

Appendix Table 3. Micro-CT analysis of dentolalveolar tissues in *Aipl* cKO vs. WT controls. Mean values \pm standard deviation are shown for *Col1a1*- and *Prx1*-cKO mice and their respective WT controls (n=2-3 for each genotype at 24 wks), with statistically significantly different values ($p < 0.05$ by independent samples t-test) indicated by bold type.

Tissue	WT	<i>Col1a1</i> -cKO	WT	<i>Prx1</i> -cKO
Alveolar bone				
TV (μm^3)	290.2 \pm 25.2	240.6 \pm 10.7	289.4 \pm 87.1	278.3 \pm 15.0
BV (μm^3)	190.2 \pm 11.2	102.3 \pm 8.5	191.3 \pm 102.5	105.8 \pm 31.3
BV/TV (%)	65.71 \pm 2.64	42.62 \pm 4.42	63.66 \pm 16.28	37.78 \pm 9.22
TMD (mg HA/cm ³)	1129 \pm 9	1050 \pm 18	1105 \pm 96	1079 \pm 61
Crown dentin				
TV (μm^3)	351.1 \pm 37.3	351.7 \pm 15.6	364.3 \pm 3.4	334.2 \pm 16.9
BV (μm^3)	278.6 \pm 17.7	256.8 \pm 13.3	319.4 \pm 9.8	270.4 \pm 9.6
BV/TV (%)	79.60 \pm 3.79	73.09 \pm 4.34	87.66 \pm 1.87	80.92 \pm 1.22
TMD (mg HA/cm ³)	1310 \pm 9	1325 \pm 19	1312 \pm 12	1315 \pm 30
Root dentin				
TV (μm^3)	650.6 \pm 35.0	601.6 \pm 63.1	716.8 \pm 42.9	659.2 \pm 66.8
BV (μm^3)	540.5 \pm 34.0	394.4 \pm 68.3	624.8 \pm 36.0	560.2 \pm 71.1
BV/TV (%)	83.06 \pm 22.30	65.24 \pm 4.57	87.18 \pm 0.20	84.88 \pm 2.18
TMD (mg HA/cm ³)	1114 \pm 23	1033 \pm 15	1172 \pm 31	1144 \pm 25
Thickness (μm)	138 \pm 6	92 \pm 6	165 \pm 1	141 \pm 7
Enamel				
TV (μm^3)	196.6 \pm 23.9	192.5 \pm 13.4	198.6 \pm 10.5	184.1 \pm 14.0
BV (μm^3)	193.3 \pm 23.6	188.6 \pm 14.0	195.2 \pm 10.4	177.6 \pm 10.7
BV/TV (%)	98.31 \pm 0.21	97.98 \pm 0.44	98.27 \pm 0.04	96.48 \pm 1.53
TMD (mg HA/cm ³)	1911 \pm 17	1908 \pm 13	1932 \pm 37	1890 \pm 18.54

HA = hydroxyapatite

TV = Tissue volume

BV = Bone/dentin/enamel volume

BV/TV = Bone/dentin/enamel volume fraction

TMD = Tissue mineral density