

**SUPPLEMENTAL TABLE 1: Effects of Aln, DMAb, Aln plus PTH, or DMAb plus PTH on the biomechanical properties of the femoral cortical midshaft in huRANKL mice**

	Sham (6)	OVX					
		No PTH			PTH		
		Veh (6)	Aln (6)	DMAb (8)	Veh (7)	Aln (7)	DMAb (8)
Maximal load (N)	24.9 ± 0.7	22.7 ± 1.3	23.3 ± 0.9	22.7 ± 2.3	26.6 ± 1.8	27.7 ± 1.8 <sup>d</sup>	25.9 ± 1.4
Stiffness (N/mm)	86.3 ± 3.1	72.9 ± 7.3	72.0 ± 6.8	78.6 ± 7.2	93.7 ± 8.1 <sup>d</sup>	90.0 ± 2.7 <sup>d</sup>	88.6 ± 3.9
Moment of inertia, I <sub>x</sub> (mm <sup>4</sup> )	0.157 ± 0.006	0.127 ± 0.005 <sup>a</sup>	0.162 ± 0.010 <sup>b</sup>	0.154 ± 0.007 <sup>b</sup>	0.155 ± 0.007 <sup>d</sup>	0.164 ± 0.009	0.159 ± 0.005
Ultimate stress (MPa)	252.02 ± 7.64	274.12 ± 16.27	234.79 ± 18.19	237.79 ± 17.48	276.41 ± 13.21	275.44 ± 17.55	264.07 ± 18.47
Young's modulus, E (MPa)	11131 ± 369	11540 ± 1053	9250 ± 614	10457 ± 1191	12316 ± 1055	11266 ± 611	11348 ± 657

In parenthesis, number of mice per group

a,  $p < 0.05$  compared with sham

b,  $p < 0.05$  compared with OVX Veh

d,  $p < 0.05$  compared with non-PTH in the same pre-treatment group