wt p53 status)

Cell line	ATCC	Reference
SNU-520		747
SNU-719		747
NUGC-4		462
STKM-2		1006
MKN-45		462
MKN-74	-	462

Head and Neck SCC (wt p53 status)

Cell line	ATCC	Reference
MO24		2252
PCI-30		2252
UM-SCC-17A/B		2252
UM-SCC-25		2252
UM-SCC-47		2252
UM-SCC-72		2252
UM-SCC-74A		2252
UM-SCC-74B		2252
UM-SCC-81A		2252
UPCI-SCC-3		1544
UPCI-SCC-30		1544
UPCI-SCC-40		1544
UPCI-SCC-56		1544
UPCI-SCC-81		1544
UPCI-SCC-104		1544
UPCI-SCC-131		1544
UPCI-SCC-142		1544
UPCI-SCC-154		1544
HOC927		105
BICR-10		208
BICR-18		208
MSK-922		600
MSK-121		600
MDA-1986		600
MDA-886		600
584		600
185		600
1483		600
183A		600
NHOK		626
HOK-16B		626
HOK-18A		626
HAp-2		626

Hepatocellular carcinoma (wt p53 status)

Cell line	ATCC	Reference
HuH-6 clone 5		1006
HuH-1*		1042
HCC-M*		1042
SK-Hep1	HTB-52	1042
HepG2	HB-8065	1042
WRL 68		230
FOCUS*,**		232

*HBV positive

Leukemia / Lymphoma (wt p53 status)

Cell line	ATCC	Origin	Reference
J-111		AML	1006
IM-9	CCL-159	CML-B	1006
ML-1		CML	
KMS-12-BM		Myeloma	1006
KMS-12-PE		Myeloma	1006
RPMI-1788	CCL156	Myeloma	1006
Ly3		Diffuse large cell lymphoma	613
DHL4		Diffuse large cell lymphoma	613
JJN-3		Myeloma	98
XG-3		Myeloma	98
PL-21		Myeloid Leukemia	126
ALL-B		ALL	1303
ALL-G		ALL	1303
ALL-K		ALL	1303
NGR		ALL	1303
SCO-1		ALL	1303
BRE		ALL	1303
HAU		ALL	1303
WMN		Burkitt lymphoma	447
FWL		Lymphoblastoid	447
NL2		Lymphoblastoid	447
AG876		Burkitt lymphoma	447
SHO		Burkitt lymphoma	447
JLP119		Burkitt lymphoma	447
EW36		Burkitt lymphoma	447
Reh	CRL-8286	ALL	1627
UoC-B1		ALL	1627
UoC-B3		ALL	1627
UoC-B4		ALL	1627
UoC-B11		ALL	1627
SUP-B7		ALL	1627
SUP-B13		ALL	1627
SUP-B15		ALL	1627
EU-1		ALL	1627
EU-3		ALL	1627

Melanoma (wt p53 status)

Cell line	ATCC	Ref
A375	CRL-1619	
C32TG		1006
HS939	CRL-7690	
HS944T	CRL-7693	
K2		
K4		
K11		
K19		
K23		
K25		
MEL-JUSO		
MeWo	HTB-65	
MGH-BO-1		
MGH-ST-1		
MGH-MC-1		
MGH-QU-1		
MGH-TH-1		
MJM		
MM455		
MM608		
RU		
SK-MEL-23		
SK-MEL-28	HTB-72	
SK-MEL-30		
SK-MEL-63		
SK-MEL-93		
SK-NEL-119		
SK-MEL-147		
Swift		
WM1205		
WM115	CRL-1675	
WM239A		
WM35		

Non Small Cell Lung Cancer (wt p53 status)

Cell line	ATCC	Reference
A-549	CCL-185	1006
LU99		1006
LU99A		1006
LU99B		1006
A427	HTB-53	1382
Ma-12		1382
Ma-17		1382
Ma-26		1382
NCI-H460	HTB-177	678
NCI-H726		678
NCI-H838	CRL-5844	678
NCI-H1385	CRL-5867	678
NCI-H1568	CRL-5876	678
NCI-H1570		678
NCI-H1653		678
NCI-H1725		678
NCI-H1944	CRL-5907	678
NCI-H2023	CRL-5912	678
NCI-H2030	CRL-5914	678
NCI-H2077	CRL-5919	678
NCI-H2126	CRL-5925	678
NCI-H2347	CRL-5942	678
NCI-H1395	CRL-5868	2249
NCI-H1563	CRL-5875	2249
NCI-H1650	CRL-5883	678
NCI-H1666	CRL-5885	678
NCI-H1975	CRL-5908	2249
NCI-H2170	CRL-5928	2249
NCI-H2228	CRL-5935	2249
NCI-H2342	CRL-5941	2249
NCI-H2347	CRL-5970	2249
NCI-H810	CRL-5816	678

Ovarian Tumors (wt p53 status)

Cell line	ATCC	Reference
KGN		2249
A2780		2249
RMG-1		2249
CH1		925
LK1		925
LK2		925

Prostate Tumors (wt p53 status)

Cell line	ATCC	Reference
LNCaP-FGC	CRL-1740	2249
MDA-PCa2A		1991
PC-436C		1991
PC-82		59

RCC (wt p53 status)

Cell line	ATCC	Ref
Caki-1		1006

Small Cell Lung Cancer (wt p53 status)

Cell line	ATCC	Reference
SBC-3		1006
Lu24		1382
MS-18		1382
NCI-H209	HTB-172	1382
NCI-H128	HTB-120	2249
NCI-H1522	CRL-5874	2249
NCI-H2081	CRL-5920	2249
NCI-H446	HTB-171	2249
NCI-H711	CRL-5836	678
NCI-H748	CRL-5841	678

p53 null cell

The “p53-null” status is used in different ways in the literature. The two most common meanings are a cell line with a documented p53 gene deletion (both alleles) or a cell line with a p53 mutation. We have also observed more “unusual” situations in which this status is only based on p53 expression (RNA or protein). Unfortunately, this type of information diffuses rapidly in the literature without any verification of the original publication.

The p53 status of the two cell lines SK-OV-3(Ovarian cancer) and FRO (anaplastic thyroid carcinoma cell line) are a good example of this ambiguity. In the majority of publications, the p53 status of these two cell line is stated as “p53 null”. In fact, close examination of the original manuscript shows that the p53 gene in SK-OV-3 is not deleted and did not sustain any gross rearrangement but neither p53 RNA or protein are found. In these publications, no p53 mutations were found but the recent analysis performed at the Sanger Institute detected a deletion of a single nucleotide at position 267 (codon 90) (Ikediobi et al., 2006). It is therefore possible that nonsense-mediated mRNA decay (NMD) eliminates p53 aberrant mRNA. NMD has been observed in the human leukaemia cell line K562 where p53 is also inactivated via a 1 base pair insertion at nucleotide 136. For the FRO cell line, the original reference for the analysis of the p53 gene status is always correctly quoted, but a closer look at this original paper demonstrates a marked decrease of p53 RNA in the cell but no mutation was detected by sequencing exons 5 to 8. Either a mutation is situated outside this region leading to a decrease of RNA expression (frameshift mutation associated with Nonsense-Mediated mRNA Decay) or the altered p53 expression is due to another mechanism. Because the whole p53 gene is present, it is incorrect to define SK-OV-3 or FRO cell lines as “p53 null”, as in the case of H1299 or Saos-2 cell lines in which the p53 gene is entirely deleted. These three cell lines are commonly used as recipients to reintroduce either wild-type of mutant p53. Whether the presence of an endogenous p53 gene which is still transcriptionally active in the SK-OV-3 or FRO cell could interfere with this reconstitution experiment is not known, but should be carefully considered before conducting this type of experiment. The recent finding of p53 isoforms that could be expressed by alternative splicing may also increase the complexity of this problem, as the various delta133 isoforms could be theoretically expressed in this cell line.

Another reason why “p53-null” should be used cautiously to describe cell lines that express mutant p53 is the observation that p53 mutations are fairly heterogeneous in terms of loss of function and several cell lines display a normal or partial p53 response. Finally, there is now ample evidence that some mutant p53 behave as dominant oncogenes with a gain of function activity. We therefore believe that the “p53 null” status should be used only for cell lines that are totally devoid of p53 gene. Any other situation should be referred to as “mutant p53”.

Cell line	ATCC	Cancer	reference
Hep3B*	HB-8064	Hepatocellular carcinoma	
KATO III	HTB-103	Gastric carcinoma	
NCI-H1299	CRL-5803	NSCLC	
H-358	CRL5807	NSCLC	
Calu-1	HTB-54	NSCLC	
Saos-2	HTB-85	Osteosarcoma	
LN-Z308		Glioblastoma	
HL-60	CCL-240	promyelocytic leukemia	
EU-4		ALL	
SK-N-MC	HTB-10	Ewing sarcoma	
PC-3		Prostate	
MDA- MB-157	HTB-24	Breast carcinoma	

This table is still preliminary. More cell lines wll be added in the next version.

The status of these cell lines has been verified by multiple authors

Splice Mutations

HNSCC

Cell line	ATCC	Mutation	reference
HSC-2		Splice intron 6	105
BICR-22		Splice intron 8	208
NU		Splice intron 6	105

NSCLC

Cell line	ATCC	Mutation	reference
NCI-H648	CRL-5834	intron7	92
NCI-H1710		intron8	92
NCI-H920	CRL-5850	intron5	92
NCI-H1792	CRL-5895	c.672+1G>A	92

SCLC

Cell line	ATCC	Mutation	reference
NCI-H1694	CRL-5888	c.783-1G>T	2249
NCI-H2227	CRL-5934	c.783-2A>C	678
NCI-H526	CRL-5811	splice intron3	678

Endometrial cancer

Cell line	ATCC	Mutation	reference
HEC50		Intron 6	

This table is still preliminary. More cell lines wll be added in the next version.

Cos.	WT	Mut		Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
237	ATG	ATA	Met	Ile	SM	WI-L2-NS	123	B-cell Leukemia	637	0.43	Controversy with other publications
330	CTT	CAT	Leu	His	SM	WI-L2-NS	4	B-cell Leukemia	769	9.21	Controversy with other publications
126	TAC	TAG	Tyr	Stop	SM	EJ	14	Bladder carcinoma	689	NA	Controversy with other publications
164	AAG	GAG	Lys	Glu	SM	EJ	25	Bladder carcinoma	729	12.39	Controversy with other publications
76	GCA	del76	Ala	Fs.	SM	FHS 738B1	1	Bladder carcinoma	561	NA	Single report
365	CAC	CGC	His	Arg	SM	HT-1197	1	Bladder carcinoma	561	39.94	wt in COSMIC
250	CCC	CTC	Pro	Leu	SM	HT-1376	53	Bladder carcinoma	561	0	Confirmed in two other publications
261	AGT	del137	Ser	Fs.	DMU	J82	1	Bladder carcinoma	2249	NA	Controversy with other publications Deletion of exon 8
271	GAG	AAG	Glu	Lys	MM	J82	38	Bladder carcinoma	561	8.55	Controversy with other publications undocumented 4th mutation (deletion 210 bp)
271	GAG	AAG	Glu	Lys	MM	J82	38	Bladder carcinoma	729	8.55	Controversy with other publications
274	GTT	TTT	Val	Phe	MM	J82	32	Bladder carcinoma	561	0.84	Controversy with other publications undocumented 4th mutation (deletion 210 bp)
274	GTT	TTT	Val	Phe	MM	J82	32	Bladder carcinoma	729	0.84	Controversy with other publications
320	AAG	AAC	Lys	Asn	MM	J82	5	Bladder carcinoma	561	30.3	Controversy with other publications undocumented 4th mutation (deletion 210 bp)
320	AAG	AAC	Lys	Asn	DMU	J82	5	Bladder carcinoma	2249	30.3	Controversy with other publications
320	AAG	AAC	Lys	Asn	MM	J82	5	Bladder carcinoma	729	30.3	Controversy with other publications
183	TCA	TGA	Ser	Stop	DMU	RT-112	29	Bladder carcinoma	2249	NA	Controversy with other publications
248	CGG	CAG	Arg	Gln	SM	RT-112	883	Bladder carcinoma	1733	0	Controversy with other publications
248	CGG	CAG	Arg	Gln	DMU	RT-112	883	Bladder carcinoma	2249	0	Controversy with other publications
110	CGT	CTT	Arg	Leu	SM	SD	28	Bladder carcinoma	294	12.26	Controversy with other publications
116	TCT	TGT	Ser	Cys	SM	SD	3	Bladder carcinoma	689	10.91	Controversy with other publications
126	TAC	TAG	Tyr	Stop	SM	T-24	14	Bladder carcinoma	689	NA	Controversy with other publications
126	TAC	del3a	Tyr	InF	SM	T-24	1	Bladder carcinoma	561	NA	Controversy with other publications
126	TAC	TAG	Tyr	Stop	DMU	VM-CUB-1	14	Bladder carcinoma	2249	NA	Controversy with other publications
175	CGC	CAC	Arg	His	SM	VM-CUB-1	1187	Bladder carcinoma	689	12.41	Controversy with other publications
175	CGC	CAC	Arg	His	DMU	VM-CUB-1	1187	Bladder carcinoma	2249	12.41	Controversy with other publications
158	CGC	CTC	Arg	Leu	DMU	VM-CUB-2	92	Bladder carcinoma	689	8.19	Controversy with other publications
158	CGC	CTC	Arg	Leu	SM	VM-CUB-2	92	Bladder carcinoma	294	8.19	Controversy with other publications
163	TAC	TGC	Tyr	Cys	DMU	VM-CUB-2	140	Bladder carcinoma	689	18.3	Controversy with other publications
246	ATG	del1c	Met	Fs.	SM	BT-483	1	Breast carcinoma	2029	NA	Controversy with other publications

Cos.	WT	Mut		Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
246	ATG	ATA	Met	Ile	SM	BT-483	33	Breast carcinoma	2091	0.28	Controversy with other publications
204	GAG	ins7c	Glu	Fs.	SM	MDA-MB-436	1	Breast carcinoma	2029	NA	Controversy with other publications
273	CGT	CAT	Arg	His	SM	MDA-MB-436	780	Breast carcinoma	1367	1.01	Controversy with other publications
213	CGA	TGA	Arg	Stop	SM	DAUDI	306	Burkitt lymphoma	44	NA	Controversy with other publications
266	GGA	GAA	Gly	Glu	SM	DAUDI	74	Burkitt lymphoma	2249	0	Controversy with other publications
158	CGC	CAC	Arg	His	SM	ST486	105	Burkitt lymphoma	44	8.78	Consensus based on three puublications. Controversy with other publications Second mutation found by COSMIC
158	CGC	CAC	Arg	His	DMU	ST486	105	Burkitt lymphoma	2249	8.78	Controversy with other publications. Excluded from the consensus
239	AAC	GAC	Asn	Asp	DMU	ST486	53	Burkitt lymphoma	2249	20.19	Controversy with other publications. Excluded from the consensus
234	TAC	TGC	Tyr	Cys	SM	CaR-1	133	Colorectal carcinoma	1006	2.14	Controversy with other publications. wt in COSMIC
272	GTG	ATG	Val	Met	SM	CaR-1	105	Colorectal carcinoma	2051	8.79	Controversy with other publications. wt in COSMIC
103	TAC	del27	Tyr	InF	SM	COLO-205	1	Colorectal carcinoma	492	NA	Controversy with other publications
266	GGA	GAA	Gly	Glu	SM	COLO-205	74	Colorectal carcinoma	1018	0	Controversy with other publications
153	CCC	GCC	Pro	Ala	SM	HCT-15	5	Colorectal carcinoma	1018	65.41	Controversy with other publications
241	TCC	TTC	Ser	Phe	SM	HCT-15	101	Colorectal carcinoma	2251	0	Controversy with other publications
72	CCC	del1b	Pro	Fs.	SM	KM12	1	Colorectal carcinoma	2249	NA	Controversy with other publications
179	CAT	CGT	His	Arg	SM	KM12	146	Colorectal carcinoma	1018	13.02	Controversy with other publications
156	CGC	del1a	Arg	Fs.	DMU	RL95-2	3	Endometrial tumor	1625	NA	Controversy with other publications
218	GTG	del3	Val	InF	SM	RL95-2	2	Endometrial tumor	64	NA	Controversy with other publications
218	GTG	del3a	Val	InF	DMU	RL95-2	3	Endometrial tumor	1625	NA	Controversy with other publications
179	CAT	CGT	His	Arg	SM	KYSE-450	146	Esophageal SCC	634	13.02	Controversy with other publications
339	GAG	TAG	Glu	Stop	SM	KYSE-450	12	Esophageal SCC	2249	NA	Controversy with other publications
241	TCC	del32c	Ser	Fs.	SM	KYSE-510	1	Esophageal SCC	634	NA	Controversy with other publications
343	GAG	TAG	Glu	Stop	SM	KYSE-510	5	Esophageal SCC	2249	NA	Controversy with other publications
110	CGT	CTT	Arg	Leu	SM	TE-11	28	Esophageal SCC	1006	12.26	Controversy with other publications. wt in COSMIC
237	ATG	ATT	Met	Ile	SM	TE-11	52	Esophageal SCC	1144	0.43	Controversy with other publications. wt in COSMIC
251	ATC	CTC	Ile	Leu	DMU	MKN-74	5	Gastric carcinoma	1006	0	Controversy with other publications. wt in COSMIC
251	ATC	CTC	Ile	Leu	SM	MKN-74	5	Gastric carcinoma	94	0	Controversy with other publications. wt in COSMIC

Cos.	WT	Mut		Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
271	GAG	GCG	Glu	Ala	DMU	MKN-74	3	Gastric carcinoma	1006	16.97	Controversy with other publications. wt in COSMIC
342	CGA	del1a	Arg	Fs.	SM	SF-539	5	Gliomas	2249	NA	Controversy with other publications
277	TGT	del30	Cys	InF	SM	UM-SCC-14	2	Head and Neck SCC	1019	NA	Controversy with other publications
277	TGT	del30	Cys	InF	DMU	UM-SCC-14	2	Head and Neck SCC	1636	NA	Controversy with other publications
280	AGA	AGT	Arg	Ser	DMU	UM-SCC-14	14	Head and Neck SCC	1636	20.55	Controversy with other publications
244	GGC	GCC	Gly	Ala	SM	HLE	10	Hepatocellular carcinoma	1069	0	Controversy with other publications
249	AGG	AGC	Arg	Ser	SM	HLE	34	Hepatocellular carcinoma	230	12.42	Controversy with other publications
272	GTG	ATG	Val	Met	SM	HLE	105	Hepatocellular carcinoma	1006	8.79	Controversy with other publications
237	ATG	AAG	Met	Lys	DMU	SK-LMS-1	11	Leyomyosarcoma	2198	14.24	Controversy with other publications
245	GGC	AGC	Gly	Ser	SM	SK-LMS-1	440	Leyomyosarcoma	14	0	Controversy with other publications
245	GGC	AGC	Gly	Ser	DMU	SK-LMS-1	440	Leyomyosarcoma	2198	0	Controversy with other publications
175	CGC	CAC	Arg	His	DMU	SK-UT-1	1187	Leyomyosarcoma	2249	12.41	Controversy with other publications
175	CGC	CAC	Arg	His	SM	SK-UT-1	1187	Leyomyosarcoma	14	12.41	Controversy with other publications
248	CGG	CAG	Arg	Gln	DMU	SK-UT-1	883	Leyomyosarcoma	2249	0	Controversy with other publications
187	GGT	del111	Gly	InF	SM	EKVX	1	Lung (NSCLC)	1018	NA	Controversy with other publications
203	GTG	GTT	Val	Val	SM	EKVX	2	Lung (NSCLC)	2249	NR	Controversy with other publications
204	GAG	TAG	Glu	Stop	SM	EKVX	46	Lung (NSCLC)	2249	NA	Controversy with other publications
47	CCG	CTG	Pro	Leu	SM	NCI-H1373	3	Lung (NSCLC)	106	144.03	Controversy with other publications
34	CCC	ins1	Pro	Fs.	DMU	NCI-H157	1	Lung (NSCLC)	1382	NA	Controversy with other publications
282	CGG	CCG	Arg	Pro	SM	NCI-H157	21	Lung (NSCLC)	2021	0	Controversy with other publications
298	GAG	TAG	Glu	Stop	SM	NCI-H157	71	Lung (NSCLC)	92	NA	Controversy with other publications
298	GAG	TAG	Glu	Stop	DMU	NCI-H157	71	Lung (NSCLC)	1382	NA	Controversy with other publications
285	GAG	AAG	Glu	Lys	SM	NCI-H1703	165	Lung (NSCLC)	92	0.58	Controversy with other publications
209	AGA	TGA	Arg	Stop	SM	NCI-H1793	14	Lung (NSCLC)	92	NA	Controversy with other publications
273	CGT	CAT	Arg	His	SM	NCI-H1793	780	Lung (NSCLC)	2249	1.01	Controversy with other publications
158	CGC	CTC	Arg	Leu	SM	NCI-H226	92	Lung (NSCLC)	92	8.19	Controversy with other publications
309	CCC	GCC	Pro	Ala	SM	NCI-H226	1	Lung (NSCLC)	1018	55.15	Controversy with other publications
249	AGG	AGC	Arg	Ser	SM	NCI-H324	34	Lung (NSCLC)	678	12.42	Controversy with other publications
249	AGG	AGC	Arg	Ser	DMU	NCI-H324	34	Lung (NSCLC)	92	12.42	Controversy with other publications
259	GAC	GTC	Asp	Val	DMU	NCI-H324	21	Lung (NSCLC)	92	10.87	Controversy with other publications
248	CGG	TGG	Arg	Trp	SM	PC-14	728	Lung (NSCLC)	1382	0	Controversy with other publications
248	CGG	CAG	Arg	Gln	SM	PC-14	883	Lung (NSCLC)	2242	0	Controversy with other publications
280	AGA	AAA	Arg	Lys	SM	SK-MES-1	78	Lung (NSCLC)	1081	0.46	Controversy with other publications. Excluded from the cosnensus

Cos.	WT	Mut		Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
298	GAG	TAG	Glu	Stop	SM	SK-MES-1	71	Lung (NSCLC)	303	NA	Consensus based on three publications. Controversy with other publications
46	TCC	del1b	Ser	Fs.	DMU	NCI-H1048	1	Lung (SCLC)	2249	NA	Controversy with other publications
273	CGT	TGT	Arg	Cys	SM	NCI-H1048	687	Lung (SCLC)	22	0.91	Controversy with other publications
273	CGT	TGT	Arg	Cys	DMU	NCI-H1048	687	Lung (SCLC)	2249	0.91	Controversy with other publications
258	GAA	AAA	Glu	Lys	DMU	MeWo	73	Melanoma	2249	0.31	Controversy with other publications
258	GAA	AAA	Glu	Lys	SM	MeWo	73	Melanoma	1076	0.31	Controversy with other publications
317	CAG	TAG	Gln	Stop	DMU	MeWo	25	Melanoma	2249	NA	Controversy with other publications
341	TTC	TTT	Phe	Phe	SM	MeWo	4	Melanoma	2019	NR	Controversy with other publications
342	CGA	TGA	Arg	Stop	SM	MeWo	74	Melanoma	2019	NA	Controversy with other publications
239	AAC	GAC	Asn	Asp	SM	PA-1	53	Ovarian carcinoma	854	20.19	Controversy with other publications. wt in COSMIC
316	CCC	CCT	Pro	Pro	SM	PA-1	6	Ovarian carcinoma	144	NR	Controversy with other publications. wt in COSMIC
89	CCC	del1a	Pro	Fs.	SM	SK-OV-3	3	Ovarian carcinoma	2249	NA	Controversy with other publications
179	CAT	CGT	His	Arg	SM	SK-OV-3	146	Ovarian carcinoma	1018	13.02	Controversy with other publications
262	GGT	GTT	Gly	Val	SM	SW626	14	Ovarian carcinoma	864	11.71	Controversy with other publications
273	CGT	CAT	Arg	His	SM	SW626	780	Ovarian carcinoma	1011	1.01	Controversy with other publications
134	TTT	del1a	Phe	Fs.	SM	AsPC-1	4	Pancreatic cancer	397	NA	Consensus based on four publications. Controversy with other publications
273	CGT	CAT	Arg	His	SM	ASPC-1	780	Pancreatic cancer	132	1.01	Controversy with other publications. Excluded from the consensus
273	CGT	CAT	Arg	His	SM	Panc-1	780	Pancreatic cancer	178	1.01	Consensus based on four publications. Controversy with one publication
273	CGT	TGT	Arg	Cys	SM	Panc-1	687	Pancreatic cancer	177	0.91	Controversy with other publications. Excluded from the cosnensus
223	CCT	CTT	Pro	Leu	DMD	DU-145	5	Prostate ca.	59	8.54	Consensus based on three publications. Controvery withy other publications (only one of the two mutations is found)
274	GTT	TTT	Val	Phe	DMD	DU-145	32	Prostate ca.	59	0.84	Consensus based on three publications. Controvery withy other publications (only one of the two mutations is found)
278	CCT	GCT	Pro	Ala	DMU	786-0	24	Renal cell ca.	1018	14.87	Controversy with other publications. Splice in COSMIC

Cos.	WT	Mut	\	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
273	CGT	TGT	Arg	Cys	SM	Rh30	687	Rhabdomyosarcoma	1190	0.91	Controversy with other publications
280	AGA	AGT	Arg	Ser	SM	RH30	14	Rhabdomyosarcoma	97	20.55	Controversy with other publications
111	CTG	GTG	Leu	Val	SM	MOLT-4	1	T-cell Acute Lymphoblastic Leu	2242	26.49	Controversy with other publications
248	CGG	CAG	Arg	Gln	SM	MOLT-4	883	T-cell Acute Lymphoblastic Leu	27	0	Controversy with other publications
306	CGA	TGA	Arg	Stop	SM	MOLT-4	160	T-cell Acute Lymphoblastic Leu	2249	NA	Controversy with other publications

Cos.	WT	Mut	\	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
306	CGA	TGA	Arg	Stop	SM	2L1	160	Acute Myelogenous Leukemia	2048	NA	from patient RUPN84. Single report
236	TAC	CAC	Tyr	His	MM	CG2	13	Acute Myelogenous Leukemia	356	14.28	Single report
237	ATG	GTG	Met	Val	MM	CG2	14	Acute Myelogenous Leukemia	356	13.83	Single report
248	CGG	CAG	Arg	Gln	MM	CG2	883	Acute Myelogenous Leukemia	356	0	Single report
133	ATG	AAG	Met	Lys	SM	HEL	13	Acute Myelogenous Leukemia	1006	10.08	wt in COSMIC
248	CGG	TGG	Arg	Trp	SM	K051	728	Acute Myelogenous Leukemia	243	0	Single report
248	CGG	TGG	Arg	Trp	SM	K052	728	Acute Myelogenous Leukemia	243	0	Single report
248	CGG	CAG	Arg	Gln	SM	KASUMI-1	883	Acute Myelogenous Leukemia	2249	0	Mutation in COSMIC database
272	GTG	ATG	Val	Met	SM	KMOE-2	105	Acute Myelogenous Leukemia	2249	8.79	Mutation in COSMIC database
241	TCC	CCC	Ser	Pro	SM	ML-1	11	Acute Myelogenous Leukemia	2198	0.48	Single report
273	CGT	CAT	Arg	His	SM	MONOMAC-1	780	Acute Myelogenous Leukemia	2198	1.01	Single report
241	TCC	del1c	Ser	Fs.	SM	NOMO-1	4	Acute Myelogenous Leukemia	2249	NA	Mutation in COSMIC database
172	GTT	TTT	Val	Phe	DMU	OHN-GM	19	Acute Myelogenous Leukemia	2049	8.17	Single report
238	TGT	TAT	Cys	Tyr	DMU	OHN-GM	98	Acute Myelogenous Leukemia	2049	14.58	Single report
195	ATC	ACC	Ile	Thr	SM	SHI-1	90	Acute Myelogenous Leukemia	2207	11.24	Single report
288	AAT	TAT	Asn	Tyr	SM	YSK-21	5	Acute Myelogenous Leukemia	1710	50.99	Single report
266	GGA	GTA	Gly	Val	SM	DJM-1	51	Adnexal carcinoma (skin)	2249	0	Mutation in COSMIC database
193	CAT	TAT	His	Tyr	SM	SW13	41	Adrenocortical carcinoma	416	4.97	Single report
179	CAT	CTT	His	Leu	SM	ASL5	38	Angiosarcoma (hepatic)	1353	21.26	Single report
115	CAT	TAT	His	Tyr	SM	440	2	Astrocytoma	491	48.24	Single report
55	ACT	ins1c	Thr	Fs.	SM	622	1	Astrocytoma	491	NA	Single report
273	CGT	TGT	Arg	Cys	SM	8-MG-BA	687	Astrocytoma	2249	0.91	Mutation in COSMIC database
273	CGT	CAT	Arg	His	SM	B2-17	780	Astrocytoma	2249	1.01	Mutation in COSMIC database
248	CGG	TGG	Arg	Trp	SM	CAS-1	728	Astrocytoma	2249	0	Mutation in COSMIC database
248	CGG	TGG	Arg	Trp	SM	D-336MG	728	Astrocytoma	2249	0	Mutation in COSMIC database
245	GGC	AGC	Gly	Ser	SM	D-423MG	440	Astrocytoma	2249	0	Mutation in COSMIC database
245	GGC	AGC	Gly	Ser	SM	D-566MG	440	Astrocytoma	2249	0	Mutation in COSMIC database
239	AAC	ins3b	Asn	InF	SM	GB-1	1	Astrocytoma	2249	NA	Mutation in COSMIC database
236	TAC	TGC	Tyr	Cys	SM	GMS-10	75	Astrocytoma	2249	0.7	Mutation in COSMIC database
245	GGC	AGC	Gly	Ser	DMU	KINGS-1	440	Astrocytoma	2249	0	Mutation in COSMIC database
248	CGG	CAG	Arg	Gln	DMU	KINGS-1	883	Astrocytoma	2249	0	Mutation in COSMIC database
175	CGC	CAC	Arg	His	SM	LN-319	1187	Astrocytoma	277	12.41	Single report
282	CGG	TGG	Arg	Trp	SM	LN-405	600	Astrocytoma	2249	0.55	Mutation in COSMIC database
110	CGT	CCT	Arg	Pro	SM	MOG-G-CCM	11	Astrocytoma	2249	10.79	Mutation in COSMIC database

Cos.	WT	Mut	\	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
159	GCC	GTC	Ala	Val	SM	MOG-G-UVW	50	Astrocytoma	2249	6.91	Mutation in COSMIC database
245	GGC	AGC	Gly	Ser	SM	no-10	440	Astrocytoma	2249	0	Mutation in COSMIC database
273	CGT	TGT	Arg	Cys	SM	no-11	687	Astrocytoma	2249	0.91	Mutation in COSMIC database
273	CGT	TGT	Arg	Cys	SM	SW1088	687	Astrocytoma	2249	0.91	Mutation in COSMIC database
273	CGT	TAT	Arg	Tyr	SM	SW1783	3	Astrocytoma	2249	NR	Mutation in COSMIC database
238	TGT	GGT	Cys	Gly	SM	TM-31	10	Astrocytoma	1760	13.93	Single report
109	TTC	TCC	Phe	Ser	SM	ALL-A	3	B-Acute Lymphoblastic Leukemia	1303	11.17	Single report
265	CTG	CCG	Leu	Pro	SM	ALL-C	23	B-Acute Lymphoblastic Leukemia	1303	0	Single report
248	CGG	CAG	Arg	Gln	SM	ALL-PO	883	B-Acute Lymphoblastic Leukemia	2249	0	Mutation in COSMIC database
109	TTC	TCC	Phe	Ser	SM	ALL-W	3	B-Acute Lymphoblastic Leukemia	1303	11.17	Single report
248	CGG	CAG	Arg	Gln	SM	EU-10	883	B-Acute Lymphoblastic Leukemia	1627	0	Single report
248	CGG	CAG	Arg	Gln	SM	EU-11	883	B-Acute Lymphoblastic Leukemia	1627	0	Single report
248	CGG	CAG	Arg	Gln	SM	EU-13	883	B-Acute Lymphoblastic Leukemia	1627	0	Single report
273	CGT	CTT	Arg	Leu	SM	EU-18	147	B-Acute Lymphoblastic Leukemia	1627	0.86	Single report
248	CGG	CAG	Arg	Gln	SM	EU-2	883	B-Acute Lymphoblastic Leukemia	617	0	Single report
273	CGT	CTT	Arg	Leu	SM	EU-6	147	B-Acute Lymphoblastic Leukemia	617	0.86	Single report
248	CGG	CAG	Arg	Gln	SM	EU-7	883	B-Acute Lymphoblastic Leukemia	617	0	Single report
246	ATG	ACG	Met	Thr	SM	GR-ST	13	B-Acute Lymphoblastic Leukemia	2249	0	Mutation in COSMIC database
124	TGC	TGA	Cys	Stop	SM	HPB-ALL	1	B-Acute Lymphoblastic Leukemia	2198	NA	Single report
273	CGT	TGT	Arg	Cys	SM	KARPAS-45	687	B-Acute Lymphoblastic Leukemia	2249	0.91	Mutation in COSMIC database
224	GAG	ins5	Glu	Fs.	SM	KG-1	1	B-Acute Lymphoblastic Leukemia	126	NA	Single report
225	GTT	ATT	Val	Ile	SM	KG-1a	4	B-Acute Lymphoblastic Leukemia	163	57.07	Single report
177	CCC	TCC	Pro	Ser	SM	KMO-90	19	B-Acute Lymphoblastic Leukemia	239	34.33	Single report
245	GGC	AGC	Gly	Ser	SM	KOPM30	440	B-Acute Lymphoblastic Leukemia	661	0	Single report
245	GGC	CGC	Gly	Arg	SM	KOPN32	20	B-Acute Lymphoblastic Leukemia	661	7.9	Single report
257	CTG	GTG	Leu	Val	SM	KOPN35	7	B-Acute Lymphoblastic Leukemia	661	1.08	Single report
282	CGG	ins2b	Arg	Fs.	SM	KOPN49	1	B-Acute Lymphoblastic Leukemia	661	NA	Single report
209	AGA	ins4b	Arg	Fs.	SM	KOPN63	1	B-Acute Lymphoblastic Leukemia	661	NA	Single report
175	CGC	TGC	Arg	Cys	MM	SCMC-L9	28	B-Acute Lymphoblastic Leukemia	478	61.6	Single report
248	CGG	CAG	Arg	Gln	MM	SCMC-L9	883	B-Acute Lymphoblastic Leukemia	478	0	Single report
358	GAG	AAG	Glu	Lys	MM	SCMC-L9	1	B-Acute Lymphoblastic Leukemia	478	54.45	Single report
246	ATG	ACG	Met	Thr	SM	Tanoue	13	B-Acute Lymphoblastic Leukemia	2242	0	Single report
175	CGC	CAC	Arg	His	SM	TMBL-1	1187	B-Acute Lymphoblastic Leukemia	1967	12.41	Single report
220	TAT	TGT	Tyr	Cys	SM	U-698-M	336	B-Acute Lymphoblastic Leukemia	2249	1.21	Mutation in COSMIC database
281	GAC	GGC	Asp	Gly	SM	BALL-1	16	B-cell Leukemia	2242	12.06	Single report

Cos.	WT	Mut		Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
248	CGG	CTG	Arg	Leu	SM	HL-60(TB)	124	B-cell Leukemia	1018	0	Single report
132	AAG	AGG	Lys	Arg	SM	KU812	51	B-cell Leukemia	1006	14.1	wt in COSMIC
285	GAG	AAG	Glu	Lys	SM	RPMI-8226	165	B-cell Leukemia	1018	0.58	Single report
237	ATG	ATA	Met	Ile	SM	WI-L2-NS	123	B-cell Leukemia	637	0.43	Controversy with other publications
330	CTT	CAT	Leu	His	SM	WI-L2-NS	4	B-cell Leukemia	769	9.21	Controversy with other publications
280	AGA	CGA	Arg	Arg	SM	2	1	B-cell Lymphoma	1098	NR	Single report
127	TCC	TTC	Ser	Phe	SM	3	30	B-cell Lymphoma	1098	12.47	Single report
176	TGC	TCC	Cys	Ser	SM	5	13	B-cell Lymphoma	1098	13.27	Single report
248	CGG	CAG	Arg	Gln	SM	6	883	B-cell Lymphoma	1098	0	Single report
273	CGT	TGT	Arg	Cys	SM	8	687	B-cell Lymphoma	1098	0.91	Single report
274	GTT	CTT	Val	Leu	SM	9	16	B-cell Lymphoma	1098	1.22	Single report
213	CGA	CAA	Arg	Gln	DMD	A3/KAW	38	B-cell Lymphoma	3	2.19	Single report
234	TAC	CAC	Tyr	His	DMD	A3/KAW	25	B-cell Lymphoma	3	0	Single report
283	CGC	CAC	Arg	His	SM	DG-75	19	B-cell Lymphoma	1143	0.46	Single report
216	GTG	ATG	Val	Met	DMU	HT	74	B-cell Lymphoma	2249	0.16	Mutation in COSMIC database
273	CGT	CAT	Arg	His	DMU	HT	780	B-cell Lymphoma	2249	1.01	Mutation in COSMIC database
158	CGC	CAC	Arg	His	DMU	LY1	105	B-cell Lymphoma	613	8.78	Single report
176	TGC	GGC	Cys	Gly	DMU	LY1	7	B-cell Lymphoma	613	15.95	Single report
238	TGT	CGT	Cys	Arg	SM	LY17	26	B-cell Lymphoma	613	0.48	Single report
176	TGC	TTC	Cys	Phe	SM	LY2	191	B-cell Lymphoma	613	22.88	Single report
245	GGC	GAC	Gly	Asp	SM	LY7	171	B-cell Lymphoma	613	1.95	Single report
282	CGG	CCG	Arg	Pro	SM	LY8 C3	21	B-cell Lymphoma	613	0	Single report
273	CGT	CAT	Arg	His	SM	SU-DHL-1	780	B-cell Lymphoma	2249	1.01	Mutation in COSMIC database
273	CGT	CAT	Arg	His	SM	EGI-1	780	Biliary tract carcinoma	2249	1.01	Mutation in COSMIC database
175	CGC	CAC	Arg	His	SM	ETK-1	1187	Biliary tract carcinoma	2249	12.41	Mutation in COSMIC database
175	CGC	CAC	Arg	His	SM	HuCCT1	1187	Biliary tract carcinoma	2249	12.41	Mutation in COSMIC database
271	GAG	AAG	Glu	Lys	SM	Huh-28	38	Biliary tract carcinoma	2249	8.55	Mutation in COSMIC database
273	CGT	TGT	Arg	Cys	SM	SNU-1196	687	Biliary tract carcinoma	1216	0.91	Single report
266	GGA	ins1c	Gly	Fs.	SM	SNU-478	1	Biliary tract carcinoma	1216	NA	Single report
48	GAC	GGT	Asp	Gly	SM	SNU-869	1	Biliary tract carcinoma	1216	62.92	Single report
280	AGA	ACA	Arg	Thr	SM	5637	92	Bladder carcinoma	561	0.29	Confirmed in three other publications
248	CGG	CAG	Arg	Gln	SM	639-V	883	Bladder carcinoma	689	0	Single report
162	ATC	AAC	Ile	Asn	DMU	647-V	4	Bladder carcinoma	2249	3.56	Mutation in COSMIC database
336	GAG	TAG	Glu	Stop	DMU	647-V	5	Bladder carcinoma	2249	NA	Mutation in COSMIC database
241	TCC	TGC	Ser	Cys	SM	BFTC-909	36	Bladder carcinoma	564	0	wt in COSMIC

Cos.	WT	Mut		Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
280	AGA	ACA	Arg	Thr	SM	BL-17	92	Bladder carcinoma	859	0.29	Single report
126	TAC	TAG	Tyr	Stop	SM	BT-1	14	Bladder carcinoma	689	NA	Single report
241	TCC	TTC	Ser	Phe	SM	CUBIII	101	Bladder carcinoma	729	0	Single report
158	CGC	CAC	Arg	His	SM	DSH1	105	Bladder carcinoma	2249	8.78	Mutation in COSMIC database
126	TAC	TAG	Tyr	Stop	SM	EJ	14	Bladder carcinoma	689	NA	Controversy with other publications
164	AAG	GAG	Lys	Glu	SM	EJ	25	Bladder carcinoma	729	12.39	Controversy with other publications
76	GCA	del76	Ala	Fs.	SM	FHS 738B1	1	Bladder carcinoma	561	NA	Single report
365	CAC	CGC	His	Arg	SM	HT-1197	1	Bladder carcinoma	561	39.94	wt in COSMIC
250	CCC	CTC	Pro	Leu	SM	HT-1376	53	Bladder carcinoma	561	0	Confirmed in two other publications
261	AGT	del137	Ser	Fs.	DMU	J82	1	Bladder carcinoma	2249	NA	Controversy with other publications Deletion of exon 8
271	GAG	AAG	Glu	Lys	MM	J82	38	Bladder carcinoma	561	8.55	Controversy with other publications undocumented 4th mutation (deletion 210 bp)
271	GAG	AAG	Glu	Lys	MM	J82	38	Bladder carcinoma	729	8.55	Controversy with other publications
274	GTT	TTT	Val	Phe	MM	J82	32	Bladder carcinoma	561	0.84	Controversy with other publications undocumented 4th mutation (deletion 210 bp)
274	GTT	TTT	Val	Phe	MM	J82	32	Bladder carcinoma	729	0.84	Controversy with other publications
320	AAG	AAC	Lys	Asn	MM	J82	5	Bladder carcinoma	561	30.3	Controversy with other publications undocumented 4th mutation (deletion 210 bp)
320	AAG	AAC	Lys	Asn	DMU	J82	5	Bladder carcinoma	2249	30.3	Controversy with other publications
320	AAG	AAC	Lys	Asn	MM	J82	5	Bladder carcinoma	729	30.3	Controversy with other publications
241	TCC	TAC	Ser	Tyr	SM	LB831-BLC	19	Bladder carcinoma	2249	6.57	Mutation in COSMIC database
213	CGA	TGA	Arg	Stop	SM	LD137	306	Bladder carcinoma	1163	NA	Single report
219	CCC	del1a	Pro	Fs.	SM	LD600	10	Bladder carcinoma	1163	NA	Single report
36	CCG	CCA	Pro	Pro	SM	LD605	5	Bladder carcinoma	1163	NR	Single report
245	GGC	GAC	Gly	Asp	SM	LD627	171	Bladder carcinoma	1163	1.95	Single report
280	AGA	AAA	Arg	Lys	SM	LD630	78	Bladder carcinoma	1163	0.46	Single report
248	CGG	CAG	Arg	Gln	SM	LD660	883	Bladder carcinoma	1163	0	Single report
248	CGG	CAG	Arg	Gln	SM	LD692	883	Bladder carcinoma	1163	0	Single report
158	CGC	CTC	Arg	Leu	SM	LD700	92	Bladder carcinoma	1163	8.19	Single report
183	TCA	TGA	Ser	Stop	DMU	RT-112	29	Bladder carcinoma	2249	NA	Controversy with other publications
248	CGG	CAG	Arg	Gln	SM	RT-112	883	Bladder carcinoma	1733	0	Controversy with other publications
248	CGG	CAG	Arg	Gln	DMU	RT-112	883	Bladder carcinoma	2249	0	Controversy with other publications
110	CGT	CTT	Arg	Leu	SM	SCaBER	28	Bladder carcinoma	294	12.26	Confirmed in another publication

