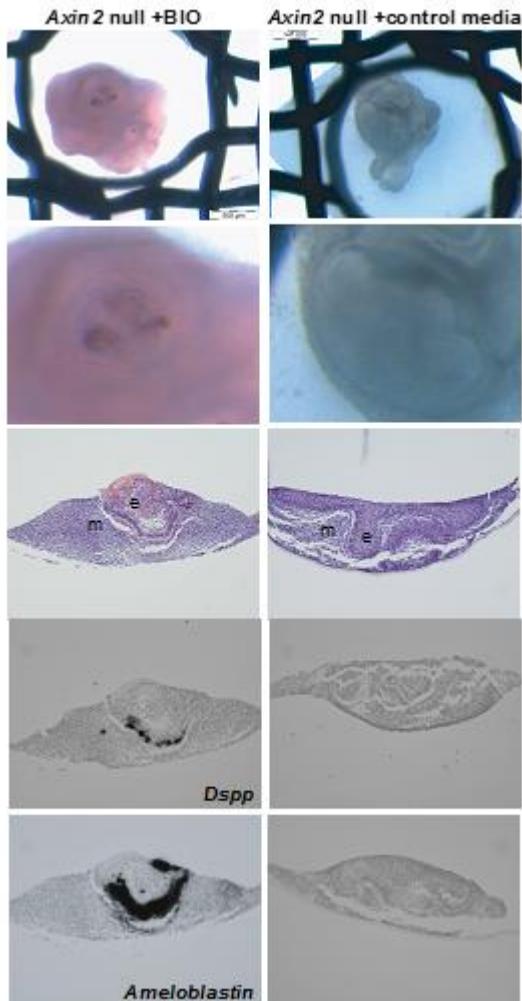


**Supplementary Figure 1.** *Axin2*-null mutant shows no tooth phenotype.



**Supplementary Figure 2.** Differentiation of dentin producing odontoblasts and enamel producing ameloblasts is accelerated by BIO (10 $\mu$ M) in E13.5 *Axin2*-null mutant teeth during 4 days in culture. Accelerated expression of dentin (*Dspp*) and enamel (*Ameloblastin*) in *Axin2*-null mutant. e: epithelium; m: mesenchyme.

**Table S1. List of primers**

Gene	Forward	Reverse
<i>Hprt</i>	CAGTCCCAGCGTCGTGATTA	TCGAGCAAGTCTTCAGTCCT
<i>Drapc1</i>	ATGAACACCACCCCTCCCATA	TCGAGCGTAGATGGTGAATG
<i>Fgf10</i>	CCGTACAGTGTCCCTGGAGATAA	TTTCCCCTCTTGTTCATGGCT
<i>Runx2</i>	TCGGAGAGGTACCAAGATGGG	TGAAACTCTTGCCTCGTCCG
<i>Axin2</i>	ATAAGCAGCCGTTCGCGATG	TCATGTGAGCCTCCTCTTTA
<i>Id1</i>	CTCGGAGTCTGAAGTCGGGA	GGAACACATGCCGCCTCG
<i>Bmp4</i>	CCTGCAGCGATCCAGTCTCT	ACTACGGAATGGCTCCATT
<i>Fgf2</i>	AGCGGCTACTGCAAGAAC	GCCGTCCATCTCCTTCATA
<i>Fgf3</i>	TGCTTCGGATCACTACAACG	GGGCAGGAAGAGAGAGGACT