

Supplementary Table 1. Primer sequences used for real-time quantitative reverse transcriptase polymerase chain reaction (qRT-PCR).

Gene	5' to 3'	Primers
<i>Dc-stamp</i>	Sense	5'-AAAACCCTTGGGCTGTTCTT-3'
	Anti-Sense	5'-AATCATGGACGACTCCTTGG-3'
<i>Atp6v0d2</i>	Sense	5'-AAGCCTTTGTTTGACGCTGT-3'
	Anti-Sense	5'-TTCGATGCCTCTGTGAGATG-3'
<i>Nfatc1</i>	Sense	5'-CCGTTGCTTCCAGAAAATAACA-3'
	Anti-Sense	5'-TGTGGGATGTGAACTCGGAA-3'
<i>Mmp9</i>	Sense	5'-TACTGGGCGTTAGGGACAGA-3'
	Anti-Sense	5'-AGTGAGTTGGACTCTCGGGA-3'
<i>Ctsk</i>	Sense	5'-CTTCCAATACGTGCAGCAGA-3'
	Anti-Sense	5'-TCTTCAGGGCTTTCTCGTTC-3'
<i>β-Actin</i>	Sense	5'-GTGCTATGTTGCTCTAGACTTCG-3'
	Anti-Sense	5'-ATGCCACAGGATTCCATACC-3'
<i>Gapdh</i>	Sense	5'-GGCAAGTTCAACGGCACAGT-3'
	Anti-Sense	5'-TGGTGAAGACGCCAGTAGACTC-3'

Supplementary Figure 1. Representative SEM images of resorption pits on different HA substrates at day 21. HA discs immersed in complete culture media without cells were used as controls. Scale bars: 5 μ m.

