

**Supplemental Table 1.** Mutations Analyzed

Gene	Mutation	P-value for PFS	P-value for OS
ERBB2	Ex20 insertion	0.110	<b>0.016</b>
STK11/KEAP1/PTEN	Any loss of function frameshift or truncating mutation		
KRAS	G12D, G12V, G12R, G12C, G12A, G12S, G13C, G13D, Q61H	0.572	0.211
PIK3CA	E542K, E545K, E545Q	0.791	0.982
FGA	Fraction of genome aneuploidy (continuous variable)	0.105	0.662