

**Table S1** RT-qPCR primer sequences

Genes	Primer sequences
CUL3 (human)	Forward 5'-TGTCCAAGGTTGCTAGCAGG-3' Reverse 5'-TTTTCTCCTGAGAGCTGGCG-3'
CUL3 (mouse)	Forward 5'-CTCTTTAGGTGGTGTGATCTC-3' Reverse 5'-CTTCTAAATATCTCAAAGCATG-3'
SPOP (human)	Forward 5'-CCTGGAGCGCTTAAAGGTCA-3' Reverse 5'-AAAGGGAACACAGTGACGCA-3'
PD-L1 (human)	Forward 5'-TGGCATTGCTGAACGCATTT-3' Reverse 5'-TGCAGCCAGGTCTAATTGTTTT-3'
PD-L1 (mouse)	Forward 5'-CTGGGATCCATCCTGTTGTTCC-3' Reverse 5'-TTACGTCTCCTCGAATTGTG-3'
IL-2 (human)	Forward 5'-TGCTGATGAGACAGCAACCA-3' Reverse 5'-GAGCCCCTAGGGCTTACAAAA-3'
IFN- $\gamma$ (human)	Forward 5'-GTCGCCAGCAGCTAAAACAG-3' Reverse 5'-GCACCAGGCATGAAATCTCC-3'
GAPDH (human)	Forward 5'-GGCTGTTGTCATACTTCTCATGG-3' Reverse 5'-GGAGCGAGATCCCTCCAAAAT-3'
GAPDH (mouse)	Forward 5'-CTGAGGGCCCACTGAAGGGCA-3' Reverse 5'-GCAATGCCAGCCCCGGCATC-3'