Cos.	WT	Mut		Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
110	CGT	CTT	Arg	Leu	SM	SD	28	Bladder carcinoma	294	12.26	Controversy with other publications
116	TCT	TGT	Ser	Cys	SM	SD	3	Bladder carcinoma	689	10.91	Controversy with other publications
273	CGT	TGT	Arg	Cys	SM	SW1710	687	Bladder carcinoma	689	0.91	Single report
126	TAC	TAG	Tyr	Stop	SM	T-24	14	Bladder carcinoma	689	NA	Controversy with other publications
126	TAC	del3a	Tyr	InF	SM	T-24	1	Bladder carcinoma	561	NA	Controversy with other publications
349	GAA	TAA	Glu	Stop	SM	TCCSUP	7	Bladder carcinoma	561	NA	Single report
113	TTC	TGC	Phe	Cys	SM	UM-UC-3	9	Bladder carcinoma	294	12.55	Confirmed in two other publications
126	TAC	TAG	Tyr	Stop	DMU	VM-CUB-1	14	Bladder carcinoma	2249	NA	Controversy with other publications
175	CGC	CAC	Arg	His	SM	VM-CUB-1	1187	Bladder carcinoma	689	12.41	Controversy with other publications
175	CGC	CAC	Arg	His	DMU	VM-CUB-1	1187	Bladder carcinoma	2249	12.41	Controversy with other publications
158	CGC	CTC	Arg	Leu	DMU	VM-CUB-2	92	Bladder carcinoma	689	8.19	Controversy with other publications
158	CGC	CTC	Arg	Leu	SM	VM-CUB-2	92	Bladder carcinoma	294	8.19	Controversy with other publications
163	TAC	TGC	Tyr	Cys	DMU	VM-CUB-2	140	Bladder carcinoma	689	18.3	Controversy with other publications
278	CCT	CTT	Pro	Leu	SM	VM-CUB-3	84	Bladder carcinoma	689	0.81	Single report
248	CGG	CAG	Arg	Gln	SM	DB	883	B-Lineage Diffuse Large Cell L	2249	0	Mutation in COSMIC database
273	CGT	TGT	Arg	Cys	SM	KARPAS-299	687	B-Lineage Diffuse Large Cell L	2249	0.91	Mutation in COSMIC database
319	AAG	TAG	Lys	Stop	SM	KARPAS-422	5	B-Lineage Diffuse Large Cell L	2249	NA	Mutation in COSMIC database
179	CAT	AAT	His	Asn	SM	3522 S2	23	Breast carcinoma	1017	19.3	Single report
266	GGA	TGA	Gly	Stop	SM	BRC-230	19	Breast carcinoma	1393	NA	Single report
132	AAG	CAG	Lys	Gln	SM	BT-20	14	Breast carcinoma	24	10.86	Confirmed in another publication. wt in COSMIC
285	GAG	AAG	Glu	Lys	SM	BT-474	165	Breast carcinoma	24	0.58	Confirmed in three other publications
246	ATG	del1c	Met	Fs.	SM	BT-483	1	Breast carcinoma	2029	NA	Controversy with other publications
246	ATG	ATA	Met	Ile	SM	BT-483	33	Breast carcinoma	2091	0.28	Controversy with other publications
249	AGG	AGC	Arg	Ser	SM	BT-549	34	Breast carcinoma	24	12.42	Single report
224	GAG	AAG	Glu	Lys	SM	CAL-148	8	Breast carcinoma	2249	38.49	Mutation in COSMIC database
132	AAG	GAG	Lys	Glu	SM	CAL-85-1	25	Breast carcinoma	2249	0.56	Mutation in COSMIC database
280	AGA	ACA	Arg	Thr	SM	CAMA-1	92	Breast carcinoma	2029	0.29	wt in COSMIC
241	TCC	TGC	Ser	Cys	SM	EVSA-T	36	Breast carcinoma	2091	0	wt in COSMIC
248	CGG	CAG	Arg	Gln	SM	H-31	883	Breast carcinoma	1689	0	Single report
262	GGT	GTT	Gly	Val	SM	H-71	14	Breast carcinoma	1689	11.71	Single report
281	GAC	CAC	Asp	His	SM	HCC1007	41	Breast carcinoma	1396	0.66	Single report
281	GAC	TAC	Asp	Tyr	SM	HCC1008	16	Breast carcinoma	2258	7.28	
248	CGG	CAG	Arg	Gln	SM	HCC1143	883	Breast carcinoma	2249	0	Mutation in COSMIC database
248	CGG	CAG	Arg	Gln	SM	HCC1143	883	Breast carcinoma	2258	0	

Cos.	WT	Mut	\	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
108	GGT	del3b	Gly	InF	SM	HCC1187	1	Breast carcinoma	2258	NA	
108	GGT	del3a	Gly	InF	SM	HCC1187	1	Breast carcinoma	2249	NA	Mutation in COSMIC database
175	CGC	CAC	Arg	His	SM	HCC1395	1187	Breast carcinoma	1396	12.41	Single report
175	CGC	CAC	Arg	His	SM	HCC1395	1187	Breast carcinoma	2258	12.41	
74	GCC	del6a	Ala	InF	DMU	HCC1419	1	Breast carcinoma	2249	NA	Mutation in COSMIC database
220	TAT	TGT	Tyr	Cys	DMU	HCC1419	336	Breast carcinoma	2249	1.21	Mutation in COSMIC database
294	GAG	TAG	Glu	Stop	SM	HCC1569	54	Breast carcinoma	1396	NA	Single report
256	ACA	ins2	Thr	Fs.	SM	HCC1806	2	Breast carcinoma	1396	NA	Single report
306	CGA	TGA	Arg	Stop	SM	HCC1937	160	Breast carcinoma	1396	NA	Confirmed in another publication
306	CGA	TGA	Arg	Stop	SM	HCC1937	160	Breast carcinoma	2258	NA	
163	TAC	TGC	Tyr	Cys	SM	HCC1954	140	Breast carcinoma	2258	18.3	
163	TAC	TGC	Tyr	Cys	SM	HCC1954	140	Breast carcinoma	2249	18.3	Mutation in COSMIC database
248	CGG	TGG	Arg	Trp	SM	HCC2157	728	Breast carcinoma	2249	0	Mutation in COSMIC database
248	CGG	TGG	Arg	Trp	SM	HCC2157	728	Breast carcinoma	2258	0	
283	CGC	TGC	Arg	Cys	SM	HCC2218	27	Breast carcinoma	1396	25.27	Single report
241	TCC	del1b	Ser	Fs.	SM	HCC2713	26	Breast carcinoma	2258	NA	
213	CGA	TGA	Arg	Stop	SM	HCC2998	306	Breast carcinoma	2249	NA	Mutation in COSMIC database
273	CGT	CTT	Arg	Leu	SM	HCC38	147	Breast carcinoma	1396	0.86	Single report
273	CGT	CTT	Arg	Leu	SM	HCC38	147	Breast carcinoma	2258	0.86	
248	CGG	CAG	Arg	Gln	SM	HCC70	883	Breast carcinoma	1396	0	Single report
213	CGA	TGA	Arg	Stop	SM	HDQ-P1	306	Breast carcinoma	1713	NA	Single report
249	AGG	GGG	Arg	Gly	SM	HMT-3909	52	Breast carcinoma	552	0.17	Single report
157	GTC	TTC	Val	Phe	SM	Hs 578T	177	Breast carcinoma	76	9.06	Confirmed in two other publications
157	GTC	TTC	Val	Phe	SM	HS578T	177	Breast carcinoma	2258	9.06	
215	AGT	ATT	Ser	Ile	SM	L56BR-X1	25	Breast carcinoma	1968	8.11	Single report
244	GGC	AGC	Gly	Ser	SM	MAST	72	Breast carcinoma	1393	0.34	Single report
285	GAG	AAG	Glu	Lys	SM	MDA-MB-134-VI	165	Breast carcinoma	2029	0.58	wt in COSMIC
261	AGT	del26a	Ser	Fs.	SM	MDA-MB-157	1	Breast carcinoma	2029	NA	wt in COSMIC
280	AGA	AAA	Arg	Lys	SM	MDA-MB-231	78	Breast carcinoma	24	0.46	Confirmed in another publication
220	TAT	TGT	Tyr	Cys	SM	MDA-MB-330	336	Breast carcinoma	2091	1.21	Single report
166	TCA	TAA	Ser	Stop	SM	MDA-MB-361	19	Breast carcinoma	2029	NA	wt in COSMIC
236	TAC	TGC	Tyr	Cys	SM	MDA-MB-415	75	Breast carcinoma	2091	0.7	Single report
266	GGA	GAA	Gly	Glu	SM	MDA-MB-435	74	Breast carcinoma	1018	0	Single report
204	GAG	ins7c	Glu	Fs.	SM	MDA-MB-436	1	Breast carcinoma	2029	NA	Controversy with other publications
273	CGT	CAT	Arg	His	SM	MDA-MB-436	780	Breast carcinoma	1367	1.01	Controversy with other publications

Cos.	WT	Mut		Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
368	CAC	del30	His	InF	SM	MDA-MB-453	1	Breast carcinoma	147	NA	wt in COSMIC
273	CGT	CAT	Arg	His	SM	MDA-MB-468	780	Breast carcinoma	9	1.01	Confirmed in another publication
132	AAG	AGG	Lys	Arg	SM	MFM-223	51	Breast carcinoma	2249	14.1	Mutation in COSMIC database
234	TAC	TAA	Tyr	Stop	SM	MW1C-6.3	10	Breast carcinoma	147	NA	Single report
244	GGC	AGC	Gly	Ser	SM	OCUB-F	72	Breast carcinoma	2091	0.34	Single report
244	GGC	AGC	Gly	Ser	SM	OCUB-M	72	Breast carcinoma	2249	0.34	Mutation in COSMIC database
277	TGT	TTT	Cys	Phe	SM	R11T	48	Breast carcinoma	1806	0.31	Single report
136	CAA	TAA	Gln	Stop	SM	R18T	47	Breast carcinoma	1806	NA	Single report
273	CGT	TGT	Arg	Cys	SM	R30T	687	Breast carcinoma	1806	0.91	Single report
175	CGC	CAC	Arg	His	SM	SK-BR-3	1187	Breast carcinoma	76	12.41	Confirmed in another publication. wt in COSMIC
161	GCC	GAC	Ala	Asp	SM	SK-BR-5	19	Breast carcinoma	2091	2.42	Single report
135	TGC	TTC	Cys	Phe	SM	SUM1315MO2	52	Breast carcinoma	2091	10.37	Single report
237	ATG	ATA	Met	Ile	SM	SUM149PT	123	Breast carcinoma	2091	0.43	Single report
158	CGC	ins3a	Arg	InF	SM	SUM159PT	1	Breast carcinoma	2091	NA	Single report
144	CAG	TAG	Gln	Stop	SM	SUM185PE	53	Breast carcinoma	2091	NA	Single report
317	CAG	TAG	Gln	Stop	SM	SUM190PT	25	Breast carcinoma	2091	NA	Single report
265	CTG	CCG	Leu	Pro	SM	SUM225CWN	23	Breast carcinoma	2091	0	Single report
273	CGT	TGT	Arg	Cys	SM	SUM229PE	687	Breast carcinoma	2091	0.91	Single report
213	CGA	TGA	Arg	Stop	SM	SUM52PE	306	Breast carcinoma	2091	NA	Single report
194	CTT	TTT	Leu	Phe	SM	T47D	28	Breast carcinoma	9	14.38	Confirmed in another publication
342	CGA	TGA	Arg	Stop	SM	UACC-893	74	Breast carcinoma	2029	NA	Single report
273	CGT	TGT	Arg	Cys	SM	Abana	687	Burkitt lymphoma	2247	0.91	Single report
190	CCT	del1	Pro	Fs.	SM	AKATA	1	Burkitt lymphoma	75	NA	Single report
248	CGG	CAG	Arg	Gln	SM	AKUA	883	Burkitt lymphoma	447	0	Single report
206	TTG	del1	Leu	Fs.	SM	AS283A	2	Burkitt lymphoma	44	NA	Single report
193	CAT	CGT	His	Arg	SM	BJAB	86	Burkitt lymphoma	75	10.15	Single report
273	CGT	TGT	Arg	Cys	SM	BL-113	687	Burkitt lymphoma	44	0.91	Single report
246	ATG	ACG	Met	Thr	SM	BL-30	13	Burkitt lymphoma	75	0	Single report
237	ATG	ATA	Met	Ile	SM	BL-37	123	Burkitt lymphoma	44	0.43	Single report
248	CGG	CAG	Arg	Gln	SM	BL-41	883	Burkitt lymphoma	75	0	Single report
176	TGC	TAC	Cys	Tyr	DMU	BL-49	88	Burkitt lymphoma	44	14.82	Single report
248	CGG	TGG	Arg	Trp	DMU	BL-49	728	Burkitt lymphoma	44	0	Single report
282	CGG	TGG	Arg	Trp	SM	BL-60	600	Burkitt lymphoma	44	0.55	Single report
273	CGT	TGT	Arg	Cys	SM	BL-70	687	Burkitt lymphoma	2249	0.91	Mutation in COSMIC database

Cos.	WT	Mut		Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
213	CGA	TGA	Arg	Stop	SM	BL-99	306	Burkitt lymphoma	44	NA	Single report
248	CGG	CAG	Arg	Gln	SM	CA46	883	Burkitt lymphoma	447	0	Single report
175	CGC	CAC	Arg	His	SM	CW678	1187	Burkitt lymphoma	44	12.41	Single report
213	CGA	TGA	Arg	Stop	SM	DAUDI	306	Burkitt lymphoma	44	NA	Controversy with other publications
266	GGA	GAA	Gly	Glu	SM	DAUDI	74	Burkitt lymphoma	2249	0	Controversy with other publications
248	CGG	CAG	Arg	Gln	SM	DH978	883	Burkitt lymphoma	1030	0	Single report
206	TTG	del1	Leu	Fs.	SM	EB3	2	Burkitt lymphoma	44	NA	Single report
152	CCG	CTG	Pro	Leu	DMD	GA-10	91	Burkitt lymphoma	1819	9.52	Single report
232	ATC	AAC	Ile	Asn	DMD	GA-10	13	Burkitt lymphoma	1819	0.72	Single report
234	TAC	TGC	Tyr	Cys	SM	JD38	133	Burkitt lymphoma	44	2.14	Confirmed in another publication
132	AAG	CAG	Lys	Gln	SM	JIYOYE	14	Burkitt lymphoma	75	10.86	Confirmed in another publication
248	CGG	CAG	Arg	Gln	SM	KK124	883	Burkitt lymphoma	1007	0	Single report
248	CGG	CAG	Arg	Gln	SM	KK125	883	Burkitt lymphoma	44	0	Single report
238	TGT	TAT	Cys	Tyr	SM	LOUCKES	98	Burkitt lymphoma	75	14.58	Confirmed in another publication
238	TGT	TAT	Cys	Tyr	SM	MC116	98	Burkitt lymphoma	44	14.58	Confirmed in another publication
248	CGG	CAG	Arg	Gln	SM	NAMALWA	883	Burkitt lymphoma	75	0	Confirmed in three other publications
163	TAC	CAC	Tyr	His	DMU	P3HR1	26	Burkitt lymphoma	44	11.22	Confirmed in two other publications
287	GAG	TAG	Glu	Stop	DMU	P3HR1	14	Burkitt lymphoma	44	NA	Confirmed in two other publications
273	CGT	TGT	Arg	Cys	SM	PP984	687	Burkitt lymphoma	44	0.91	Single report
213	CGA	CAA	Arg	Gln	DMD	RAJI	38	Burkitt lymphoma	161	2.19	Confirmed in another publication Some publications described only one of the two mutations
234	TAC	CAC	Tyr	His	DMD	RAJI	25	Burkitt lymphoma	161	0	Confirmed in another publication Some publications described only one of the two mutations
254	ATC	GAC	Ile	Asp	SM	RAMOS	3	Burkitt lymphoma	44	NR	Confirmed in three other publications
175	CGC	ins3a	Arg	InF	SM	SG568	1	Burkitt lymphoma	447	NA	Single report
158	CGC	CAC	Arg	His	SM	ST486	105	Burkitt lymphoma	44	8.78	Consensus based on three puublications. Controversy with other publications Second mutation found by COSMIC
158	CGC	CAC	Arg	His	DMU	ST486	105	Burkitt lymphoma	2249	8.78	Controversy with other publications. Excluded from the consensus
239	AAC	GAC	Asn	Asp	DMU	ST486	53	Burkitt lymphoma	2249	20.19	Controversy with other publications. Excluded from the consensus
109	TTC	TTA	Phe	Leu	SM	C2	1	Cervical Cancer	469	9.61	Single report
273	CGT	TGT	Arg	Cys	SM	C33A	687	Cervical Cancer	54	0.91	Confirmed in two other publications

Cos.	WT	Mut	\	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
245	GGC	GTC	Gly	Val	SM	HT-3	84	Cervical Cancer	54	0	Confirmed in another publication
175	CGC	CAC	Arg	His	SM	IGR/Cut40	1187	Cervical Cancer	573	12.41	Single report
131	AAC	del3a	Asn	InF	SM	SKS	7	Cervical Cancer	1782	NA	Single report
175	CGC	CAC	Arg	His	SM	CH-1	1187	Chondrosarcoma	1373	12.41	Single report
167	CAG	CAT	Gln	His	SM	JEG-3	10	choriocarcinoma	473	41	wt in COSMIC
17	GAA	GAT	Glu	Asp	DMU	NUC-1	1	choriocarcinoma	473	49.57	Single report
24	AAA	AAT	Lys	Asn	DMU	NUC-1	1	choriocarcinoma	473	74.98	Single report
249	AGG	ins3c	Arg	InF	SM	SCH	1	choriocarcinoma	473	NA	Single report
289	CTC	CAC	Leu	His	SM	CG3	2	Chronic Myelocytic Leukemia	356	87.06	Single report
136	CAA	ins1a	Gln	Fs.	SM	K-562	1	Chronic Myelocytic Leukemia	269	NA	Confirmed in another publication
301	CCA	DEL1	Pro	Fs.	SM	KCL-22	2	Chronic Myelocytic Leukemia	150	NA	Single report
248	CGG	CAG	Arg	Gln	SM	KYO-1	883	Chronic Myelocytic Leukemia	150	0	Single report
319	AAG	TAG	Lys	Stop	SM	LAMA-84	5	Chronic Myelocytic Leukemia	2249	NA	Mutation in COSMIC database
282	CGG	TGG	Arg	Trp	SM	RG	600	Colorectal adenoma	1	0.55	Single report
248	CGG	TGG	Arg	Trp	SM	VACO330	728	Colorectal adenoma	1	0	Single report
301	CCA	del1a	Pro	Fs.	SM	ala	6	Colorectal carcinoma	724	NA	Single report
245	GGC	AGC	Gly	Ser	SM	C10	440	Colorectal carcinoma	2051	0	Single report
125	ACG	ATG	Thr	Met	SM	C106	12	Colorectal carcinoma	2051	14.64	Single report
196	CGA	TGA	Arg	Stop	SM	C125-PM	241	Colorectal carcinoma	2051	NA	Single report
249	AGG	AGC	Arg	Ser	SM	C75	34	Colorectal carcinoma	2051	12.42	Single report
52	CAA	TAA	Gln	Stop	SM	C80	6	Colorectal carcinoma	2051	NA	Single report
342	CGA	TGA	Arg	Stop	SM	C84	74	Colorectal carcinoma	2051	NA	Single report
204	GAG	TAG	Glu	Stop	SM	CACO2	46	Colorectal carcinoma	2051	NA	Single report
234	TAC	TGC	Tyr	Cys	SM	CaR-1	133	Colorectal carcinoma	1006	2.14	Controversy with other publications. wt in COSMIC
272	GTG	ATG	Val	Met	SM	CaR-1	105	Colorectal carcinoma	2051	8.79	Controversy with other publications. wt in COSMIC
245	GGC	AGC	Gly	Ser	SM	CBS	440	Colorectal carcinoma	724	0	Single report
245	GGC	AGC	Gly	Ser	SM	CC07	440	Colorectal carcinoma	2051	0	Single report
126	TAC	TAG	Tyr	Stop	SM	CC20	14	Colorectal carcinoma	2051	NA	Single report
278	CCT	CAT	Pro	His	SM	CCK-81	13	Colorectal carcinoma	2051	0.28	Single report
241	TCC	TTC	Ser	Phe	SM	CLONE A	101	Colorectal carcinoma	492	0	Single report
241	TCC	TTC	Ser	Phe	SM	CLONE D	101	Colorectal carcinoma	492	0	Single report
134	TTT	TTG	Phe	Leu	SM	Co74	6	Colorectal carcinoma	2258	10.71	
193	CAT	CGT	His	Arg	SM	Co82	86	Colorectal carcinoma	2258	10.15	
144	CAG	TAG	Gln	Stop	SM	Co84	53	Colorectal carcinoma	2258	NA	

Cos.	WT	Mut	\	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
273	CGT	TGT	Arg	Cys	SM	Co92	687	Colorectal carcinoma	2258	0.91	
196	CGA	TGA	Arg	Stop	SM	CoCM-1	241	Colorectal carcinoma	2051	NA	Single report
103	TAC	del27	Tyr	InF	SM	COLO-205	1	Colorectal carcinoma	492	NA	Controversy with other publications
266	GGA	GAA	Gly	Glu	SM	COLO-205	74	Colorectal carcinoma	1018	0	Controversy with other publications
248	CGG	TGG	Arg	Trp	SM	COLO-320	728	Colorectal carcinoma	38	0	Confirmed in two other publications
321	AAA	ins2a	Lys	Fs.	SM	COLO-741	1	Colorectal carcinoma	2051	NA	Single report
273	CGT	CAT	Arg	His	SM	CX-1	780	Colorectal carcinoma	492	1.01	Single report
248	CGG	CAG	Arg	Gln	SM	CX27	883	Colorectal carcinoma	1	0	Single report
241	TCC	TTC	Ser	Phe	SM	DLD-1	101	Colorectal carcinoma	27	0	Confirmed in three other publications
176	TGC	TTC	Cys	Phe	SM	FET	191	Colorectal carcinoma	724	22.88	Single report
277	TGT	TTT	Cys	Phe	SM	FRI	48	Colorectal carcinoma	724	0.31	Single report
245	GGC	GAC	Gly	Asp	SM	GLY	171	Colorectal carcinoma	724	1.95	Single report
273	CGT	CAT	Arg	His	SM	H-110	780	Colorectal carcinoma	1689	1.01	Single report
306	CGA	TGA	Arg	Stop	SM	H-173	160	Colorectal carcinoma	1689	NA	Single report
272	GTG	del2b	Val	Fs.	SM	HCA46	1	Colorectal carcinoma	2051	NA	Single report
300	CCC	del1a	Pro	Fs.	SM	HCA7	8	Colorectal carcinoma	2051	NA	Single report
213	CGA	TGA	Arg	Stop	SM	HCC-2998	306	Colorectal carcinoma	1018	NA	Confirmed in COSMIC database
153	CCC	GCC	Pro	Ala	SM	HCT-15	5	Colorectal carcinoma	1018	65.41	Controversy with other publications
241	TCC	TTC	Ser	Phe	SM	HCT-15	101	Colorectal carcinoma	2251	0	Controversy with other publications
273	CGT	CAT	Arg	His	SM	HRA19	780	Colorectal carcinoma	2051	1.01	Single report
273	CGT	CAT	Arg	His	SM	HT-29	780	Colorectal carcinoma	492	1.01	Confirmed in two other publications
213	CGA	CTA	Arg	Leu	SM	HT55	33	Colorectal carcinoma	2051	0.69	wt in COSMIC
163	TAC	CAC	Tyr	His	SM	ISRECO1	26	Colorectal carcinoma	724	11.22	Single report
72	CCC	del1b	Pro	Fs.	SM	KM12	1	Colorectal carcinoma	2249	NA	Controversy with other publications
179	CAT	CGT	His	Arg	SM	KM12	146	Colorectal carcinoma	1018	13.02	Controversy with other publications
234	TAC	CAC	Tyr	His	SM	LIM1863	25	Colorectal carcinoma	2051	0	Single report
245	GGC	GAC	Gly	Asp	SM	LS-1034	171	Colorectal carcinoma	724	1.95	Single report
175	CGC	CAC	Arg	His	SM	LS-123	1187	Colorectal carcinoma	2051	12.41	Single report
126	TAC	TAA	Tyr	Stop	SM	LS-411	11	Colorectal carcinoma	2051	NA	Single report
241	TCC	TTC	Ser	Phe	SM	MIP 101	101	Colorectal carcinoma	492	0	Single report
161	GCC	ACC	Ala	Thr	SM	MOSER	75	Colorectal carcinoma	492	13.25	Single report
273	CGT	CAT	Arg	His	SM	NCI-H508	780	Colorectal carcinoma	2249	1.01	Mutation in COSMIC database
342	CGA	TGA	Arg	Stop	SM	NCI-H630	74	Colorectal carcinoma	2249	NA	Mutation in COSMIC database
224	GAG	GAT	Glu	Asp	SM	NCI-H716	6	Colorectal carcinoma	2051	59.68	wt in COSMIC
158	CGC	CTC	Arg	Leu	SM	NCI-H747	92	Colorectal carcinoma	219	8.19	Single report

Cos.	WT	Mut		Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
272	GTG	ATG	Val	Met	SM	P-6	105	Colorectal carcinoma	1006	8.79	Single report
306	CGA	TGA	Arg	Stop	SM	RCM-1	160	Colorectal carcinoma	2051	NA	Single report
190	CCT	CTT	Pro	Leu	SM	SNU-1033	52	Colorectal carcinoma	1204	10.12	Single report
248	CGG	TGG	Arg	Trp	SM	SNU-1040	728	Colorectal carcinoma	1204	0	Single report
254	ATC	ACC	Ile	Thr	SM	SNU-1047	11	Colorectal carcinoma	1204	0.85	Single report
175	CGC	CAC	Arg	His	SM	SNU-1097	1187	Colorectal carcinoma	1204	12.41	Single report
273	CGT	CTT	Arg	Leu	SM	SNU-503	147	Colorectal carcinoma	1204	0.86	Single report
175	CGC	CAC	Arg	His	SM	SNU-61	1187	Colorectal carcinoma	1204	12.41	Single report
166	TCA	TGA	Ser	Stop	SM	SNU-C1	18	Colorectal carcinoma	2249	NA	Mutation in COSMIC database
273	CGT	TGT	Arg	Cys	DMD	SNU-C2B	687	Colorectal carcinoma	2051	0.91	Single report
273	CGT	CAT	Arg	His	DMD	SNU-C2B	780	Colorectal carcinoma	2051	1.01	Single report
218	GTG	TTG	Val	Leu	DMD	SNU-C5	3	Colorectal carcinoma	1038	54.76	Single report
248	CGG	TGG	Arg	Trp	DMD	SNU-C5	728	Colorectal carcinoma	1038	0	Single report
159	GCC	GAC	Ala	Asp	SM	SW1116	8	Colorectal carcinoma	219	10.18	Confirmed in two other publications. wt in COSMIC
237	ATG	del14	Met	Fs.	SM	SW1417	1	Colorectal carcinoma	492	NA	wt in COSMIC
248	CGG	CAG	Arg	Gln	SM	SW1463	883	Colorectal carcinoma	2249	0	Mutation in COSMIC database
51	GAA	TAA	Glu	Stop	SM	SW403	6	Colorectal carcinoma	2051	NA	Single report
248	CGG	TGG	Arg	Trp	SM	SW48	728	Colorectal carcinoma	492	0	Confirmed in another publication. wt in COSMIC
273	CGT	CAT	Arg	His	DMU	SW480	780	Colorectal carcinoma	9	1.01	Single report
309	CCC	TCC	Pro	Ser	DMU	SW480	6	Colorectal carcinoma	9	43.57	Single report
248	CGG	TGG	Arg	Trp	SM	SW837	728	Colorectal carcinoma	9	0	Confirmed in two other publications
117	GGG	del1a	Gly	Fs.	SM	SW948	3	Colorectal carcinoma	2051	NA	wt in COSMIC
245	GGC	GAC	Gly	Asp	SM	V9P	171	Colorectal carcinoma	724	1.95	Single report
175	CGC	CAC	Arg	His	SM	VACO10MS	1187	Colorectal carcinoma	2051	12.41	Single report
306	CGA	TGA	Arg	Stop	SM	VACO429	160	Colorectal carcinoma	2051	NA	Single report
154	GGC	AGC	Gly	Ser	SM	VACO457	14	Colorectal carcinoma	996	11.47	Single report
135	TGC	TGG	Cys	Trp	SM	VACO489	25	Colorectal carcinoma	996	12.8	Single report
329	ACC	ins1a	Thr	Fs.	SM	VACO4A	1	Colorectal carcinoma	2051	NA	Single report
282	CGG	TGG	Arg	Trp	SM	VACO5	600	Colorectal carcinoma	996	0.55	Single report
273	CGT	TGT	Arg	Cys	SM	VACO576	687	Colorectal carcinoma	996	0.91	Single report
181	CGC	TGC	Arg	Cys	SM	VACO670	28	Colorectal carcinoma	996	26.1	Single report
190	CCT	CTT	Pro	Leu	SM	VACO8	52	Colorectal carcinoma	996	10.12	Single report
273	CGT	CAT	Arg	His	SM	WIDR	780	Colorectal carcinoma	27	1.01	Confirmed in another publication
213	CGA	CAA	Arg	Gln	SM	AN3	38	Endometrial tumor	64	2.19	Single report

Cos.	WT	Mut	\	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
89	CCC	del1c	Pro	Fs.	DMU	AN3-CA	1	Endometrial tumor	2249	NA	Mutation in COSMIC database
389	GGG	TGG	Gly	Trp	DMU	AN3-CA	1	Endometrial tumor	2249	47.89	Mutation in COSMIC database
273	CGT	ins1a	Arg	Fs.	SM	EN	2	Endometrial tumor	1585	NA	Single report
213	CGA	TGA	Arg	Stop	SM	ESS-1	306	Endometrial tumor	2249	NA	Mutation in COSMIC database
248	CGG	CAG	Arg	Gln	SM	HEC-116	883	Endometrial tumor	1935	0	Single report
286	GAA	AAA	Glu	Lys	SM	HEC-155	86	Endometrial tumor	1935	11.07	Single report
195	ATC	AAC	Ile	Asn	SM	HEC-180	14	Endometrial tumor	1935	10.54	Single report
248	CGG	CAG	Arg	Gln	SM	HEC-1-A	883	Endometrial tumor	64	0	Single report
248	CGG	CAG	Arg	Gln	SM	HEC-1-B	883	Endometrial tumor	64	0	Single report
154	GGC	GAC	Gly	Asp	SM	HEC-251	9	Endometrial tumor	1935	39.65	Single report
273	CGT	CAT	Arg	His	SM	HEC-59	780	Endometrial tumor	1935	1.01	Single report
138	GCC	GTC	Ala	Val	SM	HHUA	48	Endometrial tumor	339	31.84	Single report
282	CGG	TGG	Arg	Trp	SM	HOUA	600	Endometrial tumor	339	0.55	Single report
246	ATG	GTG	Met	Val	SM	IK-90	57	Endometrial tumor	339	0	Single report
246	ATG	GTG	Met	Val	SM	ISHIKAWA	57	Endometrial tumor	64	0	Single report
175	CGC	CAC	Arg	His	SM	KLE	1187	Endometrial tumor	64	12.41	Confirmed in another publications. wt in COSMIC
306	CGA	TGA	Arg	Stop	SM	MFE-296	160	Endometrial tumor	2249	NA	Mutation in COSMIC database
156	CGC	del1a	Arg	Fs.	DMU	RL95-2	3	Endometrial tumor	1625	NA	Controversy with other publications
218	GTG	del3	Val	InF	SM	RL95-2	2	Endometrial tumor	64	NA	Controversy with other publications
218	GTG	del3a	Val	InF	DMU	RL95-2	3	Endometrial tumor	1625	NA	Controversy with other publications
274	GTT	GAT	Val	Asp	SM	OCIM2	8	Erythroleukemia	12	1.32	Single report
273	CGT	AGT	Arg	Ser	DMU	Bic-1	20	Esophageal ADC	2004	17.4	Single report
309	CCC	TCC	Pro	Ser	DMU	Bic-1	6	Esophageal ADC	2004	43.57	Single report
277	TGT	TTT	Cys	Phe	SM	Flo-1	48	Esophageal ADC	2004	0.31	Single report
310	AAC	ins1a	Asn	Fs.	SM	OE19	1	Esophageal ADC	2249	NA	Mutation in COSMIC database
248	CGG	TGG	Arg	Trp	SM	COLO-680N	728	Esophageal SCC	2249	0	Mutation in COSMIC database
234	TAC	TGC	Tyr	Cys	SM	EC-GI-10	133	Esophageal SCC	2249	2.14	Mutation in COSMIC database
245	GGC	GTC	Gly	Val	SM	HCE-4	84	Esophageal SCC	5	0	wt in COSMIC
278	CCT	TCT	Pro	Ser	SM	HCE-6	87	Esophageal SCC	5	0.34	Single report
278	CCT	TCT	Pro	Ser	SM	HCE7	87	Esophageal SCC	1317	0.34	Single report
220	TAT	TGT	Tyr	Cys	SM	KYSE- 890	336	Esophageal SCC	634	1.21	Single report
337	CGC	TGC	Arg	Cys	SM	KYSE-110	19	Esophageal SCC	634	11.86	Single report
193	CAT	CTT	His	Leu	DMU	KYSE-1170	55	Esophageal SCC	634	11.02	Single report
255	ATC	GTC	Ile	Val	DMU	KYSE-1170	4	Esophageal SCC	634	80.3	Single report

Cos.	WT	Mut	\	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
194	CTT	GTT	Leu	Val	SM	KYSE-1240	3	Esophageal SCC	634	95.43	Single report
193	CAT	CTT	His	Leu	SM	KYSE-1250	55	Esophageal SCC	634	11.02	Single report
342	CGA	del7a	Arg	Fs.	SM	KYSE-1260	1	Esophageal SCC	634	NA	Single report
193	CAT	CGT	His	Arg	SM	KYSE-140	86	Esophageal SCC	634	10.15	Single report
248	CGG	CAG	Arg	Gln	SM	KYSE-150	883	Esophageal SCC	2249	0	Mutation in COSMIC database
266	GGA	CGA	Gly	Arg	SM	KYSE-170	20	Esophageal SCC	634	10.77	Single report
195	ATC	ACC	Ile	Thr	SM	KYSE-180	90	Esophageal SCC	2249	11.24	Mutation in COSMIC database
203	GTG	CTG	Val	Leu	SM	KYSE-190	2	Esophageal SCC	634	8.55	Single report
337	CGC	TGC	Arg	Cys	SM	KYSE-200	19	Esophageal SCC	634	11.86	Single report
248	CGG	TGG	Arg	Trp	SM	KYSE-220	728	Esophageal SCC	634	0	Single report
248	CGG	CAG	Arg	Gln	SM	KYSE-350	883	Esophageal SCC	634	0	Single report
337	CGC	TGC	Arg	Cys	SM	KYSE-410	19	Esophageal SCC	2249	11.86	Mutation in COSMIC database
179	CAT	CGT	His	Arg	SM	KYSE-450	146	Esophageal SCC	634	13.02	Controversy with other publications
339	GAG	TAG	Glu	Stop	SM	KYSE-450	12	Esophageal SCC	2249	NA	Controversy with other publications
241	TCC	del32c	Ser	Fs.	SM	KYSE-510	1	Esophageal SCC	634	NA	Controversy with other publications
343	GAG	TAG	Glu	Stop	SM	KYSE-510	5	Esophageal SCC	2249	NA	Controversy with other publications
266	GGA	CGA	Gly	Arg	SM	KYSE-590	20	Esophageal SCC	634	10.77	Single report
251	ATC	ins1a	Ile	Fs.	SM	KYSE-70	1	Esophageal SCC	634	NA	Single report
273	CGT	TGT	Arg	Cys	SM	KYSE-850	687	Esophageal SCC	634	0.91	Single report
175	CGC	CAC	Arg	His	SM	SK-GT-4	1187	Esophageal SCC	462	12.41	Single report
214	CAT	CGT	His	Arg	SM	T.T	69	Esophageal SCC	1006	3.12	Single report
272	GTG	ATG	Val	Met	SM	T.Tn	105	Esophageal SCC	1006	8.79	Single report
272	GTG	ATG	Val	Met	SM	TE-1	105	Esophageal SCC	1144	8.79	wt in COSMIC
242	TGC	TAC	Cys	Tyr	SM	TE-10	58	Esophageal SCC	1144	0	Single report
110	CGT	CTT	Arg	Leu	SM	TE-11	28	Esophageal SCC	1006	12.26	Controversy with other publications. wt in COSMIC
237	ATG	ATT	Met	Ile	SM	TE-11	52	Esophageal SCC	1144	0.43	Controversy with other publications. wt in COSMIC
342	CGA	TGA	Arg	Stop	SM	TE-15	74	Esophageal SCC	2249	NA	Mutation in COSMIC database
248	CGG	CAG	Arg	Gln	SM	TE-6	883	Esophageal SCC	1144	0	Single report
237	ATG	ATT	Met	Ile	SM	TE-8	52	Esophageal SCC	2249	0.43	Mutation in COSMIC database
267	CGG	del1b	Arg	Fs.	SM	TE-9	2	Esophageal SCC	1144	NA	wt in COSMIC
194	CTT	CGT	Leu	Arg	SM	19	66	Ewing's Sarcoma	328	10.61	Single report
175	CGC	CAC	Arg	His	SM	58	1187	Ewing's Sarcoma	328	12.41	Single report
176	TGC	TTC	Cys	Phe	SM	59	191	Ewing's Sarcoma	328	22.88	Single report
273	CGT	TGT	Arg	Cys	SM	63	687	Ewing's Sarcoma	328	0.91	Single report

Cos.	WT	Mut		Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
285	GAG	AAG	Glu	Lys	SM	64	165	Ewing's Sarcoma	328	0.58	Single report
118	ACA	ins2	Thr	Fs.	SM	A673	1	Ewing's Sarcoma	226	NA	wt in COSMIC
283	CGC	DEL1C	Arg	Fs.	SM	ES-1-OT	4	Ewing's Sarcoma	245	NA	Single report
181	CGC	CAC	Arg	His	SM	EW-13	34	Ewing's Sarcoma	2249	34.07	Mutation in COSMIC database
164	AAG	GAG	Lys	Glu	SM	EW-24	25	Ewing's Sarcoma	2249	12.39	Mutation in COSMIC database
273	CGT	TGT	Arg	Cys	SM	IARC-EW2	687	Ewing's Sarcoma	226	0.91	Single report
273	CGT	TGT	Arg	Cys	SM	RD-ES	687	Ewing's Sarcoma	226	0.91	Confirmed in another publication
273	CGT	CAT	Arg	His	SM	RM 82	780	Ewing's Sarcoma	226	1.01	Single report
176	TGC	TTC	Cys	Phe	SM	SCMC-ES-2	191	Ewing's Sarcoma	245	22.88	Single report
141	TGC	TAC	Cys	Tyr	SM	SCMCS-ES-1	103	Ewing's Sarcoma	245	9.84	Single report
176	TGC	TTC	Cys	Phe	SM	SK-ES-1	191	Ewing's Sarcoma	226	22.88	Confirmed in another publication
176	TGC	TTC	Cys	Phe	SM	SK-PN-DW	191	Ewing's Sarcoma	2249	22.88	Mutation in COSMIC database
273	CGT	TGT	Arg	Cys	SM	SMB	687	Ewing's Sarcoma	226	0.91	Single report
277	TGT	TAT	Cys	Tyr	SM	STA-ET-2.1	28	Ewing's Sarcoma	226	0.68	Single report
273	CGT	TGT	Arg	Cys	SM	STA-ET-7.1	687	Ewing's Sarcoma	226	0.91	Single report
176	TGC	TTC	Cys	Phe	SM	W-ES	191	Ewing's Sarcoma	245	22.88	Single report
175	CGC	CAC	Arg	His	SM	FT-MZ-1	1187	Fallopian tube ca.	590	12.41	Single report
213	CGA	TGA	Arg	Stop	SM	SW684	306	Fibrosarcoma	2249	NA	Mutation in COSMIC database
248	CGG	TGG	Arg	Trp	SM	20M	728	Gastric carcinoma	71	0	Single report
282	CGG	TGG	Arg	Trp	SM	AKG	600	Gastric carcinoma	1393	0.55	Single report
307	GCA	del7b	Ala	Fs.	SM	ECC4	1	Gastric carcinoma	2249	NA	Mutation in COSMIC database
175	CGC	CAC	Arg	His	SM	G42LATE	1187	Gastric carcinoma	1393	12.41	Single report
11	GAG	CAG	Glu	Gln	DMU	GCIY	10	Gastric carcinoma	2249	67.48	Mutation in COSMIC database
179	CAT	CAG	His	Gln	DMU	GCIY	14	Gastric carcinoma	2249	17.51	Mutation in COSMIC database
104	CAG	TAG	Gln	Stop	SM	GT3TKB	18	Gastric carcinoma	2249	NA	Mutation in COSMIC database
145	CTG	CGG	Leu	Arg	SM	H-111	10	Gastric carcinoma	1689	12.61	Single report
273	CGT	TGT	Arg	Cys	SM	H-162	687	Gastric carcinoma	1689	0.91	Single report
128	CCT	del37	Pro	Fs.	SM	H-30	2	Gastric carcinoma	1689	NA	Single report
272	GTG	ATG	Val	Met	SM	H-55	105	Gastric carcinoma	1689	8.79	Single report
152	CCG	ins1c	Pro	Fs.	SM	HGC-27	2	Gastric carcinoma	2249	NA	Mutation in COSMIC database
245	GGC	AGC	Gly	Ser	SM	HSC-39	440	Gastric carcinoma	2087	0	Single report
193	CAT	CCT	His	Pro	SM	HUG-1N	18	Gastric carcinoma	2242	9.99	Single report
173	GTG	ATG	Val	Met	SM	JR1	77	Gastric carcinoma	94	10.53	Single report
173	GTG	GCG	Val	Ala	SM	KWS	20	Gastric carcinoma	94	7.49	Single report
143	GTG	GCG	Val	Ala	SM	MKN-1	20	Gastric carcinoma	71	11.35	Confirmed in another publication

