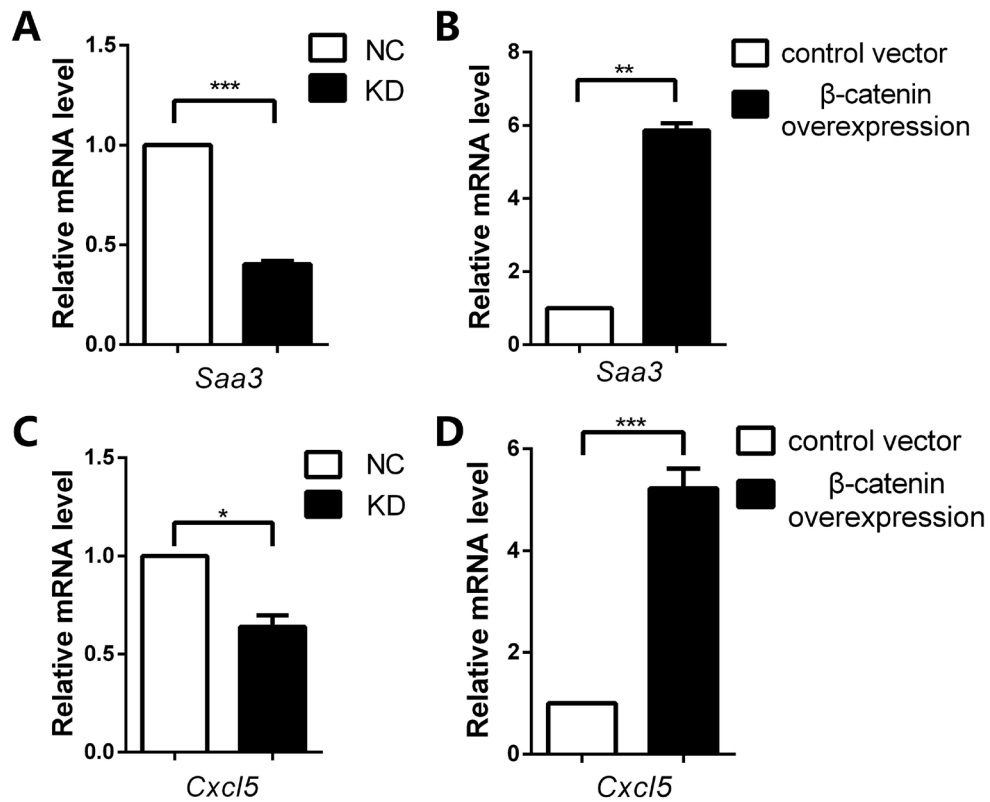


**Figure S1** PPI network of the DEGs in MEPM cells. PPI, protein-protein interaction; DEGs, differentially expressed genes; MEPM, mouse embryonic palatal mesenchymal.



**Figure S2** Validation of RNA-Seq results by qRT-PCR. (A,C) *Saa3* and *Cxcl5* were uniquely decreased in β-catenin silenced MEPM cells compared to NC group, (B,D) while *Saa3* and *Cxcl5* exhibited significantly upregulated mRNA expression level in β-catenin overexpressed MEPM cells. Data are presented as mean ± SD. \*P<0.05, \*\*P<0.01, \*\*\*P<0.001. NC, negative control; KD, knockdown; MEPM, mouse embryonic palatal mesenchymal; qRT-PCR, quantitative real-time polymerase chain reaction.

**Table S1** The detailed primer sequences were as follows

Gene	Sequence (5'-3')
<i>β-catenin</i>	F: AGGAATGAAGGCGTGGCAACATAC
	R: GGCACCAATGTCCAGTCCAAGATC
<i>Saa3</i>	F: AGAGAGGCTGTTCAGAAGTTCA
	R: AGCAGGTCGGAAGTGGTTG
<i>Cxcl5</i>	F: TCGTGTGTTTTGCTTAACCG
	R: CTTCCACCGTAGGGCACTG
<i>GAPDH</i>	F: GGTTGTCTCCTGCGACTTCA
	R: TGGTCCAGGGTTTCTTACTCC