

**Supplemental Table 1. Experimental endpoints in female mice that did not differ by those in male mice.<sup>1</sup>**

	Sham	CIA	ODE	CIA +ODE
Arthritis score: Week 2	0.0±0.0	0.2±0.2	0.0±0.0	0.1±0.1
Bone Volume <sup>2</sup>	1.00 ± 0.04	0.72 ± 0.07*	1.06 ± 0.11	0.88 ± 0.09
Specific bone surface area <sup>2</sup>	1.00 ± 0.02	1.07 ± 0.01*	0.98 ± 0.02	1.04 ± 0.03
Trabecular thickness <sup>2</sup>	1.00 ± 0.02	0.92 ± 0.02*	1.01 ± 0.02	0.96 ± 0.02
Trabecular separation <sup>2</sup>	1.00 ± 0.04	1.23 ± 0.08*	0.97 ± 0.04	1.13 ± 0.05
Trabecular pattern factor <sup>2</sup>	1.00 ± 0.06	1.12 ± 0.02	1.01 ± 0.09	1.07 ± 0.09
BALF Total cells (x10 <sup>4</sup> )	5.3±0.7	4.0±0.9	34.4±8.1**	27.8±9.4**
BALF Neutrophils (x10 <sup>4</sup> )	1.1±0.4	0.6±0.1	27.9±7.2**	20.1±9.6**
BALF Macrophages (x10 <sup>4</sup> )	4.0±0.5	3.3±0.8	6.2±1.0	6.3±1.4
BALF Lymphocytes(x10 <sup>4</sup> )	0.09±0.02	0.06±0.04	0.3±0.1	0.3±0.1
Lung cellular aggregates	0.0±0.0	0.8±0.5	4.3±0.9**,^	2.8±1.0*
Lung alveolar score	0.0±0.0	0.0±0.0	1.0±0.0**,^^	1.0±0.3**,^^
Serum Pentraxin-2 (µg/ml)	11.2±1.5	40.8±16.3*	11.7±1.5	41.9±6.2**

<sup>1</sup>Statistical difference vs. sham denoted (\*p<0.05, \*\*p<0.01, \*\*\*p<0.001); between ODE and CIA+ODE denoted (##p<0.01 and ### p<0.001); vs. CIA denoted (^p<0.05 and ^^p<0.01). N=5 female mice/group. <sup>2</sup>Data represent the difference in proximal tibia induced by treatments divided by sham.