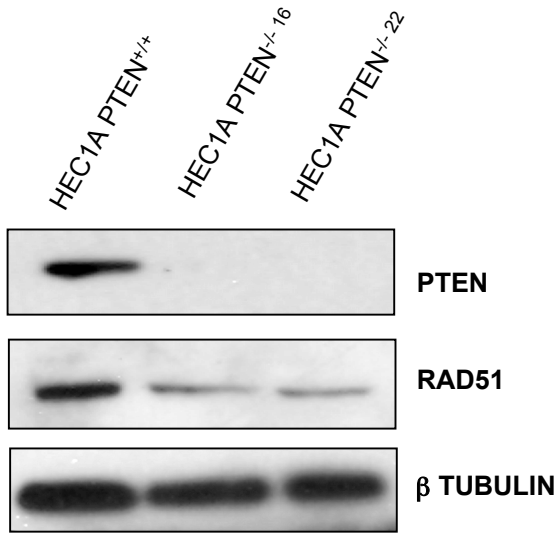
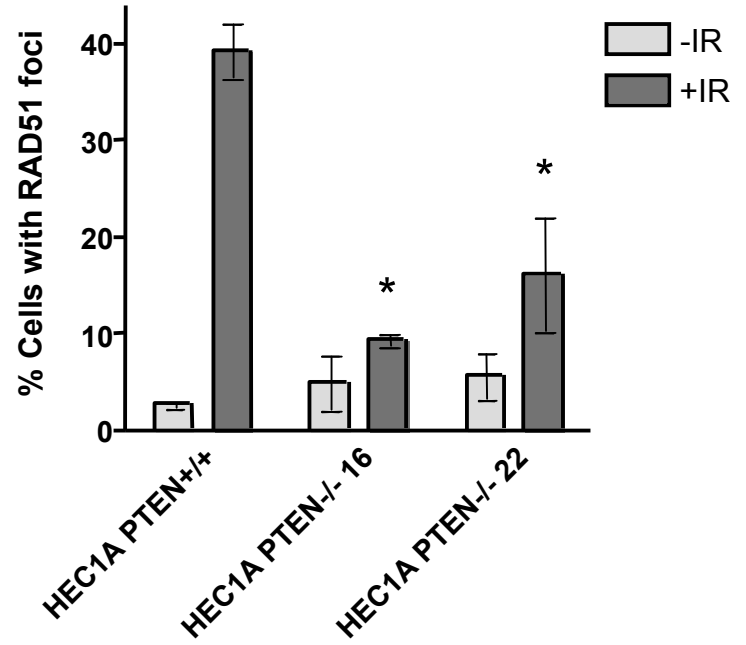


Supplementary
Figure 1

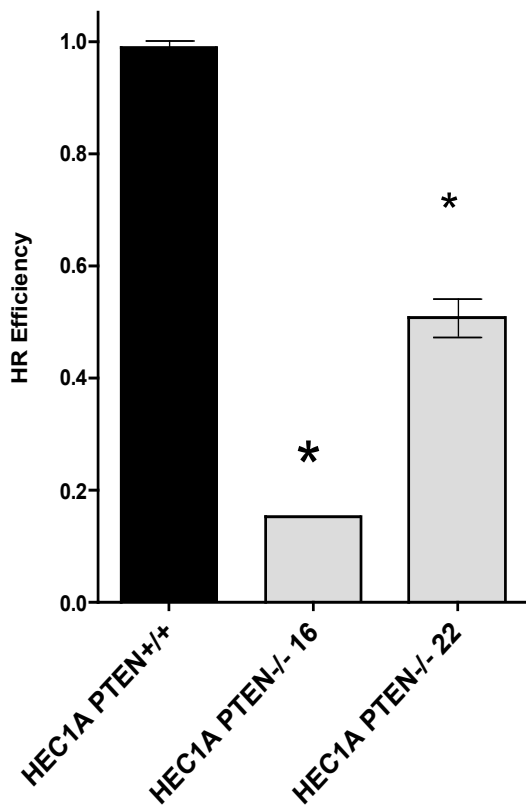
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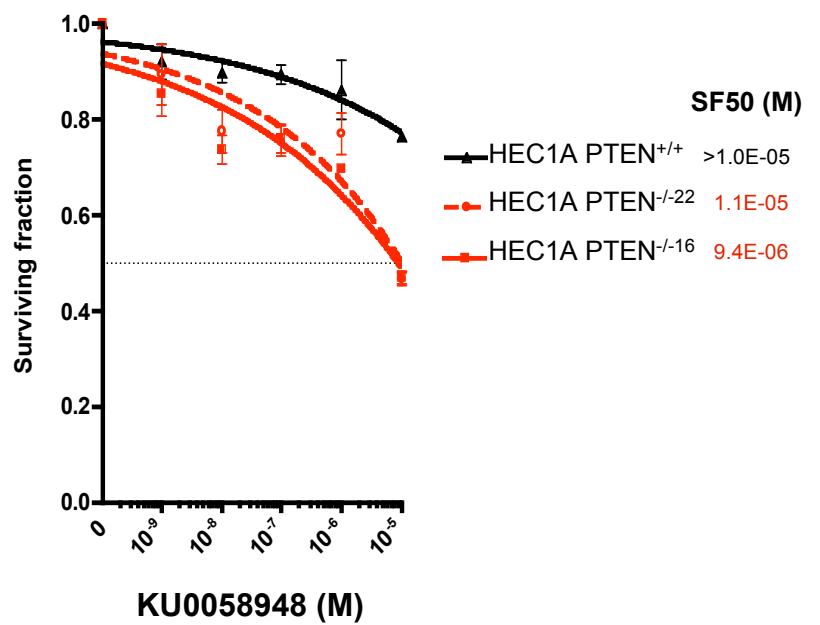
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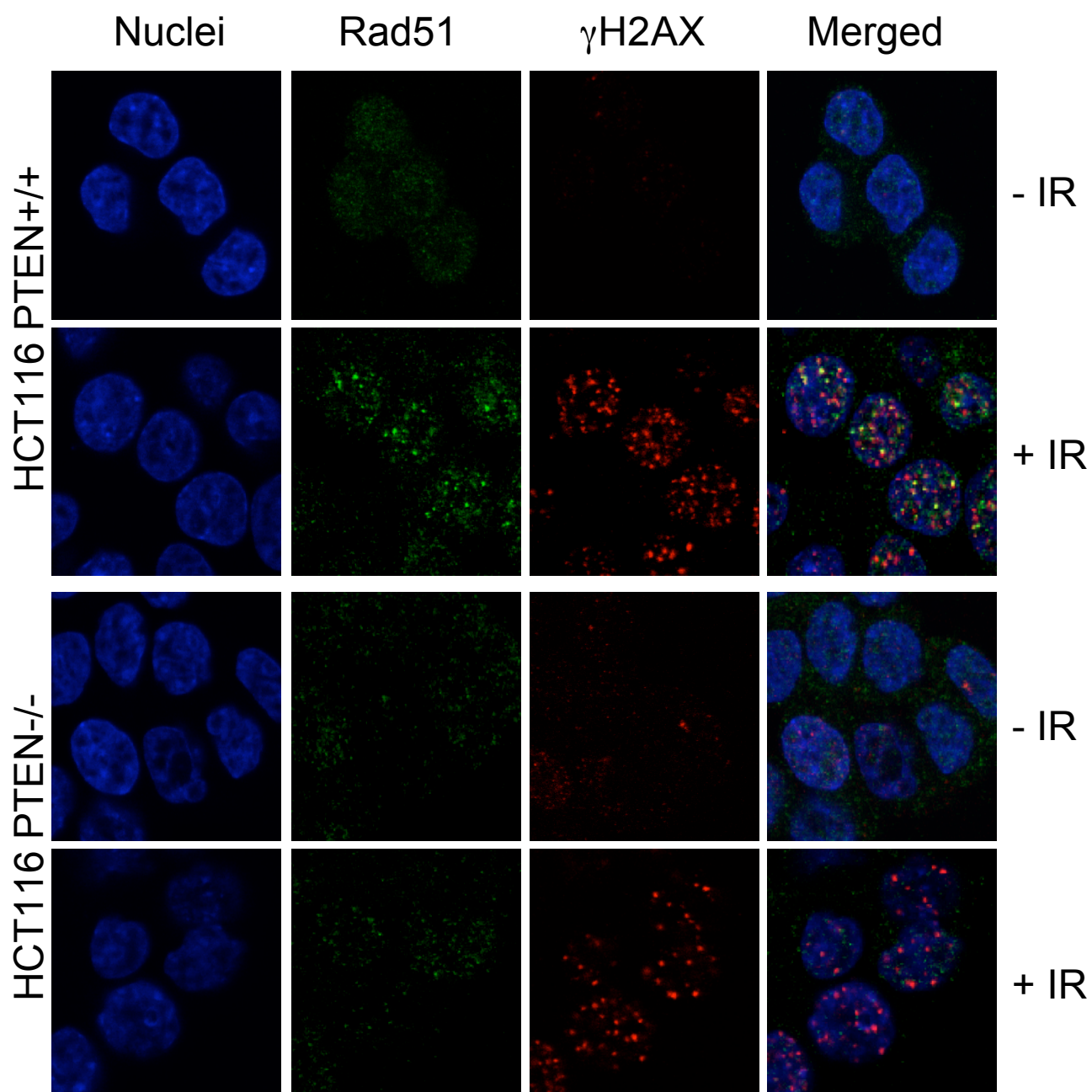
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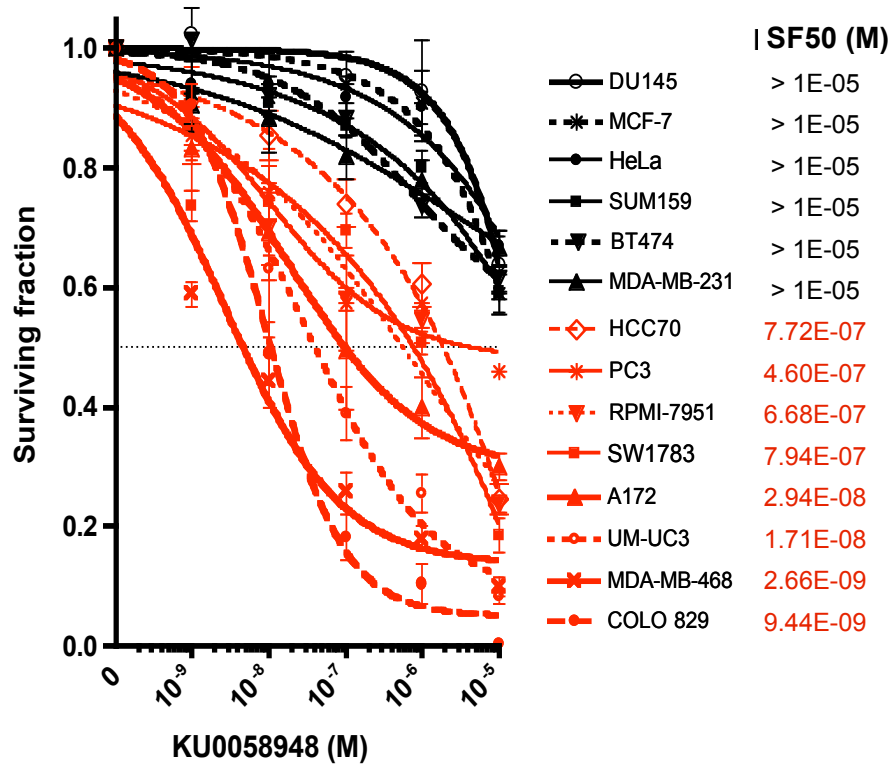
D



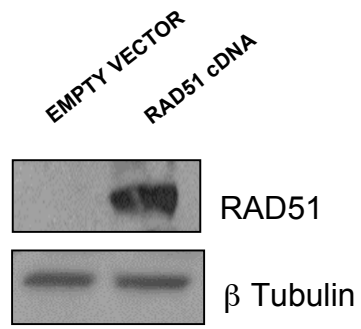
Supplementary
Figure 2



Supplementary
Figure 3



Supplementary
Figure 4



Sample Name	COSMIC Sample ID	Amino Acid	Nucleotide	Primary Tissue	Histology	Pubmed ID	Mutation ID	Sample Source
HCC70	907048	p.F90fs*9	c.270delT	breast	carcinoma		5839	cell-line
S73189	850765	p.K60fs*9	c.180_181ins?	breast	carcinoma	9090379	5956	NS
MDA-MB-468	850823	p.L70fs*7	c.208_251del44	breast	carcinoma	9072974	4940	NS
895812	895812	p.A39fs*5	c.116_117insG	central_nervous_system	glioma	15517868	6230	surgery fresh/frozen
S69959	849640	p.A79fs*20	c.237delC	central_nervous_system	glioma	10560660	5837	primary
SKMG-3	847808	p.C71fs*6	c.212_255del44	central_nervous_system	glioma	11515790	4919	NS
S72911	850499	p.D24fs*20	c.70_71insA	central_nervous_system	glioma	9490783	5013	primary
S75437	851274	p.D24fs*20	c.70_71insA	central_nervous_system	glioma	9393744	5013	primary
S64444	845068	p.E43fs*11	c.127delG	central_nervous_system	glioma	9499454	5807	NS
S70838	850036	p.F56fs*2	c.165_492del328	central_nervous_system	glioma	10980610	5872	primary surgery
895809	895809	p.K60*	c.178A>T	central_nervous_system	glioma	15517868	6229	fresh/frozen
S75626	851448	p.K66fs*38	c.197_198ins14	central_nervous_system	glioma	9619835	5022	primary
S69259	849020	p.K6fs*4	c.17_18delAA	central_nervous_system	glioma	11438483	4929	primary
