

Online Resource 1

Article title: IL-13-responsive CST1 and a candidate lncRNA–miR-221-3p–POSTN/SERPINB2 network in allergic rhinitis: transcriptomic analysis and in vitro validation

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Table S1 Primer sequences used for RT-qPCR

Target (normalizer)	Accession / ID	Forward primer (5' → 3')	Reverse primer (5' → 3')	Type
CCL26 (GAPDH)	NM_006072	TCCTGGCTCATGGTAATGAAGA	CAGCAGGTGATGCTGAGGTG	mRNA
IL6 (GAPDH)	NM_000600	ACTCACCTCTTCAGAACGAATTG	CCATCTTTGGAAGGTTTCAGGTTG	mRNA
CXCL8/IL8 (GAPDH)	NM_000584	ACTGAGAGTGATTGAGAGTGGAC	AACCCTCTGCACCCAGTTTTC	mRNA
MUC5AC (GAPDH)	NM_017511	CAGCCACGTCCCCTTCAATA	ACCGCATTTGGGCATCC	mRNA
POSTN (GAPDH)	NM_006475	TGCCCAGCAGTTTTGCCCAT	GCTGCCCTAACATGGGCGTT	mRNA
SERPINB2 (GAPDH)	NM_002575	TGCAGGCTGACTTCCAAGGAT	TGGTGCATCCTTGCTGTGTG	mRNA
GAS5 (GAPDH)	NR_002578	CTTGCCTGGACCAGCTTAAT	CAAGCCGACTCTCCATACCT	lncRNA
NEAT1 (GAPDH)	NR_131012	CTTCCTCCCTTTAACTTATCCATTAC	CTCTTCCTCCACCATTACCAACAATAC	lncRNA
MALAT1 (GAPDH)	NR_002819	AGGCGTTGTGCGTAGAGGA	GGATTCTGCTGCTGCTTGG	lncRNA
GAPDH (reference)	NM_002046	GGAGCGAGATCCCTCCAAAAT	GGCTGTTGTCATACTTCTCATGG	Reference gene
hsa-miR-221-3p (U6)	MIMAT0000278	CGCGAGCTACATTGTCTGCTG	AGTGCAGGGTCCGAGGTATT	miRNA
U6 snRNA (reference)	—	CTCGCTTCGGCAGCACA	AACGCTTCACGAATTTGCGT	Reference RNA

All primer pairs were experimentally validated before use. Primer sequences are shown in the 5' → 3' direction. GAPDH was used as the endogenous reference for mRNAs and lncRNAs, whereas U6 snRNA was used as the endogenous reference for hsa-miR-221-3p. Relative expression was calculated using the $2^{-\Delta\Delta C_t}$ method.