Cos.	WT	Mut		Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
251	ATC	CTC	Ile	Leu	SM	MKN-28	5	Gastric carcinoma	94	0	Single report
278	CCT	TCT	Pro	Ser	SM	MKN-7	87	Gastric carcinoma	2087	0.34	Single report
251	ATC	CTC	Ile	Leu	DMU	MKN-74	5	Gastric carcinoma	1006	0	Controversy with other publications. wt in COSMIC
251	ATC	CTC	Ile	Leu	SM	MKN-74	5	Gastric carcinoma	94	0	Controversy with other publications. wt in COSMIC
271	GAG	GCG	Glu	Ala	DMU	MKN-74	3	Gastric carcinoma	1006	16.97	Controversy with other publications. wt in COSMIC
248	CGG	CAG	Arg	Gln	SM	NCI-N87	883	Gastric carcinoma	46	0	Single report
220	TAT	TGT	Tyr	Cys	SM	NUGC-3	336	Gastric carcinoma	94	1.21	Confirmed in another publication
342	CGA	TGA	Arg	Stop	SM	OKAJIMA	74	Gastric carcinoma	71	NA	Single report
57	GAC	del17	Asp	Fs.	SM	SK-GT-1	2	Gastric carcinoma	462	NA	Single report
175	CGC	CAC	Arg	His	SM	SK-GT-2	1187	Gastric carcinoma	462	12.41	Single report
281	GAC	GAG	Asp	Glu	SM	SK-GT-5	26	Gastric carcinoma	462	1.66	Single report
205	TAT	TTT	Tyr	Phe	SM	SNU-16	3	Gastric carcinoma	46	8.34	Single report
216	GTG	ATG	Val	Met	SM	SNU-216	74	Gastric carcinoma	747	0.16	Single report
266	GGA	GAA	Gly	Glu	SM	SNU-484	74	Gastric carcinoma	747	0	Single report
143	GTG	del1	Val	Fs.	SM	SNU-55	2	Gastric carcinoma	46	NA	Single report
273	CGT	CAT	Arg	His	SM	SNU-601	780	Gastric carcinoma	747	1.01	Single report
282	CGG	TGG	Arg	Trp	SM	SNU-638	600	Gastric carcinoma	747	0.55	Single report
215	AGT	AAT	Ser	Asn	SM	SNU-668	15	Gastric carcinoma	747	3.97	Single report
273	CGT	TGT	Arg	Cys	DMU	TGBC11TKB	687	Gastric carcinoma	2249	0.91	Mutation in COSMIC database
381	AAA	del1a	Lys	Fs.	DMU	TGBC11TKB	1	Gastric carcinoma	2249	NA	Mutation in COSMIC database
173	GTG	ATG	Val	Met	SM	TMK-1	77	Gastric carcinoma	71	10.53	Confirmed in another publication
175	CGC	CAC	Arg	His	SM	YCC-3	1187	Gastric carcinoma	46	12.41	Single report
273	CGT	TGT	Arg	Cys	SM	SJ-G2	687	Glial tumor	1190	0.91	Single report
88	GCC	del1b	Ala	Fs.	SM	SJ-G3	1	Glial tumor	1190	NA	Single report
248	CGG	CAG	Arg	Gln	SM	SJ-G5	883	Glial tumor	1190	0	Single report
242	TGC	TTC	Cys	Phe	SM	A-172	88	Glioblastoma	1397	13.79	wt in another publication
175	CGC	CAC	Arg	His	SM	A-7	1187	Glioblastoma	474	12.41	Single report
132	AAG	ATG	Lys	Met	SM	D456	9	Glioblastoma	472	14.93	Single report
195	ATC	ACC	Ile	Thr	SM	G-1163GM	90	Glioblastoma	2106	11.24	Single report
267	CGG	TGG	Arg	Trp	SM	G-1187GM	37	Glioblastoma	2106	1.68	Single report
248	CGG	TGG	Arg	Trp	SM	G123	728	Glioblastoma	370	0	Single report
105	GGC	AGC	Gly	Ser	SM	G-1265GM	1	Glioblastoma	2106	5.58	Single report
151	CCC	TCC	Pro	Ser	SM	G-1301M	92	Glioblastoma	2106	0.85	Single report

Cos.	WT	Mut		Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
176	TGC	TAC	Cys	Tyr	SM	G-210GM	88	Glioblastoma	2106	14.82	Single report
179	CAT	GAT	His	Asp	SM	G-211GM	19	Glioblastoma	2106	21.63	Single report
249	AGG	ATG	Arg	Met	SM	G-599GM	64	Glioblastoma	2106	0	Single report
175	CGC	CAC	Arg	His	SM	G-750GM	1187	Glioblastoma	2106	12.41	Single report
175	CGC	CAC	Arg	His	SM	GM133	1187	Glioblastoma	1950	12.41	Single report
76	GCA	GGA	Ala	Gly	DMU	GM1596	9	Glioblastoma	1950	80.42	Single report
220	TAT	CAT	Tyr	His	DMU	GM1596	15	Glioblastoma	1950	0.97	Single report
163	TAC	TCC	Tyr	Ser	SM	GM2217	5	Glioblastoma	1950	12.63	Single report
248	CGG	TGG	Arg	Trp	SM	GM2313	728	Glioblastoma	1950	0	Single report
76	GCA	GGA	Ala	Gly	DMU	GM2328	9	Glioblastoma	1950	80.42	Single report
161	GCC	TCC	Ala	Ser	DMU	GM2328	5	Glioblastoma	1950	10.83	Single report
175	CGC	CAC	Arg	His	SM	GM2345	1187	Glioblastoma	1950	12.41	Single report
282	CGG	TGG	Arg	Trp	SM	GM2493	600	Glioblastoma	1950	0.55	Single report
237	ATG	ATA	Met	Ile	SM	GM47.23	123	Glioblastoma	987	0.43	Single report
175	CGC	CAC	Arg	His	SM	GM97	1187	Glioblastoma	1950	12.41	Single report
249	AGG	AGT	Arg	Ser	SM	GT9	389	Glioblastoma	1066	12.42	Single report
250	CCC	GCC	Pro	Ala	SM	GT9	14	Glioblastoma	1066	46.58	Single report
242	TGC	TTC	Cys	Phe	SM	LG	88	Glioblastoma	1397	13.79	Single report
238	TGT	TCT	Cys	Ser	SM	LN-18	10	Glioblastoma	277	15.17	Single report
164	AAG	GAG	Lys	Glu	SM	LN-229	25	Glioblastoma	277	12.39	Single report
197	GTG	CTG	Val	Leu	SM	LN382	2	Glioblastoma	2254	12.36	Single report
173	GTG	ATG	Val	Met	DMU	LN-428	77	Glioblastoma	277	10.53	Single report
282	CGG	TGG	Arg	Trp	DMU	LN-428	600	Glioblastoma	277	0.55	Single report
273	CGT	TGT	Arg	Cys	SM	SK-D1	687	Glioblastoma	698	0.91	Single report
173	GTG	CTG	Val	Leu	SM	SK-MG-16	23	Glioblastoma	698	3.61	Single report
255	ATC	ATT	Ile	Ile	SM	SK-MG-21	5	Glioblastoma	698	NR	Single report
255	ATC	ATG	Ile	Met	SM	SK-MG-8	3	Glioblastoma	698	15.49	Single report
273	CGT	CAT	Arg	His	SM	SNB19	780	Glioblastoma	632	1.01	Confirmed in three other publications
237	ATG	ATA	Met	Ile	SM	T98G	123	Glioblastoma	277	0.43	Confirmed in two other publications. wt in COSMIC
213	CGA	CAA	Arg	Gln	SM	U118-MG	38	Glioblastoma	472	2.19	wt in COSMIC
232	ATC	ACC	Ile	Thr	DMU	U-138MG	15	Glioblastoma	1397	1.93	Single report
242	TGC	TTC	Cys	Phe	DMU	U-138MG	88	Glioblastoma	1397	13.79	Single report
273	CGT	CAT	Arg	His	SM	U251MG	780	Glioblastoma	2254	1.01	Single report
273	CGT	TGT	Arg	Cys	SM	V-MG-35/CE	687	Glioblastoma	698	0.91	Single report

Cos.	WT	Mut	\	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
218	GTG	GCG	Val	Ala	SM	V-MG-6	6	Glioblastoma	698	69.33	Single report
245	GGC	AGC	Gly	Ser	SM	D-542MG	440	Gliomas	2249	0	Mutation in COSMIC database
265	CTG	CCG	Leu	Pro	SM	GAMG	23	Gliomas	2249	0	Mutation in COSMIC database
241	TCC	TTC	Ser	Phe	SM	KALS-1	101	Gliomas	2249	0	Mutation in COSMIC database
342	CGA	TGA	Arg	Stop	SM	KNS-42	74	Gliomas	2249	NA	Mutation in COSMIC database
286	GAA	AAA	Glu	Lys	SM	MO59J	86	Gliomas	1471	11.07	Single report
286	GAA	AAA	Glu	Lys	SM	MO59K	86	Gliomas	1471	11.07	Single report
266	GGA	GAA	Gly	Glu	SM	SF188	74	Gliomas	664	0	Single report
176	TGC	TAC	Cys	Tyr	SM	SF210	88	Gliomas	664	14.82	Single report
273	CGT	CAT	Arg	His	SM	SF268	780	Gliomas	664	1.01	Single report
248	CGG	CAG	Arg	Gln	SM	SF295	883	Gliomas	1018	0	Confirmed in COSMIC database
342	CGA	del1a	Arg	Fs.	SM	SF-539	5	Gliomas	2249	NA	Controversy with other publications
258	GAA	AAA	Glu	Lys	SM	SNB75	73	Gliomas	1018	0.31	Confirmed in COSMIC database
275	TGT	TAT	Cys	Tyr	SM	GI-1	87	Gliosarcoma	2249	0.42	Mutation in COSMIC database
175	CGC	CAC	Arg	His	SM	Detroit562	1187	Head and Neck	2249	12.41	Mutation in COSMIC database
281	GAC	CAC	Asp	His	SM	TYS	41	Head and Neck	1056	0.66	Single report
258	GAA	AAA	Glu	Lys	SM	4197	73	Head and Neck SCC	1076	0.31	Single report
180	GAG	del1b	Glu	Fs.	SM	A253	1	Head and Neck SCC	2249	NA	Mutation in COSMIC database
275	TGT	TGG	Cys	Trp	SM	A30	11	Head and Neck SCC	2032	0.73	Single report
183	TCA	TAA	Ser	Stop	SM	BB30-HNC	3	Head and Neck SCC	2249	NA	Mutation in COSMIC database
146	TGG	TGA	Trp	Stop	SM	BICR-16	51	Head and neck SCC	208	NA	Single report
332	ATC	del99	Ile	InF	SM	BICR-19	1	Head and neck SCC	208	NA	Single report
308	CTG	del19	Leu	Fs.	SM	BICR-22	1	Head and neck SCC	208	NA	Single report
282	CGG	CCG	Arg	Pro	SM	BICR-3	21	Head and neck SCC	208	0	Single report
173	GTG	del3b	Val	InF	SM	BICR-31	2	Head and neck SCC	208	NA	Single report
126	TAC	del21	Tyr	InF	SM	BICR-56	4	Head and neck SCC	208	NA	Single report
192	CAG	TAG	Gln	Stop	SM	BICR-6	85	Head and neck SCC	208	NA	Single report
151	CCC	CAC	Pro	His	SM	BICR-7	33	Head and neck SCC	208	10.75	Single report
248	CGG	TGG	Arg	Trp	SM	Ca9-22	728	Head and neck SCC	105	0	Single report
193	CAT	CTT	His	Leu	SM	CAL-27	55	Head and Neck SCC	1854	11.02	Single report
175	CGC	CAC	Arg	His	SM	CAL-33	1187	Head and Neck SCC	2249	12.41	Mutation in COSMIC database
188	CTG	del12	Leu	InF	SM	DOK	1	Head and Neck SCC	418	NA	Single report
213	CGA	TGA	Arg	Stop	SM	EVSCC1	306	Head and Neck SCC	153	NA	Single report
248	CGG	CTG	Arg	Leu	SM	FaDu	124	Head and Neck SCC	153	0	Confirmed in two other publications
248	CGG	TGG	Arg	Trp	SM	FS-1	728	Head and Neck SCC	2252	0	Single report

Cos.	WT	Mut	\	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
267	CGG	TGG	Arg	Trp	SM	GL	37	Head and Neck SCC	1846	1.68	Single report
193	CAT	CTT	His	Leu	SM	HN	55	Head and Neck SCC	2249	11.02	Mutation in COSMIC database
266	GGA	CGA	Gly	Arg	SM	HO-1-N-1	20	Head and Neck SCC	2249	10.77	Mutation in COSMIC database
285	GAG	AAG	Glu	Lys	SM	HOC313	165	Head and neck SCC	105	0.58	Single report
126	TAC	TAG	Tyr	Stop	SM	HOC605	14	Head and neck SCC	105	NA	Single report
281	GAC	GAG	Asp	Glu	SM	HOC719	26	Head and neck SCC	105	1.66	Single report
205	TAT	TGT	Tyr	Cys	SM	HOC815	117	Head and neck SCC	105	8.94	Single report
305	AAG	ins1a	Lys	Fs.	SM	HSC-3	1	Head and neck SCC	105	NA	Single report
248	CGG	CAG	Arg	Gln	SM	HSC-4	883	Head and neck SCC	105	0	Single report
237	ATG	ATA	Met	Ile	SM	HSC-5	123	Head and neck SCC	105	0.43	Single report
266	GGA	GAA	Gly	Glu	SM	HSQ-89	74	Head and Neck SCC	2252	0	Single report
194	CTT	CGT	Leu	Arg	SM	HU 281	66	Head and Neck SCC	202	10.61	Single report
298	GAG	TAG	Glu	Stop	SM	JSQ-3	71	Head and neck SCC	160	NA	Single report
52	CAA	ins3a	Gln	InF	SM	KOSC-2	1	Head and Neck SCC	2249	NA	Mutation in COSMIC database
248	CGG	TGG	Arg	Trp	SM	KOSC-3	728	Head and Neck SCC	598	0	Single report
176	TGC	TGG	Cys	Trp	SM	KUMA-3	19	Head and Neck SCC	2252	15.16	Single report
179	CAT	CGT	His	Arg	SM	LB771-HNC	146	Head and Neck SCC	2249	13.02	Mutation in COSMIC database
258	GAA	GGA	Glu	Gly	SM	MDA-1186	20	Head and Neck SCC	600	0	Single report
280	AGA	CCA	Arg	Pro	DMU	MDA-1386	1	Head and Neck SCC	600	NR	Single report
282	CGG	TGG	Arg	Trp	DMU	MDA-1386	600	Head and Neck SCC	600	0.55	Single report
126	TAC	TGC	Tyr	Cys	SM	MDA-1483	17	Head and Neck SCC	2032	11.62	Single report
273	CGT	CTT	Arg	Leu	SM	MDA-1586	147	Head and Neck SCC	600	0.86	Single report
218	GTG	GGG	Val	Gly	DMU	MDA-1686	11	Head and Neck SCC	600	61.46	Single report
256	ACA	del1c	Thr	Fs.	DMU	MDA-1686	1	Head and Neck SCC	600	NA	Single report
151	CCC	TCC	Pro	Ser	SM	MDA-183	92	Head and Neck SCC	2032	0.85	Single report
151	CCC	TCC	Pro	Ser	SM	MDA-686	92	Head and Neck SCC	600	0.85	Confirmed in another publication
283	CGC	CCC	Arg	Pro	SM	MKG 7	35	Head and Neck SCC	1846	0.18	Single report
244	GGC	AGC	Gly	Ser	SM	MSK-QLL1	72	Head and Neck SCC	600	0.34	Single report
196	CGA	TGA	Arg	Stop	SM	MSK-QLL2	241	Head and Neck SCC	600	NA	Single report
220	TAT	CAT	Tyr	His	SM	NA	15	Head and neck SCC	105	0.97	Single report
248	CGG	TGG	Arg	Trp	SM	NOS-1	728	Head and Neck SCC	1784	0	wt in COSMIC
132	AAG	GAG	Lys	Glu	SM	OC2	25	Head and Neck SCC	1854	0.56	Single report
173	GTG	TTG	Val	Leu	SM	OC3	68	Head and Neck SCC	2224	3.61	Single report
266	GGA	GAA	Gly	Glu	SM	OM1	74	Head and neck SCC	105	0	Single report
283	CGC	CGG	Arg	Arg	MM	OSC-1	5	Head and Neck SCC	1207	NR	Single report

Cos.	WT	Mut	\	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
299	CTG	CTA	Leu	Leu	MM	OSC-1	2	Head and Neck SCC	1207	NR	Single report
346	GAG	AAG	Glu	Lys	MM	OSC-1	1	Head and Neck SCC	1207	60.67	Single report
280	AGA	ACA	Arg	Thr	SM	OSC-2	92	Head and Neck SCC	1207	0.29	Single report
116	TCT	TCC	Ser	Ser	DMU	OSC-3	2	Head and Neck SCC	1207	NR	Single report
176	TGC	TTC	Cys	Phe	DMU	OSC-3	191	Head and Neck SCC	1207	22.88	Single report
174	AGG	AGA	Arg	Arg	SM	OSC-4	7	Head and Neck SCC	1207	NR	Single report
150	ACA	GCA	Thr	Ala	DMU	OSC-5	3	Head and Neck SCC	1207	52.88	Single report
190	CCT	CCC	Pro	Pro	DMU	OSC-5	2	Head and Neck SCC	1207	NR	Single report
95	TCT	CCT	Ser	Pro	DMU	OSC-6	1	Head and Neck SCC	1207	63.47	Single report
126	TAC	TAG	Tyr	Stop	DMU	OSC-6	14	Head and Neck SCC	1207	NA	Single report
54	TTC	TAC	Phe	Tyr	SM	OSC-7	2	Head and Neck SCC	1207	60.64	Single report
193	CAT	TAT	His	Tyr	DMU	OSC-8	41	Head and Neck SCC	1207	4.97	Single report
256	ACA	ATA	Thr	Ile	DMU	OSC-8	6	Head and Neck SCC	1207	5.83	Single report
273	CGT	CAT	Arg	His	DMU	OSC-9	780	Head and Neck SCC	1207	1.01	Single report
309	CCC	ACC	Pro	Thr	DMU	OSC-9	2	Head and Neck SCC	1207	60.26	Single report
286	GAA	AAA	Glu	Lys	SM	PCI-13	86	Head and Neck SCC	2252	11.07	Single report
336	GAG	TAG	Glu	Stop	SM	SAS	5	Head and Neck SCC	2249	NA	Mutation in COSMIC database
216	GTG	GGG	Val	Gly	SM	SCC-12B	5	Head and neck SCC	208	2.05	Single report
258	GAA	AAA	Glu	Lys	SM	SCC-13	73	Head and neck SCC	208	0.31	Single report
224	GAG	ins5c	Glu	Fs.	SM	SCC-15	1	Head and Neck SCC	626	NA	Single report
209	AGA	del2a	Arg	Fs.	SM	SCC-25	20	Head and Neck SCC	208	NA	Confirmed in COSMIC database
175	CGC	CAC	Arg	His	SM	SCC-27	1187	Head and neck SCC	208	12.41	Single report
273	CGT	CAT	Arg	His	SM	SCC-35	780	Head and neck SCC	160	1.01	Single report
151	CCC	TCC	Pro	Ser	SM	SCC-4	92	Head and neck SCC	208	0.85	Confirmed in another publication
258	GAA	AAA	Glu	Lys	SM	SCC-4451	73	Head and Neck SCC	1937	0.31	Single report
274	GTT	del32c	Val	Fs.	SM	SCC-9	1	Head and Neck SCC	2249	NA	Mutation in COSMIC database
249	AGG	AGC	Arg	Ser	SM	SKX	34	Head and Neck SCC	1846	12.42	Single report
196	CGA	TGA	Arg	Stop	SM	SQ-38	241	Head and neck SCC	160	NA	Single report
271	GAG	del1	Glu	Fs.	SM	SQ9G	2	Head and Neck SCC	160	NA	Single report
151	CCC	TCC	Pro	Ser	SM	SSC-4	92	Head and Neck SCC	202	0.85	Single report
274	GTT	del32	Val	Fs.	SM	SSC-9	1	Head and Neck SCC	160	NA	Single report
248	CGG	TGG	Arg	Trp	SM	TSU	728	Head and neck SCC	105	0	Single report
171	GAG	del46c	Glu	Fs.	SM	TU-139	1	Head and Neck SCC	626	NA	Single report
151	CCC	TCC	Pro	Ser	SM	TU-177	92	Head and Neck SCC	626	0.85	Single report
224	GAG	TAG	Glu	Stop	SM	UD-SCC-3	10	Head and Neck SCC	1636	NA	Single report

Cos.	WT	Mut		Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
222	CCG	del13	Pro	Fs.	SM	UD-SCC-4	1	Head and Neck SCC	1636	NA	Single report
179	CAT	TAT	His	Tyr	SM	UD-SCC-5	128	Head and Neck SCC	1636	13.27	Single report
220	TAT	TGT	Tyr	Cys	SM	UD-SCC-6	336	Head and Neck SCC	1636	1.21	Single report
248	CGG	CTG	Arg	Leu	SM	UD-SCC-7	124	Head and Neck SCC	1636	0	Single report
155	ACC	AAC	Thr	Asn	SM	UD-SCC-8	34	Head and Neck SCC	1636	8.59	Single report
349	GAA	TAA	Glu	Stop	SM	UMB-SCC-745	7	Head and Neck SCC	2245	NA	Single report
270	TTT	del1a	Phe	Fs.	SM	UMB-SCC-864	3	Head and Neck SCC	2245	NA	Single report
205	TAT	CAT	Tyr	His	SM	UMB-SCC-969	12	Head and Neck SCC	2245	6.44	Single report
245	GGC	TGC	Gly	Cys	SM	UM-SCC-10A	86	Head and Neck SCC	153	0	Single report
245	GGC	TGC	Gly	Cys	SM	UM-SCC-10B	86	Head and Neck SCC	153	0	Single report
242	TGC	TCC	Cys	Ser	SM	UM-SCC-11B	19	Head and Neck SCC	1636	0	Single report
104	CAG	TAG	Gln	Stop	SM	UM-SCC-12	18	Head and Neck SCC	1983	NA	Single report
163	TAC	TGC	Tyr	Cys	SM	UM-SCC-13	140	Head and Neck SCC	1983	18.3	Single report
277	TGT	del30	Cys	InF	SM	UM-SCC-14	2	Head and Neck SCC	1019	NA	Controversy with other publications
277	TGT	del30	Cys	InF	DMU	UM-SCC-14	2	Head and Neck SCC	1636	NA	Controversy with other publications
280	AGA	AGT	Arg	Ser	DMU	UM-SCC-14	14	Head and Neck SCC	1636	20.55	Controversy with other publications
248	CGG	CTG	Arg	Leu	SM	UM-SCC-16	124	Head and Neck SCC	153	0	Single report
148	GAT	del10	Asp	Fs.	SM	UM-SCC-19	2	Head and Neck SCC	153	NA	Single report
71	CCC	del2a	Pro	Fs.	SM	UM-SCC-20	1	Head and Neck SCC	1983	NA	Single report
220	TAT	TGT	Tyr	Cys	SM	UM-SCC-22	336	Head and Neck SCC	2245	1.21	Single report
176	TGC	TTC	Cys	Phe	SM	UM-SCC-23	191	Head and Neck SCC	153	22.88	Single report
273	CGT	TGT	Arg	Cys	SM	UM-SCC-27	687	Head and Neck SCC	2245	0.91	Single report
248	CGG	CAG	Arg	Gln	SM	UM-SCC-3	883	Head and Neck SCC	2245	0	Single report
158	CGC	CCC	Arg	Pro	SM	UM-SCC-36	21	Head and Neck SCC	1983	10.17	Single report
213	CGA	TGA	Arg	Stop	SM	UM-SCC-4	306	Head and Neck SCC	2245	NA	Single report
278	CCT	GCT	Pro	Ala	SM	UM-SCC-46	24	Head and Neck SCC	1983	14.87	Single report
157	GTC	TTC	Val	Phe	SM	UM-SCC-5	177	Head and Neck SCC	2248	9.06	Single report
273	CGT	CTT	Arg	Leu	SM	UM-SCC-57	147	Head and Neck SCC	1983	0.86	Single report
242	TGC	TTC	Cys	Phe	SM	UM-SCC-63	88	Head and Neck SCC	153	13.79	Single report
248	CGG	TGG	Arg	Trp	SM	UM-SCC-68	728	Head and Neck SCC	1983	0	Single report
193	CAT	CGT	His	Arg	SM	UM-SCC-81B	86	Head and Neck SCC	1983	10.15	Single report
306	CGA	TGA	Arg	Stop	SM	UPCI:SCC-103	160	Head and Neck SCC	1544	NA	Single report
155	ACC	CCC	Thr	Pro	SM	UPCI:SCC-105	20	Head and Neck SCC	1544	7.8	Single report
179	CAT	TAT	His	Tyr	SM	UPCI:SCC-111	128	Head and Neck SCC	1544	13.27	Single report
248	CGG	CAG	Arg	Gln	SM	UPCI:SCC-114	883	Head and Neck SCC	1544	0	Single report

Cos.	WT	Mut	\	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
175	CGC	CAC	Arg	His	SM	UPCI:SCC-116	1187	Head and Neck SCC	1544	12.41	Single report
273	CGT	CAT	Arg	His	SM	UPCI:SCC-122	780	Head and Neck SCC	1544	1.01	Single report
151	CCC	CAC	Pro	His	SM	UPCI:SCC-125	33	Head and Neck SCC	1544	10.75	Single report
224	GAG	TAG	Glu	Stop	SM	UPCI:SCC-136	10	Head and Neck SCC	1544	NA	Single report
282	CGG	TGG	Arg	Trp	SM	UPCI:SCC-16	600	Head and Neck SCC	1544	0.55	Single report
155	ACC	CCC	Thr	Pro	SM	UPCI:SCC-172	20	Head and Neck SCC	1544	7.8	Single report
294	GAG	TAG	Glu	Stop	SM	UPCI:SCC-182	54	Head and Neck SCC	1544	NA	Single report
280	AGA	ACA	Arg	Thr	SM	UPCI:SCC-29B	92	Head and Neck SCC	1544	0.29	Single report
195	ATC	TTC	Ile	Phe	SM	UPCI:SCC-36	29	Head and Neck SCC	1544	10.47	Single report
248	CGG	CAG	Arg	Gln	SM	UPCI:SCC-70	883	Head and Neck SCC	1544	0	Single report
179	CAT	AAT	His	Asn	SM	UPCI:SCC-72	23	Head and Neck SCC	1544	19.3	Single report
177	CCC	CGC	Pro	Arg	SM	UPCI:SCC-99	19	Head and Neck SCC	1544	17.88	Single report
196	CGA	TGA	Arg	Stop	SM	UT-SCC-1	241	Head and Neck SCC	1019	NA	Single report
144	CAG	TAG	Gln	Stop	DMU	UT-SCC-10	53	Head and Neck SCC	1019	NA	Single report
306	CGA	TGA	Arg	Stop	DMU	UT-SCC-10	160	Head and Neck SCC	1019	NA	Single report
342	CGA	TGA	Arg	Stop	SM	UT-SCC-12	74	Head and Neck SCC	2250	NA	Single report
110	CGT	TGT	Arg	Cys	DMU	UT-SCC-16	11	Head and Neck SCC	1019	10.91	Single report
232	ATC	AAC	Ile	Asn	DMU	UT-SCC-16	13	Head and Neck SCC	1019	0.72	Single report
285	GAG	AAG	Glu	Lys	SM	UT-SCC-19	165	Head and Neck SCC	2250	0.58	Single report
275	TGT	TTT	Cys	Phe	SM	UT-SCC-2	47	Head and Neck SCC	1019	0.02	Single report
248	CGG	TGG	Arg	Trp	SM	UT-SCC-20	728	Head and Neck SCC	1019	0	Single report
238	TGT	TTT	Cys	Phe	SM	UT-SCC-22	42	Head and Neck SCC	1636	0.82	Single report
282	CGG	CCG	Arg	Pro	SM	UT-SCC-30	21	Head and Neck SCC	1019	0	Single report
282	CGG	TGG	Arg	Trp	SM	UT-SCC-33	600	Head and Neck SCC	1636	0.55	Single report
248	CGG	del9	Arg	InF	SM	UT-SCC-4	1	Head and Neck SCC	2250	NA	Single report
151	CCC	CAT	Pro	His	SM	UT-SCC-5	3	Head and Neck SCC	1019	10.75	Single report
266	GGA	GAA	Gly	Glu	SM	UT-SCC-7	74	Head and Neck SCC	2250	0	Single report
255	ATC	TTC	Ile	Phe	SM	UT-SCC-8	37	Head and Neck SCC	2250	0.48	Single report
273	CGT	CTT	Arg	Leu	SM	VU1131	147	Head and Neck SCC	1996	0.86	Single report
282	CGG	TGG	Arg	Trp	SM	VU1365	600	Head and Neck SCC	1996	0.55	Single report
236	TAC	TAA	Tyr	Stop	SM	YD-10B	12	Head and Neck SCC	2189	NA	Single report
258	GAA	GCA	Glu	Ala	SM	YD-15	3	Head and Neck SCC	2189	0	Single report
273	CGT	CAT	Arg	His	SM	YD-8	780	Head and Neck SCC	2189	1.01	Single report
279	GGG	GAG	Gly	Glu	SM	ZA	42	Head and neck SCC	105	0.27	Single report
281	GAC	CAC	Asp	His	SM	OHR	41	hepatoblastoma	589	0.66	Single report

Cos.	WT	Mut	\	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
139	AAG	GAG	Lys	Glu	SM	HCC-T	3	Hepatocellular carcinoma	1042	60.6	Single report
249	AGG	AGT	Arg	Ser	SM	HCKI-1	389	Hepatocellular carcinoma	1356	12.42	Single report
244	GGC	GCC	Gly	Ala	SM	HLE	10	Hepatocellular carcinoma	1069	0	Controversy with other publications
249	AGG	AGC	Arg	Ser	SM	HLE	34	Hepatocellular carcinoma	230	12.42	Controversy with other publications
272	GTG	ATG	Val	Met	SM	HLE	105	Hepatocellular carcinoma	1006	8.79	Controversy with other publications
244	GGC	GCC	Gly	Ala	SM	HLF	10	Hepatocellular carcinoma	230	0	Confirmed in two other publications
264	CTA	del18	Leu	InF	SM	HuH-4	1	Hepatocellular carcinoma	230	NA	Single report
220	TAT	TGT	Tyr	Cys	SM	HuH-7	336	Hepatocellular carcinoma	230	1.21	wt in another publication
249	AGG	AGT	Arg	Ser	SM	Malhavu	389	Hepatocellular carcinoma	232	12.42	Single report
249	AGG	AGT	Arg	Ser	SM	PLC/PRF/5	389	Hepatocellular carcinoma	38	12.42	Confirmed in two other publications
164	AAG	TAG	Lys	Stop	SM	SNU-387	18	Hepatocellular carcinoma	2249	NA	Mutation in COSMIC database
161	GCC	ACC	Ala	Thr	SM	SNU-449	75	Hepatocellular carcinoma	2249	13.25	Mutation in COSMIC database
262	GGT	GAT	Gly	Asp	SM	SNU-475	6	Hepatocellular carcinoma	2249	11.22	Mutation in COSMIC database
200	AAT	AAA	Asn	Lys	SM	TONG/HCC	1	Hepatocellular carcinoma	1042	22.72	wt in another publication
175	CGC	CAC	Arg	His	DMD	CO	1187	Hodgkin disease	55	12.41	Single report
282	CGG	TGG	Arg	Trp	DMD	CO	600	Hodgkin disease	55	0.55	Single report
232	ATC	del11c	Ile	Fs.	SM	HD-MY-Z	1	Hodgkin disease	2249	NA	Mutation in COSMIC database
156	CGC	CCC	Arg	Pro	SM	HH4dd	38	Human transformed fibroblast	1156	8.22	Single report
215	AGT	ins1	Ser	Fs.	SM	LMS6-93	3	Leyomyosarcoma	1552	NA	Single report
237	ATG	AAG	Met	Lys	DMU	SK-LMS-1	11	Leyomyosarcoma	2198	14.24	Controversy with other publications
245	GGC	AGC	Gly	Ser	SM	SK-LMS-1	440	Leyomyosarcoma	14	0	Controversy with other publications
245	GGC	AGC	Gly	Ser	DMU	SK-LMS-1	440	Leyomyosarcoma	2198	0	Controversy with other publications
175	CGC	CAC	Arg	His	DMU	SK-UT-1	1187	Leyomyosarcoma	2249	12.41	Controversy with other publications
175	CGC	CAC	Arg	His	SM	SK-UT-1	1187	Leyomyosarcoma	14	12.41	Controversy with other publications
248	CGG	CAG	Arg	Gln	DMU	SK-UT-1	883	Leyomyosarcoma	2249	0	Controversy with other publications
282	CGG	TGG	Arg	Trp	SM	LBC282	600	Li-Fraumeni synd.	982	0.55	Single report
286	GAA	GCA	Glu	Ala	SM	LBC286	6	Li-Fraumeni synd.	982	0.15	Single report
251	ATC	AAC	Ile	Asn	SM	SW872	21	Liposarcoma	2249	8.75	Mutation in COSMIC database
104	CAG	TAG	Gln	Stop	SM	AOI	18	Lung (?)	2242	NA	Single report
163	TAC	TGC	Tyr	Cys	SM	BEN	140	Lung (?)	2249	18.3	Mutation in COSMIC database
275	TGT	TTT	Cys	Phe	SM	ChaGo-K-1	47	Lung (?)	2249	0.02	Mutation in COSMIC database
212	TTT	ins39	Phe	InF	SM	HOP-62	1	Lung (?)	1018	NA	Single report
229	TGT	TGA	Cys	Stop	SM	866MT	6	Lung (NSCLC)	16	NA	Single report
278	CCT	TCT	Pro	Ser	SM	ABC-1	87	Lung (NSCLC)	1382	0.34	Single report
71	CCC	del1	Pro	Fs.	SM	ACC-LC-319	2	Lung (NSCLC)	1976	NA	Single report

Cos.	WT	Mut	\	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
281	GAC	GGC	Asp	Gly	SM	ACC-LC94	16	Lung (NSCLC)	1976	12.06	Single report
209	AGA	TGA	Arg	Stop	SM	CAEP	14	Lung (NSCLC)	1393	NA	Single report
135	TGC	TTC	Cys	Phe	SM	CAL-12T	52	Lung (NSCLC)	2249	10.37	Mutation in COSMIC database
280	AGA	AAA	Arg	Lys	SM	Ca-Lu-1	78	Lung (NSCLC)	1081	0.46	Single report
237	ATG	ATT	Met	Ile	SM	CALU-3	52	Lung (NSCLC)	2249	0.43	Mutation in COSMIC database
196	CGA	TGA	Arg	Stop	SM	CALU6	241	Lung (NSCLC)	16	NA	Single report
175	CGC	CAC	Arg	His	SM	CMRC-LCD	1187	Lung (NSCLC)	1382	12.41	Single report
171	GAG	TAG	Glu	Stop	SM	EBC-1	25	Lung (NSCLC)	1382	NA	Single report
187	GGT	del111	Gly	InF	SM	EKVX	1	Lung (NSCLC)	1018	NA	Controversy with other publications
203	GTG	GTT	Val	Val	SM	EKVX	2	Lung (NSCLC)	2249	NR	Controversy with other publications
204	GAG	TAG	Glu	Stop	SM	EKVX	46	Lung (NSCLC)	2249	NA	Controversy with other publications
273	CGT	TGT	Arg	Cys	SM	GLCA2	687	Lung (NSCLC)	1386	0.91	Single report
248	CGG	CTG	Arg	Leu	DMU	GLCP1	124	Lung (NSCLC)	1386	0	Single report
349	GAA	TAA	Glu	Stop	DMU	GLCP1	7	Lung (NSCLC)	1386	NA	Single report
139	AAG	del1c	Lys	Fs.	SM	HCC1438	1	Lung (NSCLC)	1327	NA	Single report
154	GGC	GTC	Gly	Val	SM	HCC2108	65	Lung (NSCLC)	1327	8.39	Single report
234	TAC	TGC	Tyr	Cys	SM	HCC2279	133	Lung (NSCLC)	1327	2.14	Single report
175	CGC	CTC	Arg	Leu	SM	HOP-92	25	Lung (NSCLC)	1018	13.16	Confirmed in COSMIC database
132	AAG	AAT	Lys	Asn	SM	IGR-Heu	23	Lung (NSCLC)	2195	10.49	Single report
249	AGG	AGT	Arg	Ser	SM	KNS-62	389	Lung (NSCLC)	2249	12.42	Mutation in COSMIC database
237	ATG	ATT	Met	Ile	SM	LC-1-SQ	52	Lung (NSCLC)	364	0.43	Confirmed in another publication
241	TCC	TGC	Ser	Cys	SM	LC-2-ad	36	Lung (NSCLC)	2249	0	Mutation in COSMIC database
216	GTG	TTG	Val	Leu	SM	LCLC-103H	13	Lung (NSCLC)	2249	2.73	Mutation in COSMIC database
248	CGG	CTG	Arg	Leu	SM	LCMS	124	Lung (NSCLC)	1382	0	Single report
272	GTG	ATG	Val	Met	SM	LK-2	105	Lung (NSCLC)	1006	8.79	Single report
11	GAG	CAG	Glu	Gln	SM	LU-65	10	Lung (NSCLC)	1382	67.48	Single report
273	CGT	CAT	Arg	His	SM	LX-1	780	Lung (NSCLC)	1081	1.01	Single report
248	CGG	TGG	Arg	Trp	SM	LXF-289	728	Lung (NSCLC)	2249	0	Mutation in COSMIC database
248	CGG	CAG	Arg	Gln	SM	MA1	883	Lung (NSCLC)	1382	0	Confirmed in another publication
245	GGC	GTC	Gly	Val	SM	MA-10	84	Lung (NSCLC)	1382	0	Single report
282	CGG	TGG	Arg	Trp	SM	MA14	600	Lung (NSCLC)	1574	0.55	Single report
175	CGC	CAC	Arg	His	SM	MA2	1187	Lung (NSCLC)	1382	12.41	Confirmed in another publication
337	CGC	TGC	Arg	Cys	SM	MA-24	19	Lung (NSCLC)	1382	11.86	Single report
237	ATG	ATA	Met	Ile	SM	MA25	123	Lung (NSCLC)	1382	0.43	Confirmed in another publication
121	TCT	del1c	Ser	Fs.	SM	MA-29	1	Lung (NSCLC)	1382	NA	Single report

Cos.	WT	Mut		Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
245	GGC	TGC	Gly	Cys	SM	MA3	86	Lung (NSCLC)	1382	0	Confirmed in another publication
245	GGC	GTC	Gly	Val	SM	MA36	84	Lung (NSCLC)	1574	0	Single report
273	CGT	CAT	Arg	His	SM	NCI-H1155	780	Lung (NSCLC)	92	1.01	Confirmed in two other publications
239	AAC	ins1b	Asn	Fs.	SM	NCI-H125	1	Lung (NSCLC)	678	NA	Single report
298	GAG	TAG	Glu	Stop	SM	NCI-H1264	71	Lung (NSCLC)	92	NA	Single report
248	CGG	TGG	Arg	Trp	SM	NCI-H1284	728	Lung (NSCLC)	678	0	Single report
234	TAC	TGC	Tyr	Cys	SM	NCI-H1304	133	Lung (NSCLC)	678	2.14	wt in COSMIC
224	GAG	GAC	Glu	Asp	SM	NCI-H1334	10	Lung (NSCLC)	92	59.68	Single report
285	GAG	AAG	Glu	Lys	SM	NCI-H1355	165	Lung (NSCLC)	92	0.58	Confirmed in another publication
47	CCG	CTG	Pro	Leu	SM	NCI-H1373	3	Lung (NSCLC)	106	144.03	Controversy with other publications
144	CAG	TAG	Gln	Stop	SM	NCI-H1404	53	Lung (NSCLC)	92	NA	Single report
141	TGC	TGG	Cys	Trp	SM	NCI-H1435	11	Lung (NSCLC)	92	6.4	Single report
267	CGG	CCG	Arg	Pro	SM	NCI-H1437	19	Lung (NSCLC)	92	0	Confirmed in another publication
89	CCC	del1	Pro	Fs.	SM	NCI-H1466	3	Lung (NSCLC)	92	NA	Single report
34	CCC	ins1	Pro	Fs.	DMU	NCI-H157	1	Lung (NSCLC)	1382	NA	Controversy with other publications
282	CGG	CCG	Arg	Pro	SM	NCI-H157	21	Lung (NSCLC)	2021	0	Controversy with other publications
298	GAG	TAG	Glu	Stop	SM	NCI-H157	71	Lung (NSCLC)	92	NA	Controversy with other publications
298	GAG	TAG	Glu	Stop	DMU	NCI-H157	71	Lung (NSCLC)	1382	NA	Controversy with other publications
248	CGG	CTG	Arg	Leu	SM	NCI-H1573	124	Lung (NSCLC)	92	0	Single report
144	CAG	TAG	Gln	Stop	SM	NCI-H1581	53	Lung (NSCLC)	92	NA	wt in COSMIC
273	CGT	CTT	Arg	Leu	SM	NCI-H1623	147	Lung (NSCLC)	92	0.86	Single report
175	CGC	CAC	Arg	His	SM	NCI-H1628	1187	Lung (NSCLC)	678	12.41	Single report
35	TTG	ins1b	Leu	Fs.	SM	NCI-H1648	1	Lung (NSCLC)	92	NA	wt in COSMIC
176	TGC	TAC	Cys	Tyr	SM	NCI-H1651	88	Lung (NSCLC)	92	14.82	Single report
285	GAG	AAG	Glu	Lys	SM	NCI-H1703	165	Lung (NSCLC)	92	0.58	Controversy with other publications
273	CGT	CTT	Arg	Leu	SM	NCI-H1734	147	Lung (NSCLC)	92	0.86	wt in COSMIC
242	TGC	TTC	Cys	Phe	SM	NCI-H1755	88	Lung (NSCLC)	92	13.79	Single report
247	AAC	AAT	Asn	Asn	SM	NCI-H1770	39	Lung (NSCLC)	2249	NR	Mutation in COSMIC database
248	CGG	TGG	Arg	Trp	SM	NCI-H1770	728	Lung (NSCLC)	2249	0	Mutation in COSMIC database
157	GTC	TTC	Val	Phe	SM	NCI-H1781	177	Lung (NSCLC)	92	9.06	Single report
209	AGA	TGA	Arg	Stop	SM	NCI-H1793	14	Lung (NSCLC)	92	NA	Controversy with other publications
273	CGT	CAT	Arg	His	SM	NCI-H1793	780	Lung (NSCLC)	2249	1.01	Controversy with other publications
273	CGT	CTT	Arg	Leu	SM	NCI-H1838	147	Lung (NSCLC)	2249	0.86	Mutation in COSMIC database
237	ATG	ATA	Met	Ile	SM	NCI-H1869	123	Lung (NSCLC)	678	0.43	Single report

Cos.	WT	Mut	\	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
209	AGA	TGA	Arg	Stop	SM	NCI-H1904	14	Lung (NSCLC)	92	NA	Single report
291	AAG	TAG	Lys	Stop	SM	NCI-H1915	9	Lung (NSCLC)	92	NA	Single report
242	TGC	TGG	Cys	Trp	SM	NCI-H1993	16	Lung (NSCLC)	2249	14.19	Mutation in COSMIC database
273	CGT	CTT	Arg	Leu	SM	NCI-H2009	147	Lung (NSCLC)	92	0.86	Single report
262	GGT	GTT	Gly	Val	SM	NCI-H2030	14	Lung (NSCLC)	2249	11.71	Mutation in COSMIC database
242	TGC	TGG	Cys	Trp	SM	NCI-H2073	16	Lung (NSCLC)	92	14.19	Single report
220	TAT	TCT	Tyr	Ser	SM	NCI-H2086	20	Lung (NSCLC)	106	0	Single report
157	GTC	TTC	Val	Phe	SM	NCI-H2087	177	Lung (NSCLC)	92	9.06	Confirmed in another publication
248	CGG	TGG	Arg	Trp	SM	NCI-H2106	728	Lung (NSCLC)	106	0	Single report
16	CAG	CTG	Gln	Leu	DMU	NCI-H2122	1	Lung (NSCLC)	2249	71.32	Mutation in COSMIC database
176	TGC	TTC	Cys	Phe	DMU	NCI-H2122	191	Lung (NSCLC)	2249	22.88	Mutation in COSMIC database
62	GAA	TAA	Glu	Stop	SM	NCI-H2126	8	Lung (NSCLC)	2249	NA	Mutation in COSMIC database
161	GCC	ACC	Ala	Thr	SM	NCI-H2250	75	Lung (NSCLC)	92	13.25	Single report
158	CGC	CTC	Arg	Leu	SM	NCI-H226	92	Lung (NSCLC)	92	8.19	Controversy with other publications
309	CCC	GCC	Pro	Ala	SM	NCI-H226	1	Lung (NSCLC)	1018	55.15	Controversy with other publications
154	GGC	GTC	Gly	Val	SM	NCI-H2291	65	Lung (NSCLC)	2249	8.39	Mutation in COSMIC database
246	ATG	ATC	Met	Ile	SM	NCI-H23	6	Lung (NSCLC)	17	0.28	Confirmed in another publication
273	CGT	CAT	Arg	His	SM	NCI-H2405	780	Lung (NSCLC)	2249	1.01	Mutation in COSMIC database
248	CGG	CTG	Arg	Leu	SM	NCI-H322	124	Lung (NSCLC)	92	0	Confirmed in another publication
249	AGG	AGC	Arg	Ser	SM	NCI-H324	34	Lung (NSCLC)	678	12.42	Controversy with other publications
249	AGG	AGC	Arg	Ser	DMU	NCI-H324	34	Lung (NSCLC)	92	12.42	Controversy with other publications
259	GAC	GTC	Asp	Val	DMU	NCI-H324	21	Lung (NSCLC)	92	10.87	Controversy with other publications
158	CGC	CTC	Arg	Leu	SM	NCI-H441	92	Lung (NSCLC)	92	8.19	Confirmed in another publication. wt in COSMIC
146	TGG	TGA	Trp	Stop	SM	NCI-H520	51	Lung (NSCLC)	92	NA	wt in COSMIC
191	CCT	del1a	Pro	Fs.	SM	NCI-H522	8	Lung (NSCLC)	92	NA	Single report
245	GGC	TGC	Gly	Cys	SM	NCI-H596	86	Lung (NSCLC)	92	0	Confirmed in another publication
164	AAG	AAT	Lys	Asn	SM	NCI-H650	8	Lung (NSCLC)	92	22.27	Single report
215	AGT	ATT	Ser	Ile	SM	NCI-H661	25	Lung (NSCLC)	92	8.11	wt in COSMIC
217	GTG	TTG	Val	Leu	DMU	NCI-H676	3	Lung (NSCLC)	92	50.18	Single report
248	CGG	CTG	Arg	Leu	DMU	NCI-H676	124	Lung (NSCLC)	92	0	Single report
102	ACC	del1	Thr	Fs.	SM	NCI-H679	1	Lung (NSCLC)	92	NA	Single report
176	TGC	TGG	Cys	Trp	SM	NCI-H720	19	Lung (NSCLC)	92	15.16	wt in COSMIC
162	ATC	ins9c	Ile	InF	SM	NCI-H727	1	Lung (NSCLC)	1707	NA	Single report
267	CGG	CCG	Arg	Pro	SM	NCI-H738	19	Lung (NSCLC)	678	0	Single report

