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Expression and Function of Enamel-related Gene Products in Calvarial Development

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APPENDIX

Appendix Table 1. Primer Sequences for Real-time PCR

Name/Accession Number	Forward Primer	Reverse Primer
Amel NM_001081978.2	5' GCACCACAGCCACCTCTGCC 3'	5' CGCCACTTCTCCCGCTTGGT 3'
Ambn NM_009664.1	5' GCCAACCCAGGCAAACGGGA 3'	5' CCCTGCAGGACCCCTTGCCA 3'
Enam NM_017468.3	5' GCTTTGGCTCCAATTCAAAA 3'	5' AGGACTTTCAGTGGGTGTGG 3'
Amtn NM_027793.1	5' CAGGGAACCACTCCGGGCCA 3'	5' TGGTGTGTGTGGCCCTTCGC 3'
Odam NM_027128.2	5' GCTCAGGTCTCAGGACGCCCA 3'	5' CCTGGCCTCCTTGGGCAAGTC 3'
Mmp20 NM_013903.2	5' GGTGCTACCTGCCTCTGGCCT 3'	5' GTCCTAGGGGTGGCTGCCAGT 3'
Klk4 NM_019928.1	5' CCGGATCATACAAGGCCAGG 3'	5' TGCGGATGCACCAAGACTC 3'
Msx2 NM_013601.2	5' CACAGTCCCGGGCCTCTCGT 3'	5' CGGGGAGTATCTGCCGGGCT 3'
Twist1 NM_011658.2	5' TGGCGGCCAGGTACATCGACT 3'	5' CCAGGCCCTCCATCCTCC 3'
Alx4 NM_007442.3	5' GTGCCAGCCTGTGTGGTCCC 3'	5' GTCTGGCCCACGTGACTGCC 3'
Fgfr2 NM_010207.2	5' AACAGCGGACACCCCGATGC 3'	5' GCCCGAAGCAACCTTCCCC 3'
Col1a1 NM_007742.3	5' AAGACCTCCCGCTGCCCAT 3'	5' CACGAAGCAGGCAGGGCCAA 3'
Ibsp NM_008318.3	5' GGAACCACAGGGGGCAGGGA 3'	5' TCCCATAGGCTTCGGGCGGT 3'
β actin NM_007393	5' GCTACAGCTTACCACCACA 3'	5' TCTCCAGGGAGGAAGAGGAT 3'

* All the PCR products were dissociated and sequenced and compared with the EMBL/GenBank sequence at DNA facility, University of Illinois at Chicago.

Appendix Table 2. Types and Concentrations of Antibodies

Name	Animal	Concentration
Amelx	Chicken anti-mouse (Zymed)	1: 5,000
Ambn	Rabbit anti-mouse (Zymed)	1: 1,500
Enam	Rabbit anti-mouse (Yenzym)	1: 800
Rabbit IgG	Donkey anti-rabbit (Abcam)	1: 2,500
Chicken IgY	Donkey anti-chicken (Abcam)	1: 5,000