

Table SI. A panel of 56 cancer-associated genes identified in the present study using next generation sequencing.

Mutation						Fusion/translocation	Amplification
AKT1	ARAF	ATM	BIM	BRAF	BRCA1	ALK	CYP2D6
BRCA2	CCND1	CDK4	CDK6	CDKN2A	CTNNB1	FGFR3	DPYD
DDR2	EGFR	ERBB2	ERBB3	ERBB4	FGF19	NTRK	UGT1A1
FGF3	FGF4	FGFR1	FGFR2	FLT3	HRAS	RET	
JAK1	JAK2	KDR	KIT	KRAS	MYC	ROS1	
MAP2K1	MET	MTOR	NRAS	NRG1	NTRK2		
NTRK3	PDGFRA	PIK3CA	PTCH1	PTEN	RB1		
RAF1	SMO	STK11	TP53	TSC2	TSC2		