

**Supplemental Table I. Summary of mandibular and maxillary micro-CT parameters (Mean  $\pm$ SEM)**

<b>Groups</b>	<b>BV</b> (mm <sup>3</sup> )	<b><i>p</i></b>	<b>BVF</b> (mm <sup>3</sup> )	<b><i>p</i></b>	<b>BMD</b> (mgHA/mm <sup>3</sup> )	<b><i>p</i></b>	<b>TMD</b> (mgHA/mm <sup>3</sup> )	<b><i>p</i></b>	<b>BMC</b> (mgHA)	<b><i>p</i></b>	<b>TMC</b> (mgHA)	<b><i>p</i></b>
<b>Male</b>												
<b>Mandibles</b>												
0401	0.09 $\pm$ 0.02	<b>0.008</b>	0.14 $\pm$ 0.03	<b>0.003</b>	225.2 $\pm$ 38.57	<b>0.0004</b>	948.2 $\pm$ 36.30	<b>0.004</b>	146.7 $\pm$ 28.18	<b>0.002</b>	96.31 $\pm$ 27.58	<b>0.005</b>
0402	0.17 $\pm$ 0.004		0.28 $\pm$ 0.009		405.5 $\pm$ 8.008		1075 $\pm$ 7.24		255.7 $\pm$ 6.38		190.6 $\pm$ 6.184	
<b>Female</b>												
<b>Mandibles</b>												
0401	0.18 $\pm$ 0.008	0.66	0.31 $\pm$ 0.01	0.51	425.2 $\pm$ 17.34	0.34	1002 $\pm$ 8.24	<b>0.0001</b>	258.1 $\pm$ 8.17	<b>0.02</b>	187.1 $\pm$ 9.39	0.06
0402	0.19 $\pm$ 0.005		0.30 $\pm$ 0.009		446.0 $\pm$ 12.39		1110 $\pm$ 13.89		282.2 $\pm$ 5.58		211.3 $\pm$ 7.61	
<b>Male</b>												
<b>Maxillae</b>												
0401	0.05 $\pm$ 0.02	0.21	0.09 $\pm$ 0.04	0.19	163.8 $\pm$ 50.15	0.15	923.2 $\pm$ 39.73	<b>0.0009</b>	82.10 $\pm$ 26.39	0.17	50.95 $\pm$ 21.92	0.17
0402	0.092 $\pm$ 0.02		0.18 $\pm$ 0.04		283.3 $\pm$ 60.84		1096 $\pm$ 10.77		139.3 $\pm$ 30.59		101.5 $\pm$ 27.64	
<b>Female</b>												
<b>Maxillae</b>												
0401	0.15 $\pm$ 0.007	0.67	0.32 $\pm$ 0.02	0.99	446.9 $\pm$ 31.77	0.77	1068 $\pm$ 18.19	<b>0.02</b>	208.6 $\pm$ 11.29	0.49	162.9 $\pm$ 11.40	0.45
0402	0.15 $\pm$ 0.01		0.32 $\pm$ 0.02		459.3 $\pm$ 27.14		1121 $\pm$ 8.88		221.5 $\pm$ 14.27		176.2 $\pm$ 12.79	

**Supplemental Table II. Linear CEJ-ABC distances (Mean  $\pm$ SEM)**

<b>Groups</b>	<b>0401</b>	<b>0402</b>	<b><i>p</i></b>
Male - Mandibles	0.57 $\pm$ 0.11	0.36 $\pm$ 0.03	0.08
Female - Mandibles	0.35 $\pm$ 0.03	0.29 $\pm$ 0.009	0.13
Male - Maxillae	0.59 $\pm$ 0.08	0.46 $\pm$ 0.08	0.31
Female - Maxillae	0.20 $\pm$ 0.01	0.26 $\pm$ 0.03	0.12

**Supplemental Table III. Tibial trabecular bone parameters (Mean ±SEM)**

<b>Groups</b>	<b>BV/TV</b>	<b><i>p</i></b>	<b>BS/BV</b>	<b><i>p</i></b>	<b>Tb.Th.</b>	<b><i>p</i></b>	<b>Tb.N.</b>	<b><i>p</i></b>	<b>Tb.Sp.</b>	<b><i>p</i></b>
<b>Males</b>										
0401	0.07±0.01	0.28	66.41±4.73	0.58	0.03±0.002	0.69	2.30±0.45	0.21	0.48±0.13	0.22
0402	0.09±0.01		63.92±1.13		0.03±0.000		3.03±0.30		0.31±0.03	
<b>Females</b>										
0401	0.06±0.008	0.59	62.69±2.21	0.23	0.03±0.001	0.22	1.97±0.21	0.33	0.50±0.06	0.35
0402	0.07±0.01		66.40±1.86		0.03±0.002		2.34±0.29		0.42±0.04	

BV/TV, bone volume density; BS/BV, specific bone surface; Tb.Th, trabecular thickness; Tb.N, trabecular number; Tb.Sp, trabecular spacing