

Table SI. Primer sequences for qPCR analysis of inflammation-related and signaling pathway genes in human synovial cells (SW982).

Gene	Forward (5'→3')	Reverse (5'→3')
MAPK14 (p38 $\alpha$ )	GAGCGTTACCAGAACCTGTCTC	AGTAACCGCAGTTCTCTGTAGGT
MAPKAPK2	ACGGTGGAGAACTCTTTAGCCG	CTTGACATCCCGATGGGCAATG
DUSP1 (MKP-1)	CAACCACAAGGCAGACATCAGC	GTAAGCAAGGCAGATGGTGGCT
IL-6	ACTCACCTCTTCAGAACGAATTG	CCATCTTTGGAAGGTTTCAGGTTG
TNF- $\alpha$	CTCTTCTGCCTGCTGCACTTTG	ATGGGCTACAGGCTTGTCCTC
MMP13	CCTTGATGCCATTACCAGTCTCC	AAACAGCTCCGCATCAACCTGC
GAPDH	GCAAATTCCATGGCACCGT	TCGCCCACTTGATTTTGG

Table SII. Primer sequences for qPCR analysis of target genes in rat synovial tissue

Gene	Forward (5'→3')	Reverse (5'→3')
IL-6 (rat)	ACTTCACAAGTCGGAGGCTT	AGTGCATCATCGCTGTTTCAT
TNF- $\alpha$ (rat)	ATGGGCTCCCTCTCATCAGTTCC	GCTCCTCCGCTTGGTGGTTTG
Mmp13 (rat)	CAAGCAGCTCCAAAGGCTAC	TGGCTTTTGCCAGTGTAGGT
Mapk14 (rat)	CCGAACGATACCAGAACCTGTC	ACGCAACTCTCGGTAGGTCCTT
GAPDH (rat)	AAGCCCATCACCATCTTCCAGGAG	ATGAGCCCTTCCACAATGCCAAAG