

**Table S1.** Primer sequences of selected genes.

Primer Name	Sequence (5'-3')
p53 Forward	ACCTATGGAAACTACTTCCTG
p53 Reverse	ACCATTGTTCAATATCGTCC
APC Forward	AGAGGTCATCTCAGAACAAG
APC Reverse	CATGTTGATTTCTCCCACTC
KRAS Forward	GGCCTGCTGAAAATGACTG
KRAS Reverse	CTTGCTTCCTGTAGGAATCCTC
c-MYC Forward	TGAGGAGGAACAAGAAGATG
c-MYC Reverse	ATCCAGACTCTGCCTTTTG
PDCD-L1 Forward	GTGGCATCCAAGATACAAACTCAA
PDCD-L1 Reverse	TCCTTCCTCTTGTCACGCTCA
CTLA-4 Forward	TTGCTAAAGAAAAGAAGCCC
CTLA-4 Reverse	AAAGTTAGAATTGCCTCAGC
CD47 Forward	GGCAATGACGAAGGAGGTT
CD47 Reverse	ATCCGGTGGTATGGATGAGA
PTPRC Forward	CTGGATTGACTACAGCAAAG
PTPRC Reverse	GGAAGTATTGTCTGGACTAAG
$\beta$ -actin Forward	GACGACATGGAGAAAATCTG
$\beta$ -actin Reverse	ATGATCTGGGTCATCTTCTC