S62854	844241	p.L70fs*7	c.210_253del44	central_nervous_system	glioma	9426052	4887	primary
S62857	844244	p.L70fs*7	c.210_253del44	central_nervous_system	glioma	9426052	4887	primary
SF539	905984	p.M1_*404del	c.1_1212del1212	central_nervous_system	glioma		14078	cell-line
H4	907042	p.M1_*404del	c.1_1212del1212	central_nervous_system	glioma		14078	cell-line
D-								
245MG	946366	p.M1_*404del	c.1_1212del1212	central_nervous_system	glioma		14078	cell-line
D-								
336MG	946369	p.M1_*404del	c.1_1212del1212	central_nervous_system	glioma		14078	cell-line
S69935	849616	p.N12fs*6	c.35_53del19	central_nervous_system	glioma	10560660	4930	primary
S68135	848253	p.R14fs*26	c.42_52del11	central_nervous_system	glioma	12112531	4921	primary
S73281	850849	p.R15fs*9	c.45_46insGA	central_nervous_system	glioma	9072974	5014	primary
A172	687563	p.R55fs*1	c.165_1212del1048	central_nervous_system	glioma		26622	cell-line
SW1088	909745	p.R55fs*1	c.165_1212del1048	central_nervous_system	glioma		26622	cell-line
U-87-								
MG	850822	p.V54fs*29	c.160_208del49	central_nervous_system	glioma	9072974	4939	NS
S64442	845066	p.Y16fs*1	c.47_48insA	central_nervous_system	glioma	9499454	5879	NS
S67801	847927	p.Y46*	c.138C>G	central_nervous_system	glioma	11939587	5307	primary

S65197	845784	p.Y65*	c.195C>A	central_nervous_system	glioma	10096247	5296	primary
S69951	849632	p.Y65*	c.195C>G	central_nervous_system	glioma	10560660	5317	primary
S69958	849639	p.Y76fs*1	c.226_227delTA	central_nervous_system	glioma	10560660	4963	primary
S62656	844061	p.Y76fs*1	c.227_228delAT	central_nervous_system	glioma	9331071	4956	primary
S68139	848257	p.Y76fs*1	c.227_228delAT	central_nervous_system	glioma	12112531	4956	primary
S70960	850147	p.Y88fs*3	c.263_264delAT	central_nervous_system	glioma	9681833	4934	primary