Cos.	WT	Mut		Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
284	ACA	CCA	Thr	Pro	SM	NCI-H820	10	Lung (NSCLC)	106	7.25	Single report
285	GAG	AAG	Glu	Lys	SM	NCI-H854	165	Lung (NSCLC)	92	0.58	Single report
249	AGG	AGT	Arg	Ser	SM	OG56	389	Lung (NSCLC)	1976	12.42	Single report
334	GGG	GTG	Gly	Val	SM	PC-1	3	Lung (NSCLC)	1382	25.23	Single report
245	GGC	TGC	Gly	Cys	SM	PC-10	86	Lung (NSCLC)	364	0	Single report
334	GGG	GTG	Gly	Val	SM	PC-13	3	Lung (NSCLC)	1382	25.23	Single report
248	CGG	TGG	Arg	Trp	SM	PC-14	728	Lung (NSCLC)	1382	0	Controversy with other publications
248	CGG	CAG	Arg	Gln	SM	PC-14	883	Lung (NSCLC)	2242	0	Controversy with other publications
282	CGG	TGG	Arg	Trp	SM	PC-3	600	Lung (NSCLC)	364	0.55	Confirmed in another publication
214	CAT	CGT	His	Arg	SM	PC-7	69	Lung (NSCLC)	1382	3.12	Single report
248	CGG	CAG	Arg	Gln	SM	PC-9	883	Lung (NSCLC)	364	0	Single report
104	CAG	TAG	Gln	Stop	SM	PERF-LC-AI	18	Lung (NSCLC)	1976	NA	Single report
244	GGC	TGC	Gly	Cys	SM	RAL	53	Lung (NSCLC)	1393	0	Single report
113	TTC	TGC	Phe	Cys	SM	RERF-LOCK	9	Lung (NSCLC)	1382	12.55	Single report
158	CGC	CTC	Arg	Leu	SM	SK-LC-6	92	Lung (NSCLC)	1976	8.19	Single report
193	CAT	CGT	His	Arg	SM	SKLU1	86	Lung (NSCLC)	16	10.15	Single report
280	AGA	AAA	Arg	Lys	SM	SK-MES-1	78	Lung (NSCLC)	1081	0.46	Controversy with other publications. Excluded from the cosnensus
298	GAG	TAG	Glu	Stop	SM	SK-MES-1	71	Lung (NSCLC)	303	NA	Consensus based on three publications. Controversy with other publications
277	TGT	TTT	Cys	Phe	SM	SW1271	48	Lung (NSCLC)	16	0.31	Single report
167	CAG	TAG	Gln	Stop	SM	SW900	40	Lung (NSCLC)	2249	NA	Mutation in COSMIC database
347	GCC	ACC	Ala	Thr	SM	U-1752	3	Lung (NSCLC)	2021	24.06	Single report
175	CGC	del1	Arg	Fs.	SM	U-1810	3	Lung (NSCLC)	2021	NA	Single report
175	CGC	CAC	Arg	His	SM	VRMC-LCD	1187	Lung (NSCLC)	1976	12.41	Single report
204	GAG	TAG	Glu	Stop	SM	Y-ML-1B	46	Lung (NSCLC)	1867	NA	Single report
157	GTC	TTC	Val	Phe	SM	NCI-H2066	177	Lung (other)	92	9.06	Single report
220	TAT	TGT	Tyr	Cys	SM	NCI-H2286	336	Lung (other)	92	1.21	Single report
126	TAC	TGC	Tyr	Cys	SM	ACC-LC-172	17	Lung (SCLC)	1976	11.62	Single report
249	AGG	AGT	Arg	Ser	SM	ACC-LC-48	389	Lung (SCLC)	1976	12.42	Single report
110	CGT	del1	Arg	Fs.	SM	ACC-LC-49	3	Lung (SCLC)	1976	NA	Single report
152	CCG	ins1	Pro	Fs.	SM	ACC-LC-80	8	Lung (SCLC)	1976	NA	Single report
245	GGC	TGC	Gly	Cys	SM	COLO-668	86	Lung (SCLC)	2249	0	Mutation in COSMIC database
306	CGA	TGA	Arg	Stop	SM	COR-L51	160	Lung (SCLC)	2249	NA	Mutation in COSMIC database
281	GAC	CAC	Asp	His	SM	COR-L96CAR	41	Lung (SCLC)	2249	0.66	Mutation in COSMIC database

Cos.	WT	Mut		Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
245	GGC	GTC	Gly	Val	SM	CPC-N	84	Lung (SCLC)	2249	0	Mutation in COSMIC database
155	ACC	CCC	Thr	Pro	SM	DMS-153	20	Lung (SCLC)	1953	7.8	wt in COSMIC
245	GGC	TGC	Gly	Cys	SM	DMS-273	86	Lung (SCLC)	2249	0	Mutation in COSMIC database
241	TCC	TTC	Ser	Phe	SM	DMS-53	101	Lung (SCLC)	2249	0	Mutation in COSMIC database
278	CCT	del2c	Pro	Fs.	SM	DMS-79	1	Lung (SCLC)	2249	NA	Mutation in COSMIC database. del2 and ins 1
237	ATG	ATA	Met	Ile	SM	DMS-92	123	Lung (SCLC)	16	0.43	Single report
273	CGT	CTT	Arg	Leu	SM	GLC14	147	Lung (SCLC)	1386	0.86	Single report
282	CGG	TGG	Arg	Trp	SM	GLC28	600	Lung (SCLC)	1386	0.55	Single report
53	TGG	TGA	Trp	Stop	SM	GLC3	7	Lung (SCLC)	1386	NA	Single report
146	TGG	TAG	Trp	Stop	DMU	GLC35	46	Lung (SCLC)	1386	NA	Single report
175	CGC	CAC	Arg	His	DMU	GLC35	1187	Lung (SCLC)	1386	12.41	Single report
158	CGC	CTC	Arg	Leu	SM	GLC36	92	Lung (SCLC)	1386	8.19	Single report
132	AAG	GAG	Lys	Glu	SM	GLC4	25	Lung (SCLC)	1386	0.56	Single report
332	ATC	del1c	Ile	Fs.	SM	GLC42	4	Lung (SCLC)	1386	NA	Single report
326	GAA	TAA	Glu	Stop	SM	GLC44	9	Lung (SCLC)	1386	NA	Single report
218	GTG	GGG	Val	Gly	SM	GLC45	11	Lung (SCLC)	1386	61.46	Single report
144	CAG	CCG	Gln	Pro	SM	GLC7	10	Lung (SCLC)	1386	13.75	Single report
280	AGA	GGA	Arg	Gly	SM	GLC8	40	Lung (SCLC)	1386	21.11	Single report
193	CAT	CTT	His	Leu	SM	HOV	55	Lung (SCLC)	1386	11.02	Single report
294	GAG	TAG	Glu	Stop	SM	IST-SL2	54	Lung (SCLC)	2249	NA	Mutation in COSMIC database
294	GAG	del1a	Glu	Fs.	SM	LB647-SCLC	1	Lung (SCLC)	2249	NA	Mutation in COSMIC database
278	CCT	CTT	Pro	Leu	SM	LU-130	84	Lung (SCLC)	1382	0.81	Single report
278	CCT	CTT	Pro	Leu	SM	LU-134-A	84	Lung (SCLC)	364	0.81	Single report
244	GGC	TGC	Gly	Cys	SM	LU-135	53	Lung (SCLC)	364	0	Single report
248	CGG	CTG	Arg	Leu	SM	LU-138	124	Lung (SCLC)	1382	0	Single report
157	GTC	TTC	Val	Phe	SM	LU-139	177	Lung (SCLC)	364	9.06	Single report
342	CGA	del1b	Arg	Fs.	SM	LU-140	1	Lung (SCLC)	1382	NA	Single report
179	CAT	TAT	His	Tyr	SM	LU-141	128	Lung (SCLC)	1382	13.27	Single report
156	CGC	del13c	Arg	Fs.	SM	LU-165	1	Lung (SCLC)	2249	NA	Mutation in COSMIC database
244	GGC	AGC	Gly	Ser	SM	MS-1	72	Lung (SCLC)	2242	0.34	Single report
298	GAG	TAG	Glu	Stop	SM	N230	71	Lung (SCLC)	1382	NA	Single report
298	GAG	TAG	Glu	Stop	SM	N231	71	Lung (SCLC)	1382	NA	Single report
46	TCC	del1b	Ser	Fs.	DMU	NCI-H1048	1	Lung (SCLC)	2249	NA	Controversy with other publications
273	CGT	TGT	Arg	Cys	SM	NCI-H1048	687	Lung (SCLC)	22	0.91	Controversy with other publications

Cos.	WT	Mut	\	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
273	CGT	TGT	Arg	Cys	DMU	NCI-H1048	687	Lung (SCLC)	2249	0.91	Controversy with other publications
249	AGG	AGT	Arg	Ser	SM	NCI-H1105	389	Lung (SCLC)	2249	12.42	Mutation in COSMIC database
334	GGG	GTG	Gly	Val	SM	NCI-H1184	3	Lung (SCLC)	22	25.23	Single report
175	CGC	del1b	Arg	Fs.	SM	NCI-H1417	2	Lung (SCLC)	678	NA	wt in COSMIC
179	CAT	CAG	His	Gln	SM	NCI-H1436	14	Lung (SCLC)	678	17.51	wt in COSMIC
194	CTT	CGT	Leu	Arg	SM	NCI-H1450	66	Lung (SCLC)	17	10.61	Single report
318	CCA	del19b	Pro	Fs.	SM	NCI-H146	1	Lung (SCLC)	2249	NA	Mutation in COSMIC database
68	GAG	TAG	Glu	Stop	SM	NCI-H1514	5	Lung (SCLC)	22	NA	Single report
151	CCC	CAC	Pro	His	SM	NCI-H1607	33	Lung (SCLC)	22	10.75	Single report
248	CGG	CTG	Arg	Leu	SM	NCI-H1618	124	Lung (SCLC)	22	0	wt in COSMIC
266	GGA	GTA	Gly	Val	SM	NCI-H1672	51	Lung (SCLC)	22	0	Single report
241	TCC	TGC	Ser	Cys	SM	NCI-H187	36	Lung (SCLC)	1712	0	Single report
273	CGT	CTT	Arg	Leu	SM	NCI-H1881	147	Lung (SCLC)	22	0.86	Single report
273	CGT	CTT	Arg	Leu	SM	NCI-H1882	147	Lung (SCLC)	678	0.86	wt in COSMIC
213	CGA	TGA	Arg	Stop	SM	NCI-H1926	306	Lung (SCLC)	22	NA	wt in COSMIC
245	GGC	CGC	Gly	Arg	SM	NCI-H1930	20	Lung (SCLC)	2249	7.9	Mutation in COSMIC database
147	GTT	GAT	Val	Asp	DMU	NCI-H1963	7	Lung (SCLC)	22	11.64	wt in COSMIC
214	CAT	CGT	His	Arg	DMU	NCI-H1963	69	Lung (SCLC)	22	3.12	wt in COSMIC
220	TAT	GAT	Tyr	Asp	SM	NCI-H2029	5	Lung (SCLC)	2249	0.96	Mutation in COSMIC database
248	CGG	CAG	Arg	Gln	SM	NCI-H211	883	Lung (SCLC)	22	0	Single report
209	AGA	TGA	Arg	Stop	SM	NCI-H2141	14	Lung (SCLC)	22	NA	Single report
144	CAG	TAG	Gln	Stop	SM	NCI-H2171	53	Lung (SCLC)	2249	NA	Mutation in COSMIC database
157	GTC	TTC	Val	Phe	SM	NCI-H2196	177	Lung (SCLC)	2249	9.06	Mutation in COSMIC database
134	TTT	TTA	Phe	Leu	SM	NCI-H231	4	Lung (SCLC)	9	10.71	Single report
65	AGA	TGA	Arg	Stop	SM	NCI-H2330	9	Lung (SCLC)	2249	NA	Mutation in COSMIC database
277	TGT	TTT	Cys	Phe	SM	NCI-H250	48	Lung (SCLC)	2249	0.31	Mutation in COSMIC database
236	TAC	TGC	Tyr	Cys	SM	NCI-H345	75	Lung (SCLC)	2249	0.7	Mutation in COSMIC database
282	CGG	GGG	Arg	Gly	SM	NCI-H510	48	Lung (SCLC)	22	0.44	wt in COSMIC
283	CGC	CCC	Arg	Pro	SM	NCI-H64	35	Lung (SCLC)	2249	0.18	Mutation in COSMIC database
171	GAG	TAG	Glu	Stop	SM	NCI-H69	25	Lung (SCLC)	47	NA	Confirmed in three other publications
248	CGG	CAG	Arg	Gln	SM	NCI-H719	883	Lung (SCLC)	2249	0	Mutation in COSMIC database
342	CGA	TGA	Arg	Stop	SM	NCI-H774	74	Lung (SCLC)	22	NA	Confirmed in another publication
242	TGC	TCC	Cys	Ser	SM	NCI-H841	19	Lung (SCLC)	1382	0	Single report
242	TGC	TCC	Cys	Ser	SM	NCI-H889	19	Lung (SCLC)	17	0	Confirmed in another publication
298	GAG	TAG	Glu	Stop	SM	NCI-N417	71	Lung (SCLC)	106	NA	Single report

Cos.	WT	Mut	\	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
298	GAG	TAG	Glu	Stop	SM	RERF-LCMA	71	Lung (SCLC)	364	NA	Confirmed in another publication
120	AAG	TAG	Lys	Stop	SM	SBC-1	2	Lung (SCLC)	2249	NA	Mutation in COSMIC database
248	CGG	CTG	Arg	Leu	SM	SBC-5	124	Lung (SCLC)	364	0	Confirmed in another publication. wt in COSMIC
278	CCT	CGT	Pro	Arg	SM	SCLC-21H	39	Lung (SCLC)	2249	0.72	Mutation in COSMIC database
85	CCT	del1	Pro	Fs.	SM	SK-LC-2	1	Lung (SCLC)	1976	NA	Single report
259	GAC	GTC	Asp	Val	SM	U-1690	21	Lung (SCLC)	2021	10.87	Single report
248	CGG	CTG	Arg	Leu	SM	U-1906	124	Lung (SCLC)	2021	0	Single report
273	CGT	TGT	Arg	Cys	SM	RPMI-8402	687	Lymphoid leukemia	163	0.91	Single report
215	AGT	TGT	Ser	Cys	SM	DEL	6	Malignant histiocytosis	2249	25.48	Mutation in COSMIC database
175	CGC	CAC	Arg	His	SM	A	1187	Malignant Mesothelioma	69	12.41	Single report
245	GGC	GAC	Gly	Asp	SM	D	171	Malignant Mesothelioma	69	1.95	Single report
245	GGC	AGC	Gly	Ser	SM	JMN	440	Malignant Mesothelioma	138	0	Single report
278	CCT	TCT	Pro	Ser	SM	M15	87	Malignant Mesothelioma	138	0.34	Single report
147	GTT	GGT	Val	Gly	SM	Mino	8	Mantle Cell Lymphoma	1842	10.49	Single report
242	TGC	TTC	Cys	Phe	SM	Daoy	88	Meduloblastoma	73	13.79	Confirmed in two other publications
275	TGT	GGT	Cys	Gly	SM	PFSK-1	11	Meduloblastoma	2249	0.62	Mutation in COSMIC database
247	AAC	ACC	Asn	Thr	DMU	8823	6	Melanoma	1158	0.12	Single report
248	CGG	TGG	Arg	Trp	DMU	8823	728	Melanoma	1158	0	Single report
246	ATG	AGG	Met	Arg	SM	136-2	13	Melanoma	1158	2.86	Single report
236	TAC	CAC	Tyr	His	SM	1402P	13	Melanoma	1927	14.28	Single report
258	GAA	AAA	Glu	Lys	SM	14362M	73	Melanoma	1927	0.31	Single report
278	CCT	TCT	Pro	Ser	SM	16396M	87	Melanoma	1927	0.34	Single report
234	TAC	TGC	Tyr	Cys	SM	17697M	133	Melanoma	1927	2.14	Single report
187	GGT	AGT	Gly	Ser	SM	20842P	12	Melanoma	1927	51.53	Single report
127	TCC	TGC	Ser	Cys	SM	2211M	3	Melanoma	1927	5.32	Single report
175	CGC	CAC	Arg	His	SM	30966M	1187	Melanoma	1927	12.41	Single report
127	TCC	TTC	Ser	Phe	SM	4686M	30	Melanoma	1927	12.47	Single report
213	CGA	CAA	Arg	Gln	SM	518A2	38	Melanoma	1158	2.19	Single report
238	TGT	TAT	Cys	Tyr	SM	607B	98	Melanoma	1158	14.58	Single report
274	GTT	TTT	Val	Phe	SM	A2058	32	Melanoma	2249	0.84	Mutation in COSMIC database
249	AGG	GGG	Arg	Gly	SM	A4-FUK	52	Melanoma	2249	0.17	Mutation in COSMIC database
248	CGG	TGG	Arg	Trp	SM	BE	728	Melanoma	2068	0	Single report
193	CAT	CGT	His	Arg	SM	CHL-1	86	Melanoma	2249	10.15	Mutation in COSMIC database
135	TGC	CGC	Cys	Arg	SM	COLO-800	11	Melanoma	2249	0.86	Mutation in COSMIC database

Cos.	WT	Mut		Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
278	CCT	CGT	Pro	Arg	SM	DX-3	39	Melanoma	347	0.72	Single report
268	AAC	ATC	Asn	Ile	SM	HMV-II	2	Melanoma	2249	0.92	Mutation in COSMIC database
229	TGT	del2b	Cys	Fs.	SM	IGR39D	6	Melanoma	1158	NA	Single report
213	CGA	TGA	Arg	Stop	SM	IPC-298	306	Melanoma	2249	NA	Mutation in COSMIC database
247	AAC	AAA	Asn	Lys	SM	IST-MEL1	4	Melanoma	2249	54.76	Mutation in COSMIC database
248	CGG	TGG	Arg	Trp	SM	IST-MEL1	728	Melanoma	2249	0	Mutation in COSMIC database
266	GGA	GAA	Gly	Glu	SM	M14	74	Melanoma	1018	0	Single report
258	GAA	AAA	Glu	Lys	DMU	MeWo	73	Melanoma	2249	0.31	Controversy with other publications
258	GAA	AAA	Glu	Lys	SM	MeWo	73	Melanoma	1076	0.31	Controversy with other publications
317	CAG	TAG	Gln	Stop	DMU	MeWo	25	Melanoma	2249	NA	Controversy with other publications
341	TTC	TTT	Phe	Phe	SM	MeWo	4	Melanoma	2019	NR	Controversy with other publications
342	CGA	TGA	Arg	Stop	SM	MeWo	74	Melanoma	2019	NA	Controversy with other publications
280	AGA	GGA	Arg	Gly	SM	MLMA	40	Melanoma	2249	21.11	Mutation in COSMIC database
248	CGG	CAG	Arg	Gln	SM	MM229	883	Melanoma	1158	0	Single report
290	CGC	CAC	Arg	His	SM	MM386	31	Melanoma	1158	67.3	Single report
163	TAC	TGC	Tyr	Cys	SM	MRI-H-221	140	Melanoma	1023	18.3	Single report
241	TCC	CCC	Ser	Pro	SM	NZM4	11	Melanoma	1638	0.48	Single report
166	TCA	TGA	Ser	Stop	SM	RPMI-7951	18	Melanoma	1570	NA	Single report
75	CCT	CCC	Pro	Pro	MM	SK-MEL-110	1	Melanoma	2019	NR	Single report
76	GCA	ACA	Ala	Thr	MM	SK-MEL-110	2	Melanoma	2019	69.34	Single report
104	CAG	CAC	Gln	His	MM	SK-MEL-110	2	Melanoma	2019	13.83	Single report
155	ACC	AGC	Thr	Ser	MM	SK-MEL-110	5	Melanoma	2019	51.83	Single report
289	CTC	TTC	Leu	Phe	MM	SK-MEL-110	5	Melanoma	2019	111.25	Single report
296	CAC	TAC	His	Tyr	MM	SK-MEL-110	7	Melanoma	2019	90.77	Single report
61	GAT	GTT	Asp	Val	SM	SK-MEL-136	1	Melanoma	2019	85.98	Single report
104	CAG	TAG	Gln	Stop	SM	SK-MEL-146	18	Melanoma	2019	NA	Single report
125	ACG	del2b	Thr	Fs.	SM	SK-MEL-149	1	Melanoma	2019	NA	Single report
245	GGC	AGC	Gly	Ser	SM	SK-MEL-2	440	Melanoma	1018	0	Single report
145	CTG	CGG	Leu	Arg	SM	SK-MEL-28	10	Melanoma	1018	12.61	Single report
258	GAA	AAA	Glu	Lys	SM	SK-MEL-29	73	Melanoma	2019	0.31	Single report
267	CGG	TGG	Arg	Trp	SM	SK-MEL-3	37	Melanoma	2249	1.68	Mutation in COSMIC database
273	CGT	CAT	Arg	His	DMU	SK-MEL-30	780	Melanoma	2249	1.01	Mutation in COSMIC database
283	CGC	del2c	Arg	Fs.	DMU	SK-MEL-30	1	Melanoma	2249	NA	Mutation in COSMIC database
340	ATG	ATA	Met	Ile	SM	SK-MEL-37	1	Melanoma	2019	53.77	Single report

Cos.	WT	Mut	\	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
295	CCT	GCT	Pro	Ala	SM	SK-MEL-93/4	1	Melanoma	2019	91.58	Single report
195	ATC	ACC	Ile	Thr	SM	UISO-MEL-11	90	Melanoma	2020	11.24	Single report
177	CCC	del18c	Pro	InF	SM	UISO-MEL-23	1	Melanoma	2020	NA	Single report
220	TAT	TGT	Tyr	Cys	SM	WM164	336	Melanoma	233	1.21	Single report
241	TCC	TTC	Ser	Phe	SM	WM852	101	Melanoma	233	0	Single report
278	CCT	TTT	Pro	Phe	SM	WM983	9	Melanoma	233	NR	Single report
241	TCC	TTT	Ser	Phe	DMU	MCC13	6	Merkel cell carcinoma	2088	0	Single report
278	CCT	TCT	Pro	Ser	DMU	MCC13	87	Merkel cell carcinoma	2088	0.34	Single report
272	GTG	GAG	Val	Glu	SM	MCC14/2	12	Merkel cell carcinoma	2088	11.52	Single report
248	CGG	CAG	Arg	Gln	SM	BT	883	Mesothelioma	1892	0	Single report
248	CGG	CAG	Arg	Gln	SM	MA18	883	Mesothelioma	1574	0	Single report
255	ATC	del6b	Ile	InF	SM	MEF-1	2	Multiple Myeloma	1363	NA	Single report
248	CGG	CAG	Arg	Gln	SM	SKM-1	883	Myelodysplastic synd.	1363	0	Single report
175	CGC	CAC	Arg	His	SM	KY821	1187	Myeloid leukemia	126	12.41	wt in COSMIC
251	ATC	DEL1B	Ile	Fs.	SM	TF-1	5	Myeloid leukemia	126	NA	Single report
174	AGG	DEL26A	Arg	Fs.	SM	THP-1	1	Myeloid leukemia	126	NA	Confirmed in another publication
172	GTT	DEL46A	Val	Fs.	SM	U937	2	Myeloid leukemia	126	NA	Single report
261	AGT	DEL99A	Ser	InF	SM	UT7	1	Myeloid leukemia	126	NA	Single report
273	CGT	CAT	Arg	His	SM	ARH-77	780	Myeloma	2249	1.01	Mutation in COSMIC database
132	AAG	AAC	Lys	Asn	SM	EJM	33	Myeloma	98	10.49	Single report
143	GTG	ATG	Val	Met	SM	HD-70	34	Myeloma	1004	10.31	Single report
337	CGC	CTC	Arg	Leu	SM	KMS-12-PE	9	Myeloma	2249	10.45	Mutation in COSMIC database
261	AGT	ACT	Ser	Thr	SM	L-363	1	Myeloma	2249	96.18	Mutation in COSMIC database
184	GAT	TAT	Asp	Tyr	SM	LB 831	5	Myeloma	98	58.13	Single report
286	GAA	AAA	Glu	Lys	SM	LP-1	86	Myeloma	2249	11.07	Mutation in COSMIC database
285	GAG	AAG	Glu	Lys	SM	RPMI-8226	165	Myeloma	98	0.58	Single report
161	GCC	ACC	Ala	Thr	SM	U266	75	Myeloma	98	13.25	Single report
126	TAC	AAC	Tyr	Asn	SM	XG-1	6	Myeloma	98	12.03	Single report
176	TGC	TAC	Cys	Tyr	SM	XG-2	88	Myeloma	98	14.82	Single report
181	CGC	TGC	Arg	Cys	SM	XG-4	28	Myeloma	98	26.1	Single report
282	CGG	TGG	Arg	Trp	SM	XG-5	600	Myeloma	98	0.55	Single report
280	AGA	ACA	Arg	Thr	SM	CNE-1	92	Nasopharyngeal carcinoma	108	0.29	Confirmed in two other publications
280	AGA	ACA	Arg	Thr	SM	CNE-2	92	Nasopharyngeal carcinoma	108	0.29	Confirmed in another publication

Cos.	WT	Mut	\	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
130	CTC	GTC	Leu	Val	SM	NPC/HK1	22	Nasopharyngeal carcinoma	145	8.89	Single report
113	TTC	TCC	Phe	Ser	SM	ACN	3	Neuroblastoma	2249	12.37	Mutation in COSMIC database
342	CGA	CTA	Arg	Leu	SM	CHLA-119	1	Neuroblastoma	1774	65.63	Single report
286	GAA	AAA	Glu	Lys	SM	CHLA-172	86	Neuroblastoma	1774	11.07	Single report
286	GAA	AAA	Glu	Lys	SM	CHLA-90	86	Neuroblastoma	1774	11.07	Single report
182	TGC	TGA	Cys	Stop	SM	LAN1	6	Neuroblastoma	93	NA	Single report
173	GTG	ATG	Val	Met	SM	NB13	77	Neuroblastoma	2249	10.53	Mutation in COSMIC database
175	CGC	CAC	Arg	His	SM	NB16	1187	Neuroblastoma	2249	12.41	Mutation in COSMIC database
177	CCC	ACC	Pro	Thr	SM	NB19	1	Neuroblastoma	2249	18.58	Mutation in COSMIC database
176	TGC	TTC	Cys	Phe	SM	NB-SD	191	Neuroblastoma	1190	22.88	Single report
245	GGC	AGC	Gly	Ser	SM	NMB	440	Neuroblastoma	1772	0	Single report
176	TGC	TTC	Cys	Phe	SM	SJNB-4	191	Neuroblastoma	1772	22.88	Single report
135	TGC	TTC	Cys	Phe	SM	SK-N-BE(2)	52	Neuroblastoma	1772	10.37	Single report
110	CGT	CTT	Arg	Leu	SM	SK-N-DZ	28	Neuroblastoma	2249	12.26	Mutation in COSMIC database
246	ATG	AGG	Met	Arg	SM	SK-N-FI	13	Neuroblastoma	2249	2.86	Mutation in COSMIC database
282	CGG	del3a	Arg	InF	SM	TGW	1	Neuroblastoma	2096	NA	Single report
233	CAC	ins4b	His	Fs.	SM	CHP-100	1	Neuroepithelioma	93	NA	Single report
238	TGT	CGT	Cys	Arg	SM	HA1	26	Ni(II)	83	0.48	Single report
248	CGG	TGG	Arg	Trp	SM	KHYG-1	728	NK-Leukemia	1125	0	Single report
282	CGG	TGG	Arg	Trp	SM	AHH-1	600	None	1127	0.55	Single report
237	ATG	ATA	Met	Ile	SM	WTK1	123	None	879	0.43	Single report
237	ATG	ATA	Met	Ile	DMD	OCI-Ly4	123	Non-Hodgkin's Lymphomas	517	0.43	Single report
248	CGG	CAG	Arg	Gln	DMD	OCI-Ly4	883	Non-Hodgkin's Lymphomas	517	0	Single report
248	CGG	CAG	Arg	Gln	SM	WSU-NHL	883	Non-Hodgkin's Lymphomas	2249	0	Mutation in COSMIC database
156	CGC	CCC	Arg	Pro	SM	HOS	38	Osteosarcoma	25	8.22	Confirmed in another publication
306	CGA	TGA	Arg	Stop	SM	HOSM-2	160	Osteosarcoma	1920	NA	Single report
76	GCA	ins1a	Ala	Fs.	SM	HuO-3N1	1	Osteosarcoma	2249	NA	Mutation in COSMIC database
286	GAA	AAA	Glu	Lys	SM	OH	86	Osteosarcoma	272	11.07	Single report
250	CCC	del8	Pro	Fs.	SM	RIT-1B	1	Osteosarcoma	65	NA	Single report
245	GGC	AGC	Gly	Ser	SM	RIT2	440	Osteosarcoma	65	0	Single report
99	TCC	del2b	Ser	Fs.	SM	6	1	Ovarian carcinoma	376	NA	Single report
316	CCC	CCT	Pro	Pro	SM	222	6	Ovarian carcinoma	798	NR	Single report
273	CGT	CAT	Arg	His	SM	2774	780	Ovarian carcinoma	798	1.01	Single report
172	GTT	TTT	Val	Phe	SM	2780CP	19	Ovarian carcinoma	963	8.17	Single report
193	CAT	CTT	His	Leu	SM	A. P.	55	Ovarian carcinoma	1011	11.02	Single report

Cos.	WT	Mut		Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
172	GTT	TTT	Val	Phe	SM	A2780-CP-20	19	Ovarian carcinoma	798	8.17	Single report
196	CGA	TGA	Arg	Stop	SM	C. P./1	241	Ovarian carcinoma	1011	NA	Single report
193	CAT	CGT	His	Arg	SM	C. V.	86	Ovarian carcinoma	1011	10.15	Single report
136	CAA	TAA	Gln	Stop	SM	Caov-3	47	Ovarian carcinoma	144	NA	Single report
147	GTT	GAT	Val	Asp	SM	Caov-4	7	Ovarian carcinoma	144	11.64	Single report
213	CGA	TGA	Arg	Stop	SM	DDL11	306	Ovarian carcinoma	1011	NA	Single report
124	TGC	CGC	Cys	Arg	SM	EFO-21	4	Ovarian carcinoma	2249	8.62	Mutation in COSMIC database
273	CGT	TGT	Arg	Cys	SM	EFO-27	687	Ovarian carcinoma	2249	0.91	Mutation in COSMIC database
143	GTG	del32	Val	Fs.	SM	EG	1	Ovarian carcinoma	798	NA	Single report
195	ATC	ACC	Ile	Thr	SM	F. P.	90	Ovarian carcinoma	1011	11.24	Single report
194	CTT	CGT	Leu	Arg	SM	G. C.	66	Ovarian carcinoma	1011	10.61	Single report
306	CGA	TGA	Arg	Stop	SM	G. M.	160	Ovarian carcinoma	1011	NA	Single report
282	CGG	TGG	Arg	Trp	SM	GBM	600	Ovarian carcinoma	1011	0.55	Single report
126	TAC	TGC	Tyr	Cys	SM	IGROV-1	17	Ovarian carcinoma	2249	11.62	wt in two other publications
270	TTT	TTA	Phe	Leu	DMD	IGROV-1/Pt	7	Ovarian carcinoma	606	8.14	Single report
282	CGG	TGG	Arg	Trp	DMD	IGROV-1/Pt	600	Ovarian carcinoma	606	0.55	Single report
281	GAC	TAC	Asp	Tyr	SM	KURAMOCHI	16	Ovarian carcinoma	144	7.28	Single report
126	TAC	del21a	Tyr	InF	SM	NCI/ADR-RES	6	Ovarian carcinoma	983	NA	Single report
273	CGT	CAT	Arg	His	SM	OC-314	780	Ovarian carcinoma	2249	1.01	Mutation in COSMIC database
215	AGT	CGT	Ser	Arg	SM	OV 90	4	Ovarian carcinoma	1165	1.17	Single report
126	TAC	TGC	Tyr	Cys	SM	OV1P	17	Ovarian carcinoma	925	11.62	Single report
277	TGT	TTT	Cys	Phe	SM	OVCA 432	48	Ovarian carcinoma	1011	0.31	Single report
248	CGG	CAG	Arg	Gln	SM	OVCAR-3	883	Ovarian carcinoma	144	0	Single report
130	CTC	GTC	Leu	Val	SM	OVCAR-4	22	Ovarian carcinoma	2249	8.89	wt in another publication
224	GAG	ins3	Glu	InF	SM	OVCAR-5	1	Ovarian carcinoma	864	NA	wt in COSMIC
126	TAC	del18	Tyr	InF	SM	OVCAR-8	1	Ovarian carcinoma	864	NA	Single report
239	AAC	GAC	Asn	Asp	SM	PA-1	53	Ovarian carcinoma	854	20.19	Controversy with other publications. wt in COSMIC
316	CCC	CCT	Pro	Pro	SM	PA-1	6	Ovarian carcinoma	144	NR	Controversy with other publications. wt in COSMIC
195	ATC	ACC	Ile	Thr	SM	PM1015	90	Ovarian carcinoma	798	11.24	Single report
275	TGT	TAT	Cys	Tyr	SM	R. B.	87	Ovarian carcinoma	1011	0.42	Single report
273	CGT	CAT	Arg	His	SM	S. P.	780	Ovarian carcinoma	1011	1.01	Single report
89	CCC	del1a	Pro	Fs.	SM	SK-OV-3	3	Ovarian carcinoma	2249	NA	Controversy with other publications
179	CAT	CGT	His	Arg	SM	SK-OV-3	146	Ovarian carcinoma	1018	13.02	Controversy with other publications
262	GGT	GTT	Gly	Val	SM	SW626	14	Ovarian carcinoma	864	11.71	Controversy with other publications

Cos.	WT	Mut		Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
273	CGT	CAT	Arg	His	SM	SW626	780	Ovarian carcinoma	1011	1.01	Controversy with other publications
175	CGC	CAC	Arg	His	SM	TOV 112D	1187	Ovarian carcinoma	1165	12.41	Single report
175	CGC	CAC	Arg	His	SM	TYK-nu	1187	Ovarian carcinoma	2249	12.41	Mutation in COSMIC database
176	TGC	AGC	Cys	Ser	SM	8902	17	Pancreatic cancer	428	13.27	Single report
151	CCC	TCC	Pro	Ser	SM	8988S	92	Pancreatic cancer	428	0.85	Single report
134	TTT	del1a	Phe	Fs.	SM	AsPC-1	4	Pancreatic cancer	397	NA	Consensus based on four publications. Controversy with other publications
273	CGT	CAT	Arg	His	SM	ASPC-1	780	Pancreatic cancer	132	1.01	Controversy with other publications. Excluded from the consensus
197	GTG	TTG	Val	Leu	SM	BI	5	Pancreatic cancer	1653	12.36	Single report
275	TGT	TAT	Cys	Tyr	SM	BJ	87	Pancreatic cancer	1653	0.42	Single report
220	TAT	TGT	Tyr	Cys	SM	BxPC-3	336	Pancreatic cancer	176	1.21	Consensus based on six publications. A single publication decsribes a second mutation (neutral mutation)
159	GCC	GTC	Ala	Val	SM	CAPAN-1	50	Pancreatic cancer	177	6.91	Confirmed in two other publications. wt in COSMIC
273	CGT	CAT	Arg	His	SM	capan-2	780	Pancreatic cancer	132	1.01	wt in COSMIC
242	TGC	CGC	Cys	Arg	SM	CFPAC-1	14	Pancreatic cancer	397	0	Single report
175	CGC	CAC	Arg	His	SM	FAMPAC	1187	Pancreatic cancer	2116	12.41	Single report
272	GTG	TTG	Val	Leu	SM	Ger	39	Pancreatic cancer	1653	7.06	Single report
262	GGT	GTT	Gly	Val	SM	H-74	14	Pancreatic cancer	1689	11.71	Single report
151	CCC	TCC	Pro	Ser	SM	HPAF-II	92	Pancreatic cancer	177	0.85	Confirmed in another publication
266	GGA	GAA	Gly	Glu	SM	HPC-Y19	74	Pancreatic cancer	440	0	Single report
193	CAT	CGT	His	Arg	SM	HPC-Y21	86	Pancreatic cancer	440	10.15	Single report
152	CCG	del1a	Pro	Fs.	SM	HPC-YO	3	Pancreatic cancer	440	NA	Single report
249	AGG	ATG	Arg	Met	SM	Hs 700T	64	Pancreatic cancer	132	0	Confirmed in another publication
181	CGC	CAC	Arg	His	SM	HS766T	34	Pancreatic cancer	132	34.07	Single report
282	CGG	TGG	Arg	Trp	SM	HuP-T3	600	Pancreatic cancer	2249	0.55	Mutation in COSMIC database
255	ATC	ACC	Ile	Thr	SM	HuP-T4	19	Pancreatic cancer	2249	11.89	Mutation in COSMIC database
130	CTC	GTC	Leu	Val	SM	IMIM-PC-1	22	Pancreatic cancer	177	8.89	Single report
306	CGA	TGA	Arg	Stop	SM	IMIM-PC-2	160	Pancreatic cancer	177	NA	Single report
132	AAG	AGG	Lys	Arg	SM	MCC1	51	Pancreatic cancer	2000	14.1	Single report
273	CGT	TGT	Arg	Cys	SM	MDA-Panc3	687	Pancreatic cancer	1653	0.91	Single report
248	CGG	TGG	Arg	Trp	SM	MIA PaCa-2	728	Pancreatic cancer	177	0	Confirmed in four other publications
209	AGA	del2b	Arg	Fs.	SM	MZ1-PC	14	Pancreatic cancer	2249	NA	Mutation in COSMIC database

Cos.	WT	Mut	\	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
282	CGG	TGG	Arg	Trp	SM	MZ-PC-2	600	Pancreatic cancer	177	0.55	Single report
135	TGC	TGG	Cys	Trp	SM	MZ-PC-4	25	Pancreatic cancer	177	12.8	Single report
282	CGG	GGG	Arg	Gly	SM	PAN-03-JCK	48	Pancreatic cancer	1556	0.44	Single report
220	TAT	TGT	Tyr	Cys	SM	Panc 89	336	Pancreatic cancer	176	1.21	Single report
273	CGT	CAT	Arg	His	SM	Panc-1	780	Pancreatic cancer	178	1.01	Consensus based on four publications. Controversy with one publication
273	CGT	TGT	Arg	Cys	SM	Panc-1	687	Pancreatic cancer	177	0.91	Controversy with other publications. Excluded from the cosnensus
255	ATC	AAC	Ile	Asn	SM	PANC-10-05	6	Pancreatic cancer	2249	6.97	Mutation in COSMIC database
176	TGC	AGC	Cys	Ser	SM	Panc-TU-I	17	Pancreatic cancer	176	13.27	Confirmed in another publication
175	CGC	CAC	Arg	His	SM	PC	1187	Pancreatic cancer	1653	12.41	Single report
176	TGC	AGC	Cys	Ser	SM	PC-44	17	Pancreatic cancer	428	13.27	Single report
237	ATG	ATA	Met	Ile	SM	PCI-55	123	Pancreatic cancer	1556	0.43	Single report
237	ATG	ATA	Met	Ile	SM	PK-1	123	Pancreatic cancer	1556	0.43	Single report
167	CAG	TAG	Gln	Stop	SM	PK-8	40	Pancreatic cancer	1556	NA	Single report
213	CGA	TGA	Arg	Stop	SM	PK-9	306	Pancreatic cancer	1556	NA	Single report
255	ATC	ACC	Ile	Thr	SM	PL 45	19	Pancreatic cancer	965	11.89	Single report
132	AAG	CAG	Lys	Gln	SM	PSN1	14	Pancreatic cancer	38	10.86	Single report
280	AGA	AAA	Arg	Lys	SM	PT45	78	Pancreatic cancer	178	0.46	Single report
175	CGC	CAC	Arg	His	SM	RWP-2	1187	Pancreatic cancer	177	12.41	Single report
282	CGG	TGG	Arg	Trp	SM	SK-PC-1	600	Pancreatic cancer	177	0.55	Single report
179	CAT	CGT	His	Arg	SM	SK-PC-3	146	Pancreatic cancer	177	13.02	Single report
175	CGC	CAC	Arg	His	SM	SNU-213	1187	Pancreatic cancer	1491	12.41	Single report
238	TGT	TAT	Cys	Tyr	SM	SNU-494	98	Pancreatic cancer	1491	14.58	Single report
245	GGC	AGC	Gly	Ser	SM	SU86.86	440	Pancreatic cancer	397	0	Confirmed in another publication
273	CGT	CAT	Arg	His	SM	Suit-2	780	Pancreatic cancer	1653	1.01	Single report
220	TAT	TGT	Tyr	Cys	SM	T3M4	336	Pancreatic cancer	1653	1.21	Single report
273	CGT	CAT	Arg	His	SM	UK Pan-1	780	Pancreatic cancer	659	1.01	Single report
179	CAT	CGT	His	Arg	SM	YAPC	146	Pancreatic cancer	2249	13.02	Mutation in COSMIC database
215	AGT	del3a	Ser	InF	SM	MHH-ES-1	1	Pelvic carcinoma	2249	NA	Mutation in COSMIC database
273	CGT	CAT	Arg	His	SM	HS-Sch-2	780	Peripheral nerve Sheath Tumors	2078	1.01	Single report
138	GCC	del1	Ala	Fs.	SM	1LN	5	Prostate ca.	220	NA	Single report
331	CAG	CGG	Gln	Arg	SM	22Rv1	3	Prostate ca.	1991	67.76	wt in COSMIC
196	CGA	TGA	Arg	Stop	SM	ARCaP	241	Prostate ca.	1991	NA	Single report
273	CGT	CAT	Arg	His	DMU	CWR-R1	780	Prostate ca.	1991	1.01	Single report

