

Supplementary Figure S6

SampleID	Chr	Pos	MutDNA	Gene	Transcript	MutAA	MutCodon	Domain	Polyphen2 (probability)	PhyloP score
Pt23-DP1	chr3	178921567	A->G	PIK3CA	NM_006218	D350G	gAc/gGc	C2	0.481	2.166
Pt23-DP1	chr3	178936092	A->G	PIK3CA	NM_006218	E545G	gAg/gGg	PI3Ka	0.998	2.198
Pt24-DP1	chr19	18278061	A->G	PIK3R2	NM_005027	N561D	Aac/Gac	NA	0.991	1.855
Pt18-DP2	chr14	105243048	G->T	AKT1	NM_001014431	Q79K	Cag/Aag	PH	0.997	2.341
Pt40-DP2	chr1	243859016	C->T	AKT3	NM_001206729	E17K	Gaa/Aaa	PH	0.999	1.535
Pt22-DP1	chr18	60506029	A->G	PHLPP1	NM_194449	K596E	Aaa/Gaa	PH	0.968	2.269
Pt22-DP2	chr18	60506029	A->G	PHLPP1	NM_194449	K596E	Aaa/Gaa	PH	0.968	2.269
Pt38-DP1	chr7	106526655	T->A	PIK3CG	NM_002649	V983E	gTg/gAg	PI3Kc	0.957	2.275
Pt37-DP3	chr10	89653819	AG->A	PTEN	NM_000314	A39fs	-	NA	NA	NA
Pt43-DP1	chr10	89692915	AATG->A	PTEN	NM_000314	M134-	atg/-	Phosphatase	NA	1.953
Pt43-DP2	chr10	89692915	AATG->A	PTEN	NM_000314	M134-	atg/-	Phosphatase	NA	1.953

COSMIC ID	GATK-UGF			DP
	DP	Baseline:Fisher-P-value	Normal:Fisher-P-value	
COSM271785(n=1) COSM271786(n=1)	A/G:(67,15)	A/A:(39,0):0.0012	A/A:(81,0):1.5e-05	A/G:(67,15)
COSM764(n=72) COSM125371(n=2)	A/G:(108,42)	A/A:(109,0):3.9e-12	A/A:(126,1):4.42e-12	A/G:(108,42)
NA	A/G:(47,27)	A/A:(145,6):4.593e-10	A/A:(129,4):1.1e-10	A/G:(47,26)
COSM159008(n=1)	G/T:(45,31)	G/G:(82,0):1.3e-12	G/G:(67,0):5.7e-11	G/T:(45,31)
COSM224779(n=1)	C/T:(30,42)	C/C:(187,0):<2.2e-16	C/C:(99,0):<2.2e-16	C/T:(30,41)
NA	A/G:(76,14)	A/A:(102,0):6.9e-06	A/A:(157,0):1.8e-07	A/G:(76,7)
NA	A/G:(96,12)	A/A:(102,0):0.00019	A/A:(157,0):7.1e-06	-
NA	T/A:(51,23)	T/T:(99,0):1.65e-10	T/T:(39,0):8e-06	T/A:(51,21)
NA	AG/A:(5,38)	baseline1:AG/A:(28,34):0.00013 baseline2:AG/A:(49,49):5e-06	AG/AG:(66,0):<2.2e-16	AG/A:(9,30)
NA	AATG/A:(154,34)	AATG/AATG:(138,0):2.336e-09	AATG/AATG:(80,0):1.6e-06	AATG/A:(201,53)
NA	AATG/A:(97,87)	AATG/AATG:(138,0):<2.2e-16	AATG/AATG:(80,0):<2.2e-16	AATG/A:(117,87)

VarScan2		MuTect/SomaticIndelDetect	
Baseline:Fisher-P-value	Normal:Fisher-P-value	DP:lod_fstar	Baseline:init_n_lod
A/A:(39,0):0.0018458198521728397	A/A:(80,0):1.830773587899931E-5	A/G:(59,15):46.756805	A/A:(39,0):11.737526
A/A:(109,0):6.366394804439488E-12	A/A:(126,1):7.050851130945737E-12	A/G:(99,37):125.885086	A/A:(95,0):28.593861
A/A:(145,6):1.1455359658130202E-9	A/A:(125,4):8.822443220206934E-10	-	-
G/G:(81,0):3.1877027083603756E-12	G/G:(66,0):1.0309476978341787E-10	G/T:(38,26):83.929342	G/G:(79,0):23.742459
C/C:(302,0):1.1409147658048076E-35	C/C:(99,0):2.1977137152522464E-20	C/T:(27,39):131.11143	C/C:(223,0):67.038372
A/A:(102,0):0.0031649235921285346	A/A:(157,0):4.98366912970567E-4	A/G:(70,13):38.267665	A/A:(93,0):27.990006
-	-	A/G:(88,10):28.653722	A/A:(93,0):27.990006
T/T:(98,0):2.071910490343688E-9	T/T:(39,0):3.326947890373574E-5	T/A:(51,22):65.098339	T/T:(93,0):27.976749
baseline1:AG/AG:(57,40): 1.3603285722410777E-4	AG/AG:(59,1):2.791808309471781E-16	NA	NA
baseline2:AG/AG:(28,26):0.004458453822685361	AATG/AATG:(82,0):8.02500922960881E-8	-	-
AATG/AATG:(145,2):9.071091174964504E-10	AATG/AATG:(82,0):1.5127743082852972E-16	-	-
AATG/AATG:(145,2):1.7261576241083148E-22			

or

Normal:init_n_lod

A/A:(78,0):23.453236

A/A:(114,1):30.433055

-

G/G:(65,0):19.554646

C/C:(89,0):26.784612

A/A:(137,0):41.235833

A/A:(137,0):41.235833

T/T:(36,0):10.827108

NA

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