LS971	945577	p.Y88fs*3	c.263_264delAT	central_nervous_system	glioma	10949938	4934	NS
S67198	847435	p.A3fs*14	c.9_30del22	endometrium	carcinoma	11585417	4923	primary
S65694	846198	p.C71fs*6	c.213_256del44	endometrium	carcinoma	10657903	4905	primary
S62930	844310	p.D24fs*19	c.71_72insC	endometrium	carcinoma	9887237	5880	primary
S67536	847693	p.D24fs*19	c.71_72insC	endometrium	carcinoma	11006040	5880	primary
S63111	844441	p.E18fs*5	c.54_57delGGAT	endometrium	carcinoma	9865913	4891	primary surgery
1048066	1048066	p.E73fs*25	c.219_222delAAGA	endometrium	carcinoma	17219201	23629	fresh/frozen
S75526	851354	p.E73fs*4	c.219_220delAA	endometrium	carcinoma	9307275	4948	primary surgery -
1009661	1009661	p.E7fs*3	c.19_20delGA	endometrium	carcinoma	16021566	21341	NOS surgery
1048053	1048053	p.F56C	c.167T>G	endometrium	carcinoma	17219201	23624	fresh/frozen
S75519	851347	p.F90fs*9	c.270delT	endometrium	carcinoma	9307275	5839	primary
S68847	848789	p.H64fs*9	c.190_191delCA	endometrium	carcinoma	11555573	4928	primary
S63113	844443	p.I32fs*22	c.96delT	endometrium	carcinoma	9865913	5800	primary
S66112	846569	p.I32fs*22	c.96delT	endometrium	carcinoma	9326929	5800	primary
S63114	844444	p.I33fs*20	c.97_100delATTG	endometrium	carcinoma	9865913	4893	primary
S63078	844426	p.I33fs*21	c.97delA	endometrium	carcinoma	9829719	5798	primary
S63079	844427	p.I33fs*21	c.97delA	endometrium	carcinoma	9829719	5798	metastasis surgery
E15857	738849	p.K6fs*4	c.17_18delAA	endometrium	carcinoma	12015762	4929	fresh/frozen
S73358	850914	p.K6fs*4	c.17_18delAA	endometrium	carcinoma	11849740	4929	primary surgery
1048051	1048051	p.K6fs*4	c.17_18delAA	endometrium	carcinoma	17219201	4929	fresh/frozen
S67196	847433	p.L25fs*28	c.75_78delGACC	endometrium	carcinoma	11585417	4922	primary surgery -
