S12 Table. *PBRM1* mutations of P1 from the paired targeted sequencing data

Patient	Sample	Chr	Start	End	Ref	Alt	VAF (%)	Exonic Func.refGene
1	ADC1	3	52637699	52637699	T	-	4	Frameshift deletion
1	ADC1	3	52637700	52637700	A	C	3	Nonsynonymous SNV
1	ADC1	3	52696274	52696274	T	A	2	Stopgain

VAF, variant allele frequency; ADC, adenocarcinoma; SNV, single nucleotide varaint.