

Supplemental Table 1

Gene name	Forward primer	Reverse primer
<i>Gapdh</i>	5'CATTGACCTCAACTACATGG3'	5'CTCAGTGTAGCCCAGGATGC3'
<i>Msx2</i>	5'TCCGCCAGAAACAGTACCTC3'	5'GCAGCCATTTTCAGCTTTTC3'
<i>Fst</i>	5'TTTTCTGTCCAGGCAGCTCCAC3'	5'GCAAGATCCGGAGTGCTTCACT3'
<i>Sp6</i>	5'CCGGCAATGCTAACCGCTGTCTGTG3'	5'GGCTCAGTTGGAGGACGCCGAGCTG3'
<i>Lama3</i>	5'GGCCAAGTGGAGTTTGACAT3'	5'TGTCTCCTCCACAACCTGCTG3'
<i>Sprouty2</i>	5'GGGTTAGGGGATTTGTGGTT3'	5'GCAATGTGGGTCTCCAACCTT3'
<i>Sp3</i>	5'ACGCTCAGCAGGTTTCAGATT3'	5'AGTTTGGCCAGGAAATGATG3'
<i>Connexin45</i>	5'GAACACGGCAAGGTGAAGAT3'	5'GAGCGAGAGACACCAAGGAC3'
<i>Wnt3</i>	5'GCGACTTCCTCAAGGACAAG3'	5'AAAGTTGGGGGAGTTCTCGT3'
<i>Tgfβ1</i>	5'TTGCTTCAGCTCCACAGAGA3'	5'TGGTTGTAGAGGGCAAGGAC3'
<i>Enamelin</i>	5'AACCAGTCCACAGGACCAAG3'	5'CCAGAGGCCCAATCTCATT3'
<i>Tbx1</i>	5'ATGGGACGAGTTCAATCAG3'	5'GTACCGGTAGCCTTGTCAT3'
<i>Amelogenin</i>	5'CAAGAAATGGGGACCTGGATC3'	5'GCTGCCTTATCATGCTCTGG3'
<i>Ameloblastin</i>	5'CATGTCTTATGGAGCAAACCA3'	5'TCTTGCAGTGGAGAGCCTTCT3'
Primers for Msx2 promoter binding Regions		
F1-R1	5'TGCAGAAATTCTTCCCCTCT3'	5'AAAGCCAAACATCAGGGCTA3'
F2-R2	5'TATGTGTGCATTGGGCATTT3'	5'TTCATCTTGCAGGTCACAGC3'
F3-R3	5'TTGGCTCTTGCATGTGGATA3'	5'CAACATGGAGGAGGAACTCG3'
F4-R4	5'CTGAACTTCCTGCTCCACCT3'	5'CTTGTGGTTTCCACATGCAC3'
F5-R5	5'AGCTCCCTTGTCTGAAGATCA3'	5'CACCATGCCTGACCTAAAGC3'
F6-R6	5'GCTTTTCC CACTTTCTCCT3'	5'CGACAAGGGAGCTAAAACCA3'