1009628	1009628	p.L57fs*42	c.166_166delT	endometrium	carcinoma	16021566	21340	NOS surgery
E15818	738809	p.L57fs*6	c.170_171insT	endometrium	carcinoma	12015762	5000	fresh/frozen

S68845	848787	p.L57fs*6	c.170_171insT	endometrium	carcinoma	11555573	5000	primary
1121036	1121036	p.L57fs*6	c.170_171insT	endometrium	carcinoma	18500270	5000	fixed - NOS
S73359	850915	p.N48fs*6	c.143delA	endometrium	carcinoma	11849740	5834	primary
S73362	850918	p.N63fs*10	c.187_188delAA	endometrium	carcinoma	11849740	4942	primary surgery
1048052	1048052	p.N63fs*10	c.187_188delAA	endometrium	carcinoma	17219201	4942	fresh/frozen surgery
1048067	1048067	p.N63fs*10	c.187_188delAA	endometrium	carcinoma	17219201	4942	fresh/frozen
S73361	850917	p.N63fs*11	c.188_189insA	endometrium	carcinoma	11849740	5017	primary
S87002	852673	p.N63fs*36	c.187delA	endometrium	carcinoma	9354433	5836	primary
S65506	846031	p.N63fs*36	c.188delA	endometrium	carcinoma	10746673	5811	primary
S75527	851355	p.N63fs*36	c.188delA	endometrium	carcinoma	9307275	5811	primary
S65507	846032	p.N63fs*36	c.188delA	endometrium	hyperplasia	10746673	5811	primary
S65683	846187	p.N69fs*30	c.206delA	endometrium	carcinoma	10657903	5818	primary
S63112	844442	p.P30fs*24	c.89delC	endometrium	carcinoma	9865913	5799	primary
S86998	852669	p.R14fs*10	c.40delA	endometrium	carcinoma	9354433	5831	primary
S65503	846028	p.R14fs*29	c.41_42insG	endometrium	carcinoma	10746673	5877	primary
S67062	847299	p.R15fs*28	c.45_46insT	endometrium	carcinoma	11190805	5020	primary
S68836	848778	p.R55fs*2	c.165_181del17	endometrium	carcinoma	11555573	4926	primary
S67546	847703	p.T26fs*28	c.78delC	endometrium	carcinoma	11006040	5833	primary
S73360	850916	p.V45fs*10	c.134_135insCA	endometrium	carcinoma	11849740	5016	primary
S67493	847650	p.Y16fs*21	c.46_65del20	endometrium	carcinoma	11006040	4914	primary