Cos.	WT	Mut		Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
331	CAG	CGG	Gln	Arg	DMU	CWR-R1	3	Prostate ca.	1991	67.76	Single report
223	CCT	CTT	Pro	Leu	DMD	DU-145	5	Prostate ca.	59	8.54	Consensus based on three publications. Controvery withy other publications (only one of the two mutations is found)
274	GTT	TTT	Val	Phe	DMD	DU-145	32	Prostate ca.	59	0.84	Consensus based on three publications. Controvery withy other publications (only one of the two mutations is found)
248	CGG	TGG	Arg	Trp	SM	DuCaP	728	Prostate ca.	1991	0	Single report
138	GCC	del1	Ala	Fs.	SM	Dupro	5	Prostate ca.	220	NA	Single report
175	CGC	CAC	Arg	His	SM	LAPC-4	1187	Prostate ca.	1991	12.41	Single report
152	CCG	CCA	Pro	Pro	SM	LNCaP-ATCC	13	Prostate ca.	316	NR	Confirmed in another publication
152	CCG	CCA	Pro	Pro	DMU	LNCaP-GW	13	Prostate ca.	316	NR	Single report
273	CGT	CAT	Arg	His	DMU	LNCaP-GW	780	Prostate ca.	316	1.01	Single report
196	CGA	TGA	Arg	Stop	SM	MDA-PCa1	241	Prostate ca.	1991	NA	Single report
138	GCC	del1	Ala	Fs.	SM	PC-3	5	Prostate ca.	59	NA	Confirmed in two other publications
279	GGG	GAG	Gly	Glu	SM	PSK-1	42	Prostate ca.	1991	0.27	Single report
126	TAC	TAG	Tyr	Stop	SM	TSU	14	Prostate ca.	59	NA	Single report
248	CGG	TGG	Arg	Trp	SM	VCaP	728	Prostate ca.	1991	0	Single report
276	GCC	GAC	Ala	Asp	SM	1	12	Renal cell ca.	1564	0.42	Single report
306	CGA	CAA	Arg	Gln	SM	2	1	Renal cell ca.	1564	18.22	Single report
273	CGT	CAT	Arg	His	SM	4	780	Renal cell ca.	1564	1.01	Single report
290	CGC	CAC	Arg	His	SM	6	31	Renal cell ca.	1564	67.3	Single report
176	TGC	TTC	Cys	Phe	SM	9	191	Renal cell ca.	1564	22.88	Single report
249	AGG	del1	Arg	Fs.	SM	107	6	Renal cell ca.	214	NA	Single report
173	GTG	GGG	Val	Gly	SM	110	15	Renal cell ca.	214	2.64	Single report
173	GTG	GGG	Val	Gly	SM	111	15	Renal cell ca.	214	2.64	Single report
275	TGT	TAT	Cys	Tyr	SM	121	87	Renal cell ca.	214	0.42	Single report
316	CCC	del1	Pro	Fs.	SM	123	1	Renal cell ca.	214	NA	Single report
273	CGT	CAT	Arg	His	SM	124	780	Renal cell ca.	214	1.01	Single report
248	CGG	CAG	Arg	Gln	SM	154	883	Renal cell ca.	214	0	Single report
275	TGT	TAT	Cys	Tyr	SM	121LN	87	Renal cell ca.	214	0.42	Single report
294	GAG	TAG	Glu	Stop	SM	122LN	54	Renal cell ca.	214	NA	Single report
278	CCT	GCT	Pro	Ala	DMU	786-0	24	Renal cell ca.	1018	14.87	Controversy with other publications. Splice in COSMIC
258	GAA	TAA	Glu	Stop	SM	A704	29	Renal cell ca.	2249	NA	Mutation in COSMIC database

Cos.	WT	Mut	\	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
176	TGC	TTC	Cys	Phe	SM	KRC/Y	191	Renal cell ca.	635	22.88	Single report
260	TCC	ins2a	Ser	Fs.	SM	RCC23	1	Renal cell ca.	468	NA	Single report
175	CGC	CAC	Arg	His	SM	RXF393	1187	Renal cell ca.	1018	12.41	Confirmed in COSMIC database
336	GAG	TAG	Glu	Stop	SM	SN12C	5	Renal cell ca.	1018	NA	Confirmed in COSMIC database
219	CCC	del1a	Pro	Fs.	SM	SNU-267	10	Renal cell ca.	1404	NA	Single report
264	CTA	CGA	Leu	Arg	SM	TK10	8	Renal cell ca.	1018	0.8	Confirmed in COSMIC database
252	CTC	del9	Leu	InF	SM	VMRC-RCZ	4	Renal cell ca.	1006	NA	wt in COSMIC
98	CCT	TCT	Pro	Ser	SM	WERI-Rb-1	4	Retinoblastoma	2249	4.84	Mutation in COSMIC database
219	CCC	del4	Pro	Fs.	SM	ctr	1	Rhabdomyosarcoma	97	NA	Single report
248	CGG	TGG	Arg	Trp	SM	RD	728	Rhabdomyosarcoma	14	0	Confirmed in another publication. wt in COSMIC
273	CGT	TGT	Arg	Cys	SM	Rh30	687	Rhabdomyosarcoma	1190	0.91	Controversy with other publications
280	AGA	AGT	Arg	Ser	SM	RH30	14	Rhabdomyosarcoma	97	20.55	Controversy with other publications
156	CGC	CCC	Arg	Pro	SM	RMS	38	Rhabdomyosarcoma	14	8.22	Single report
316	CCC	CCT	Pro	Pro	SM	GCT	6	Sarcoma	2249	NR	Mutation in COSMIC database
317	CAG	TAG	Gln	Stop	SM	GCT	25	Sarcoma	2249	NA	Mutation in COSMIC database
326	GAA	TAA	Glu	Stop	SM	S-117	9	Sarcoma	2249	NA	Mutation in COSMIC database
179	CAT	TAT	His	Tyr	DMD	HaCaT	128	Skin Keratinocytes (immortalized)	244	13.27	Single report
281	GAC	GAT	Asp	Asp	DMD	HaCaT	29	Skin Keratinocytes (immortalized)	244	NR	Single report
282	CGG	TGG	Arg	Trp	DMD	HaCaT	600	Skin Keratinocytes (immortalized)	244	0.55	Single report
132	AAG	AAT	Lys	Asn	SM	SCSC	23	Spindle Cell SCC	2231	10.49	Single report
175	CGC	CAC	Arg	His	DMD	CCRF-CEM	1187	T-cell Acute Lymphoblastic Leu	3	12.41	Confirmed in two other publications
248	CGG	CAG	Arg	Gln	DMD	CCRF-CEM	883	T-cell Acute Lymphoblastic Leu	3	0	Confirmed in two other publications
37	TCC	CCC	Ser	Pro	MM	CCRF-CEM-VLB100	1	T-cell Acute Lymphoblastic Leu	1703	65.94	Single report
175	CGC	CAC	Arg	His	MM	CCRF-CEM-VLB100	1187	T-cell Acute Lymphoblastic Leu	1703	12.41	Single report
248	CGG	CAG	Arg	Gln	MM	CCRF-CEM-VLB100	883	T-cell Acute Lymphoblastic Leu	1703	0	Single report
196	CGA	TGA	Arg	Stop	DMU	J-RT3-T3-5	241	T-cell Acute Lymphoblastic Leu	2249	NA	Mutation in COSMIC database
360	GGG	del1a	Gly	Fs.	DMU	J-RT3-T3-5	2	T-cell Acute Lymphoblastic Leu	2249	NA	Mutation in COSMIC database
196	CGA	TGA	Arg	Stop	MM	JURKAT	241	T-cell Acute Lymphoblastic Leu	3	NA	Single report
256	ACA	GCA	Thr	Ala	MM	JURKAT	9	T-cell Acute Lymphoblastic Leu	3	10.79	Single report
259	GAC	GGC	Asp	Gly	MM	JURKAT	6	T-cell Acute Lymphoblastic Leu	3	17.27	Single report
260	TCC	GCC	Ser	Ala	MM	JURKAT	4	T-cell Acute Lymphoblastic Leu	3	66.25	Single report
272	GTG	ATG	Val	Met	SM	Loucy	105	T-cell Acute Lymphoblastic Leu	1510	8.79	Single report

Cos.	WT	Mut	\	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
273	CGT	CAT	Arg	His	SM	MOLT-13	780	T-cell Acute Lymphoblastic Leu	2249	1.01	Mutation in COSMIC database
237	ATG	AGG	Met	Arg	DMU	MOLT-16	8	T-cell Acute Lymphoblastic Leu	3	5.71	wt in COSMIC
244	GGC	TGC	Gly	Cys	DMU	MOLT-16	53	T-cell Acute Lymphoblastic Leu	3	0	wt in COSMIC
111	CTG	GTG	Leu	Val	SM	MOLT-4	1	T-cell Acute Lymphoblastic Leu	2242	26.49	Controversy with other publications
248	CGG	CAG	Arg	Gln	SM	MOLT-4	883	T-cell Acute Lymphoblastic Leu	27	0	Controversy with other publications
306	CGA	TGA	Arg	Stop	SM	MOLT-4	160	T-cell Acute Lymphoblastic Leu	2249	NA	Controversy with other publications
11	GAG	CAG	Glu	Gln	MM	P12-ICHIKAWA	10	T-cell Acute Lymphoblastic Leu	2249	67.48	Mutation in COSMIC database
248	CGG	CCG	Arg	Pro	MM	P12-ICHIKAWA	23	T-cell Acute Lymphoblastic Leu	2249	6.51	Mutation in COSMIC database
248	CGG	CAG	Arg	Gln	MM	P12-ICHIKAWA	883	T-cell Acute Lymphoblastic Leu	2249	0	Mutation in COSMIC database
273	CGT	TGT	Arg	Cys	SM	PF-382	687	T-cell Acute Lymphoblastic Leu	2249	0.91	Mutation in COSMIC database
248	CGG	CAG	Arg	Gln	MM	SUP-T1	883	T-cell Acute Lymphoblastic Leu	2249	0	Mutation in COSMIC database
267	CGG	CTG	Arg	Leu	MM	SUP-T1	1	T-cell Acute Lymphoblastic Leu	2249	3.41	Mutation in COSMIC database
273	CGT	CAT	Arg	His	MM	SUP-T1	780	T-cell Acute Lymphoblastic Leu	2249	1.01	Mutation in COSMIC database
278	CCT	TCT	Pro	Ser	SM	ATL1K	87	T-cell leukemia	82	0.34	Single report
175	CGC	GGC	Arg	Gly	SM	HATL	27	T-cell leukemia	323	10.52	Single report
176	TGC	TAC	Cys	Tyr	SM	MT1	88	T-cell leukemia	82	14.82	Single report
196	CGA	TGA	Arg	Stop	SM	HUT78	241	T-cell Lymphoma	3	NA	Single report
272	GTG	del1a	Val	Fs.	SM	NCCIT	3	Testicular ca.	999	NA	Single report
273	CGT	CAT	Arg	His	SM	8305C	780	Thyroid Carcinoma	1006	1.01	Single report
248	CGG	GGG	Arg	Gly	SM	8505C	22	Thyroid Carcinoma	155	0	Confirmed in another publication
273	CGT	CAT	Arg	His	SM	ARO	780	Thyroid Carcinoma	188	1.01	Single report
259	GAC	TAC	Asp	Tyr	SM	BCPAP	33	Thyroid Carcinoma	2249	9.92	Mutation in COSMIC database
251	ATC	ACC	Ile	Thr	SM	BHT-101	7	Thyroid Carcinoma	2249	3.27	Mutation in COSMIC database
248	CGG	CAG	Arg	Gln	SM	C 643	883	Thyroid Carcinoma	2160	0	Single report
161	GCC	GAC	Ala	Asp	SM	CAL-62	19	Thyroid Carcinoma	2249	2.42	Mutation in COSMIC database
255	ATC	AGC	Ile	Ser	SM	CGTH-W-1	7	Thyroid Carcinoma	2249	5.46	Mutation in COSMIC database
273	CGT	CAT	Arg	His	SM	FTC-133	780	Thyroid Carcinoma	84	1.01	Confirmed in another publication
152	CCG	CTG	Pro	Leu	SM	HTC-C3	91	Thyroid Carcinoma	155	9.52	Single report
245	GGC	AGC	Gly	Ser	SM	Hth 7	440	Thyroid Carcinoma	2160	0	Single report
273	CGT	CAT	Arg	His	SM	KAT 4	780	Thyroid Carcinoma	2160	1.01	Single report
192	CAG	TAG	Gln	Stop	SM	KOA2	85	Thyroid Carcinoma	1049	NA	Single report
266	GGA	GTA	Gly	Val	SM	NPA	51	Thyroid Carcinoma	188	0	Single report
273	CGT	CAT	Arg	His	SM	PTC-UC 2.2	780	Thyroid Carcinoma	780	1.01	Single report
273	CGT	CAT	Arg	His	SM	PTC-UC 4.1	780	Thyroid Carcinoma	780	1.01	Single report
223	CCT	CTT	Pro	Leu	SM	RO82-W-1	5	Thyroid Carcinoma	2249	8.54	Mutation in COSMIC database

Cos.	WT	Mut	\	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
255	ATC	AGC	Ile	Ser	SM	SW579	7	Thyroid Carcinoma	155	5.46	Single report
379	CGC	TGC	Arg	Cys	SM	TCO-1	1	Thyroid Carcinoma	2249	47.81	Mutation in COSMIC database
223	CCT	CTT	Pro	Leu	SM	WRO	5	Thyroid Carcinoma	188	8.54	Single report
135	TGC	TTC	Cys	Phe	SM	A388	52	Unknown Primary Tumor	2249	10.37	Mutation in COSMIC database
287	GAG	del1a	Glu	Fs.	SM	UPT-1	2	Unknown Primary Tumor	314	NA	Single report
162	ATC	ATG	Ile	Met	DMU	UPT-29	7	Unknown Primary Tumor	314	31.54	Single report
183	TCA	TGA	Ser	Stop	DMU	UPT-29	29	Unknown Primary Tumor	314	NA	Single report
273	CGT	CAT	Arg	His	SM	A-431	780	Vulvar SCC	153	1.01	Confirmed in two other publications
151	CCC	CAC	Pro	His	SM	CAL-39	33	Vulvar SCC	2249	10.75	Mutation in COSMIC database
266	GGA	GTA	Gly	Val	SM	SW962	51	Vulvar SCC	2249	0	Mutation in COSMIC database
248	CGG	CAG	Arg	Gln	SM	UM-SCA-1	883	Vulvar SCC	1625	0	Single report
171	GAG	TAG	Glu	Stop	SM	UM-SCV-2	25	Vulvar SCC	681	NA	Confirmed in another publication
273	CGT	TGT	Arg	Cys	DMU	UM-SCV-3	687	Vulvar SCC	681	0.91	Confirmed in another publication
314	TCC	TCT	Ser	Ser	DMU	UM-SCV-3	2	Vulvar SCC	681	NR	Confirmed in another publication
151	CCC	CAC	Pro	His	SM	UM-SCV-4	33	Vulvar SCC	681	10.75	Confirmed in another publication
155	ACC	ATC	Thr	Ile	SM	UM-SCV-5	23	Vulvar SCC	681	8.85	Single report
245	GGC	AGC	Gly	Ser	DMU	UM-SCV-7	440	Vulvar SCC	681	0	Confirmed in another publication
249	AGG	del1b	Arg	Fs.	DMU	UM-SCV-7	26	Vulvar SCC	681	NA	Confirmed in another publication
248	CGG	CAG	Arg	Gln	SM	UT-SCV-1	883	Vulvar SCC	1625	0	Single report
245	GGC	AGC	Gly	Ser	SM	SK-NEP-1	440	Wilm's tumor	2249	0	Mutation in COSMIC database

Bladder Tumors

Table I : cell lines with wt p53

Cell line	ATCC	Reference
BC16		729
HU456		729
HT1197*		729
KK47		729
RT4		561
PSI*		729
RT112		729
TCCSUP		729
UCRU-BL13		
UCRU-BL-28		
MGH-U		
UM-UC2		
UM-UC11		
UM-UC6		

mdm2 overexpression

Table II : cell lines with p53 gene deletion or rearrangement

No data

Table III : cell lines with p53 splice mutation
(exonic mutations that modify splice are listed in table IV)

No data

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
280	AGA	ACA	Arg	Thr	SM	5637	92	Bladder carcinoma	561	0.29	Confirmed in three other publications
248	CGG	CAG	Arg	Gln	SM	639-V	883	Bladder carcinoma	689	0	Single report
162	ATC	AAC	Ile	Asn	DMU	647-V	4	Bladder carcinoma	2249	3.56	Mutation in COSMIC database
336	GAG	TAG	Glu	Stop	DMU	647-V	5	Bladder carcinoma	2249	NA	Mutation in COSMIC database
241	TCC	TGC	Ser	Cys	SM	BFTC-909	36	Bladder carcinoma	564	0	wt in COSMIC
280	AGA	ACA	Arg	Thr	SM	BL-17	92	Bladder carcinoma	859	0.29	Single report
126	TAC	TAG	Tyr	Stop	SM	BT-1	14	Bladder carcinoma	689	NA	Single report
241	TCC	TTC	Ser	Phe	SM	CUBIII	101	Bladder carcinoma	729	0	Single report
158	CGC	CAC	Arg	His	SM	DSH1	105	Bladder carcinoma	2249	8.78	Mutation in COSMIC database
126	TAC	TAG	Tyr	Stop	SM	EJ	14	Bladder carcinoma	689	NA	Controversy with other publications
164	AAG	GAG	Lys	Glu	SM	EJ	25	Bladder carcinoma	729	12.39	Controversy with other publications
76	GCA	del76	Ala	Fs.	SM	FHS 738B1	1	Bladder carcinoma	561	NA	Single report
365	CAC	CGC	His	Arg	SM	HT-1197	1	Bladder carcinoma	561	39.94	wt in COSMIC
250	CCC	CTC	Pro	Leu	SM	HT-1376	53	Bladder carcinoma	561	0	Confirmed in two other publications
261	AGT	del137	Ser	Fs.	DMU	J82	1	Bladder carcinoma	2249	NA	Controversy with other publications Deletion of exon 8
271	GAG	AAG	Glu	Lys	MM	J82	38	Bladder carcinoma	561	8.55	Controversy with other publications undocumented 4th mutation (deletion 210 bp)
271	GAG	AAG	Glu	Lys	MM	J82	38	Bladder carcinoma	729	8.55	Controversy with other publications
274	GTT	TTT	Val	Phe	MM	J82	32	Bladder carcinoma	561	0.84	Controversy with other publications undocumented 4th mutation (deletion 210 bp)
274	GTT	TTT	Val	Phe	MM	J82	32	Bladder carcinoma	729	0.84	Controversy with other publications
320	AAG	AAC	Lys	Asn	MM	J82	5	Bladder carcinoma	561	30.3	Controversy with other publications undocumented 4th mutation (deletion 210 bp)
320	AAG	AAC	Lys	Asn	DMU	J82	5	Bladder carcinoma	2249	30.3	Controversy with other publications
320	AAG	AAC	Lys	Asn	MM	J82	5	Bladder carcinoma	729	30.3	Controversy with other publications
241	TCC	TAC	Ser	Tyr	SM	LB831-BLC	19	Bladder carcinoma	2249	6.57	Mutation in COSMIC database
213	CGA	TGA	Arg	Stop	SM	LD137	306	Bladder carcinoma	1163	NA	Single report
219	CCC	del1a	Pro	Fs.	SM	LD600	10	Bladder carcinoma	1163	NA	Single report
36	CCG	CCA	Pro	Pro	SM	LD605	5	Bladder carcinoma	1163	NR	Single report
245	GGC	GAC	Gly	Asp	SM	LD627	171	Bladder carcinoma	1163	1.95	Single report
280	AGA	AAA	Arg	Lys	SM	LD630	78	Bladder carcinoma	1163	0.46	Single report
248	CGG	CAG	Arg	Gln	SM	LD660	883	Bladder carcinoma	1163	0	Single report
248	CGG	CAG	Arg	Gln	SM	LD692	883	Bladder carcinoma	1163	0	Single report

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
158	CGC	CTC	Arg	Leu	SM	LD700	92	Bladder carcinoma	1163	8.19	Single report
183	TCA	TGA	Ser	Stop	DMU	RT-112	29	Bladder carcinoma	2249	NA	Controversy with other publications
248	CGG	CAG	Arg	Gln	SM	RT-112	883	Bladder carcinoma	1733	0	Controversy with other publications
248	CGG	CAG	Arg	Gln	DMU	RT-112	883	Bladder carcinoma	2249	0	Controversy with other publications
110	CGT	CTT	Arg	Leu	SM	SCaBER	28	Bladder carcinoma	294	12.26	Confirmed in another publication
110	CGT	CTT	Arg	Leu	SM	SD	28	Bladder carcinoma	294	12.26	Controversy with other publications
116	TCT	TGT	Ser	Cys	SM	SD	3	Bladder carcinoma	689	10.91	Controversy with other publications
273	CGT	TGT	Arg	Cys	SM	SW1710	687	Bladder carcinoma	689	0.91	Single report
126	TAC	TAG	Tyr	Stop	SM	T-24	14	Bladder carcinoma	689	NA	Controversy with other publications
126	TAC	del3a	Tyr	InF	SM	T-24	1	Bladder carcinoma	561	NA	Controversy with other publications
349	GAA	TAA	Glu	Stop	SM	TCCSUP	7	Bladder carcinoma	561	NA	Single report
113	TTC	TGC	Phe	Cys	SM	UM-UC-3	9	Bladder carcinoma	294	12.55	Confirmed in two other publications
126	TAC	TAG	Tyr	Stop	DMU	VM-CUB-1	14	Bladder carcinoma	2249	NA	Controversy with other publications
175	CGC	CAC	Arg	His	SM	VM-CUB-1	1187	Bladder carcinoma	689	12.41	Controversy with other publications
175	CGC	CAC	Arg	His	DMU	VM-CUB-1	1187	Bladder carcinoma	2249	12.41	Controversy with other publications
158	CGC	CTC	Arg	Leu	DMU	VM-CUB-2	92	Bladder carcinoma	689	8.19	Controversy with other publications
158	CGC	CTC	Arg	Leu	SM	VM-CUB-2	92	Bladder carcinoma	294	8.19	Controversy with other publications
163	TAC	TGC	Tyr	Cys	DMU	VM-CUB-2	140	Bladder carcinoma	689	18.3	Controversy with other publications
278	CCT	CTT	Pro	Leu	SM	VM-CUB-3	84	Bladder carcinoma	689	0.81	Single report

Brain Tumors

Table I : cell lines with wt p53

Cell line	ATCC	Origin	Reference
CHP-134*		Neuroblastoma	
KG-1-C		Neuroblastoma	1006
GOTO		Neuroblastoma	1006
IMR-32*	CCL-127	Neuroblastoma	
LAN-5*		Neuroblastoma	
NB-1		Neuroblastoma	1006
NH-12		Neuroblastoma	1006
NH-6		Neuroblastoma	1006
SK-N-AS*	CRL-2137	Neuroblastoma	
SK-N-SH*	HTB-11	Neuroblastoma	
U-87-MG	HTB-14	Glioblastoma	2249
GM2300		Glioblastoma	1950
GM1578		Glioblastoma	1950
GM2455		Glioblastoma	1950
GM1600		Glioblastoma	1950
GM1592		Glioblastoma	1950
GM139		Glioblastoma	1950
GM2401		Glioblastoma	1950
SK-MG-11		Glioblastoma	698
SK-MG-15		Glioblastoma	698
V-MG-33		Glioblastoma	698

* Cytoplasmic p53

Table II : cell lines with p53 gene deletion or rearrangement

Cell line	ATCC	Origin	Reference
LN-Z308		Glioblastoma	

Table III : cell lines with p53 splice mutation
(exonic mutations that modify splice are listed in table IV)

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
115	CAT	TAT	His	Tyr	SM	440	2	Astrocytoma	491	48.24	Single report
55	ACT	ins1c	Thr	Fs.	SM	622	1	Astrocytoma	491	NA	Single report
273	CGT	TGT	Arg	Cys	SM	8-MG-BA	687	Astrocytoma	2249	0.91	Mutation in COSMIC database
273	CGT	CAT	Arg	His	SM	B2-17	780	Astrocytoma	2249	1.01	Mutation in COSMIC database
248	CGG	TGG	Arg	Trp	SM	CAS-1	728	Astrocytoma	2249	0	Mutation in COSMIC database
248	CGG	TGG	Arg	Trp	SM	D-336MG	728	Astrocytoma	2249	0	Mutation in COSMIC database
245	GGC	AGC	Gly	Ser	SM	D-423MG	440	Astrocytoma	2249	0	Mutation in COSMIC database
245	GGC	AGC	Gly	Ser	SM	D-566MG	440	Astrocytoma	2249	0	Mutation in COSMIC database
239	AAC	ins3b	Asn	InF	SM	GB-1	1	Astrocytoma	2249	NA	Mutation in COSMIC database
236	TAC	TGC	Tyr	Cys	SM	GMS-10	75	Astrocytoma	2249	0.7	Mutation in COSMIC database
245	GGC	AGC	Gly	Ser	DMU	KINGS-1	440	Astrocytoma	2249	0	Mutation in COSMIC database
248	CGG	CAG	Arg	Gln	DMU	KINGS-1	883	Astrocytoma	2249	0	Mutation in COSMIC database
175	CGC	CAC	Arg	His	SM	LN-319	1187	Astrocytoma	277	12.41	Single report
282	CGG	TGG	Arg	Trp	SM	LN-405	600	Astrocytoma	2249	0.55	Mutation in COSMIC database
110	CGT	CCT	Arg	Pro	SM	MOG-G-CCM	11	Astrocytoma	2249	10.79	Mutation in COSMIC database
159	GCC	GTC	Ala	Val	SM	MOG-G-UVW	50	Astrocytoma	2249	6.91	Mutation in COSMIC database
245	GGC	AGC	Gly	Ser	SM	no-10	440	Astrocytoma	2249	0	Mutation in COSMIC database
273	CGT	TGT	Arg	Cys	SM	no-11	687	Astrocytoma	2249	0.91	Mutation in COSMIC database
273	CGT	TGT	Arg	Cys	SM	SW1088	687	Astrocytoma	2249	0.91	Mutation in COSMIC database
273	CGT	TAT	Arg	Tyr	SM	SW1783	3	Astrocytoma	2249	NR	Mutation in COSMIC database
238	TGT	GGT	Cys	Gly	SM	TM-31	10	Astrocytoma	1760	13.93	Single report
273	CGT	TGT	Arg	Cys	SM	SJ-G2	687	Glial tumor	1190	0.91	Single report
88	GCC	del1b	Ala	Fs.	SM	SJ-G3	1	Glial tumor	1190	NA	Single report
248	CGG	CAG	Arg	Gln	SM	SJ-G5	883	Glial tumor	1190	0	Single report
242	TGC	TTC	Cys	Phe	SM	A-172	88	Glioblastoma	1397	13.79	wt in another publication
175	CGC	CAC	Arg	His	SM	A-7	1187	Glioblastoma	474	12.41	Single report
132	AAG	ATG	Lys	Met	SM	D456	9	Glioblastoma	472	14.93	Single report
195	ATC	ACC	Ile	Thr	SM	G-1163GM	90	Glioblastoma	2106	11.24	Single report
267	CGG	TGG	Arg	Trp	SM	G-1187GM	37	Glioblastoma	2106	1.68	Single report
248	CGG	TGG	Arg	Trp	SM	G123	728	Glioblastoma	370	0	Single report
105	GGC	AGC	Gly	Ser	SM	G-1265GM	1	Glioblastoma	2106	5.58	Single report
151	CCC	TCC	Pro	Ser	SM	G-1301M	92	Glioblastoma	2106	0.85	Single report
176	TGC	TAC	Cys	Tyr	SM	G-210GM	88	Glioblastoma	2106	14.82	Single report

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
179	CAT	GAT	His	Asp	SM	G-211GM	19	Glioblastoma	2106	21.63	Single report
249	AGG	ATG	Arg	Met	SM	G-599GM	64	Glioblastoma	2106	0	Single report
175	CGC	CAC	Arg	His	SM	G-750GM	1187	Glioblastoma	2106	12.41	Single report
175	CGC	CAC	Arg	His	SM	GM133	1187	Glioblastoma	1950	12.41	Single report
76	GCA	GGA	Ala	Gly	DMU	GM1596	9	Glioblastoma	1950	80.42	Single report
220	TAT	CAT	Tyr	His	DMU	GM1596	15	Glioblastoma	1950	0.97	Single report
163	TAC	TCC	Tyr	Ser	SM	GM2217	5	Glioblastoma	1950	12.63	Single report
248	CGG	TGG	Arg	Trp	SM	GM2313	728	Glioblastoma	1950	0	Single report
76	GCA	GGA	Ala	Gly	DMU	GM2328	9	Glioblastoma	1950	80.42	Single report
161	GCC	TCC	Ala	Ser	DMU	GM2328	5	Glioblastoma	1950	10.83	Single report
175	CGC	CAC	Arg	His	SM	GM2345	1187	Glioblastoma	1950	12.41	Single report
282	CGG	TGG	Arg	Trp	SM	GM2493	600	Glioblastoma	1950	0.55	Single report
237	ATG	ATA	Met	Ile	SM	GM47.23	123	Glioblastoma	987	0.43	Single report
175	CGC	CAC	Arg	His	SM	GM97	1187	Glioblastoma	1950	12.41	Single report
249	AGG	AGT	Arg	Ser	SM	GT9	389	Glioblastoma	1066	12.42	Single report
250	CCC	GCC	Pro	Ala	SM	GT9	14	Glioblastoma	1066	46.58	Single report
242	TGC	TTC	Cys	Phe	SM	LG	88	Glioblastoma	1397	13.79	Single report
238	TGT	TCT	Cys	Ser	SM	LN-18	10	Glioblastoma	277	15.17	Single report
164	AAG	GAG	Lys	Glu	SM	LN-229	25	Glioblastoma	277	12.39	Single report
197	GTG	CTG	Val	Leu	SM	LN382	2	Glioblastoma	2254	12.36	Single report
173	GTG	ATG	Val	Met	DMU	LN-428	77	Glioblastoma	277	10.53	Single report
282	CGG	TGG	Arg	Trp	DMU	LN-428	600	Glioblastoma	277	0.55	Single report
273	CGT	TGT	Arg	Cys	SM	SK-D1	687	Glioblastoma	698	0.91	Single report
173	GTG	CTG	Val	Leu	SM	SK-MG-16	23	Glioblastoma	698	3.61	Single report
255	ATC	ATT	Ile	Ile	SM	SK-MG-21	5	Glioblastoma	698	NR	Single report
255	ATC	ATG	Ile	Met	SM	SK-MG-8	3	Glioblastoma	698	15.49	Single report
273	CGT	CAT	Arg	His	SM	SNB19	780	Glioblastoma	632	1.01	Confirmed in three other publications
237	ATG	ATA	Met	Ile	SM	T98G	123	Glioblastoma	277	0.43	Confirmed in two other publications. wt in COSMIC
213	CGA	CAA	Arg	Gln	SM	U118-MG	38	Glioblastoma	472	2.19	wt in COSMIC
232	ATC	ACC	Ile	Thr	DMU	U-138MG	15	Glioblastoma	1397	1.93	Single report
242	TGC	TTC	Cys	Phe	DMU	U-138MG	88	Glioblastoma	1397	13.79	Single report
273	CGT	CAT	Arg	His	SM	U251MG	780	Glioblastoma	2254	1.01	Single report
273	CGT	TGT	Arg	Cys	SM	V-MG-35/CE	687	Glioblastoma	698	0.91	Single report
218	GTG	GCG	Val	Ala	SM	V-MG-6	6	Glioblastoma	698	69.33	Single report

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
245	GGC	AGC	Gly	Ser	SM	D-542MG	440	Gliomas	2249	0	Mutation in COSMIC database
265	CTG	CCG	Leu	Pro	SM	GAMG	23	Gliomas	2249	0	Mutation in COSMIC database
241	TCC	TTC	Ser	Phe	SM	KALS-1	101	Gliomas	2249	0	Mutation in COSMIC database
342	CGA	TGA	Arg	Stop	SM	KNS-42	74	Gliomas	2249	NA	Mutation in COSMIC database
286	GAA	AAA	Glu	Lys	SM	MO59J	86	Gliomas	1471	11.07	Single report
286	GAA	AAA	Glu	Lys	SM	MO59K	86	Gliomas	1471	11.07	Single report
266	GGA	GAA	Gly	Glu	SM	SF188	74	Gliomas	664	0	Single report
176	TGC	TAC	Cys	Tyr	SM	SF210	88	Gliomas	664	14.82	Single report
273	CGT	CAT	Arg	His	SM	SF268	780	Gliomas	664	1.01	Single report
248	CGG	CAG	Arg	Gln	SM	SF295	883	Gliomas	1018	0	Confirmed in COSMIC database
342	CGA	del1a	Arg	Fs.	SM	SF-539	5	Gliomas	2249	NA	Controversy with other publications
258	GAA	AAA	Glu	Lys	SM	SNB75	73	Gliomas	1018	0.31	Confirmed in COSMIC database
275	TGT	TAT	Cys	Tyr	SM	GI-1	87	Gliosarcoma	2249	0.42	Mutation in COSMIC database
113	TTC	TCC	Phe	Ser	SM	ACN	3	Neuroblastoma	2249	12.37	Mutation in COSMIC database
342	CGA	CTA	Arg	Leu	SM	CHLA-119	1	Neuroblastoma	1774	65.63	Single report
286	GAA	AAA	Glu	Lys	SM	CHLA-172	86	Neuroblastoma	1774	11.07	Single report
286	GAA	AAA	Glu	Lys	SM	CHLA-90	86	Neuroblastoma	1774	11.07	Single report
182	TGC	TGA	Cys	Stop	SM	LAN1	6	Neuroblastoma	93	NA	Single report
173	GTG	ATG	Val	Met	SM	NB13	77	Neuroblastoma	2249	10.53	Mutation in COSMIC database
175	CGC	CAC	Arg	His	SM	NB16	1187	Neuroblastoma	2249	12.41	Mutation in COSMIC database
177	CCC	ACC	Pro	Thr	SM	NB19	1	Neuroblastoma	2249	18.58	Mutation in COSMIC database
176	TGC	TTC	Cys	Phe	SM	NB-SD	191	Neuroblastoma	1190	22.88	Single report
245	GGC	AGC	Gly	Ser	SM	NMB	440	Neuroblastoma	1772	0	Single report
176	TGC	TTC	Cys	Phe	SM	SJNB-4	191	Neuroblastoma	1772	22.88	Single report
135	TGC	TTC	Cys	Phe	SM	SK-N-BE(2)	52	Neuroblastoma	1772	10.37	Single report
110	CGT	CTT	Arg	Leu	SM	SK-N-DZ	28	Neuroblastoma	2249	12.26	Mutation in COSMIC database
246	ATG	AGG	Met	Arg	SM	SK-N-FI	13	Neuroblastoma	2249	2.86	Mutation in COSMIC database
282	CGG	del3a	Arg	InF	SM	TGW	1	Neuroblastoma	2096	NA	Single report
233	CAC	ins4b	His	Fs.	SM	CHP-100	1	Neuroepithelioma	93	NA	Single report
273	CGT	CAT	Arg	His	SM	HS-Sch-2	780	Peripheral nerve Sheath Tumors	2078	1.01	Single report

Breast Tumors

Table I : cell lines with wt p53

Cell line	ATCC	Reference
MCF-7	HTB-22	2091
MCF10-2A		
DU4475	HTB-123	2091
MDA-MB-175VII	HTB-25	2091
MPE600		2091
SK-BR-7		2091
SUM102PT		2091
UACC-812	CRL-1897	2091
ZR75-1	CRL-1500	2091
ZR75-30	CRL-1504	2091
HBL-100*		2029
MRK-NU-1		1006
YMB-1		1006
YMB-1-E		1006

*Positive for SV40

Table II : cell lines with p53 gene deletion or rearrangement

Cell line	ATCC	Reference
MDA- MB-157	HTB-24	

Table III : cell lines with p53 splice mutation
(exonic mutations that modify splice are listed in table IV)

no data

Cos.	WT	Mut		Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
179	CAT	AAT	His	Asn	SM	3522 S2	23	Breast carcinoma	1017	19.3	Single report
266	GGA	TGA	Gly	Stop	SM	BRC-230	19	Breast carcinoma	1393	NA	Single report
132	AAG	CAG	Lys	Gln	SM	BT-20	14	Breast carcinoma	24	10.86	Confirmed in another publication. wt in COSMIC
285	GAG	AAG	Glu	Lys	SM	BT-474	165	Breast carcinoma	24	0.58	Confirmed in three other publications
246	ATG	del1c	Met	Fs.	SM	BT-483	1	Breast carcinoma	2029	NA	Controversy with other publications
246	ATG	ATA	Met	Ile	SM	BT-483	33	Breast carcinoma	2091	0.28	Controversy with other publications
249	AGG	AGC	Arg	Ser	SM	BT-549	34	Breast carcinoma	24	12.42	Single report
224	GAG	AAG	Glu	Lys	SM	CAL-148	8	Breast carcinoma	2249	38.49	Mutation in COSMIC database
132	AAG	GAG	Lys	Glu	SM	CAL-85-1	25	Breast carcinoma	2249	0.56	Mutation in COSMIC database
280	AGA	ACA	Arg	Thr	SM	CAMA-1	92	Breast carcinoma	2029	0.29	wt in COSMIC
241	TCC	TGC	Ser	Cys	SM	EVSA-T	36	Breast carcinoma	2091	0	wt in COSMIC
248	CGG	CAG	Arg	Gln	SM	H-31	883	Breast carcinoma	1689	0	Single report
262	GGT	GTT	Gly	Val	SM	H-71	14	Breast carcinoma	1689	11.71	Single report
281	GAC	CAC	Asp	His	SM	HCC1007	41	Breast carcinoma	1396	0.66	Single report
281	GAC	TAC	Asp	Tyr	SM	HCC1008	16	Breast carcinoma	2258	7.28	
248	CGG	CAG	Arg	Gln	SM	HCC1143	883	Breast carcinoma	2249	0	Mutation in COSMIC database
248	CGG	CAG	Arg	Gln	SM	HCC1143	883	Breast carcinoma	2258	0	
108	GGT	del3b	Gly	InF	SM	HCC1187	1	Breast carcinoma	2258	NA	
108	GGT	del3a	Gly	InF	SM	HCC1187	1	Breast carcinoma	2249	NA	Mutation in COSMIC database
175	CGC	CAC	Arg	His	SM	HCC1395	1187	Breast carcinoma	1396	12.41	Single report
175	CGC	CAC	Arg	His	SM	HCC1395	1187	Breast carcinoma	2258	12.41	
74	GCC	del6a	Ala	InF	DMU	HCC1419	1	Breast carcinoma	2249	NA	Mutation in COSMIC database
220	TAT	TGT	Tyr	Cys	DMU	HCC1419	336	Breast carcinoma	2249	1.21	Mutation in COSMIC database
294	GAG	TAG	Glu	Stop	SM	HCC1569	54	Breast carcinoma	1396	NA	Single report
256	ACA	ins2	Thr	Fs.	SM	HCC1806	2	Breast carcinoma	1396	NA	Single report
306	CGA	TGA	Arg	Stop	SM	HCC1937	160	Breast carcinoma	1396	NA	Confirmed in another publication
306	CGA	TGA	Arg	Stop	SM	HCC1937	160	Breast carcinoma	2258	NA	
163	TAC	TGC	Tyr	Cys	SM	HCC1954	140	Breast carcinoma	2258	18.3	
163	TAC	TGC	Tyr	Cys	SM	HCC1954	140	Breast carcinoma	2249	18.3	Mutation in COSMIC database
248	CGG	TGG	Arg	Trp	SM	HCC2157	728	Breast carcinoma	2249	0	Mutation in COSMIC database
248	CGG	TGG	Arg	Trp	SM	HCC2157	728	Breast carcinoma	2258	0	
283	CGC	TGC	Arg	Cys	SM	HCC2218	27	Breast carcinoma	1396	25.27	Single report
241	TCC	del1b	Ser	Fs.	SM	HCC2713	26	Breast carcinoma	2258	NA	
213	CGA	TGA	Arg	Stop	SM	HCC2998	306	Breast carcinoma	2249	NA	Mutation in COSMIC database

Cos.	WT	Mut		Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
273	CGT	CTT	Arg	Leu	SM	HCC38	147	Breast carcinoma	1396	0.86	Single report
273	CGT	CTT	Arg	Leu	SM	HCC38	147	Breast carcinoma	2258	0.86	
248	CGG	CAG	Arg	Gln	SM	HCC70	883	Breast carcinoma	1396	0	Single report
213	CGA	TGA	Arg	Stop	SM	HDQ-P1	306	Breast carcinoma	1713	NA	Single report
249	AGG	GGG	Arg	Gly	SM	HMT-3909	52	Breast carcinoma	552	0.17	Single report
157	GTC	TTC	Val	Phe	SM	Hs 578T	177	Breast carcinoma	76	9.06	Confirmed in two other publications
157	GTC	TTC	Val	Phe	SM	HS578T	177	Breast carcinoma	2258	9.06	
215	AGT	ATT	Ser	Ile	SM	L56BR-X1	25	Breast carcinoma	1968	8.11	Single report
244	GGC	AGC	Gly	Ser	SM	MAST	72	Breast carcinoma	1393	0.34	Single report
285	GAG	AAG	Glu	Lys	SM	MDA-MB-134-VI	165	Breast carcinoma	2029	0.58	wt in COSMIC
261	AGT	del26a	Ser	Fs.	SM	MDA-MB-157	1	Breast carcinoma	2029	NA	wt in COSMIC
280	AGA	AAA	Arg	Lys	SM	MDA-MB-231	78	Breast carcinoma	24	0.46	Confirmed in another publication
220	TAT	TGT	Tyr	Cys	SM	MDA-MB-330	336	Breast carcinoma	2091	1.21	Single report
166	TCA	TAA	Ser	Stop	SM	MDA-MB-361	19	Breast carcinoma	2029	NA	wt in COSMIC
236	TAC	TGC	Tyr	Cys	SM	MDA-MB-415	75	Breast carcinoma	2091	0.7	Single report
266	GGA	GAA	Gly	Glu	SM	MDA-MB-435	74	Breast carcinoma	1018	0	Single report
204	GAG	ins7c	Glu	Fs.	SM	MDA-MB-436	1	Breast carcinoma	2029	NA	Controversy with other publications
273	CGT	CAT	Arg	His	SM	MDA-MB-436	780	Breast carcinoma	1367	1.01	Controversy with other publications
368	CAC	del30	His	InF	SM	MDA-MB-453	1	Breast carcinoma	147	NA	wt in COSMIC
273	CGT	CAT	Arg	His	SM	MDA-MB-468	780	Breast carcinoma	9	1.01	Confirmed in another publication
132	AAG	AGG	Lys	Arg	SM	MFM-223	51	Breast carcinoma	2249	14.1	Mutation in COSMIC database
234	TAC	TAA	Tyr	Stop	SM	MW1C-6.3	10	Breast carcinoma	147	NA	Single report
244	GGC	AGC	Gly	Ser	SM	OCUB-F	72	Breast carcinoma	2091	0.34	Single report
244	GGC	AGC	Gly	Ser	SM	OCUB-M	72	Breast carcinoma	2249	0.34	Mutation in COSMIC database
277	TGT	TTT	Cys	Phe	SM	R11T	48	Breast carcinoma	1806	0.31	Single report
136	CAA	TAA	Gln	Stop	SM	R18T	47	Breast carcinoma	1806	NA	Single report
273	CGT	TGT	Arg	Cys	SM	R30T	687	Breast carcinoma	1806	0.91	Single report
175	CGC	CAC	Arg	His	SM	SK-BR-3	1187	Breast carcinoma	76	12.41	Confirmed in another publication. wt in COSMIC
161	GCC	GAC	Ala	Asp	SM	SK-BR-5	19	Breast carcinoma	2091	2.42	Single report
135	TGC	TTC	Cys	Phe	SM	SUM1315MO2	52	Breast carcinoma	2091	10.37	Single report
237	ATG	ATA	Met	Ile	SM	SUM149PT	123	Breast carcinoma	2091	0.43	Single report
158	CGC	ins3a	Arg	InF	SM	SUM159PT	1	Breast carcinoma	2091	NA	Single report
144	CAG	TAG	Gln	Stop	SM	SUM185PE	53	Breast carcinoma	2091	NA	Single report
317	CAG	TAG	Gln	Stop	SM	SUM190PT	25	Breast carcinoma	2091	NA	Single report

