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J.W. Kim[1,4†], H. Choi[2,4†], B.C. Jeong[2,4], S.H. Oh[2,4], S.W. Hur[2,4], B.N. Lee[1,4], S.H. Kim[4], J.E. Nör[3], J.T. Koh[2,4*], and Y.C. Hwang[1,4*]

[1]Department of Conservative Dentistry, School of Dentistry, Dental Science Research Institute, Chonnam National University, Gwangju, Korea; [2]Department of Pharmacology and Dental Therapeutics, Dental Science Research Institute, School of Dentistry, Chonnam National University, Gwangju, Korea; [3]Angiogenesis Research Laboratory, Department of Cariology, Restorative Sciences, Endodontics, University of Michigan, School of Dentistry, Ann Arbor, MI 48109-1078, USA; [4]Research Center for Biomineralization Disorders, Chonnam National University, Gwangju, Korea; and [†]authors contributing equally as first authors; *corresponding authors, jtkoh@chonnam.ac.kr, ychwang@chonnam.ac.kr

Transcriptional Factor ATF6 is Involved in Odontoblastic Differentiation

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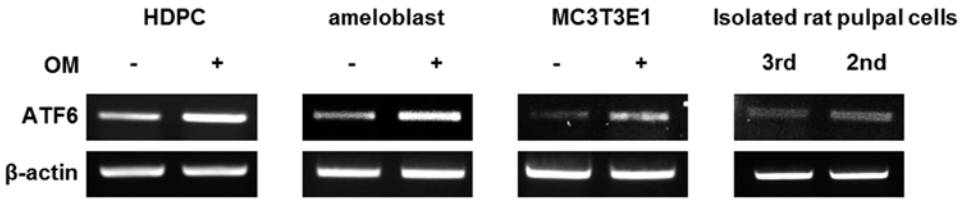
APPENDIX

Appendix Table 1. Primer Sequences Used in RT-PCR of Rat Tooth Germs

Gene	Primer Sequence (5′-3′)	Temperature (°C)	Product (bp)
ATF6α	F: GGATTTGATGCCTTGGGAGT R: ATTTTTTTCTTTGGAGTCAG	55	192
DMP1	F: GGAGCAAGGTGACAGCGAGT R: GAGACTGGAGGCCTTCCTGG	60	104
DSPP	F: GGGAAGGTGCTGGTTTGGAT R: TCCATCTCCTGCGTCTGCAC	55	89
β-Actin	F: GCTGACAGGATGCAGAAGGA R: TGGACAGTGAGGCCAGGATA	55	124

Appendix Table 2. Primer Sequences Used in RT-PCR of Immortalized Human Dental Pulp Cells (HDPCs)

Gene	Primer Sequence (5′-3′)	Temperature (°C)	Product (bp)
ATF6α	F: TCCTCGGTCAGTGGACTCTTA R: CTTGGGCTGAATTGAAGGTTTTG	55	212
DMP1	F: GCTAGCTGGTGGCTTCTCCA R: CAGCAATTGGCTGCCACCTG	62	522
DSPP	F: CAGCCAAAGAATAGAGGAC R: GGGACCCTTGATTTCTAT	52	133
β-Actin	F: ACCCACACTGTGCCCATCTAC R: GCCATCTCCTGCTCGAAGTC	55	206



Appendix Figure. Expression of ATF6 during the differentiation process. HDPC, ameloblast, and MC3T3E1 cells were cultured with 50 μg/mL ascorbic acid and 5 mM β-glycerophosphate (β-GP) and harvested for total RNA isolation. RT-PCR was performed. During the differentiation process in each cell type, ATF6 expression was increased.