S82126	852119	p.Y16fs*28	c.46_47insT	endometrium	carcinoma	15069681	5878	primary
S77674	851776	p.Y27fs*1	c.80_90del11	endometrium	carcinoma	11156411	4964	primary
S86999	852670	p.Y27fs*16	c.80_81delAT	endometrium	carcinoma	9354433	4952	primary surgery
1048065	1048065	p.Y29fs*25	c.83_83delT	endometrium	carcinoma	17219201	23628	fresh/frozen
S63056	844404	p.Y68fs*5	c.202_203delTA	endometrium	carcinoma	9829719	4889	primary
S62932	844312	p.Y76fs*1	c.227_228delAT	endometrium	carcinoma	9887237	4956	primary
S63078	844426	p.Y76fs*1	c.227_228delAT	endometrium	carcinoma	9829719	4956	primary
OPM-2	909249	p.M1_*404del	c.1_1212del11212	haematopoietic_and_lymphoid_tissue	haematopoietic_neoplasm		14078	cell-line
S70738	849939	p.M1fs*7	c.1_8delATGACAGC	haematopoietic_and_lymphoid_tissue	lymphoid_neoplasm	9697884	5982	primary
KE-37	907277	p.Y27fs*1	c.80_1212del1133	haematopoietic_and_lymphoid_tissue	haematopoietic_neoplasm		26623	cell-line
1141	1141074	p.E7fs*3	c.21_22delGA	large_intestine	carcinoma	18781614	27631	surgery

									fresh/frozen
980	1141072	p.F90fs*9	c.270delT	large_intestine	carcinoma	18781614	5839		surgery fresh/frozen
1141	1141074	p.L57fs*42	c.170delT	large_intestine	carcinoma	18781614	5835		surgery fresh/frozen
1190	1141075	p.L57fs*6	c.170_171insT	large_intestine	carcinoma	18781614	5000		surgery fresh/frozen
S66226	846674	p.C83fs*9	c.247_248insT	liver	carcinoma	10363579	5883		primary
H774 NCI-	844562	p.?	c.1-?_492+?del	lung	carcinoma	9696041	5779		NS
H774	844809	p.?	c.1-?_492+?del	lung	carcinoma	9598803	5779		NS
SBC-1 NCI-	713885	p.M1_*404del	c.1_1212del1212	lung	carcinoma		14078		cell-line
H774	924243	p.M1_*404del	c.1_1212del1212	lung	carcinoma		14078		cell-line
N230	844810	p.M1_?del fs	c.1-?_79+?del	lung	carcinoma	9598803	5783		NS
