

Supplementary Table S1.

Genes involved in the GO term 'Positive regulation of interleukin-6 production' (GO:0032755) with significantly altered expression in chondrocytes from TRPA1 KO mice compared to cells from corresponding WT mice

<b>GO term</b>	<b>Number of altered genes</b>	<b>Altered genes</b>	<b>FDR-adjusted p-value</b>
Positive regulation of interleukin-6 production (GO:0032755)	14	<i>IL33, SPON2, TICAM2, CARD9, IL1F9, P2RX7, PYCARD, IL1A, IL6, IL1F6, IL1B, CD36, CCR5, TLR2</i>	0.0135

Next-generation RNA sequencing was performed on IL-1 $\beta$ -treated chondrocytes from TRPA1 KO and corresponding WT mice. Gene Ontology (GO)-analysis focusing on the GO term 'Positive regulation of interleukin-6 production' (GO:0032755) was performed using the DAVID database. P-value is given as false discovery rate (FDR)-adjusted.

All genes involved in GO:0032755 term according to the Gene Ontology Browser of the Mouse Genome Informatics (MGI) database can be found at: <http://www.informatics.jax.org/go/term/GO:0032755> (accessed 13.11.2020)