Cos.	WT	Mut	\	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
265	CTG	CCG	Leu	Pro	SM	SUM225CWN	23	Breast carcinoma	2091	0	Single report
273	CGT	TGT	Arg	Cys	SM	SUM229PE	687	Breast carcinoma	2091	0.91	Single report
213	CGA	TGA	Arg	Stop	SM	SUM52PE	306	Breast carcinoma	2091	NA	Single report
194	CTT	TTT	Leu	Phe	SM	T47D	28	Breast carcinoma	9	14.38	Confirmed in another publication
342	CGA	TGA	Arg	Stop	SM	UACC-893	74	Breast carcinoma	2029	NA	Single report

Colorectal Tumors

Table I : cell lines with wt p53

Cell line	ATCC	Reference
C32		2051
C99		2051
COLO678		2051
Gp2D		2051
HCT116	CCL-247	2051
LOVO	CCL-229	2051
LS180	CL-187	2051
LS174T	CL-188	2051
LS513	CRL-2134	2051
NCI-747		2051
RKO	CRL-2577	2051
SKCO-1	HTB-39	2051
Col15		2251
TC7		2251
EB		2251

Table II : cell lines with p53 gene deletion or rearrangement

No data

Table III : cell lines with p53 splice mutation
(exonic mutations that modify splice are listed in table IV)

no data

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
282	CGG	TGG	Arg	Trp	SM	RG	600	Colorectal adenoma	1	0.55	Single report
248	CGG	TGG	Arg	Trp	SM	VACO330	728	Colorectal adenoma	1	0	Single report
301	CCA	del1a	Pro	Fs.	SM	ala	6	Colorectal carcinoma	724	NA	Single report
245	GGC	AGC	Gly	Ser	SM	C10	440	Colorectal carcinoma	2051	0	Single report
125	ACG	ATG	Thr	Met	SM	C106	12	Colorectal carcinoma	2051	14.64	Single report
196	CGA	TGA	Arg	Stop	SM	C125-PM	241	Colorectal carcinoma	2051	NA	Single report
249	AGG	AGC	Arg	Ser	SM	C75	34	Colorectal carcinoma	2051	12.42	Single report
52	CAA	TAA	Gln	Stop	SM	C80	6	Colorectal carcinoma	2051	NA	Single report
342	CGA	TGA	Arg	Stop	SM	C84	74	Colorectal carcinoma	2051	NA	Single report
204	GAG	TAG	Glu	Stop	SM	CACO2	46	Colorectal carcinoma	2051	NA	Single report
234	TAC	TGC	Tyr	Cys	SM	CaR-1	133	Colorectal carcinoma	1006	2.14	Controversy with other publications. wt in COSMIC
272	GTG	ATG	Val	Met	SM	CaR-1	105	Colorectal carcinoma	2051	8.79	Controversy with other publications. wt in COSMIC
245	GGC	AGC	Gly	Ser	SM	CBS	440	Colorectal carcinoma	724	0	Single report
245	GGC	AGC	Gly	Ser	SM	CC07	440	Colorectal carcinoma	2051	0	Single report
126	TAC	TAG	Tyr	Stop	SM	CC20	14	Colorectal carcinoma	2051	NA	Single report
278	CCT	CAT	Pro	His	SM	CCK-81	13	Colorectal carcinoma	2051	0.28	Single report
241	TCC	TTC	Ser	Phe	SM	CLONE A	101	Colorectal carcinoma	492	0	Single report
241	TCC	TTC	Ser	Phe	SM	CLONE D	101	Colorectal carcinoma	492	0	Single report
134	TTT	TTG	Phe	Leu	SM	Co74	6	Colorectal carcinoma	2258	10.71	
193	CAT	CGT	His	Arg	SM	Co82	86	Colorectal carcinoma	2258	10.15	
144	CAG	TAG	Gln	Stop	SM	Co84	53	Colorectal carcinoma	2258	NA	
273	CGT	TGT	Arg	Cys	SM	Co92	687	Colorectal carcinoma	2258	0.91	
196	CGA	TGA	Arg	Stop	SM	CoCM-1	241	Colorectal carcinoma	2051	NA	Single report
103	TAC	del27	Tyr	InF	SM	COLO-205	1	Colorectal carcinoma	492	NA	Controversy with other publications
266	GGA	GAA	Gly	Glu	SM	COLO-205	74	Colorectal carcinoma	1018	0	Controversy with other publications
248	CGG	TGG	Arg	Trp	SM	COLO-320	728	Colorectal carcinoma	38	0	Confirmed in two other publications
321	AAA	ins2a	Lys	Fs.	SM	COLO-741	1	Colorectal carcinoma	2051	NA	Single report
273	CGT	CAT	Arg	His	SM	CX-1	780	Colorectal carcinoma	492	1.01	Single report
248	CGG	CAG	Arg	Gln	SM	CX27	883	Colorectal carcinoma	1	0	Single report
241	TCC	TTC	Ser	Phe	SM	DLD-1	101	Colorectal carcinoma	27	0	Confirmed in three other publications
176	TGC	TTC	Cys	Phe	SM	FET	191	Colorectal carcinoma	724	22.88	Single report
277	TGT	TTT	Cys	Phe	SM	FRI	48	Colorectal carcinoma	724	0.31	Single report
245	GGC	GAC	Gly	Asp	SM	GLY	171	Colorectal carcinoma	724	1.95	Single report

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
273	CGT	CAT	Arg	His	SM	H-110	780	Colorectal carcinoma	1689	1.01	Single report
306	CGA	TGA	Arg	Stop	SM	H-173	160	Colorectal carcinoma	1689	NA	Single report
272	GTG	del2b	Val	Fs.	SM	HCA46	1	Colorectal carcinoma	2051	NA	Single report
300	CCC	del1a	Pro	Fs.	SM	HCA7	8	Colorectal carcinoma	2051	NA	Single report
213	CGA	TGA	Arg	Stop	SM	HCC-2998	306	Colorectal carcinoma	1018	NA	Confirmed in COSMIC database
153	CCC	GCC	Pro	Ala	SM	HCT-15	5	Colorectal carcinoma	1018	65.41	Controversy with other publications
241	TCC	TTC	Ser	Phe	SM	HCT-15	101	Colorectal carcinoma	2251	0	Controversy with other publications
273	CGT	CAT	Arg	His	SM	HRA19	780	Colorectal carcinoma	2051	1.01	Single report
273	CGT	CAT	Arg	His	SM	HT-29	780	Colorectal carcinoma	492	1.01	Confirmed in two other publications
213	CGA	CTA	Arg	Leu	SM	HT55	33	Colorectal carcinoma	2051	0.69	wt in COSMIC
163	TAC	CAC	Tyr	His	SM	ISRECO1	26	Colorectal carcinoma	724	11.22	Single report
72	CCC	del1b	Pro	Fs.	SM	KM12	1	Colorectal carcinoma	2249	NA	Controversy with other publications
179	CAT	CGT	His	Arg	SM	KM12	146	Colorectal carcinoma	1018	13.02	Controversy with other publications
234	TAC	CAC	Tyr	His	SM	LIM1863	25	Colorectal carcinoma	2051	0	Single report
245	GGC	GAC	Gly	Asp	SM	LS-1034	171	Colorectal carcinoma	724	1.95	Single report
175	CGC	CAC	Arg	His	SM	LS-123	1187	Colorectal carcinoma	2051	12.41	Single report
126	TAC	TAA	Tyr	Stop	SM	LS-411	11	Colorectal carcinoma	2051	NA	Single report
241	TCC	TTC	Ser	Phe	SM	MIP 101	101	Colorectal carcinoma	492	0	Single report
161	GCC	ACC	Ala	Thr	SM	MOSER	75	Colorectal carcinoma	492	13.25	Single report
273	CGT	CAT	Arg	His	SM	NCI-H508	780	Colorectal carcinoma	2249	1.01	Mutation in COSMIC database
342	CGA	TGA	Arg	Stop	SM	NCI-H630	74	Colorectal carcinoma	2249	NA	Mutation in COSMIC database
224	GAG	GAT	Glu	Asp	SM	NCI-H716	6	Colorectal carcinoma	2051	59.68	wt in COSMIC
158	CGC	CTC	Arg	Leu	SM	NCI-H747	92	Colorectal carcinoma	219	8.19	Single report
272	GTG	ATG	Val	Met	SM	P-6	105	Colorectal carcinoma	1006	8.79	Single report
306	CGA	TGA	Arg	Stop	SM	RCM-1	160	Colorectal carcinoma	2051	NA	Single report
190	CCT	CTT	Pro	Leu	SM	SNU-1033	52	Colorectal carcinoma	1204	10.12	Single report
248	CGG	TGG	Arg	Trp	SM	SNU-1040	728	Colorectal carcinoma	1204	0	Single report
254	ATC	ACC	Ile	Thr	SM	SNU-1047	11	Colorectal carcinoma	1204	0.85	Single report
175	CGC	CAC	Arg	His	SM	SNU-1097	1187	Colorectal carcinoma	1204	12.41	Single report
273	CGT	CTT	Arg	Leu	SM	SNU-503	147	Colorectal carcinoma	1204	0.86	Single report
175	CGC	CAC	Arg	His	SM	SNU-61	1187	Colorectal carcinoma	1204	12.41	Single report
166	TCA	TGA	Ser	Stop	SM	SNU-C1	18	Colorectal carcinoma	2249	NA	Mutation in COSMIC database
273	CGT	TGT	Arg	Cys	DMD	SNU-C2B	687	Colorectal carcinoma	2051	0.91	Single report
273	CGT	CAT	Arg	His	DMD	SNU-C2B	780	Colorectal carcinoma	2051	1.01	Single report
218	GTG	TTG	Val	Leu	DMD	SNU-C5	3	Colorectal carcinoma	1038	54.76	Single report

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
248	CGG	TGG	Arg	Trp	DMD	SNU-C5	728	Colorectal carcinoma	1038	0	Single report
159	GCC	GAC	Ala	Asp	SM	SW1116	8	Colorectal carcinoma	219	10.18	Confirmed in two other publications. wt in COSMIC
237	ATG	del14	Met	Fs.	SM	SW1417	1	Colorectal carcinoma	492	NA	wt in COSMIC
248	CGG	CAG	Arg	Gln	SM	SW1463	883	Colorectal carcinoma	2249	0	Mutation in COSMIC database
51	GAA	TAA	Glu	Stop	SM	SW403	6	Colorectal carcinoma	2051	NA	Single report
248	CGG	TGG	Arg	Trp	SM	SW48	728	Colorectal carcinoma	492	0	Confirmed in another publication. wt in COSMIC
273	CGT	CAT	Arg	His	DMU	SW480	780	Colorectal carcinoma	9	1.01	Single report
309	CCC	TCC	Pro	Ser	DMU	SW480	6	Colorectal carcinoma	9	43.57	Single report
248	CGG	TGG	Arg	Trp	SM	SW837	728	Colorectal carcinoma	9	0	Confirmed in two other publications
117	GGG	del1a	Gly	Fs.	SM	SW948	3	Colorectal carcinoma	2051	NA	wt in COSMIC
245	GGC	GAC	Gly	Asp	SM	V9P	171	Colorectal carcinoma	724	1.95	Single report
175	CGC	CAC	Arg	His	SM	VACO10MS	1187	Colorectal carcinoma	2051	12.41	Single report
306	CGA	TGA	Arg	Stop	SM	VACO429	160	Colorectal carcinoma	2051	NA	Single report
154	GGC	AGC	Gly	Ser	SM	VACO457	14	Colorectal carcinoma	996	11.47	Single report
135	TGC	TGG	Cys	Trp	SM	VACO489	25	Colorectal carcinoma	996	12.8	Single report
329	ACC	ins1a	Thr	Fs.	SM	VACO4A	1	Colorectal carcinoma	2051	NA	Single report
282	CGG	TGG	Arg	Trp	SM	VACO5	600	Colorectal carcinoma	996	0.55	Single report
273	CGT	TGT	Arg	Cys	SM	VACO576	687	Colorectal carcinoma	996	0.91	Single report
181	CGC	TGC	Arg	Cys	SM	VACO670	28	Colorectal carcinoma	996	26.1	Single report
190	CCT	CTT	Pro	Leu	SM	VACO8	52	Colorectal carcinoma	996	10.12	Single report
273	CGT	CAT	Arg	His	SM	WIDR	780	Colorectal carcinoma	27	1.01	Confirmed in another publication

Gastric Tumors

Table I : cell lines with wt p53

Cell line	ATCC	Reference
SNU-520		747
SNU-719		747
NUGC-4		462
STKM-2		1006
MKN-45		462
MKN-74	-	462

Table II : cell lines with p53 gene deletion or rearrangement

Cell line	ATCC	Reference
KATO III	HTB-103	

Table III : cell lines with p53 splice mutation
(exonic mutations that modify splice are listed in table IV)

No data

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
248	CGG	TGG	Arg	Trp	SM	20M	728	Gastric carcinoma	71	0	Single report
282	CGG	TGG	Arg	Trp	SM	AKG	600	Gastric carcinoma	1393	0.55	Single report
307	GCA	del7b	Ala	Fs.	SM	ECC4	1	Gastric carcinoma	2249	NA	Mutation in COSMIC database
175	CGC	CAC	Arg	His	SM	G42LATE	1187	Gastric carcinoma	1393	12.41	Single report
11	GAG	CAG	Glu	Gln	DMU	GCIY	10	Gastric carcinoma	2249	67.48	Mutation in COSMIC database
179	CAT	CAG	His	Gln	DMU	GCIY	14	Gastric carcinoma	2249	17.51	Mutation in COSMIC database
104	CAG	TAG	Gln	Stop	SM	GT3TKB	18	Gastric carcinoma	2249	NA	Mutation in COSMIC database
145	CTG	CGG	Leu	Arg	SM	H-111	10	Gastric carcinoma	1689	12.61	Single report
273	CGT	TGT	Arg	Cys	SM	H-162	687	Gastric carcinoma	1689	0.91	Single report
128	CCT	del37	Pro	Fs.	SM	H-30	2	Gastric carcinoma	1689	NA	Single report
272	GTG	ATG	Val	Met	SM	H-55	105	Gastric carcinoma	1689	8.79	Single report
152	CCG	ins1c	Pro	Fs.	SM	HGC-27	2	Gastric carcinoma	2249	NA	Mutation in COSMIC database
245	GGC	AGC	Gly	Ser	SM	HSC-39	440	Gastric carcinoma	2087	0	Single report
193	CAT	CCT	His	Pro	SM	HUG-1N	18	Gastric carcinoma	2242	9.99	Single report
173	GTG	ATG	Val	Met	SM	JR1	77	Gastric carcinoma	94	10.53	Single report
173	GTG	GCG	Val	Ala	SM	KWS	20	Gastric carcinoma	94	7.49	Single report
143	GTG	GCG	Val	Ala	SM	MKN-1	20	Gastric carcinoma	71	11.35	Confirmed in another publication
251	ATC	CTC	Ile	Leu	SM	MKN-28	5	Gastric carcinoma	94	0	Single report
278	CCT	TCT	Pro	Ser	SM	MKN-7	87	Gastric carcinoma	2087	0.34	Single report
251	ATC	CTC	Ile	Leu	DMU	MKN-74	5	Gastric carcinoma	1006	0	Controversy with other publications. wt in COSMIC
251	ATC	CTC	Ile	Leu	SM	MKN-74	5	Gastric carcinoma	94	0	Controversy with other publications. wt in COSMIC
271	GAG	GCG	Glu	Ala	DMU	MKN-74	3	Gastric carcinoma	1006	16.97	Controversy with other publications. wt in COSMIC
248	CGG	CAG	Arg	Gln	SM	NCI-N87	883	Gastric carcinoma	46	0	Single report
220	TAT	TGT	Tyr	Cys	SM	NUGC-3	336	Gastric carcinoma	94	1.21	Confirmed in another publication
342	CGA	TGA	Arg	Stop	SM	OKAJIMA	74	Gastric carcinoma	71	NA	Single report
57	GAC	del17	Asp	Fs.	SM	SK-GT-1	2	Gastric carcinoma	462	NA	Single report
175	CGC	CAC	Arg	His	SM	SK-GT-2	1187	Gastric carcinoma	462	12.41	Single report
281	GAC	GAG	Asp	Glu	SM	SK-GT-5	26	Gastric carcinoma	462	1.66	Single report
205	TAT	TTT	Tyr	Phe	SM	SNU-16	3	Gastric carcinoma	46	8.34	Single report
216	GTG	ATG	Val	Met	SM	SNU-216	74	Gastric carcinoma	747	0.16	Single report
266	GGA	GAA	Gly	Glu	SM	SNU-484	74	Gastric carcinoma	747	0	Single report
143	GTG	del1	Val	Fs.	SM	SNU-55	2	Gastric carcinoma	46	NA	Single report
273	CGT	CAT	Arg	His	SM	SNU-601	780	Gastric carcinoma	747	1.01	Single report

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
282	CGG	TGG	Arg	Trp	SM	SNU-638	600	Gastric carcinoma	747	0.55	Single report
215	AGT	AAT	Ser	Asn	SM	SNU-668	15	Gastric carcinoma	747	3.97	Single report
273	CGT	TGT	Arg	Cys	DMU	TGBC11TKB	687	Gastric carcinoma	2249	0.91	Mutation in COSMIC database
381	AAA	del1a	Lys	Fs.	DMU	TGBC11TKB	1	Gastric carcinoma	2249	NA	Mutation in COSMIC database
173	GTG	ATG	Val	Met	SM	TMK-1	77	Gastric carcinoma	71	10.53	Confirmed in another publication
175	CGC	CAC	Arg	His	SM	YCC-3	1187	Gastric carcinoma	46	12.41	Single report

Cervical carcinoma

Table I : cell lines with wt p53

Cell line	ATCC	Reference
HeLa*	CCL-2	1006
ME-180*	HTB-33	1006
SKG-IIIa*		1006
SW756*	CRL-10302	2249
CA-SKI*	CRL-1550	2249
SIHA*	HTB-35	2249
KB*	CCL-17	2249
MS-715*	HTB-34	68
C4II*	CRL-1595	68
SKG-II*		

* HPV positive

Table II : cell lines with p53 gene deletion or rearrangement

no data

Table III : cell lines with p53 splice mutation
(exonic mutations that modify splice are listed in table IV)

no data

Ovarian Tumors

Table I : cell lines with wt p53

Cell line	ATCC	Reference
KGN		2249
A2780		2249
RMG-1		2249
CH1		925
LK1		925
LK2		925

Table II : cell lines with p53 gene deletion or rearrangement

No data

Table III : cell lines with p53 splice mutation
(exonic mutations that modify splice are listed in table IV)

No data

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
109	TTC	TTA	Phe	Leu	SM	C2	1	Cervical Cancer	469	9.61	Single report
273	CGT	TGT	Arg	Cys	SM	C33A	687	Cervical Cancer	54	0.91	Confirmed in two other publications
245	GGC	GTC	Gly	Val	SM	HT-3	84	Cervical Cancer	54	0	Confirmed in another publication
175	CGC	CAC	Arg	His	SM	IGR/Cut40	1187	Cervical Cancer	573	12.41	Single report
131	AAC	del3a	Asn	InF	SM	SKS	7	Cervical Cancer	1782	NA	Single report
213	CGA	CAA	Arg	Gln	SM	AN3	38	Endometrial tumor	64	2.19	Single report
89	CCC	del1c	Pro	Fs.	DMU	AN3-CA	1	Endometrial tumor	2249	NA	Mutation in COSMIC database
389	GGG	TGG	Gly	Trp	DMU	AN3-CA	1	Endometrial tumor	2249	47.89	Mutation in COSMIC database
273	CGT	ins1a	Arg	Fs.	SM	EN	2	Endometrial tumor	1585	NA	Single report
213	CGA	TGA	Arg	Stop	SM	ESS-1	306	Endometrial tumor	2249	NA	Mutation in COSMIC database
248	CGG	CAG	Arg	Gln	SM	HEC-116	883	Endometrial tumor	1935	0	Single report
286	GAA	AAA	Glu	Lys	SM	HEC-155	86	Endometrial tumor	1935	11.07	Single report
195	ATC	AAC	Ile	Asn	SM	HEC-180	14	Endometrial tumor	1935	10.54	Single report
248	CGG	CAG	Arg	Gln	SM	HEC-1-A	883	Endometrial tumor	64	0	Single report
248	CGG	CAG	Arg	Gln	SM	HEC-1-B	883	Endometrial tumor	64	0	Single report
154	GGC	GAC	Gly	Asp	SM	HEC-251	9	Endometrial tumor	1935	39.65	Single report
273	CGT	CAT	Arg	His	SM	HEC-59	780	Endometrial tumor	1935	1.01	Single report
138	GCC	GTC	Ala	Val	SM	HHUA	48	Endometrial tumor	339	31.84	Single report
282	CGG	TGG	Arg	Trp	SM	HOUA	600	Endometrial tumor	339	0.55	Single report
246	ATG	GTG	Met	Val	SM	IK-90	57	Endometrial tumor	339	0	Single report
246	ATG	GTG	Met	Val	SM	ISHIKAWA	57	Endometrial tumor	64	0	Single report
175	CGC	CAC	Arg	His	SM	KLE	1187	Endometrial tumor	64	12.41	Confirmed in another publications. wt in COSMIC
306	CGA	TGA	Arg	Stop	SM	MFE-296	160	Endometrial tumor	2249	NA	Mutation in COSMIC database
156	CGC	del1a	Arg	Fs.	DMU	RL95-2	3	Endometrial tumor	1625	NA	Controversy with other publications
218	GTG	del3	Val	InF	SM	RL95-2	2	Endometrial tumor	64	NA	Controversy with other publications
218	GTG	del3a	Val	InF	DMU	RL95-2	3	Endometrial tumor	1625	NA	Controversy with other publications
175	CGC	CAC	Arg	His	SM	FT-MZ-1	1187	Fallopian tube ca.	590	12.41	Single report
99	TCC	del2b	Ser	Fs.	SM	6	1	Ovarian carcinoma	376	NA	Single report
316	CCC	CCT	Pro	Pro	SM	222	6	Ovarian carcinoma	798	NR	Single report
273	CGT	CAT	Arg	His	SM	2774	780	Ovarian carcinoma	798	1.01	Single report

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
172	GTT	TTT	Val	Phe	SM	2780CP	19	Ovarian carcinoma	963	8.17	Single report
193	CAT	CTT	His	Leu	SM	A. P.	55	Ovarian carcinoma	1011	11.02	Single report
172	GTT	TTT	Val	Phe	SM	A2780-CP-20	19	Ovarian carcinoma	798	8.17	Single report
196	CGA	TGA	Arg	Stop	SM	C. P./1	241	Ovarian carcinoma	1011	NA	Single report
193	CAT	CGT	His	Arg	SM	C. V.	86	Ovarian carcinoma	1011	10.15	Single report
136	CAA	TAA	Gln	Stop	SM	Caov-3	47	Ovarian carcinoma	144	NA	Single report
147	GTT	GAT	Val	Asp	SM	Caov-4	7	Ovarian carcinoma	144	11.64	Single report
213	CGA	TGA	Arg	Stop	SM	DDL11	306	Ovarian carcinoma	1011	NA	Single report
124	TGC	CGC	Cys	Arg	SM	EFO-21	4	Ovarian carcinoma	2249	8.62	Mutation in COSMIC database
273	CGT	TGT	Arg	Cys	SM	EFO-27	687	Ovarian carcinoma	2249	0.91	Mutation in COSMIC database
143	GTG	del32	Val	Fs.	SM	EG	1	Ovarian carcinoma	798	NA	Single report
195	ATC	ACC	Ile	Thr	SM	F. P.	90	Ovarian carcinoma	1011	11.24	Single report
194	CTT	CGT	Leu	Arg	SM	G. C.	66	Ovarian carcinoma	1011	10.61	Single report
306	CGA	TGA	Arg	Stop	SM	G. M.	160	Ovarian carcinoma	1011	NA	Single report
282	CGG	TGG	Arg	Trp	SM	GBM	600	Ovarian carcinoma	1011	0.55	Single report
126	TAC	TGC	Tyr	Cys	SM	IGROV-1	17	Ovarian carcinoma	2249	11.62	wt in two other publications
270	TTT	TTA	Phe	Leu	DMD	IGROV-1/Pt	7	Ovarian carcinoma	606	8.14	Single report
282	CGG	TGG	Arg	Trp	DMD	IGROV-1/Pt	600	Ovarian carcinoma	606	0.55	Single report
281	GAC	TAC	Asp	Tyr	SM	KURAMOCHI	16	Ovarian carcinoma	144	7.28	Single report
126	TAC	del21a	Tyr	InF	SM	NCI/ADR-RES	6	Ovarian carcinoma	983	NA	Single report
273	CGT	CAT	Arg	His	SM	OC-314	780	Ovarian carcinoma	2249	1.01	Mutation in COSMIC database
215	AGT	CGT	Ser	Arg	SM	OV 90	4	Ovarian carcinoma	1165	1.17	Single report
126	TAC	TGC	Tyr	Cys	SM	OV1P	17	Ovarian carcinoma	925	11.62	Single report
277	TGT	TTT	Cys	Phe	SM	OVCA 432	48	Ovarian carcinoma	1011	0.31	Single report
248	CGG	CAG	Arg	Gln	SM	OVCAR-3	883	Ovarian carcinoma	144	0	Single report
130	CTC	GTC	Leu	Val	SM	OVCAR-4	22	Ovarian carcinoma	2249	8.89	wt in another publication
224	GAG	ins3	Glu	InF	SM	OVCAR-5	1	Ovarian carcinoma	864	NA	wt in COSMIC
126	TAC	del18	Tyr	InF	SM	OVCAR-8	1	Ovarian carcinoma	864	NA	Single report
239	AAC	GAC	Asn	Asp	SM	PA-1	53	Ovarian carcinoma	854	20.19	Controversy with other publications. wt in COSMIC
316	CCC	CCT	Pro	Pro	SM	PA-1	6	Ovarian carcinoma	144	NR	Controversy with other publications. wt in COSMIC
195	ATC	ACC	Ile	Thr	SM	PM1015	90	Ovarian carcinoma	798	11.24	Single report
275	TGT	TAT	Cys	Tyr	SM	R. B.	87	Ovarian carcinoma	1011	0.42	Single report
273	CGT	CAT	Arg	His	SM	S. P.	780	Ovarian carcinoma	1011	1.01	Single report
89	CCC	del1a	Pro	Fs.	SM	SK-OV-3	3	Ovarian carcinoma	2249	NA	Controversy with other publications

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
179	CAT	CGT	His	Arg	SM	SK-OV-3	146	Ovarian carcinoma	1018	13.02	Controversy with other publications
262	GGT	GTT	Gly	Val	SM	SW626	14	Ovarian carcinoma	864	11.71	Controversy with other publications
273	CGT	CAT	Arg	His	SM	SW626	780	Ovarian carcinoma	1011	1.01	Controversy with other publications
175	CGC	CAC	Arg	His	SM	TOV 112D	1187	Ovarian carcinoma	1165	12.41	Single report
175	CGC	CAC	Arg	His	SM	TYK-nu	1187	Ovarian carcinoma	2249	12.41	Mutation in COSMIC database
273	CGT	CAT	Arg	His	SM	A-431	780	Vulvar SCC	153	1.01	Confirmed in two other publications
151	CCC	CAC	Pro	His	SM	CAL-39	33	Vulvar SCC	2249	10.75	Mutation in COSMIC database
266	GGA	GTA	Gly	Val	SM	SW962	51	Vulvar SCC	2249	0	Mutation in COSMIC database
248	CGG	CAG	Arg	Gln	SM	UM-SCA-1	883	Vulvar SCC	1625	0	Single report
171	GAG	TAG	Glu	Stop	SM	UM-SCV-2	25	Vulvar SCC	681	NA	Confirmed in another publication
273	CGT	TGT	Arg	Cys	DMU	UM-SCV-3	687	Vulvar SCC	681	0.91	Confirmed in another publication
314	TCC	TCT	Ser	Ser	DMU	UM-SCV-3	2	Vulvar SCC	681	NR	Confirmed in another publication
151	CCC	CAC	Pro	His	SM	UM-SCV-4	33	Vulvar SCC	681	10.75	Confirmed in another publication
155	ACC	ATC	Thr	Ile	SM	UM-SCV-5	23	Vulvar SCC	681	8.85	Single report
245	GGC	AGC	Gly	Ser	DMU	UM-SCV-7	440	Vulvar SCC	681	0	Confirmed in another publication
249	AGG	del1b	Arg	Fs.	DMU	UM-SCV-7	26	Vulvar SCC	681	NA	Confirmed in another publication
248	CGG	CAG	Arg	Gln	SM	UT-SCV-1	883	Vulvar SCC	1625	0	Single report

Hepatocellular carcinoma

Table I : cell lines with wt p53

Cell line	ATCC	Reference
HuH-6 clone 5		1006
HuH-1*		1042
HCC-M*		1042
SK-Hep1	HTB-52	1042
HepG2	HB-8065	1042
WRL 68		230
FOCUS*,**		232

HBV positive

Table II : cell lines with p53 gene deletion or rearrangement

Cell line	ATCC	Reference
Hep3B*	HB-8064	

Table III : cell lines with p53 splice mutation
(exonic mutations that modify splice are listed in table IV)

No data

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
281	GAC	CAC	Asp	His	SM	OHR	41	hepatoblastoma	589	0.66	Single report
139	AAG	GAG	Lys	Glu	SM	HCC-T	3	Hepatocellular carcinoma	1042	60.6	Single report
249	AGG	AGT	Arg	Ser	SM	HCKI-1	389	Hepatocellular carcinoma	1356	12.42	Single report
244	GGC	GCC	Gly	Ala	SM	HLE	10	Hepatocellular carcinoma	1069	0	Controversy with other publications
249	AGG	AGC	Arg	Ser	SM	HLE	34	Hepatocellular carcinoma	230	12.42	Controversy with other publications
272	GTG	ATG	Val	Met	SM	HLE	105	Hepatocellular carcinoma	1006	8.79	Controversy with other publications
244	GGC	GCC	Gly	Ala	SM	HLF	10	Hepatocellular carcinoma	230	0	Confirmed in two other publications
264	CTA	del18	Leu	InF	SM	HuH-4	1	Hepatocellular carcinoma	230	NA	Single report
220	TAT	TGT	Tyr	Cys	SM	HuH-7	336	Hepatocellular carcinoma	230	1.21	wt in another publication
249	AGG	AGT	Arg	Ser	SM	Malhavu	389	Hepatocellular carcinoma	232	12.42	Single report
249	AGG	AGT	Arg	Ser	SM	PLC/PRF/5	389	Hepatocellular carcinoma	38	12.42	Confirmed in two other publications
164	AAG	TAG	Lys	Stop	SM	SNU-387	18	Hepatocellular carcinoma	2249	NA	Mutation in COSMIC database
161	GCC	ACC	Ala	Thr	SM	SNU-449	75	Hepatocellular carcinoma	2249	13.25	Mutation in COSMIC database
262	GGT	GAT	Gly	Asp	SM	SNU-475	6	Hepatocellular carcinoma	2249	11.22	Mutation in COSMIC database
200	AAT	AAA	Asn	Lys	SM	TONG/HCC	1	Hepatocellular carcinoma	1042	22.72	wt in another publication

Head and Neck SCC

Table I : cell lines with wt p53

Cell line	ATCC	Ref.
MO24		2252
PCI-30		2252
UM-SCC-17A/B		2252
UM-SCC-25		2252
UM-SCC-47		2252
UM-SCC-72		2252
UM-SCC-74A		2252
UM-SCC-74B		2252
UM-SCC-81A		2252
UPCI-SCC-3		1544
UPCI-SCC-30		1544
UPCI-SCC-40		1544
UPCI-SCC-56		1544
UPCI-SCC-81		1544
UPCI-SCC-104		1544
UPCI-SCC-131		1544
UPCI-SCC-142		1544
UPCI-SCC-154		1544
HOC927		105
BICR-10		208
BICR-18		208
MSK-922		600
MSK-121		600
MDA-1986		600
MDA-886		600
584		600
185		600
1483		600
183A		600
NHOK		626
HOK-16B		626
HOK-18A		626
HAp-2		626

Table II : cell lines with p53 gene deletion or rearrangement

No data

Table III : cell lines with p53 splice mutation
(exonic mutations that modify splice are listed in table IV)

Cell line	ATCC	Mutation	reference
HSC-2		Splice intron 6	105
BICR-22		Splice intron 8	208
NU		Splice intron 6	105

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
175	CGC	CAC	Arg	His	SM	Detroit562	1187	Head and Neck	2249	12.41	Mutation in COSMIC database
281	GAC	CAC	Asp	His	SM	TYS	41	Head and Neck	1056	0.66	Single report
258	GAA	AAA	Glu	Lys	SM	4197	73	Head and Neck SCC	1076	0.31	Single report
180	GAG	del1b	Glu	Fs.	SM	A253	1	Head and Neck SCC	2249	NA	Mutation in COSMIC database
275	TGT	TGG	Cys	Trp	SM	A30	11	Head and Neck SCC	2032	0.73	Single report
183	TCA	TAA	Ser	Stop	SM	BB30-HNC	3	Head and Neck SCC	2249	NA	Mutation in COSMIC database
146	TGG	TGA	Trp	Stop	SM	BICR-16	51	Head and neck SCC	208	NA	Single report
332	ATC	del99	Ile	InF	SM	BICR-19	1	Head and neck SCC	208	NA	Single report
308	CTG	del19	Leu	Fs.	SM	BICR-22	1	Head and neck SCC	208	NA	Single report
282	CGG	CCG	Arg	Pro	SM	BICR-3	21	Head and neck SCC	208	0	Single report
173	GTG	del3b	Val	InF	SM	BICR-31	2	Head and neck SCC	208	NA	Single report
126	TAC	del21	Tyr	InF	SM	BICR-56	4	Head and neck SCC	208	NA	Single report
192	CAG	TAG	Gln	Stop	SM	BICR-6	85	Head and neck SCC	208	NA	Single report
151	CCC	CAC	Pro	His	SM	BICR-7	33	Head and neck SCC	208	10.75	Single report
248	CGG	TGG	Arg	Trp	SM	Ca9-22	728	Head and neck SCC	105	0	Single report
193	CAT	CTT	His	Leu	SM	CAL-27	55	Head and Neck SCC	1854	11.02	Single report
175	CGC	CAC	Arg	His	SM	CAL-33	1187	Head and Neck SCC	2249	12.41	Mutation in COSMIC database
188	CTG	del12	Leu	InF	SM	DOK	1	Head and Neck SCC	418	NA	Single report
213	CGA	TGA	Arg	Stop	SM	EVSCC1	306	Head and Neck SCC	153	NA	Single report
248	CGG	CTG	Arg	Leu	SM	FaDu	124	Head and Neck SCC	153	0	Confirmed in two other publications
248	CGG	TGG	Arg	Trp	SM	FS-1	728	Head and Neck SCC	2252	0	Single report
267	CGG	TGG	Arg	Trp	SM	GL	37	Head and Neck SCC	1846	1.68	Single report
193	CAT	CTT	His	Leu	SM	HN	55	Head and Neck SCC	2249	11.02	Mutation in COSMIC database
266	GGA	CGA	Gly	Arg	SM	HO-1-N-1	20	Head and Neck SCC	2249	10.77	Mutation in COSMIC database
285	GAG	AAG	Glu	Lys	SM	HOC313	165	Head and neck SCC	105	0.58	Single report
126	TAC	TAG	Tyr	Stop	SM	HOC605	14	Head and neck SCC	105	NA	Single report
281	GAC	GAG	Asp	Glu	SM	HOC719	26	Head and neck SCC	105	1.66	Single report
205	TAT	TGT	Tyr	Cys	SM	HOC815	117	Head and neck SCC	105	8.94	Single report
305	AAG	ins1a	Lys	Fs.	SM	HSC-3	1	Head and neck SCC	105	NA	Single report
248	CGG	CAG	Arg	Gln	SM	HSC-4	883	Head and neck SCC	105	0	Single report
237	ATG	ATA	Met	Ile	SM	HSC-5	123	Head and neck SCC	105	0.43	Single report
266	GGA	GAA	Gly	Glu	SM	HSQ-89	74	Head and Neck SCC	2252	0	Single report
194	CTT	CGT	Leu	Arg	SM	HU 281	66	Head and Neck SCC	202	10.61	Single report
298	GAG	TAG	Glu	Stop	SM	JSQ-3	71	Head and neck SCC	160	NA	Single report

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
52	CAA	ins3a	Gln	InF	SM	KOSC-2	1	Head and Neck SCC	2249	NA	Mutation in COSMIC database
248	CGG	TGG	Arg	Trp	SM	KOSC-3	728	Head and Neck SCC	598	0	Single report
176	TGC	TGG	Cys	Trp	SM	KUMA-3	19	Head and Neck SCC	2252	15.16	Single report
179	CAT	CGT	His	Arg	SM	LB771-HNC	146	Head and Neck SCC	2249	13.02	Mutation in COSMIC database
258	GAA	GGA	Glu	Gly	SM	MDA-1186	20	Head and Neck SCC	600	0	Single report
280	AGA	CCA	Arg	Pro	DMU	MDA-1386	1	Head and Neck SCC	600	NR	Single report
282	CGG	TGG	Arg	Trp	DMU	MDA-1386	600	Head and Neck SCC	600	0.55	Single report
126	TAC	TGC	Tyr	Cys	SM	MDA-1483	17	Head and Neck SCC	2032	11.62	Single report
273	CGT	CTT	Arg	Leu	SM	MDA-1586	147	Head and Neck SCC	600	0.86	Single report
218	GTG	GGG	Val	Gly	DMU	MDA-1686	11	Head and Neck SCC	600	61.46	Single report
256	ACA	del1c	Thr	Fs.	DMU	MDA-1686	1	Head and Neck SCC	600	NA	Single report
151	CCC	TCC	Pro	Ser	SM	MDA-183	92	Head and Neck SCC	2032	0.85	Single report
151	CCC	TCC	Pro	Ser	SM	MDA-686	92	Head and Neck SCC	600	0.85	Confirmed in another publication
283	CGC	CCC	Arg	Pro	SM	MKG 7	35	Head and Neck SCC	1846	0.18	Single report
244	GGC	AGC	Gly	Ser	SM	MSK-QLL1	72	Head and Neck SCC	600	0.34	Single report
196	CGA	TGA	Arg	Stop	SM	MSK-QLL2	241	Head and Neck SCC	600	NA	Single report
220	TAT	CAT	Tyr	His	SM	NA	15	Head and neck SCC	105	0.97	Single report
248	CGG	TGG	Arg	Trp	SM	NOS-1	728	Head and Neck SCC	1784	0	wt in COSMIC
132	AAG	GAG	Lys	Glu	SM	OC2	25	Head and Neck SCC	1854	0.56	Single report
173	GTG	TTG	Val	Leu	SM	OC3	68	Head and Neck SCC	2224	3.61	Single report
266	GGA	GAA	Gly	Glu	SM	OM1	74	Head and neck SCC	105	0	Single report
283	CGC	CGG	Arg	Arg	MM	OSC-1	5	Head and Neck SCC	1207	NR	Single report
299	CTG	CTA	Leu	Leu	MM	OSC-1	2	Head and Neck SCC	1207	NR	Single report
346	GAG	AAG	Glu	Lys	MM	OSC-1	1	Head and Neck SCC	1207	60.67	Single report
280	AGA	ACA	Arg	Thr	SM	OSC-2	92	Head and Neck SCC	1207	0.29	Single report
116	TCT	TCC	Ser	Ser	DMU	OSC-3	2	Head and Neck SCC	1207	NR	Single report
176	TGC	TTC	Cys	Phe	DMU	OSC-3	191	Head and Neck SCC	1207	22.88	Single report
174	AGG	AGA	Arg	Arg	SM	OSC-4	7	Head and Neck SCC	1207	NR	Single report
150	ACA	GCA	Thr	Ala	DMU	OSC-5	3	Head and Neck SCC	1207	52.88	Single report
190	CCT	CCC	Pro	Pro	DMU	OSC-5	2	Head and Neck SCC	1207	NR	Single report
95	TCT	CCT	Ser	Pro	DMU	OSC-6	1	Head and Neck SCC	1207	63.47	Single report
126	TAC	TAG	Tyr	Stop	DMU	OSC-6	14	Head and Neck SCC	1207	NA	Single report
54	TTC	TAC	Phe	Tyr	SM	OSC-7	2	Head and Neck SCC	1207	60.64	Single report
193	CAT	TAT	His	Tyr	DMU	OSC-8	41	Head and Neck SCC	1207	4.97	Single report

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
256	ACA	ATA	Thr	Ile	DMU	OSC-8	6	Head and Neck SCC	1207	5.83	Single report
273	CGT	CAT	Arg	His	DMU	OSC-9	780	Head and Neck SCC	1207	1.01	Single report
309	CCC	ACC	Pro	Thr	DMU	OSC-9	2	Head and Neck SCC	1207	60.26	Single report
286	GAA	AAA	Glu	Lys	SM	PCI-13	86	Head and Neck SCC	2252	11.07	Single report
336	GAG	TAG	Glu	Stop	SM	SAS	5	Head and Neck SCC	2249	NA	Mutation in COSMIC database
216	GTG	GGG	Val	Gly	SM	SCC-12B	5	Head and neck SCC	208	2.05	Single report
258	GAA	AAA	Glu	Lys	SM	SCC-13	73	Head and neck SCC	208	0.31	Single report
224	GAG	ins5c	Glu	Fs.	SM	SCC-15	1	Head and Neck SCC	626	NA	Single report
209	AGA	del2a	Arg	Fs.	SM	SCC-25	20	Head and Neck SCC	208	NA	Confirmed in COSMIC database
175	CGC	CAC	Arg	His	SM	SCC-27	1187	Head and neck SCC	208	12.41	Single report
273	CGT	CAT	Arg	His	SM	SCC-35	780	Head and neck SCC	160	1.01	Single report
151	CCC	TCC	Pro	Ser	SM	SCC-4	92	Head and neck SCC	208	0.85	Confirmed in another publication
258	GAA	AAA	Glu	Lys	SM	SCC-4451	73	Head and Neck SCC	1937	0.31	Single report
274	GTT	del32c	Val	Fs.	SM	SCC-9	1	Head and Neck SCC	2249	NA	Mutation in COSMIC database
249	AGG	AGC	Arg	Ser	SM	SKX	34	Head and Neck SCC	1846	12.42	Single report
196	CGA	TGA	Arg	Stop	SM	SQ-38	241	Head and neck SCC	160	NA	Single report
271	GAG	del1	Glu	Fs.	SM	SQ9G	2	Head and Neck SCC	160	NA	Single report
151	CCC	TCC	Pro	Ser	SM	SSC-4	92	Head and Neck SCC	202	0.85	Single report
274	GTT	del32	Val	Fs.	SM	SSC-9	1	Head and Neck SCC	160	NA	Single report
248	CGG	TGG	Arg	Trp	SM	TSU	728	Head and neck SCC	105	0	Single report
171	GAG	del46c	Glu	Fs.	SM	TU-139	1	Head and Neck SCC	626	NA	Single report
151	CCC	TCC	Pro	Ser	SM	TU-177	92	Head and Neck SCC	626	0.85	Single report
224	GAG	TAG	Glu	Stop	SM	UD-SCC-3	10	Head and Neck SCC	1636	NA	Single report
222	CCG	del13	Pro	Fs.	SM	UD-SCC-4	1	Head and Neck SCC	1636	NA	Single report
179	CAT	TAT	His	Tyr	SM	UD-SCC-5	128	Head and Neck SCC	1636	13.27	Single report
220	TAT	TGT	Tyr	Cys	SM	UD-SCC-6	336	Head and Neck SCC	1636	1.21	Single report
248	CGG	CTG	Arg	Leu	SM	UD-SCC-7	124	Head and Neck SCC	1636	0	Single report
155	ACC	AAC	Thr	Asn	SM	UD-SCC-8	34	Head and Neck SCC	1636	8.59	Single report
349	GAA	TAA	Glu	Stop	SM	UMB-SCC-745	7	Head and Neck SCC	2245	NA	Single report
270	TTT	del1a	Phe	Fs.	SM	UMB-SCC-864	3	Head and Neck SCC	2245	NA	Single report
205	TAT	CAT	Tyr	His	SM	UMB-SCC-969	12	Head and Neck SCC	2245	6.44	Single report
245	GGC	TGC	Gly	Cys	SM	UM-SCC-10A	86	Head and Neck SCC	153	0	Single report
245	GGC	TGC	Gly	Cys	SM	UM-SCC-10B	86	Head and Neck SCC	153	0	Single report
242	TGC	TCC	Cys	Ser	SM	UM-SCC-11B	19	Head and Neck SCC	1636	0	Single report

