

Table S1 Genomic alterations of the three ACC lesions.

Sample	Test id	Type	Gene	Gene.ID	AACChange	Chr.start	Chr.end	Ref
LLL	FB20090248-A3A8AA9XNF1-A001L000KA6W	Mutant	PIK3R1	PIK3R1:NM	c.201dup(p.I68Yfs*8)	5:6758818	5:6758818	-
LLL	FB20090248-A3A8AA9XNF1-A001L000KA6W	Mutant	LYN	LYN:NM_00	c.1079G>A(p.R360Q)	8:5691093	8:5691093	G
LLL	FB20090248-A3A8AA9XNF1-A001L000KA6W	Mutant	SPOP	SPOP:NM_	c.361C>T(p.R121W)	17:476964	17:476964	G
LLL	FB20090248-A3A8AA9XNF1-A001L000KA6W	Mutant	SETD2	SETD2:NM_	c.4929C>G(p.N1643K)	3:4714303	3:4714303	G
LLL	FB20090248-A3A8AA9XNF1-A001L000KA6W	Mutant	FBXW7	FBXW7:NM	c.1034C>T(p.T345I)	4:1532493	4:1532493	G
LLL	FB20090248-A3A8AA9XNF1-A001L000KA6W	CNV	MCL1	.	.	.	.	.
LLL	FB20090248-A3A8AA9XNF1-A001L000KA6W	MS	.	.	MSS	.	.	.
LLL	FB20090248-A3A8AA9XNF1-A001L000KA6W	TMB	.	.	.	.	.	.
RML	FB20090249-A3A8AA9XNF1-A001L000KA6W	Mutant	PIK3R1	PIK3R1:NM	c.201dup(p.I68Yfs*8)	5:6758818	5:6758818	-
RML	FB20090249-A3A8AA9XNF1-A001L000KA6W	MS	.	.	MSS	.	.	.
RML	FB20090249-A3A8AA9XNF1-A001L000KA6W	TMB	.	.	.	.	.	.
RLL	FB20090250-A3A8AA9XNF1-A001L000KA6W	MS	.	.	MSS	.	.	.
RLL	FB20090250-A3A8AA9XNF1-A001L000KA6W	TMB	.	.	.	.	.	.
Blood	PB20090247-C5C8AA9XNF1-A001L000KA6W	SNP	DPYD	DPYD:NM_	(c.1627A>G(p.I543V)	1:9798139	1:9798139	T
Blood	PB20090247-C5C8AA9XNF1-A001L000KA6W	SNP	ERCC1	ERCC1:NM_	c.354T>C(p.N118=)	19:459236	19:459236	A
Blood	PB20090247-C5C8AA9XNF1-A001L000KA6W	SNP	ERCC2	ERCC2:NM_	c.2251A>C(p.K751Q)	19:458549	19:458549	T
Blood	PB20090247-C5C8AA9XNF1-A001L000KA6W	SNP	NQO1	NQO1:NM_	c.559C>T(p.P187S)	16:697451	16:697451	G
Blood	PB20090247-C5C8AA9XNF1-A001L000KA6W	SNP	TYMS 6bp	TYMS:NM_	(c.*450_*455delAAGTTA	18:673444	18:673449	TTAAAG
Blood	PB20090247-C5C8AA9XNF1-A001L000KA6W	SNP	UGT1A1	UGT1A1:NM	c.211G>A(p.G71R)	2:2346691	2:2346691	G
Blood	PB20090247-C5C8AA9XNF1-A001L000KA6W	SNP	GSTT1	.	.	.	.	.
Blood	PB20090247-C5C8AA9XNF1-A001L000KA6W	TMB	.	.	.	.	.	.

Alt	Hom.Het	ExonicFunc	rsID	AF	CopyNumb	Remarks	targetlevel	chemolevel	Rtlevel	ACMG	FilterCondi
T	het	frameshift_variant	.	29.75%	.	.	level3	.	.	.	.
A	het	missense_variant	rs20189561	10.83%	.	.	level4	.	.	.	.
A	het	missense_variant	.	7.88%	.	.	level4	.	.	.	.
C	het	missense_variant	.	7.56%	.	.	level4	.	.	.	.
A	het	missense_variant	.	7.12%	.	.	level4	.	.	.	.
.	.	.	.	.	2.0894	.	level3	level2	level1	.	.
.	.	.	.	42.31%	.	.	.	.	.	.	.
.	.	.	.	41.51%	6.3	.	.	.	.	.	.
T	het	frameshift_variant	.	23.71%	.	.	level3	.	.	.	.
.	.	.	.	9.62%	.	.	.	.	.	.	.
.	.	.	.	76.60%	2.1	.	.	.	.	.	.
.	.	.	.	38.46%	.	.	.	.	.	.	.
.	.	.	.	100%	0	.	.	.	.	.	.
C	hom	missense_variant	rs1801159	100.00%	.	.	.	level1	.	.	.
G	hom	synonymous_variant	rs11615	99.93%	.	.	.	level1	.	.	.
G	het	missense_variant	rs13181	51.82%	.	.	.	level1	.	.	.
A	hom	missense_variant	rs1800566	99.94%	.	.	.	level1	.	.	.
-	hom	3_prime_UTR_variant	rs15126431	84.56%	.	.	.	level1	.	.	.
A	het	missense_variant	rs4148323	49.16%	.	.	.	level1	.	.	.
.	hom	.	.	.	.	.	.	level1	.	.	.
.	.	.	.	85.95%	1.1	.	.	.	.	.	.

