

Table S1. Cancer-associated PTEN mutations used in this study

Mutation ID (COSM)	Substitution	Mutation	Sample name	Primary Tissue	Histology	Zygosity	Somatic Status	Sample Source	Pubmed ID
COSM428078	S10R	28A>C	TCGA-AR-A1AJ-01	Breast	Carcinoma	Heterozygous	Unknown	Tumour Sample	-
COSM5049	S10N	29G>A	S65930	Haematopoietic and lymphoid tissue	Lymphoid neoplasm	Unknown	Confirmed Somatic	Tumour Sample	9596690
COSM5049	S10N	29G>A	16600	Lung	Carcinoma	Heterozygous	Confirmed Somatic	Tumour Sample	18948947
COSM1349462	S10I	29G>T	TCGA-AZ-6601-01	Large intestine	Carcinoma	Heterozygous	Unknown	-	-
COSM1349467	G20R	58G>A	TCGA-DM-A0XD-01	Large intestine	Carcinoma	Heterozygous	Unknown	-	-
COSM5094	G20E	59G>A	S63064	Endometrium	Carcinoma	Unknown	Confirmed Somatic	Tumour Sample	9829719
COSM3397281	L42V	124C>G	TCGA-28-5216-01	Central nervous system	Glioma	Unknown	Confirmed Somatic	-	-
COSM5112	L42P	125T>C	S66696	Central nervous system	Glioma	Unknown	Confirmed Somatic	Tumour Sample	10188904
COSM5269	L42R	125T>G	S67017	Central nervous system	Glioma	Unknown	Unknown	Tumour Sample	11678426
COSM5269	L42R	125T>G	S67046	Central nervous system	Glioma	Unknown	Unknown	Tumour Sample	11678426
COSM5269	L42R	125T>G	S67048	Central nervous system	Glioma	Unknown	Unknown	Tumour Sample	11678426
COSM5269	L42R	125T>G	S67049	Central nervous system	Glioma	Unknown	Unknown	Tumour Sample	11678426
COSM5269	L42R	125T>G	T98G	Central nervous system	Glioma	Unknown	Unknown	Cultured	10560660
COSM5269	L42R	125T>G	T98G	Central nervous system	Glioma	Unknown	Unknown	Cultured	9090379
COSM1349496	F90L	268T>C	TCGA-CA-5796-01	Large intestine	Carcinoma	Heterozygous	Unknown	-	-
COSM5141	F90S	269T>C	TCGA-06-0743-01	Central nervous system	Glioma	Unknown	Confirmed Somatic	Tumour Sample	-
COSM5141	F90S	269T>C	S75520	Endometrium	Carcinoma	Unknown	Confirmed Somatic	Tumour Sample	9307275
COSM1349497	F90C	269T>G	TCGA-F4-6809-01	Large intestine	Carcinoma	Heterozygous	Unknown	-	-
COSM5201	F90L	270T>A	S70685	Upper aerodigestive tract	Carcinoma	Unknown	Confirmed Somatic	Tumour Sample	11801303

Sanger Institute Catalogue Of Somatic Mutations In Cancer web site, <http://www.sanger.ac.uk/cosmic>