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
104	CAG	TAG	Gln	Stop	SM	UM-SCC-12	18	Head and Neck SCC	1983	NA	Single report
163	TAC	TGC	Tyr	Cys	SM	UM-SCC-13	140	Head and Neck SCC	1983	18.3	Single report
277	TGT	del30	Cys	InF	SM	UM-SCC-14	2	Head and Neck SCC	1019	NA	Controversy with other publications
277	TGT	del30	Cys	InF	DMU	UM-SCC-14	2	Head and Neck SCC	1636	NA	Controversy with other publications
280	AGA	AGT	Arg	Ser	DMU	UM-SCC-14	14	Head and Neck SCC	1636	20.55	Controversy with other publications
248	CGG	CTG	Arg	Leu	SM	UM-SCC-16	124	Head and Neck SCC	153	0	Single report
148	GAT	del10	Asp	Fs.	SM	UM-SCC-19	2	Head and Neck SCC	153	NA	Single report
71	CCC	del2a	Pro	Fs.	SM	UM-SCC-20	1	Head and Neck SCC	1983	NA	Single report
220	TAT	TGT	Tyr	Cys	SM	UM-SCC-22	336	Head and Neck SCC	2245	1.21	Single report
176	TGC	TTC	Cys	Phe	SM	UM-SCC-23	191	Head and Neck SCC	153	22.88	Single report
273	CGT	TGT	Arg	Cys	SM	UM-SCC-27	687	Head and Neck SCC	2245	0.91	Single report
248	CGG	CAG	Arg	Gln	SM	UM-SCC-3	883	Head and Neck SCC	2245	0	Single report
158	CGC	CCC	Arg	Pro	SM	UM-SCC-36	21	Head and Neck SCC	1983	10.17	Single report
213	CGA	TGA	Arg	Stop	SM	UM-SCC-4	306	Head and Neck SCC	2245	NA	Single report
278	CCT	GCT	Pro	Ala	SM	UM-SCC-46	24	Head and Neck SCC	1983	14.87	Single report
157	GTC	TTC	Val	Phe	SM	UM-SCC-5	177	Head and Neck SCC	2248	9.06	Single report
273	CGT	CTT	Arg	Leu	SM	UM-SCC-57	147	Head and Neck SCC	1983	0.86	Single report
242	TGC	TTC	Cys	Phe	SM	UM-SCC-63	88	Head and Neck SCC	153	13.79	Single report
248	CGG	TGG	Arg	Trp	SM	UM-SCC-68	728	Head and Neck SCC	1983	0	Single report
193	CAT	CGT	His	Arg	SM	UM-SCC-81B	86	Head and Neck SCC	1983	10.15	Single report
306	CGA	TGA	Arg	Stop	SM	UPCI:SCC-103	160	Head and Neck SCC	1544	NA	Single report
155	ACC	CCC	Thr	Pro	SM	UPCI:SCC-105	20	Head and Neck SCC	1544	7.8	Single report
179	CAT	TAT	His	Tyr	SM	UPCI:SCC-111	128	Head and Neck SCC	1544	13.27	Single report
248	CGG	CAG	Arg	Gln	SM	UPCI:SCC-114	883	Head and Neck SCC	1544	0	Single report
175	CGC	CAC	Arg	His	SM	UPCI:SCC-116	1187	Head and Neck SCC	1544	12.41	Single report
273	CGT	CAT	Arg	His	SM	UPCI:SCC-122	780	Head and Neck SCC	1544	1.01	Single report
151	CCC	CAC	Pro	His	SM	UPCI:SCC-125	33	Head and Neck SCC	1544	10.75	Single report
224	GAG	TAG	Glu	Stop	SM	UPCI:SCC-136	10	Head and Neck SCC	1544	NA	Single report
282	CGG	TGG	Arg	Trp	SM	UPCI:SCC-16	600	Head and Neck SCC	1544	0.55	Single report
155	ACC	CCC	Thr	Pro	SM	UPCI:SCC-172	20	Head and Neck SCC	1544	7.8	Single report
294	GAG	TAG	Glu	Stop	SM	UPCI:SCC-182	54	Head and Neck SCC	1544	NA	Single report
280	AGA	ACA	Arg	Thr	SM	UPCI:SCC-29B	92	Head and Neck SCC	1544	0.29	Single report
195	ATC	TTC	Ile	Phe	SM	UPCI:SCC-36	29	Head and Neck SCC	1544	10.47	Single report
248	CGG	CAG	Arg	Gln	SM	UPCI:SCC-70	883	Head and Neck SCC	1544	0	Single report

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
179	CAT	AAT	His	Asn	SM	UPCI:SCC-72	23	Head and Neck SCC	1544	19.3	Single report
177	CCC	CGC	Pro	Arg	SM	UPCI:SCC-99	19	Head and Neck SCC	1544	17.88	Single report
196	CGA	TGA	Arg	Stop	SM	UT-SCC-1	241	Head and Neck SCC	1019	NA	Single report
144	CAG	TAG	Gln	Stop	DMU	UT-SCC-10	53	Head and Neck SCC	1019	NA	Single report
306	CGA	TGA	Arg	Stop	DMU	UT-SCC-10	160	Head and Neck SCC	1019	NA	Single report
342	CGA	TGA	Arg	Stop	SM	UT-SCC-12	74	Head and Neck SCC	2250	NA	Single report
110	CGT	TGT	Arg	Cys	DMU	UT-SCC-16	11	Head and Neck SCC	1019	10.91	Single report
232	ATC	AAC	Ile	Asn	DMU	UT-SCC-16	13	Head and Neck SCC	1019	0.72	Single report
285	GAG	AAG	Glu	Lys	SM	UT-SCC-19	165	Head and Neck SCC	2250	0.58	Single report
275	TGT	TTT	Cys	Phe	SM	UT-SCC-2	47	Head and Neck SCC	1019	0.02	Single report
248	CGG	TGG	Arg	Trp	SM	UT-SCC-20	728	Head and Neck SCC	1019	0	Single report
238	TGT	TTT	Cys	Phe	SM	UT-SCC-22	42	Head and Neck SCC	1636	0.82	Single report
282	CGG	CCG	Arg	Pro	SM	UT-SCC-30	21	Head and Neck SCC	1019	0	Single report
282	CGG	TGG	Arg	Trp	SM	UT-SCC-33	600	Head and Neck SCC	1636	0.55	Single report
248	CGG	del9	Arg	InF	SM	UT-SCC-4	1	Head and Neck SCC	2250	NA	Single report
151	CCC	CAT	Pro	His	SM	UT-SCC-5	3	Head and Neck SCC	1019	10.75	Single report
266	GGA	GAA	Gly	Glu	SM	UT-SCC-7	74	Head and Neck SCC	2250	0	Single report
255	ATC	TTC	Ile	Phe	SM	UT-SCC-8	37	Head and Neck SCC	2250	0.48	Single report
273	CGT	CTT	Arg	Leu	SM	VU1131	147	Head and Neck SCC	1996	0.86	Single report
282	CGG	TGG	Arg	Trp	SM	VU1365	600	Head and Neck SCC	1996	0.55	Single report
236	TAC	TAA	Tyr	Stop	SM	YD-10B	12	Head and Neck SCC	2189	NA	Single report
258	GAA	GCA	Glu	Ala	SM	YD-15	3	Head and Neck SCC	2189	0	Single report
273	CGT	CAT	Arg	His	SM	YD-8	780	Head and Neck SCC	2189	1.01	Single report
279	GGG	GAG	Gly	Glu	SM	ZA	42	Head and neck SCC	105	0.27	Single report

Leukemia / Lymphoma

Table I : cell lines with wt p53

Cell line	ATCC	Origin	Ref
J-111		AML	1006
IM-9	CCL-159	CML-B	1006
ML-1		CML	
KMS-12-BM		Myeloma	1006
KMS-12-PE		Myeloma	1006
RPMI-1788	CCL156	Myeloma	1006
Ly3		Diffuse large cell lymphoma	613
DHL4		Diffuse large cell lymphoma	613
JJN-3		Myeloma	98
XG-3		Myeloma	98
PL-21		Myeloid Leukemia	126
ALL-B		ALL	1303
ALL-G		ALL	1303
ALL-K		ALL	1303
NGR		ALL	1303
SCO-1		ALL	1303
BRE		ALL	1303
HAU		ALL	1303
WMN		Burkitt lymphoma	447
FWL		Lymphoblastoid	447
NL2		Lymphoblastoid	447
AG876		Burkitt lymphoma	447
SHO		Burkitt lymphoma	447
JLP119		Burkitt lymphoma	447
EW36		Burkitt lymphoma	447
Reh	CRL-8286	ALL	1627
UoC-B1		ALL	1627
UoC-B3		ALL	1627
UoC-B4		ALL	1627
UoC-B11		ALL	1627
SUP-B7		ALL	1627
SUP-B13		ALL	1627
SUP-B15		ALL	1627
EU-1		ALL	1627
EU-3		ALL	1627

Table II : cell lines with p53 gene deletion or rearrangement

Cell line	ATCC	Origin	
HL-60	CCL-240	promyelocytic leukemia	
EU-4		ALL	

Table III : cell lines with p53 splice mutation

(exonic mutations that modify splice are listed in table IV)

no data

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
306	CGA	TGA	Arg	Stop	SM	2L1	160	Acute Myelogenous Leukemia	2048	NA	from patient RUPN84. Single report
236	TAC	CAC	Tyr	His	MM	CG2	13	Acute Myelogenous Leukemia	356	14.28	Single report
237	ATG	GTG	Met	Val	MM	CG2	14	Acute Myelogenous Leukemia	356	13.83	Single report
248	CGG	CAG	Arg	Gln	MM	CG2	883	Acute Myelogenous Leukemia	356	0	Single report
133	ATG	AAG	Met	Lys	SM	HEL	13	Acute Myelogenous Leukemia	1006	10.08	wt in COSMIC
248	CGG	TGG	Arg	Trp	SM	K051	728	Acute Myelogenous Leukemia	243	0	Single report
248	CGG	TGG	Arg	Trp	SM	K052	728	Acute Myelogenous Leukemia	243	0	Single report
248	CGG	CAG	Arg	Gln	SM	KASUMI-1	883	Acute Myelogenous Leukemia	2249	0	Mutation in COSMIC database
272	GTG	ATG	Val	Met	SM	KMOE-2	105	Acute Myelogenous Leukemia	2249	8.79	Mutation in COSMIC database
241	TCC	CCC	Ser	Pro	SM	ML-1	11	Acute Myelogenous Leukemia	2198	0.48	Single report
273	CGT	CAT	Arg	His	SM	MONOMAC-1	780	Acute Myelogenous Leukemia	2198	1.01	Single report
241	TCC	del1c	Ser	Fs.	SM	NOMO-1	4	Acute Myelogenous Leukemia	2249	NA	Mutation in COSMIC database
172	GTT	TTT	Val	Phe	DMU	OHN-GM	19	Acute Myelogenous Leukemia	2049	8.17	Single report
238	TGT	TAT	Cys	Tyr	DMU	OHN-GM	98	Acute Myelogenous Leukemia	2049	14.58	Single report
195	ATC	ACC	Ile	Thr	SM	SHI-1	90	Acute Myelogenous Leukemia	2207	11.24	Single report
288	AAT	TAT	Asn	Tyr	SM	YSK-21	5	Acute Myelogenous Leukemia	1710	50.99	Single report
109	TTC	TCC	Phe	Ser	SM	ALL-A	3	B-Acute Lymphoblastic Leukemia	1303	11.17	Single report
265	CTG	CCG	Leu	Pro	SM	ALL-C	23	B-Acute Lymphoblastic Leukemia	1303	0	Single report
248	CGG	CAG	Arg	Gln	SM	ALL-PO	883	B-Acute Lymphoblastic Leukemia	2249	0	Mutation in COSMIC database
109	TTC	TCC	Phe	Ser	SM	ALL-W	3	B-Acute Lymphoblastic Leukemia	1303	11.17	Single report
248	CGG	CAG	Arg	Gln	SM	EU-10	883	B-Acute Lymphoblastic Leukemia	1627	0	Single report
248	CGG	CAG	Arg	Gln	SM	EU-11	883	B-Acute Lymphoblastic Leukemia	1627	0	Single report
248	CGG	CAG	Arg	Gln	SM	EU-13	883	B-Acute Lymphoblastic Leukemia	1627	0	Single report
273	CGT	CTT	Arg	Leu	SM	EU-18	147	B-Acute Lymphoblastic Leukemia	1627	0.86	Single report
248	CGG	CAG	Arg	Gln	SM	EU-2	883	B-Acute Lymphoblastic Leukemia	617	0	Single report
273	CGT	CTT	Arg	Leu	SM	EU-6	147	B-Acute Lymphoblastic Leukemia	617	0.86	Single report
248	CGG	CAG	Arg	Gln	SM	EU-7	883	B-Acute Lymphoblastic Leukemia	617	0	Single report
246	ATG	ACG	Met	Thr	SM	GR-ST	13	B-Acute Lymphoblastic Leukemia	2249	0	Mutation in COSMIC database
124	TGC	TGA	Cys	Stop	SM	HPB-ALL	1	B-Acute Lymphoblastic Leukemia	2198	NA	Single report
273	CGT	TGT	Arg	Cys	SM	KARPAS-45	687	B-Acute Lymphoblastic Leukemia	2249	0.91	Mutation in COSMIC database
224	GAG	ins5	Glu	Fs.	SM	KG-1	1	B-Acute Lymphoblastic Leukemia	126	NA	Single report
225	GTT	ATT	Val	Ile	SM	KG-1a	4	B-Acute Lymphoblastic Leukemia	163	57.07	Single report
177	CCC	TCC	Pro	Ser	SM	KMO-90	19	B-Acute Lymphoblastic Leukemia	239	34.33	Single report
245	GGC	AGC	Gly	Ser	SM	KOPM30	440	B-Acute Lymphoblastic Leukemia	661	0	Single report

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
245	GGC	CGC	Gly	Arg	SM	KOPN32	20	B-Acute Lymphoblastic Leukemia	661	7.9	Single report
257	CTG	GTG	Leu	Val	SM	KOPN35	7	B-Acute Lymphoblastic Leukemia	661	1.08	Single report
282	CGG	ins2b	Arg	Fs.	SM	KOPN49	1	B-Acute Lymphoblastic Leukemia	661	NA	Single report
209	AGA	ins4b	Arg	Fs.	SM	KOPN63	1	B-Acute Lymphoblastic Leukemia	661	NA	Single report
175	CGC	TGC	Arg	Cys	MM	SCMC-L9	28	B-Acute Lymphoblastic Leukemia	478	61.6	Single report
248	CGG	CAG	Arg	Gln	MM	SCMC-L9	883	B-Acute Lymphoblastic Leukemia	478	0	Single report
358	GAG	AAG	Glu	Lys	MM	SCMC-L9	1	B-Acute Lymphoblastic Leukemia	478	54.45	Single report
246	ATG	ACG	Met	Thr	SM	Tanoue	13	B-Acute Lymphoblastic Leukemia	2242	0	Single report
175	CGC	CAC	Arg	His	SM	TMBL-1	1187	B-Acute Lymphoblastic Leukemia	1967	12.41	Single report
220	TAT	TGT	Tyr	Cys	SM	U-698-M	336	B-Acute Lymphoblastic Leukemia	2249	1.21	Mutation in COSMIC database
281	GAC	GGC	Asp	Gly	SM	BALL-1	16	B-cell Leukemia	2242	12.06	Single report
248	CGG	CTG	Arg	Leu	SM	HL-60(TB)	124	B-cell Leukemia	1018	0	Single report
132	AAG	AGG	Lys	Arg	SM	KU812	51	B-cell Leukemia	1006	14.1	wt in COSMIC
285	GAG	AAG	Glu	Lys	SM	RPMI-8226	165	B-cell Leukemia	1018	0.58	Single report
237	ATG	ATA	Met	Ile	SM	WI-L2-NS	123	B-cell Leukemia	637	0.43	Controversy with other publications
330	CTT	CAT	Leu	His	SM	WI-L2-NS	4	B-cell Leukemia	769	9.21	Controversy with other publications
280	AGA	CGA	Arg	Arg	SM	2	1	B-cell Lymphoma	1098	NR	Single report
127	TCC	TTC	Ser	Phe	SM	3	30	B-cell Lymphoma	1098	12.47	Single report
176	TGC	TCC	Cys	Ser	SM	5	13	B-cell Lymphoma	1098	13.27	Single report
248	CGG	CAG	Arg	Gln	SM	6	883	B-cell Lymphoma	1098	0	Single report
273	CGT	TGT	Arg	Cys	SM	8	687	B-cell Lymphoma	1098	0.91	Single report
274	GTT	CTT	Val	Leu	SM	9	16	B-cell Lymphoma	1098	1.22	Single report
213	CGA	CAA	Arg	Gln	DMD	A3/KAW	38	B-cell Lymphoma	3	2.19	Single report
234	TAC	CAC	Tyr	His	DMD	A3/KAW	25	B-cell Lymphoma	3	0	Single report
283	CGC	CAC	Arg	His	SM	DG-75	19	B-cell Lymphoma	1143	0.46	Single report
216	GTG	ATG	Val	Met	DMU	HT	74	B-cell Lymphoma	2249	0.16	Mutation in COSMIC database
273	CGT	CAT	Arg	His	DMU	HT	780	B-cell Lymphoma	2249	1.01	Mutation in COSMIC database
158	CGC	CAC	Arg	His	DMU	LY1	105	B-cell Lymphoma	613	8.78	Single report
176	TGC	GGC	Cys	Gly	DMU	LY1	7	B-cell Lymphoma	613	15.95	Single report
238	TGT	CGT	Cys	Arg	SM	LY17	26	B-cell Lymphoma	613	0.48	Single report
176	TGC	TTC	Cys	Phe	SM	LY2	191	B-cell Lymphoma	613	22.88	Single report
245	GGC	GAC	Gly	Asp	SM	LY7	171	B-cell Lymphoma	613	1.95	Single report
282	CGG	CCG	Arg	Pro	SM	LY8 C3	21	B-cell Lymphoma	613	0	Single report
248	CGG	CAG	Arg	Gln	SM	DB	883	B-Lineage Diffuse Large Cell L	2249	0	Mutation in COSMIC database

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
273	CGT	TGT	Arg	Cys	SM	KARPAS-299	687	B-Lineage Diffuse Large Cell L	2249	0.91	Mutation in COSMIC database
319	AAG	TAG	Lys	Stop	SM	KARPAS-422	5	B-Lineage Diffuse Large Cell L	2249	NA	Mutation in COSMIC database
273	CGT	TGT	Arg	Cys	SM	Abana	687	Burkitt lymphoma	2247	0.91	Single report
190	CCT	del1	Pro	Fs.	SM	AKATA	1	Burkitt lymphoma	75	NA	Single report
248	CGG	CAG	Arg	Gln	SM	AKUA	883	Burkitt lymphoma	447	0	Single report
206	TTG	del1	Leu	Fs.	SM	AS283A	2	Burkitt lymphoma	44	NA	Single report
193	CAT	CGT	His	Arg	SM	BJAB	86	Burkitt lymphoma	75	10.15	Single report
273	CGT	TGT	Arg	Cys	SM	BL-113	687	Burkitt lymphoma	44	0.91	Single report
246	ATG	ACG	Met	Thr	SM	BL-30	13	Burkitt lymphoma	75	0	Single report
237	ATG	ATA	Met	Ile	SM	BL-37	123	Burkitt lymphoma	44	0.43	Single report
248	CGG	CAG	Arg	Gln	SM	BL-41	883	Burkitt lymphoma	75	0	Single report
176	TGC	TAC	Cys	Tyr	DMU	BL-49	88	Burkitt lymphoma	44	14.82	Single report
248	CGG	TGG	Arg	Trp	DMU	BL-49	728	Burkitt lymphoma	44	0	Single report
282	CGG	TGG	Arg	Trp	SM	BL-60	600	Burkitt lymphoma	44	0.55	Single report
273	CGT	TGT	Arg	Cys	SM	BL-70	687	Burkitt lymphoma	2249	0.91	Mutation in COSMIC database
213	CGA	TGA	Arg	Stop	SM	BL-99	306	Burkitt lymphoma	44	NA	Single report
248	CGG	CAG	Arg	Gln	SM	CA46	883	Burkitt lymphoma	447	0	Single report
175	CGC	CAC	Arg	His	SM	CW678	1187	Burkitt lymphoma	44	12.41	Single report
213	CGA	TGA	Arg	Stop	SM	DAUDI	306	Burkitt lymphoma	44	NA	Controversy with other publications
266	GGA	GAA	Gly	Glu	SM	DAUDI	74	Burkitt lymphoma	2249	0	Controversy with other publications
248	CGG	CAG	Arg	Gln	SM	DH978	883	Burkitt lymphoma	1030	0	Single report
206	TTG	del1	Leu	Fs.	SM	EB3	2	Burkitt lymphoma	44	NA	Single report
152	CCG	CTG	Pro	Leu	DMD	GA-10	91	Burkitt lymphoma	1819	9.52	Single report
232	ATC	AAC	Ile	Asn	DMD	GA-10	13	Burkitt lymphoma	1819	0.72	Single report
234	TAC	TGC	Tyr	Cys	SM	JD38	133	Burkitt lymphoma	44	2.14	Confirmed in another publication
132	AAG	CAG	Lys	Gln	SM	JIYOYE	14	Burkitt lymphoma	75	10.86	Confirmed in another publication
248	CGG	CAG	Arg	Gln	SM	KK124	883	Burkitt lymphoma	1007	0	Single report
248	CGG	CAG	Arg	Gln	SM	KK125	883	Burkitt lymphoma	44	0	Single report
238	TGT	TAT	Cys	Tyr	SM	LOUCKES	98	Burkitt lymphoma	75	14.58	Confirmed in another publication
238	TGT	TAT	Cys	Tyr	SM	MC116	98	Burkitt lymphoma	44	14.58	Confirmed in another publication
248	CGG	CAG	Arg	Gln	SM	NAMALWA	883	Burkitt lymphoma	75	0	Confirmed in three other publications
163	TAC	CAC	Tyr	His	DMU	P3HR1	26	Burkitt lymphoma	44	11.22	Confirmed in two other publications
287	GAG	TAG	Glu	Stop	DMU	P3HR1	14	Burkitt lymphoma	44	NA	Confirmed in two other publications
273	CGT	TGT	Arg	Cys	SM	PP984	687	Burkitt lymphoma	44	0.91	Single report
213	CGA	CAA	Arg	Gln	DMD	RAJI	38	Burkitt lymphoma	161	2.19	Confirmed in another publication

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
											Some publications described only one of the two mutations
234	TAC	CAC	Tyr	His	DMD	RAJI	25	Burkitt lymphoma	161	0	Confirmed in another publication Some publications described only one of the two mutations
254	ATC	GAC	Ile	Asp	SM	RAMOS	3	Burkitt lymphoma	44	NR	Confirmed in three other publications
175	CGC	ins3a	Arg	InF	SM	SG568	1	Burkitt lymphoma	447	NA	Single report
158	CGC	CAC	Arg	His	SM	ST486	105	Burkitt lymphoma	44	8.78	Consensus based on three puublications. Controversy with other publications Second mutation found by COSMIC
158	CGC	CAC	Arg	His	DMU	ST486	105	Burkitt lymphoma	2249	8.78	Controversy with other publications. Excluded from the consensus
239	AAC	GAC	Asn	Asp	DMU	ST486	53	Burkitt lymphoma	2249	20.19	Controversy with other publications. Excluded from the consensus
289	CTC	CAC	Leu	His	SM	CG3	2	Chronic Myelocytic Leukemia	356	87.06	Single report
136	CAA	ins1a	Gln	Fs.	SM	K-562	1	Chronic Myelocytic Leukemia	269	NA	Confirmed in another publication
301	CCA	DEL1	Pro	Fs.	SM	KCL-22	2	Chronic Myelocytic Leukemia	150	NA	Single report
248	CGG	CAG	Arg	Gln	SM	KYO-1	883	Chronic Myelocytic Leukemia	150	0	Single report
319	AAG	TAG	Lys	Stop	SM	LAMA-84	5	Chronic Myelocytic Leukemia	2249	NA	Mutation in COSMIC database
274	GTT	GAT	Val	Asp	SM	OCIM2	8	Erythroleukemia	12	1.32	Single report
175	CGC	CAC	Arg	His	DMD	CO	1187	Hodgkin disease	55	12.41	Single report
282	CGG	TGG	Arg	Trp	DMD	CO	600	Hodgkin disease	55	0.55	Single report
232	ATC	del11c	Ile	Fs.	SM	HD-MY-Z	1	Hodgkin disease	2249	NA	Mutation in COSMIC database
273	CGT	TGT	Arg	Cys	SM	RPMI-8402	687	Lymphoid leukemia	163	0.91	Single report
147	GTT	GGT	Val	Gly	SM	Mino	8	Mantle Cell Lymphoma	1842	10.49	Single report
241	TCC	TTT	Ser	Phe	DMU	MCC13	6	Merkel cell carcinoma	2088	0	Single report
278	CCT	TCT	Pro	Ser	DMU	MCC13	87	Merkel cell carcinoma	2088	0.34	Single report
272	GTG	GAG	Val	Glu	SM	MCC14/2	12	Merkel cell carcinoma	2088	11.52	Single report

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
255	ATC	del6b	Ile	InF	SM	MEF-1	2	Multiple Myeloma	1363	NA	Single report
248	CGG	CAG	Arg	Gln	SM	SKM-1	883	Myelodysplastic synd.	1363	0	Single report
175	CGC	CAC	Arg	His	SM	KY821	1187	Myeloid leukemia	126	12.41	wt in COSMIC
251	ATC	DEL1B	Ile	Fs.	SM	TF-1	5	Myeloid leukemia	126	NA	Single report
174	AGG	DEL26A	Arg	Fs.	SM	THP-1	1	Myeloid leukemia	126	NA	Confirmed in another publication
172	GTT	DEL46A	Val	Fs.	SM	U937	2	Myeloid leukemia	126	NA	Single report
261	AGT	DEL99A	Ser	InF	SM	UT7	1	Myeloid leukemia	126	NA	Single report
273	CGT	CAT	Arg	His	SM	ARH-77	780	Myeloma	2249	1.01	Mutation in COSMIC database
132	AAG	AAC	Lys	Asn	SM	EJM	33	Myeloma	98	10.49	Single report
143	GTG	ATG	Val	Met	SM	HD-70	34	Myeloma	1004	10.31	Single report
337	CGC	CTC	Arg	Leu	SM	KMS-12-PE	9	Myeloma	2249	10.45	Mutation in COSMIC database
261	AGT	ACT	Ser	Thr	SM	L-363	1	Myeloma	2249	96.18	Mutation in COSMIC database
184	GAT	TAT	Asp	Tyr	SM	LB 831	5	Myeloma	98	58.13	Single report
286	GAA	AAA	Glu	Lys	SM	LP-1	86	Myeloma	2249	11.07	Mutation in COSMIC database
285	GAG	AAG	Glu	Lys	SM	RPMI-8226	165	Myeloma	98	0.58	Single report
161	GCC	ACC	Ala	Thr	SM	U266	75	Myeloma	98	13.25	Single report
126	TAC	AAC	Tyr	Asn	SM	XG-1	6	Myeloma	98	12.03	Single report
176	TGC	TAC	Cys	Tyr	SM	XG-2	88	Myeloma	98	14.82	Single report
181	CGC	TGC	Arg	Cys	SM	XG-4	28	Myeloma	98	26.1	Single report
282	CGG	TGG	Arg	Trp	SM	XG-5	600	Myeloma	98	0.55	Single report
248	CGG	TGG	Arg	Trp	SM	KHYG-1	728	NK-Leukemia	1125	0	Single report
237	ATG	ATA	Met	Ile	DMD	OCI-Ly4	123	Non-Hodgkin's Lymphomas	517	0.43	Single report
248	CGG	CAG	Arg	Gln	DMD	OCI-Ly4	883	Non-Hodgkin's Lymphomas	517	0	Single report
248	CGG	CAG	Arg	Gln	SM	WSU-NHL	883	Non-Hodgkin's Lymphomas	2249	0	Mutation in COSMIC database
37	TCC	CCC	Ser	Pro	MM	CCRF-CEM-VLB100	1	T-cell Acute Lymphoblastic Leu	1703	65.94	Single report
175	CGC	CAC	Arg	His	MM	CCRF-CEM-VLB100	1187	T-cell Acute Lymphoblastic Leu	1703	12.41	Single report

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
248	CGG	CAG	Arg	Gln	MM	CCRF-CEM-VLB100	883	T-cell Acute Lymphoblastic Leu	1703	0	Single report
196	CGA	TGA	Arg	Stop	DMU	J-RT3-T3-5	241	T-cell Acute Lymphoblastic Leu	2249	NA	Mutation in COSMIC database
360	GGG	del1a	Gly	Fs.	DMU	J-RT3-T3-5	2	T-cell Acute Lymphoblastic Leu	2249	NA	Mutation in COSMIC database
196	CGA	TGA	Arg	Stop	MM	JURKAT	241	T-cell Acute Lymphoblastic Leu	3	NA	Single report
256	ACA	GCA	Thr	Ala	MM	JURKAT	9	T-cell Acute Lymphoblastic Leu	3	10.79	Single report
259	GAC	GGC	Asp	Gly	MM	JURKAT	6	T-cell Acute Lymphoblastic Leu	3	17.27	Single report
260	TCC	GCC	Ser	Ala	MM	JURKAT	4	T-cell Acute Lymphoblastic Leu	3	66.25	Single report
272	GTG	ATG	Val	Met	SM	Loucy	105	T-cell Acute Lymphoblastic Leu	1510	8.79	Single report
273	CGT	CAT	Arg	His	SM	MOLT-13	780	T-cell Acute Lymphoblastic Leu	2249	1.01	Mutation in COSMIC database
237	ATG	AGG	Met	Arg	DMU	MOLT-16	8	T-cell Acute Lymphoblastic Leu	3	5.71	wt in COSMIC
244	GGC	TGC	Gly	Cys	DMU	MOLT-16	53	T-cell Acute Lymphoblastic Leu	3	0	wt in COSMIC
111	CTG	GTG	Leu	Val	SM	MOLT-4	1	T-cell Acute Lymphoblastic Leu	2242	26.49	Controversy with other publications
248	CGG	CAG	Arg	Gln	SM	MOLT-4	883	T-cell Acute Lymphoblastic Leu	27	0	Controversy with other publications
306	CGA	TGA	Arg	Stop	SM	MOLT-4	160	T-cell Acute Lymphoblastic Leu	2249	NA	Controversy with other publications
11	GAG	CAG	Glu	Gln	MM	P12-ICHIKAWA	10	T-cell Acute Lymphoblastic Leu	2249	67.48	Mutation in COSMIC database
248	CGG	CCG	Arg	Pro	MM	P12-ICHIKAWA	23	T-cell Acute Lymphoblastic Leu	2249	6.51	Mutation in COSMIC database
248	CGG	CAG	Arg	Gln	MM	P12-ICHIKAWA	883	T-cell Acute Lymphoblastic Leu	2249	0	Mutation in COSMIC database
273	CGT	TGT	Arg	Cys	SM	PF-382	687	T-cell Acute Lymphoblastic Leu	2249	0.91	Mutation in COSMIC database
248	CGG	CAG	Arg	Gln	MM	SUP-T1	883	T-cell Acute Lymphoblastic Leu	2249	0	Mutation in COSMIC database
267	CGG	CTG	Arg	Leu	MM	SUP-T1	1	T-cell Acute Lymphoblastic Leu	2249	3.41	Mutation in COSMIC database
273	CGT	CAT	Arg	His	MM	SUP-T1	780	T-cell Acute Lymphoblastic Leu	2249	1.01	Mutation in COSMIC database
278	CCT	TCT	Pro	Ser	SM	ATL1K	87	T-cell leukemia	82	0.34	Single report
175	CGC	GGC	Arg	Gly	SM	HATL	27	T-cell leukemia	323	10.52	Single report
176	TGC	TAC	Cys	Tyr	SM	MT1	88	T-cell leukemia	82	14.82	Single report
196	CGA	TGA	Arg	Stop	SM	HUT78	241	T-cell Lymphoma	3	NA	Single report

Melanoma

Table I : cell lines with wt p53

Cell line	ATCC	Ref
A375	CRL-1619	
C32TG		1006
HS939	CRL-7690	
HS944T	CRL-7693	
K2		
K4		
K11		
K19		
K23		
K25		
MEL-JUSO		
MeWo	HTB-65	
MGH-BO-1		
MGH-ST-1		
MGH-MC-1		
MGH-QU-1		
MGH-TH-1		
MJM		
MM455		
MM608		
RU		
SK-MEL-23		
SK-MEL-28	HTB-72	
SK-MEL-30		
SK-MEL-63		
SK-MEL-93		
SK-NEL-119		
SK-MEL-147		
Swift		
WM1205		
WM115	CRL-1675	
WM239A		
WM35		

Table II : cell lines with p53 gene deletion or rearrangement

No data

Table III : cell lines with p53 splice mutation
(exonic mutations that modify splice are listed in table IV)

no data

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
247	AAC	ACC	Asn	Thr	DMU	8823	6	Melanoma	1158	0.12	Single report
248	CGG	TGG	Arg	Trp	DMU	8823	728	Melanoma	1158	0	Single report
246	ATG	AGG	Met	Arg	SM	136-2	13	Melanoma	1158	2.86	Single report
236	TAC	CAC	Tyr	His	SM	1402P	13	Melanoma	1927	14.28	Single report
258	GAA	AAA	Glu	Lys	SM	14362M	73	Melanoma	1927	0.31	Single report
278	CCT	TCT	Pro	Ser	SM	16396M	87	Melanoma	1927	0.34	Single report
234	TAC	TGC	Tyr	Cys	SM	17697M	133	Melanoma	1927	2.14	Single report
187	GGT	AGT	Gly	Ser	SM	20842P	12	Melanoma	1927	51.53	Single report
127	TCC	TGC	Ser	Cys	SM	2211M	3	Melanoma	1927	5.32	Single report
175	CGC	CAC	Arg	His	SM	30966M	1187	Melanoma	1927	12.41	Single report
127	TCC	TTC	Ser	Phe	SM	4686M	30	Melanoma	1927	12.47	Single report
213	CGA	CAA	Arg	Gln	SM	518A2	38	Melanoma	1158	2.19	Single report
238	TGT	TAT	Cys	Tyr	SM	607B	98	Melanoma	1158	14.58	Single report
274	GTT	TTT	Val	Phe	SM	A2058	32	Melanoma	2249	0.84	Mutation in COSMIC database
249	AGG	GGG	Arg	Gly	SM	A4-FUK	52	Melanoma	2249	0.17	Mutation in COSMIC database
248	CGG	TGG	Arg	Trp	SM	BE	728	Melanoma	2068	0	Single report
193	CAT	CGT	His	Arg	SM	CHL-1	86	Melanoma	2249	10.15	Mutation in COSMIC database
135	TGC	CGC	Cys	Arg	SM	COLO-800	11	Melanoma	2249	0.86	Mutation in COSMIC database
278	CCT	CGT	Pro	Arg	SM	DX-3	39	Melanoma	347	0.72	Single report
268	AAC	ATC	Asn	Ile	SM	HMV-II	2	Melanoma	2249	0.92	Mutation in COSMIC database
229	TGT	del2b	Cys	Fs.	SM	IGR39D	6	Melanoma	1158	NA	Single report
213	CGA	TGA	Arg	Stop	SM	IPC-298	306	Melanoma	2249	NA	Mutation in COSMIC database
247	AAC	AAA	Asn	Lys	SM	IST-MEL1	4	Melanoma	2249	54.76	Mutation in COSMIC database
248	CGG	TGG	Arg	Trp	SM	IST-MEL1	728	Melanoma	2249	0	Mutation in COSMIC database
266	GGA	GAA	Gly	Glu	SM	M14	74	Melanoma	1018	0	Single report
258	GAA	AAA	Glu	Lys	DMU	MeWo	73	Melanoma	2249	0.31	Controversy with other publications
258	GAA	AAA	Glu	Lys	SM	MeWo	73	Melanoma	1076	0.31	Controversy with other publications
317	CAG	TAG	Gln	Stop	DMU	MeWo	25	Melanoma	2249	NA	Controversy with other publications
341	TTC	TTT	Phe	Phe	SM	MeWo	4	Melanoma	2019	NR	Controversy with other publications
342	CGA	TGA	Arg	Stop	SM	MeWo	74	Melanoma	2019	NA	Controversy with other publications
280	AGA	GGA	Arg	Gly	SM	MLMA	40	Melanoma	2249	21.11	Mutation in COSMIC database
248	CGG	CAG	Arg	Gln	SM	MM229	883	Melanoma	1158	0	Single report
290	CGC	CAC	Arg	His	SM	MM386	31	Melanoma	1158	67.3	Single report
163	TAC	TGC	Tyr	Cys	SM	MRI-H-221	140	Melanoma	1023	18.3	Single report

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
241	TCC	CCC	Ser	Pro	SM	NZM4	11	Melanoma	1638	0.48	Single report
166	TCA	TGA	Ser	Stop	SM	RPMI-7951	18	Melanoma	1570	NA	Single report
75	CCT	CCC	Pro	Pro	MM	SK-MEL-110	1	Melanoma	2019	NR	Single report
76	GCA	ACA	Ala	Thr	MM	SK-MEL-110	2	Melanoma	2019	69.34	Single report
104	CAG	CAC	Gln	His	MM	SK-MEL-110	2	Melanoma	2019	13.83	Single report
155	ACC	AGC	Thr	Ser	MM	SK-MEL-110	5	Melanoma	2019	51.83	Single report
289	CTC	TTC	Leu	Phe	MM	SK-MEL-110	5	Melanoma	2019	111.25	Single report
296	CAC	TAC	His	Tyr	MM	SK-MEL-110	7	Melanoma	2019	90.77	Single report
61	GAT	GTT	Asp	Val	SM	SK-MEL-136	1	Melanoma	2019	85.98	Single report
104	CAG	TAG	Gln	Stop	SM	SK-MEL-146	18	Melanoma	2019	NA	Single report
125	ACG	del2b	Thr	Fs.	SM	SK-MEL-149	1	Melanoma	2019	NA	Single report
245	GGC	AGC	Gly	Ser	SM	SK-MEL-2	440	Melanoma	1018	0	Single report
145	CTG	CGG	Leu	Arg	SM	SK-MEL-28	10	Melanoma	1018	12.61	Single report
258	GAA	AAA	Glu	Lys	SM	SK-MEL-29	73	Melanoma	2019	0.31	Single report
267	CGG	TGG	Arg	Trp	SM	SK-MEL-3	37	Melanoma	2249	1.68	Mutation in COSMIC database
273	CGT	CAT	Arg	His	DMU	SK-MEL-30	780	Melanoma	2249	1.01	Mutation in COSMIC database
283	CGC	del2c	Arg	Fs.	DMU	SK-MEL-30	1	Melanoma	2249	NA	Mutation in COSMIC database
340	ATG	ATA	Met	Ile	SM	SK-MEL-37	1	Melanoma	2019	53.77	Single report
295	CCT	GCT	Pro	Ala	SM	SK-MEL-93/4	1	Melanoma	2019	91.58	Single report
195	ATC	ACC	Ile	Thr	SM	UISO-MEL-11	90	Melanoma	2020	11.24	Single report
177	CCC	del18c	Pro	InF	SM	UISO-MEL-23	1	Melanoma	2020	NA	Single report
220	TAT	TGT	Tyr	Cys	SM	WM164	336	Melanoma	233	1.21	Single report
241	TCC	TTC	Ser	Phe	SM	WM852	101	Melanoma	233	0	Single report
278	CCT	TTT	Pro	Phe	SM	WM983	9	Melanoma	233	NR	Single report

Non Small Cell Lung Cancer

Table I : cell lines with wt p53

Cell line	ATCC	Ref.
A-549	CCL-185	1006
LU99		1006
LU99A		1006
LU99B		1006
A427	HTB-53	1382
Ma-12		1382
Ma-17		1382
Ma-26		1382
NCI-H460	HTB-177	678
NCI-H726		678
NCI-H838	CRL-5844	678
NCI-H1385	CRL-5867	678
NCI-H1568	CRL-5876	678
NCI-H1570		678
NCI-H1653		678
NCI-H1725		678
NCI-H1944	CRL-5907	678
NCI-H2023	CRL-5912	678
NCI-H2030	CRL-5914	678
NCI-H2077	CRL-5919	678
NCI-H2126	CRL-5925	678
NCI-H2347	CRL-5942	678
NCI-H1395	CRL-5868	2249
NCI-H1563	CRL-5875	2249
NCI-H1650	CRL-5883	678
NCI-H1666	CRL-5885	678
NCI-H1975	CRL-5908	2249
NCI-H2170	CRL-5928	2249
NCI-H2228	CRL-5935	2249
NCI-H2342	CRL-5941	2249
NCI-H2347	CRL-5970	2249
NCI-H810	CRL-5816	678

Table II : cell lines with p53 gene deletion or rearrangement

Cell line	ATCC	Reference
NCI-H1299	CRL-5803	
H-358	CRL5807	
Calu-1	HTB-54	

Table III : cell lines with p53 splice mutation
(exonic mutations that modify splice are listed in table IV)

Cell line	ATCC	Mutation	reference
NCI-H648	CRL-5834	intron7	92
NCI-H1710		intron8	92
NCI-H920	CRL-5850	intron5	92
NCI-H1792	CRL-5895	c.672+1G>A	92