N231	844811	p.M1_?del fs	c.1-?_79+?del	lung	carcinoma	9598803	5783		NS
N417 NCI-	844812	p.M1_?del fs	c.1-?_79+?del	lung	carcinoma	9598803	5783		NS
H1436 LU-134-	908469	p.R55fs*1	c.165_1212del1048	lung	carcinoma		26626		cell-line
A	753588	p.Y27fs*1	c.80_1212del1133	lung	carcinoma		26623		cell-line
S74259	851158	p.L57fs*42	c.170delT	meninges	meningioma	9549723	5835		primary
1131708	1131708	p.C71fs*28	c.213_213delT	ovary	carcinoma	17418409	27933		fresh - NOS surgery - NOS
979747	979747	p.F81fs*18	c.241_242TT>G	ovary	carcinoma	15668893	21619		cell-line
RTSG	909705	p.K6fs*4	c.17_18delAA	ovary	carcinoma		4929		cell-line
S63057	844405	p.Y68fs*5	c.202_203delTA	ovary	carcinoma	9829719	4889		primary
S63183	844508	p.G36fs*18	c.107delG	prostate	carcinoma	9823969	5802		primary
S63185 LNCaP- Clone- FGC	844510	p.G44fs*11	c.131_139GCGTATACA>ACAGAAAGACA	prostate	carcinoma	9823969	5769		primary
907788		p.K6fs*4	c.17_18delAA	prostate	carcinoma		4929		cell-line
LNCaP	850745	p.K6fs*4	c.16_17delAA	prostate	carcinoma	9090379	4937		NS
LNCaP	850821	p.K6fs*4	c.16_17delAA	prostate	carcinoma	9072974	4937		NS
LNCaP	850413	p.K6fs*4	c.17_18delAA	prostate	carcinoma	9661880	4929		NS
S72826	850417	p.Q87*	c.259C>T	prostate	carcinoma	9661880	5163		NS
PC-3	905934	p.R55fs*1	c.165_1212del1048	prostate	carcinoma		26622		cell-line

S72835	850426	p.Y76fs*1	c.226_227delTA	prostate	carcinoma	9661880	4963	NS
FM95	851403	p.?	c.1-?_492+?del	skin	malignant_melanoma	9288767	5779	NS
S77773	851874	p.K6fs*4	c.17_18delAA	skin	malignant_melanoma	10651986	4929	metastasis
G-mel	706101	p.M1_?del fs	c.1-?_79+?del	skin	malignant_melanoma	10766161	5783	NS
SW872	909756	p.M1_*404del	c.1_1212del1212	soft_tissue	liposarcoma		14078	cell-line
UM-UC-3	724838	p.M1_*404del	c.1_1212del1212	urinary_tract	carcinoma		14078	cell-line