

Supplemental Material

S2. List of the primers used for methylation analysis

Region	Amplification Primer	Sequencing primer
Region 1 TNF- α	For: TTTTTATATGAGATTATGG (biotinylated)	S1:CCTTTATAACCCCTTAAAAAAAAA
	Rev: ACTTCTACTAACTAECTATAC	S2: ACTTCTACTAACTAECTATACAA
Region 2 TNF- α	For: GAGGGAGAATAGAAATTTAGAA	S1: AGGTTTTGTTTTTTTATTATTG
	Rev: TAAAATTCTAAAACCCCCCAT (biotinylated)	S2: ATTATGAGTATAGAAAGTATGAT

Target	Primer name	Primer sequence	Application	Note
TNF- α chr17:35201591-35202581	mTNFpromREG1_For (biotinylated)	TTTTTATATGAGATTATGG	Region1 PCR amplification for pyrosequencing	The region analysed was divided in two fragments (Region 1 and 2) and each fragment was sequenced in two different round (sequence 1 and 2)
	mTNFpromREG1_Rev	ACTTCTACTAACTAECTATAC		
	Region1 Sequence1	CCTTTATAACCCCTTAAAAAAAAA	Sequencing primer for Region 1	
	region1 Sequence2	ACTTCTACTAACTAECTATACAA		
	mTNFpromREG2_For	GAGGGAGAATAGAAATTTAGAA	Region2 PCR amplification for pyrosequencing	
	mTNFpromREG2_Rev (biotinylated)	TAAAATTCTAAAACCCCCCAT		
	Region2 Sequence1	AGGTTTTGTTTTTTTATTATTG	Sequencing primer for Region 1	
	Region2 Sequence2	ATTATGAGTATAGAAAGTATGAT		
SOCS3 chr11:117967652-117968576	meth_SOCS3_for1	GTTGGGTTTGAGATACGGTT	Primer for methylated fragments	
	meth_SOCS3_rev1	CGCGACGATAACTACAACCTCTC		
	unMeth_SOCS3_for1	GGTGGTTGGTTTGAGATATG	Primer for unmethylated fragments	
	unMeth_SOCS3_rev1	AATCTACACAACAATAACTACAACCTCTC		