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
229	TGT	TGA	Cys	Stop	SM	866MT	6	Lung (NSCLC)	16	NA	Single report
278	CCT	TCT	Pro	Ser	SM	ABC-1	87	Lung (NSCLC)	1382	0.34	Single report
71	CCC	del1	Pro	Fs.	SM	ACC-LC-319	2	Lung (NSCLC)	1976	NA	Single report
281	GAC	GGC	Asp	Gly	SM	ACC-LC94	16	Lung (NSCLC)	1976	12.06	Single report
209	AGA	TGA	Arg	Stop	SM	CAEP	14	Lung (NSCLC)	1393	NA	Single report
135	TGC	TTC	Cys	Phe	SM	CAL-12T	52	Lung (NSCLC)	2249	10.37	Mutation in COSMIC database
280	AGA	AAA	Arg	Lys	SM	Ca-Lu-1	78	Lung (NSCLC)	1081	0.46	Single report
237	ATG	ATT	Met	Ile	SM	CALU-3	52	Lung (NSCLC)	2249	0.43	Mutation in COSMIC database
196	CGA	TGA	Arg	Stop	SM	CALU6	241	Lung (NSCLC)	16	NA	Single report
175	CGC	CAC	Arg	His	SM	CMRC-LCD	1187	Lung (NSCLC)	1382	12.41	Single report
171	GAG	TAG	Glu	Stop	SM	EBC-1	25	Lung (NSCLC)	1382	NA	Single report
187	GGT	del111	Gly	InF	SM	EKVX	1	Lung (NSCLC)	1018	NA	Controversy with other publications
203	GTG	GTT	Val	Val	SM	EKVX	2	Lung (NSCLC)	2249	NR	Controversy with other publications
204	GAG	TAG	Glu	Stop	SM	EKVX	46	Lung (NSCLC)	2249	NA	Controversy with other publications
273	CGT	TGT	Arg	Cys	SM	GLCA2	687	Lung (NSCLC)	1386	0.91	Single report
248	CGG	CTG	Arg	Leu	DMU	GLCP1	124	Lung (NSCLC)	1386	0	Single report
349	GAA	TAA	Glu	Stop	DMU	GLCP1	7	Lung (NSCLC)	1386	NA	Single report
139	AAG	del1c	Lys	Fs.	SM	HCC1438	1	Lung (NSCLC)	1327	NA	Single report
154	GGC	GTC	Gly	Val	SM	HCC2108	65	Lung (NSCLC)	1327	8.39	Single report
234	TAC	TGC	Tyr	Cys	SM	HCC2279	133	Lung (NSCLC)	1327	2.14	Single report
175	CGC	CTC	Arg	Leu	SM	HOP-92	25	Lung (NSCLC)	1018	13.16	Confirmed in COSMIC database
132	AAG	AAT	Lys	Asn	SM	IGR-Heu	23	Lung (NSCLC)	2195	10.49	Single report
249	AGG	AGT	Arg	Ser	SM	KNS-62	389	Lung (NSCLC)	2249	12.42	Mutation in COSMIC database
237	ATG	ATT	Met	Ile	SM	LC-1-SQ	52	Lung (NSCLC)	364	0.43	Confirmed in another publication
241	TCC	TGC	Ser	Cys	SM	LC-2-ad	36	Lung (NSCLC)	2249	0	Mutation in COSMIC database
216	GTG	TTG	Val	Leu	SM	LCLC-103H	13	Lung (NSCLC)	2249	2.73	Mutation in COSMIC database
248	CGG	CTG	Arg	Leu	SM	LCMS	124	Lung (NSCLC)	1382	0	Single report
272	GTG	ATG	Val	Met	SM	LK-2	105	Lung (NSCLC)	1006	8.79	Single report
11	GAG	CAG	Glu	Gln	SM	LU-65	10	Lung (NSCLC)	1382	67.48	Single report
273	CGT	CAT	Arg	His	SM	LX-1	780	Lung (NSCLC)	1081	1.01	Single report
248	CGG	TGG	Arg	Trp	SM	LXF-289	728	Lung (NSCLC)	2249	0	Mutation in COSMIC database
248	CGG	CAG	Arg	Gln	SM	MA1	883	Lung (NSCLC)	1382	0	Confirmed in another publication
245	GGC	GTC	Gly	Val	SM	MA-10	84	Lung (NSCLC)	1382	0	Single report
282	CGG	TGG	Arg	Trp	SM	MA14	600	Lung (NSCLC)	1574	0.55	Single report
175	CGC	CAC	Arg	His	SM	MA2	1187	Lung (NSCLC)	1382	12.41	Confirmed in another publication

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
337	CGC	TGC	Arg	Cys	SM	MA-24	19	Lung (NSCLC)	1382	11.86	Single report
237	ATG	ATA	Met	Ile	SM	MA25	123	Lung (NSCLC)	1382	0.43	Confirmed in another publication
121	TCT	del1c	Ser	Fs.	SM	MA-29	1	Lung (NSCLC)	1382	NA	Single report
245	GGC	TGC	Gly	Cys	SM	MA3	86	Lung (NSCLC)	1382	0	Confirmed in another publication
245	GGC	GTC	Gly	Val	SM	MA36	84	Lung (NSCLC)	1574	0	Single report
273	CGT	CAT	Arg	His	SM	NCI-H1155	780	Lung (NSCLC)	92	1.01	Confirmed in two other publications
239	AAC	ins1b	Asn	Fs.	SM	NCI-H125	1	Lung (NSCLC)	678	NA	Single report
298	GAG	TAG	Glu	Stop	SM	NCI-H1264	71	Lung (NSCLC)	92	NA	Single report
248	CGG	TGG	Arg	Trp	SM	NCI-H1284	728	Lung (NSCLC)	678	0	Single report
234	TAC	TGC	Tyr	Cys	SM	NCI-H1304	133	Lung (NSCLC)	678	2.14	wt in COSMIC
224	GAG	GAC	Glu	Asp	SM	NCI-H1334	10	Lung (NSCLC)	92	59.68	Single report
285	GAG	AAG	Glu	Lys	SM	NCI-H1355	165	Lung (NSCLC)	92	0.58	Confirmed in another publication
47	CCG	CTG	Pro	Leu	SM	NCI-H1373	3	Lung (NSCLC)	106	144.03	Controversy with other publications
144	CAG	TAG	Gln	Stop	SM	NCI-H1404	53	Lung (NSCLC)	92	NA	Single report
141	TGC	TGG	Cys	Trp	SM	NCI-H1435	11	Lung (NSCLC)	92	6.4	Single report
267	CGG	CCG	Arg	Pro	SM	NCI-H1437	19	Lung (NSCLC)	92	0	Confirmed in another publication
89	CCC	del1	Pro	Fs.	SM	NCI-H1466	3	Lung (NSCLC)	92	NA	Single report
34	CCC	ins1	Pro	Fs.	DMU	NCI-H157	1	Lung (NSCLC)	1382	NA	Controversy with other publications
282	CGG	CCG	Arg	Pro	SM	NCI-H157	21	Lung (NSCLC)	2021	0	Controversy with other publications
298	GAG	TAG	Glu	Stop	SM	NCI-H157	71	Lung (NSCLC)	92	NA	Controversy with other publications
298	GAG	TAG	Glu	Stop	DMU	NCI-H157	71	Lung (NSCLC)	1382	NA	Controversy with other publications
248	CGG	CTG	Arg	Leu	SM	NCI-H1573	124	Lung (NSCLC)	92	0	Single report
144	CAG	TAG	Gln	Stop	SM	NCI-H1581	53	Lung (NSCLC)	92	NA	wt in COSMIC
273	CGT	CTT	Arg	Leu	SM	NCI-H1623	147	Lung (NSCLC)	92	0.86	Single report
175	CGC	CAC	Arg	His	SM	NCI-H1628	1187	Lung (NSCLC)	678	12.41	Single report
35	TTG	ins1b	Leu	Fs.	SM	NCI-H1648	1	Lung (NSCLC)	92	NA	wt in COSMIC
176	TGC	TAC	Cys	Tyr	SM	NCI-H1651	88	Lung (NSCLC)	92	14.82	Single report
285	GAG	AAG	Glu	Lys	SM	NCI-H1703	165	Lung (NSCLC)	92	0.58	Controversy with other publications
273	CGT	CTT	Arg	Leu	SM	NCI-H1734	147	Lung (NSCLC)	92	0.86	wt in COSMIC
242	TGC	TTC	Cys	Phe	SM	NCI-H1755	88	Lung (NSCLC)	92	13.79	Single report
247	AAC	AAT	Asn	Asn	SM	NCI-H1770	39	Lung (NSCLC)	2249	NR	Mutation in COSMIC database
248	CGG	TGG	Arg	Trp	SM	NCI-H1770	728	Lung (NSCLC)	2249	0	Mutation in COSMIC database
157	GTC	TTC	Val	Phe	SM	NCI-H1781	177	Lung (NSCLC)	92	9.06	Single report
209	AGA	TGA	Arg	Stop	SM	NCI-H1793	14	Lung (NSCLC)	92	NA	Controversy with other publications

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
273	CGT	CAT	Arg	His	SM	NCI-H1793	780	Lung (NSCLC)	2249	1.01	Controversy with other publications
273	CGT	CTT	Arg	Leu	SM	NCI-H1838	147	Lung (NSCLC)	2249	0.86	Mutation in COSMIC database
237	ATG	ATA	Met	Ile	SM	NCI-H1869	123	Lung (NSCLC)	678	0.43	Single report
209	AGA	TGA	Arg	Stop	SM	NCI-H1904	14	Lung (NSCLC)	92	NA	Single report
291	AAG	TAG	Lys	Stop	SM	NCI-H1915	9	Lung (NSCLC)	92	NA	Single report
242	TGC	TGG	Cys	Trp	SM	NCI-H1993	16	Lung (NSCLC)	2249	14.19	Mutation in COSMIC database
273	CGT	CTT	Arg	Leu	SM	NCI-H2009	147	Lung (NSCLC)	92	0.86	Single report
262	GGT	GTT	Gly	Val	SM	NCI-H2030	14	Lung (NSCLC)	2249	11.71	Mutation in COSMIC database
242	TGC	TGG	Cys	Trp	SM	NCI-H2073	16	Lung (NSCLC)	92	14.19	Single report
220	TAT	TCT	Tyr	Ser	SM	NCI-H2086	20	Lung (NSCLC)	106	0	Single report
157	GTC	TTC	Val	Phe	SM	NCI-H2087	177	Lung (NSCLC)	92	9.06	Confirmed in another publication
248	CGG	TGG	Arg	Trp	SM	NCI-H2106	728	Lung (NSCLC)	106	0	Single report
16	CAG	CTG	Gln	Leu	DMU	NCI-H2122	1	Lung (NSCLC)	2249	71.32	Mutation in COSMIC database
176	TGC	TTC	Cys	Phe	DMU	NCI-H2122	191	Lung (NSCLC)	2249	22.88	Mutation in COSMIC database
62	GAA	TAA	Glu	Stop	SM	NCI-H2126	8	Lung (NSCLC)	2249	NA	Mutation in COSMIC database
161	GCC	ACC	Ala	Thr	SM	NCI-H2250	75	Lung (NSCLC)	92	13.25	Single report
158	CGC	CTC	Arg	Leu	SM	NCI-H226	92	Lung (NSCLC)	92	8.19	Controversy with other publications
309	CCC	GCC	Pro	Ala	SM	NCI-H226	1	Lung (NSCLC)	1018	55.15	Controversy with other publications
154	GGC	GTC	Gly	Val	SM	NCI-H2291	65	Lung (NSCLC)	2249	8.39	Mutation in COSMIC database
246	ATG	ATC	Met	Ile	SM	NCI-H23	6	Lung (NSCLC)	17	0.28	Confirmed in another publication
273	CGT	CAT	Arg	His	SM	NCI-H2405	780	Lung (NSCLC)	2249	1.01	Mutation in COSMIC database
248	CGG	CTG	Arg	Leu	SM	NCI-H322	124	Lung (NSCLC)	92	0	Confirmed in another publication
249	AGG	AGC	Arg	Ser	SM	NCI-H324	34	Lung (NSCLC)	678	12.42	Controversy with other publications
249	AGG	AGC	Arg	Ser	DMU	NCI-H324	34	Lung (NSCLC)	92	12.42	Controversy with other publications
259	GAC	GTC	Asp	Val	DMU	NCI-H324	21	Lung (NSCLC)	92	10.87	Controversy with other publications
158	CGC	CTC	Arg	Leu	SM	NCI-H441	92	Lung (NSCLC)	92	8.19	Confirmed in another publication. wt in COSMIC
146	TGG	TGA	Trp	Stop	SM	NCI-H520	51	Lung (NSCLC)	92	NA	wt in COSMIC
191	CCT	del1a	Pro	Fs.	SM	NCI-H522	8	Lung (NSCLC)	92	NA	Single report
245	GGC	TGC	Gly	Cys	SM	NCI-H596	86	Lung (NSCLC)	92	0	Confirmed in another publication
164	AAG	AAT	Lys	Asn	SM	NCI-H650	8	Lung (NSCLC)	92	22.27	Single report
215	AGT	ATT	Ser	Ile	SM	NCI-H661	25	Lung (NSCLC)	92	8.11	wt in COSMIC
217	GTG	TTG	Val	Leu	DMU	NCI-H676	3	Lung (NSCLC)	92	50.18	Single report
248	CGG	CTG	Arg	Leu	DMU	NCI-H676	124	Lung (NSCLC)	92	0	Single report
102	ACC	del1	Thr	Fs.	SM	NCI-H679	1	Lung (NSCLC)	92	NA	Single report

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
176	TGC	TGG	Cys	Trp	SM	NCI-H720	19	Lung (NSCLC)	92	15.16	wt in COSMIC
162	ATC	ins9c	Ile	InF	SM	NCI-H727	1	Lung (NSCLC)	1707	NA	Single report
267	CGG	CCG	Arg	Pro	SM	NCI-H738	19	Lung (NSCLC)	678	0	Single report
284	ACA	CCA	Thr	Pro	SM	NCI-H820	10	Lung (NSCLC)	106	7.25	Single report
285	GAG	AAG	Glu	Lys	SM	NCI-H854	165	Lung (NSCLC)	92	0.58	Single report
249	AGG	AGT	Arg	Ser	SM	OG56	389	Lung (NSCLC)	1976	12.42	Single report
334	GGG	GTG	Gly	Val	SM	PC-1	3	Lung (NSCLC)	1382	25.23	Single report
245	GGC	TGC	Gly	Cys	SM	PC-10	86	Lung (NSCLC)	364	0	Single report
334	GGG	GTG	Gly	Val	SM	PC-13	3	Lung (NSCLC)	1382	25.23	Single report
248	CGG	TGG	Arg	Trp	SM	PC-14	728	Lung (NSCLC)	1382	0	Controversy with other publications
248	CGG	CAG	Arg	Gln	SM	PC-14	883	Lung (NSCLC)	2242	0	Controversy with other publications
282	CGG	TGG	Arg	Trp	SM	PC-3	600	Lung (NSCLC)	364	0.55	Confirmed in another publication
214	CAT	CGT	His	Arg	SM	PC-7	69	Lung (NSCLC)	1382	3.12	Single report
248	CGG	CAG	Arg	Gln	SM	PC-9	883	Lung (NSCLC)	364	0	Single report
104	CAG	TAG	Gln	Stop	SM	PERF-LC-AI	18	Lung (NSCLC)	1976	NA	Single report
244	GGC	TGC	Gly	Cys	SM	RAL	53	Lung (NSCLC)	1393	0	Single report
113	TTC	TGC	Phe	Cys	SM	RERF-LOCK	9	Lung (NSCLC)	1382	12.55	Single report
158	CGC	CTC	Arg	Leu	SM	SK-LC-6	92	Lung (NSCLC)	1976	8.19	Single report
193	CAT	CGT	His	Arg	SM	SKLU1	86	Lung (NSCLC)	16	10.15	Single report
280	AGA	AAA	Arg	Lys	SM	SK-MES-1	78	Lung (NSCLC)	1081	0.46	Controversy with other publications. Excluded from the cosnensus
298	GAG	TAG	Glu	Stop	SM	SK-MES-1	71	Lung (NSCLC)	303	NA	Consensus based on three publications. Controversy with other publications
277	TGT	TTT	Cys	Phe	SM	SW1271	48	Lung (NSCLC)	16	0.31	Single report
167	CAG	TAG	Gln	Stop	SM	SW900	40	Lung (NSCLC)	2249	NA	Mutation in COSMIC database
347	GCC	ACC	Ala	Thr	SM	U-1752	3	Lung (NSCLC)	2021	24.06	Single report
175	CGC	del1	Arg	Fs.	SM	U-1810	3	Lung (NSCLC)	2021	NA	Single report
175	CGC	CAC	Arg	His	SM	VRMC-LCD	1187	Lung (NSCLC)	1976	12.41	Single report
204	GAG	TAG	Glu	Stop	SM	Y-ML-1B	46	Lung (NSCLC)	1867	NA	Single report

Pancretic Tumors

Table I : cell lines with wt p53

Cell line	ATCC	Reference
PK-45		1556

Table II : cell lines with p53 gene deletion or rearrangement

No data

Table III : cell lines with p53 splice mutation
(exonic mutations that modify splice are listed in table IV)

No data

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
176	TGC	AGC	Cys	Ser	SM	8902	17	Pancreatic cancer	428	13.27	Single report
151	CCC	TCC	Pro	Ser	SM	8988S	92	Pancreatic cancer	428	0.85	Single report
134	TTT	del1a	Phe	Fs.	SM	AsPC-1	4	Pancreatic cancer	397	NA	Consensus based on four publications. Controversy with other publications
273	CGT	CAT	Arg	His	SM	ASPC-1	780	Pancreatic cancer	132	1.01	Controversy with other publications. Excluded from the consensus
197	GTG	TTG	Val	Leu	SM	BI	5	Pancreatic cancer	1653	12.36	Single report
275	TGT	TAT	Cys	Tyr	SM	BJ	87	Pancreatic cancer	1653	0.42	Single report
220	TAT	TGT	Tyr	Cys	SM	BxPC-3	336	Pancreatic cancer	176	1.21	Consensus based on six publications. A single publication decsribes a second mutation (neutral mutation)
159	GCC	GTC	Ala	Val	SM	CAPAN-1	50	Pancreatic cancer	177	6.91	Confirmed in two other publications. wt in COSMIC
273	CGT	CAT	Arg	His	SM	capan-2	780	Pancreatic cancer	132	1.01	wt in COSMIC
242	TGC	CGC	Cys	Arg	SM	CFPAC-1	14	Pancreatic cancer	397	0	Single report
175	CGC	CAC	Arg	His	SM	FAMPAC	1187	Pancreatic cancer	2116	12.41	Single report
272	GTG	TTG	Val	Leu	SM	Ger	39	Pancreatic cancer	1653	7.06	Single report
262	GGT	GTT	Gly	Val	SM	H-74	14	Pancreatic cancer	1689	11.71	Single report
151	CCC	TCC	Pro	Ser	SM	HPAF-II	92	Pancreatic cancer	177	0.85	Confirmed in another publication
266	GGA	GAA	Gly	Glu	SM	HPC-Y19	74	Pancreatic cancer	440	0	Single report
193	CAT	CGT	His	Arg	SM	HPC-Y21	86	Pancreatic cancer	440	10.15	Single report
152	CCG	del1a	Pro	Fs.	SM	HPC-YO	3	Pancreatic cancer	440	NA	Single report
249	AGG	ATG	Arg	Met	SM	Hs 700T	64	Pancreatic cancer	132	0	Confirmed in another publication
181	CGC	CAC	Arg	His	SM	HS766T	34	Pancreatic cancer	132	34.07	Single report
282	CGG	TGG	Arg	Trp	SM	HuP-T3	600	Pancreatic cancer	2249	0.55	Mutation in COSMIC database
255	ATC	ACC	Ile	Thr	SM	HuP-T4	19	Pancreatic cancer	2249	11.89	Mutation in COSMIC database
130	CTC	GTC	Leu	Val	SM	IMIM-PC-1	22	Pancreatic cancer	177	8.89	Single report
306	CGA	TGA	Arg	Stop	SM	IMIM-PC-2	160	Pancreatic cancer	177	NA	Single report
132	AAG	AGG	Lys	Arg	SM	MCC1	51	Pancreatic cancer	2000	14.1	Single report
273	CGT	TGT	Arg	Cys	SM	MDA-Panc3	687	Pancreatic cancer	1653	0.91	Single report
248	CGG	TGG	Arg	Trp	SM	MIA PaCa-2	728	Pancreatic cancer	177	0	Confirmed in four other publications
209	AGA	del2b	Arg	Fs.	SM	MZ1-PC	14	Pancreatic cancer	2249	NA	Mutation in COSMIC database
282	CGG	TGG	Arg	Trp	SM	MZ-PC-2	600	Pancreatic cancer	177	0.55	Single report

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
135	TGC	TGG	Cys	Trp	SM	MZ-PC-4	25	Pancreatic cancer	177	12.8	Single report
282	CGG	GGG	Arg	Gly	SM	PAN-03-JCK	48	Pancreatic cancer	1556	0.44	Single report
220	TAT	TGT	Tyr	Cys	SM	Panc 89	336	Pancreatic cancer	176	1.21	Single report
273	CGT	CAT	Arg	His	SM	Panc-1	780	Pancreatic cancer	178	1.01	Consensus based on four publications. Controversy with one publication
273	CGT	TGT	Arg	Cys	SM	Panc-1	687	Pancreatic cancer	177	0.91	Controversy with other publications. Excluded from the cosnensus
255	ATC	AAC	Ile	Asn	SM	PANC-10-05	6	Pancreatic cancer	2249	6.97	Mutation in COSMIC database
176	TGC	AGC	Cys	Ser	SM	Panc-TU-I	17	Pancreatic cancer	176	13.27	Confirmed in another publication
175	CGC	CAC	Arg	His	SM	PC	1187	Pancreatic cancer	1653	12.41	Single report
176	TGC	AGC	Cys	Ser	SM	PC-44	17	Pancreatic cancer	428	13.27	Single report
237	ATG	ATA	Met	Ile	SM	PCI-55	123	Pancreatic cancer	1556	0.43	Single report
237	ATG	ATA	Met	Ile	SM	PK-1	123	Pancreatic cancer	1556	0.43	Single report
167	CAG	TAG	Gln	Stop	SM	PK-8	40	Pancreatic cancer	1556	NA	Single report
213	CGA	TGA	Arg	Stop	SM	PK-9	306	Pancreatic cancer	1556	NA	Single report
255	ATC	ACC	Ile	Thr	SM	PL 45	19	Pancreatic cancer	965	11.89	Single report
132	AAG	CAG	Lys	Gln	SM	PSN1	14	Pancreatic cancer	38	10.86	Single report
280	AGA	AAA	Arg	Lys	SM	PT45	78	Pancreatic cancer	178	0.46	Single report
175	CGC	CAC	Arg	His	SM	RWP-2	1187	Pancreatic cancer	177	12.41	Single report
282	CGG	TGG	Arg	Trp	SM	SK-PC-1	600	Pancreatic cancer	177	0.55	Single report
179	CAT	CGT	His	Arg	SM	SK-PC-3	146	Pancreatic cancer	177	13.02	Single report
175	CGC	CAC	Arg	His	SM	SNU-213	1187	Pancreatic cancer	1491	12.41	Single report
238	TGT	TAT	Cys	Tyr	SM	SNU-494	98	Pancreatic cancer	1491	14.58	Single report
245	GGC	AGC	Gly	Ser	SM	SU86.86	440	Pancreatic cancer	397	0	Confirmed in another publication
273	CGT	CAT	Arg	His	SM	Suit-2	780	Pancreatic cancer	1653	1.01	Single report
220	TAT	TGT	Tyr	Cys	SM	T3M4	336	Pancreatic cancer	1653	1.21	Single report
273	CGT	CAT	Arg	His	SM	UK Pan-1	780	Pancreatic cancer	659	1.01	Single report
179	CAT	CGT	His	Arg	SM	YAPC	146	Pancreatic cancer	2249	13.02	Mutation in COSMIC database

Prostate Tumors

Table I : cell lines with wt p53

Cell line	ATCC	Reference
LNCaP-FGC	CRL-1740	2249
MDA-PCa2A		1991
PC-436C		1991
PC-82		59

Table II : cell lines with p53 gene deletion or rearrangement

Cell line	ATCC	Reference
PC-3	CRL-1435	

Table III : cell lines with p53 splice mutation
(exonic mutations that modify splice are listed in table IV)

No data

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
138	GCC	del1	Ala	Fs.	SM	1LN	5	Prostate ca.	220	NA	Single report
331	CAG	CGG	Gln	Arg	SM	22Rv1	3	Prostate ca.	1991	67.76	wt in COSMIC
196	CGA	TGA	Arg	Stop	SM	ARCaP	241	Prostate ca.	1991	NA	Single report
273	CGT	CAT	Arg	His	DMU	CWR-R1	780	Prostate ca.	1991	1.01	Single report
331	CAG	CGG	Gln	Arg	DMU	CWR-R1	3	Prostate ca.	1991	67.76	Single report
223	CCT	CTT	Pro	Leu	DMD	DU-145	5	Prostate ca.	59	8.54	Consensus based on three publications. Controvery withy other publications (only one of the two mutations is found)
274	GTT	TTT	Val	Phe	DMD	DU-145	32	Prostate ca.	59	0.84	Consensus based on three publications. Controvery withy other publications (only one of the two mutations is found)
248	CGG	TGG	Arg	Trp	SM	DuCaP	728	Prostate ca.	1991	0	Single report
138	GCC	del1	Ala	Fs.	SM	Dupro	5	Prostate ca.	220	NA	Single report
175	CGC	CAC	Arg	His	SM	LAPC-4	1187	Prostate ca.	1991	12.41	Single report
152	CCG	CCA	Pro	Pro	SM	LNCaP-ATCC	13	Prostate ca.	316	NR	Confirmed in another publication
152	CCG	CCA	Pro	Pro	DMU	LNCaP-GW	13	Prostate ca.	316	NR	Single report
273	CGT	CAT	Arg	His	DMU	LNCaP-GW	780	Prostate ca.	316	1.01	Single report
196	CGA	TGA	Arg	Stop	SM	MDA-PCa1	241	Prostate ca.	1991	NA	Single report
138	GCC	del1	Ala	Fs.	SM	PC-3	5	Prostate ca.	59	NA	Confirmed in two other publications
279	GGG	GAG	Gly	Glu	SM	PSK-1	42	Prostate ca.	1991	0.27	Single report
126	TAC	TAG	Tyr	Stop	SM	TSU	14	Prostate ca.	59	NA	Single report
248	CGG	TGG	Arg	Trp	SM	VCaP	728	Prostate ca.	1991	0	Single report

Sarcoma

Table I : cell lines with wt p53

Cell line	ATCC		Reference
FPBH		Ewing sarcoma	
SAL-2		Ewing sarcoma	
STA-ET-1		Ewing sarcoma	
WE-68		Ewing sarcoma	
VH-64		Ewing sarcoma	
STA-ET-6		Ewing sarcoma	
TC 252		Ewing sarcoma	
U2OS*	HTB-96	Osteosarcoma	
SJSA**	CRL-2098	Osteosarcoma	
HT1080	CCL-121	Fibosarcoma	
A-204		Undifferentiated sarcoma	

* Mdm2 overexpression
**Mdm2 amplification

Table II : cell lines with p53 gene deletion or rearrangement

Cell line	ATCC		Reference
Saos-2	HTB-85	Osteosarcoma	
SK-N-MC	HTB-10	Ewing sarcoma	

Table III : cell lines with p53 splice mutation
(exonic mutations that modify splice are listed in table IV)

no data

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
179	CAT	CTT	His	Leu	SM	ASL5	38	Angiosarcoma (hepatic)	1353	21.26	Single report
175	CGC	CAC	Arg	His	SM	CH-1	1187	Chondrosarcoma	1373	12.41	Single report
194	CTT	CGT	Leu	Arg	SM	19	66	Ewing's Sarcoma	328	10.61	Single report
175	CGC	CAC	Arg	His	SM	58	1187	Ewing's Sarcoma	328	12.41	Single report
176	TGC	TTC	Cys	Phe	SM	59	191	Ewing's Sarcoma	328	22.88	Single report
273	CGT	TGT	Arg	Cys	SM	63	687	Ewing's Sarcoma	328	0.91	Single report
285	GAG	AAG	Glu	Lys	SM	64	165	Ewing's Sarcoma	328	0.58	Single report
118	ACA	ins2	Thr	Fs.	SM	A673	1	Ewing's Sarcoma	226	NA	wt in COSMIC
283	CGC	DEL1C	Arg	Fs.	SM	ES-1-OT	4	Ewing's Sarcoma	245	NA	Single report
181	CGC	CAC	Arg	His	SM	EW-13	34	Ewing's Sarcoma	2249	34.07	Mutation in COSMIC database
164	AAG	GAG	Lys	Glu	SM	EW-24	25	Ewing's Sarcoma	2249	12.39	Mutation in COSMIC database
273	CGT	TGT	Arg	Cys	SM	IARC-EW2	687	Ewing's Sarcoma	226	0.91	Single report
273	CGT	TGT	Arg	Cys	SM	RD-ES	687	Ewing's Sarcoma	226	0.91	Confirmed in another publication
273	CGT	CAT	Arg	His	SM	RM 82	780	Ewing's Sarcoma	226	1.01	Single report
176	TGC	TTC	Cys	Phe	SM	SCMC-ES-2	191	Ewing's Sarcoma	245	22.88	Single report
141	TGC	TAC	Cys	Tyr	SM	SCMCS-ES-1	103	Ewing's Sarcoma	245	9.84	Single report
176	TGC	TTC	Cys	Phe	SM	SK-ES-1	191	Ewing's Sarcoma	226	22.88	Confirmed in another publication
176	TGC	TTC	Cys	Phe	SM	SK-PN-DW	191	Ewing's Sarcoma	2249	22.88	Mutation in COSMIC database
273	CGT	TGT	Arg	Cys	SM	SMB	687	Ewing's Sarcoma	226	0.91	Single report
277	TGT	TAT	Cys	Tyr	SM	STA-ET-2.1	28	Ewing's Sarcoma	226	0.68	Single report
273	CGT	TGT	Arg	Cys	SM	STA-ET-7.1	687	Ewing's Sarcoma	226	0.91	Single report
176	TGC	TTC	Cys	Phe	SM	W-ES	191	Ewing's Sarcoma	245	22.88	Single report
213	CGA	TGA	Arg	Stop	SM	SW684	306	Fibrosarcoma	2249	NA	Mutation in COSMIC database
215	AGT	ins1	Ser	Fs.	SM	LMS6-93	3	Leyomyosarcoma	1552	NA	Single report
237	ATG	AAG	Met	Lys	DMU	SK-LMS-1	11	Leyomyosarcoma	2198	14.24	Controversy with other publications
245	GGC	AGC	Gly	Ser	SM	SK-LMS-1	440	Leyomyosarcoma	14	0	Controversy with other publications
245	GGC	AGC	Gly	Ser	DMU	SK-LMS-1	440	Leyomyosarcoma	2198	0	Controversy with other publications
175	CGC	CAC	Arg	His	DMU	SK-UT-1	1187	Leyomyosarcoma	2249	12.41	Controversy with other publications
175	CGC	CAC	Arg	His	SM	SK-UT-1	1187	Leyomyosarcoma	14	12.41	Controversy with other publications

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
248	CGG	CAG	Arg	Gln	DMU	SK-UT-1	883	Leyomyosarcoma	2249	0	Controversy with other publications
251	ATC	AAC	Ile	Asn	SM	SW872	21	Liposarcoma	2249	8.75	Mutation in COSMIC database
156	CGC	CCC	Arg	Pro	SM	HOS	38	Osteosarcoma	25	8.22	Confirmed in another publication
306	CGA	TGA	Arg	Stop	SM	HOSM-2	160	Osteosarcoma	1920	NA	Single report
76	GCA	ins1a	Ala	Fs.	SM	HuO-3N1	1	Osteosarcoma	2249	NA	Mutation in COSMIC database
286	GAA	AAA	Glu	Lys	SM	OH	86	Osteosarcoma	272	11.07	Single report
250	CCC	del8	Pro	Fs.	SM	RIT-1B	1	Osteosarcoma	65	NA	Single report
245	GGC	AGC	Gly	Ser	SM	RIT2	440	Osteosarcoma	65	0	Single report
219	CCC	del4	Pro	Fs.	SM	ctr	1	Rhabdomyosarcoma	97	NA	Single report
248	CGG	TGG	Arg	Trp	SM	RD	728	Rhabdomyosarcoma	14	0	Confirmed in another publication. wt in COSMIC
273	CGT	TGT	Arg	Cys	SM	Rh30	687	Rhabdomyosarcoma	1190	0.91	Controversy with other publications
280	AGA	AGT	Arg	Ser	SM	RH30	14	Rhabdomyosarcoma	97	20.55	Controversy with other publications
156	CGC	CCC	Arg	Pro	SM	RMS	38	Rhabdomyosarcoma	14	8.22	Single report
316	CCC	CCT	Pro	Pro	SM	GCT	6	Sarcoma	2249	NR	Mutation in COSMIC database
317	CAG	TAG	Gln	Stop	SM	GCT	25	Sarcoma	2249	NA	Mutation in COSMIC database
326	GAA	TAA	Glu	Stop	SM	S-117	9	Sarcoma	2249	NA	Mutation in COSMIC database

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
126	TAC	TGC	Tyr	Cys	SM	ACC-LC-172	17	Lung (SCLC)	1976	11.62	Single report
249	AGG	AGT	Arg	Ser	SM	ACC-LC-48	389	Lung (SCLC)	1976	12.42	Single report
110	CGT	del1	Arg	Fs.	SM	ACC-LC-49	3	Lung (SCLC)	1976	NA	Single report
152	CCG	ins1	Pro	Fs.	SM	ACC-LC-80	8	Lung (SCLC)	1976	NA	Single report
245	GGC	TGC	Gly	Cys	SM	COLO-668	86	Lung (SCLC)	2249	0	Mutation in COSMIC database
306	CGA	TGA	Arg	Stop	SM	COR-L51	160	Lung (SCLC)	2249	NA	Mutation in COSMIC database
281	GAC	CAC	Asp	His	SM	COR-L96CAR	41	Lung (SCLC)	2249	0.66	Mutation in COSMIC database
245	GGC	GTC	Gly	Val	SM	CPC-N	84	Lung (SCLC)	2249	0	Mutation in COSMIC database
155	ACC	CCC	Thr	Pro	SM	DMS-153	20	Lung (SCLC)	1953	7.8	wt in COSMIC
245	GGC	TGC	Gly	Cys	SM	DMS-273	86	Lung (SCLC)	2249	0	Mutation in COSMIC database
241	TCC	TTC	Ser	Phe	SM	DMS-53	101	Lung (SCLC)	2249	0	Mutation in COSMIC database
278	CCT	del2c	Pro	Fs.	SM	DMS-79	1	Lung (SCLC)	2249	NA	Mutation in COSMIC database. del2 and ins 1
237	ATG	ATA	Met	Ile	SM	DMS-92	123	Lung (SCLC)	16	0.43	Single report
273	CGT	CTT	Arg	Leu	SM	GLC14	147	Lung (SCLC)	1386	0.86	Single report
282	CGG	TGG	Arg	Trp	SM	GLC28	600	Lung (SCLC)	1386	0.55	Single report
53	TGG	TGA	Trp	Stop	SM	GLC3	7	Lung (SCLC)	1386	NA	Single report
146	TGG	TAG	Trp	Stop	DMU	GLC35	46	Lung (SCLC)	1386	NA	Single report
175	CGC	CAC	Arg	His	DMU	GLC35	1187	Lung (SCLC)	1386	12.41	Single report
158	CGC	CTC	Arg	Leu	SM	GLC36	92	Lung (SCLC)	1386	8.19	Single report
132	AAG	GAG	Lys	Glu	SM	GLC4	25	Lung (SCLC)	1386	0.56	Single report
332	ATC	del1c	Ile	Fs.	SM	GLC42	4	Lung (SCLC)	1386	NA	Single report
326	GAA	TAA	Glu	Stop	SM	GLC44	9	Lung (SCLC)	1386	NA	Single report
218	GTG	GGG	Val	Gly	SM	GLC45	11	Lung (SCLC)	1386	61.46	Single report
144	CAG	CCG	Gln	Pro	SM	GLC7	10	Lung (SCLC)	1386	13.75	Single report
280	AGA	GGA	Arg	Gly	SM	GLC8	40	Lung (SCLC)	1386	21.11	Single report
193	CAT	CTT	His	Leu	SM	HOV	55	Lung (SCLC)	1386	11.02	Single report
294	GAG	TAG	Glu	Stop	SM	IST-SL2	54	Lung (SCLC)	2249	NA	Mutation in COSMIC database
294	GAG	del1a	Glu	Fs.	SM	LB647-SCLC	1	Lung (SCLC)	2249	NA	Mutation in COSMIC database
278	CCT	CTT	Pro	Leu	SM	LU-130	84	Lung (SCLC)	1382	0.81	Single report
278	CCT	CTT	Pro	Leu	SM	LU-134-A	84	Lung (SCLC)	364	0.81	Single report
244	GGC	TGC	Gly	Cys	SM	LU-135	53	Lung (SCLC)	364	0	Single report
248	CGG	CTG	Arg	Leu	SM	LU-138	124	Lung (SCLC)	1382	0	Single report
157	GTC	TTC	Val	Phe	SM	LU-139	177	Lung (SCLC)	364	9.06	Single report
342	CGA	del1b	Arg	Fs.	SM	LU-140	1	Lung (SCLC)	1382	NA	Single report

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
179	CAT	TAT	His	Tyr	SM	LU-141	128	Lung (SCLC)	1382	13.27	Single report
156	CGC	del13c	Arg	Fs.	SM	LU-165	1	Lung (SCLC)	2249	NA	Mutation in COSMIC database
244	GGC	AGC	Gly	Ser	SM	MS-1	72	Lung (SCLC)	2242	0.34	Single report
298	GAG	TAG	Glu	Stop	SM	N230	71	Lung (SCLC)	1382	NA	Single report
298	GAG	TAG	Glu	Stop	SM	N231	71	Lung (SCLC)	1382	NA	Single report
46	TCC	del1b	Ser	Fs.	DMU	NCI-H1048	1	Lung (SCLC)	2249	NA	Controversy with other publications
273	CGT	TGT	Arg	Cys	SM	NCI-H1048	687	Lung (SCLC)	22	0.91	Controversy with other publications
273	CGT	TGT	Arg	Cys	DMU	NCI-H1048	687	Lung (SCLC)	2249	0.91	Controversy with other publications
249	AGG	AGT	Arg	Ser	SM	NCI-H1105	389	Lung (SCLC)	2249	12.42	Mutation in COSMIC database
334	GGG	GTG	Gly	Val	SM	NCI-H1184	3	Lung (SCLC)	22	25.23	Single report
175	CGC	del1b	Arg	Fs.	SM	NCI-H1417	2	Lung (SCLC)	678	NA	wt in COSMIC
179	CAT	CAG	His	Gln	SM	NCI-H1436	14	Lung (SCLC)	678	17.51	wt in COSMIC
194	CTT	CGT	Leu	Arg	SM	NCI-H1450	66	Lung (SCLC)	17	10.61	Single report
318	CCA	del19b	Pro	Fs.	SM	NCI-H146	1	Lung (SCLC)	2249	NA	Mutation in COSMIC database
68	GAG	TAG	Glu	Stop	SM	NCI-H1514	5	Lung (SCLC)	22	NA	Single report
151	CCC	CAC	Pro	His	SM	NCI-H1607	33	Lung (SCLC)	22	10.75	Single report
248	CGG	CTG	Arg	Leu	SM	NCI-H1618	124	Lung (SCLC)	22	0	wt in COSMIC
266	GGA	GTA	Gly	Val	SM	NCI-H1672	51	Lung (SCLC)	22	0	Single report
241	TCC	TGC	Ser	Cys	SM	NCI-H187	36	Lung (SCLC)	1712	0	Single report
273	CGT	CTT	Arg	Leu	SM	NCI-H1881	147	Lung (SCLC)	22	0.86	Single report
273	CGT	CTT	Arg	Leu	SM	NCI-H1882	147	Lung (SCLC)	678	0.86	wt in COSMIC
213	CGA	TGA	Arg	Stop	SM	NCI-H1926	306	Lung (SCLC)	22	NA	wt in COSMIC
245	GGC	CGC	Gly	Arg	SM	NCI-H1930	20	Lung (SCLC)	2249	7.9	Mutation in COSMIC database
147	GTT	GAT	Val	Asp	DMU	NCI-H1963	7	Lung (SCLC)	22	11.64	wt in COSMIC
214	CAT	CGT	His	Arg	DMU	NCI-H1963	69	Lung (SCLC)	22	3.12	wt in COSMIC
220	TAT	GAT	Tyr	Asp	SM	NCI-H2029	5	Lung (SCLC)	2249	0.96	Mutation in COSMIC database
248	CGG	CAG	Arg	Gln	SM	NCI-H211	883	Lung (SCLC)	22	0	Single report
209	AGA	TGA	Arg	Stop	SM	NCI-H2141	14	Lung (SCLC)	22	NA	Single report
144	CAG	TAG	Gln	Stop	SM	NCI-H2171	53	Lung (SCLC)	2249	NA	Mutation in COSMIC database
157	GTC	TTC	Val	Phe	SM	NCI-H2196	177	Lung (SCLC)	2249	9.06	Mutation in COSMIC database
134	TTT	TTA	Phe	Leu	SM	NCI-H231	4	Lung (SCLC)	9	10.71	Single report
65	AGA	TGA	Arg	Stop	SM	NCI-H2330	9	Lung (SCLC)	2249	NA	Mutation in COSMIC database
277	TGT	TTT	Cys	Phe	SM	NCI-H250	48	Lung (SCLC)	2249	0.31	Mutation in COSMIC database
236	TAC	TGC	Tyr	Cys	SM	NCI-H345	75	Lung (SCLC)	2249	0.7	Mutation in COSMIC database
282	CGG	GGG	Arg	Gly	SM	NCI-H510	48	Lung (SCLC)	22	0.44	wt in COSMIC

Table IV: cell lines with missense or small frameshift mutations.

Pos.	WT	Mut	AA	Mut	Comp	Name	NB	Cancer	Ref	WAF1	Comments
283	CGC	CCC	Arg	Pro	SM	NCI-H64	35	Lung (SCLC)	2249	0.18	Mutation in COSMIC database
171	GAG	TAG	Glu	Stop	SM	NCI-H69	25	Lung (SCLC)	47	NA	Confirmed in three other publications
248	CGG	CAG	Arg	Gln	SM	NCI-H719	883	Lung (SCLC)	2249	0	Mutation in COSMIC database
342	CGA	TGA	Arg	Stop	SM	NCI-H774	74	Lung (SCLC)	22	NA	Confirmed in another publication
242	TGC	TCC	Cys	Ser	SM	NCI-H841	19	Lung (SCLC)	1382	0	Single report
242	TGC	TCC	Cys	Ser	SM	NCI-H889	19	Lung (SCLC)	17	0	Confirmed in another publication
298	GAG	TAG	Glu	Stop	SM	NCI-N417	71	Lung (SCLC)	106	NA	Single report
298	GAG	TAG	Glu	Stop	SM	RERF-LCMA	71	Lung (SCLC)	364	NA	Confirmed in another publication
120	AAG	TAG	Lys	Stop	SM	SBC-1	2	Lung (SCLC)	2249	NA	Mutation in COSMIC database
248	CGG	CTG	Arg	Leu	SM	SBC-5	124	Lung (SCLC)	364	0	Confirmed in another publication. wt in COSMIC
278	CCT	CGT	Pro	Arg	SM	SCLC-21H	39	Lung (SCLC)	2249	0.72	Mutation in COSMIC database
85	CCT	del1	Pro	Fs.	SM	SK-LC-2	1	Lung (SCLC)	1976	NA	Single report
259	GAC	GTC	Asp	Val	SM	U-1690	21	Lung (SCLC)	2021	10.87	Single report
248	CGG	CTG	Arg	Leu	SM	U-1906	124	Lung (SCLC)	2021	0	Single report

Small Cell Lung Cancer

Table I : cell lines with wt p53

Cell line	ATCC	Reference
SBC-3		1006
Lu24		1382
MS-18		1382
NCI-H209	HTB-172	1382
NCI-H128	HTB-120	2249
NCI-H1522	CRL-5874	2249
NCI-H2081	CRL-5920	2249
NCI-H446	HTB-171	2249
NCI-H711	CRL-5836	678
NCI-H748	CRL-5841	678

Table II : cell lines with p53 gene deletion or rearrangement

No data

Table III : cell lines with p53 splice mutation
(exonic mutations that modify splice are listed in table IV)

Cell line	ATCC	Mutation	reference
NCI-H1694	CRL-5888	c.783-1G>T	2249
NCI-H2227	CRL-5934	c.783-2A>C	678
NCI-H526	CRL-5811	splice intron3	678

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