

Expression of immune checkpoints and T cell exhaustion markers in early and advanced stages of colorectal cancer

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Supplementary Table 1: Primer sequences used in the study

RT-qPCR primers

Genes	Forward primer (5'-3')	Reverse primer (5'-3')
PD-1	CCAGGATGGTTCTTAGACTCCC	TTTAGCACGAAGCTCTCCGAT
TIM-3	TCCAAGGATGCTTACCACCAG	GCCAATGTGGATATTTGTGTTAGATT
CTLA-4	GCCCTGCACTCTCCTGTTTTT	GGTTGCCGCACAGACTTCA
VISTA	ACGCCGTATTCCCTGTATGTC	TTGTAGAAGGTCACATCGTGC
LAG-3	GCGGGGACTTCTCGCTATG	GGCTCTGAGAGATCCTGGGG
TIGIT	TCTGCATCTATCACACCTACCC	CCACCACGATGACTGCTGT
TOX	TATGAGCATGACAGAGCCGAG	GGAAGGAGGAGTAATTGGTGGA
TOX2	AGAGCGAGAACAACGAAGACT	TGGCCTGATAGGAGTAGGCAG
TOX3	CCTGCCAGCCTGGACTTC	GAGGAGGCGTGATTGGTGG
TOX4	TGACAATTACCTGACGATCACAG	TCCAAGGAGATAGGTGGGATTTC
SIRT1	TAGCCTTGTCAGATAAGGAAGGA	ACAGCTTCACAGTCAACTTTGT
Ki67	ACGCCTGGTTACTATCAAAAGG	CAGACCCATTTACTTGTGTTGGA
Helios	TCACCCGAAAGGGAGCACT	CATGGCCCCTGATCTCATCTT
CD244	TCGTGATTCTAAGCGCACTGT	CAGGTTCTTGTGACGTGGGAG
CD160	GCTGAGGGGTTTGTAGTGTTT	GTGTGACTTGGCTTATGGTGA
KLRG1	TCCATGTTAGAGTTGCCTACGG	AAGTGGAGTAGTTGGAGCCCT
PRDM1	AAGCAACTGGATGCGCTATGT	GGGATGGGCTTAATGGTGTAGAA
β -actin	AGAGCTACGAGCTGCCTGAC	AGCACTGTGTTGGCGTACAG