



**Supplemental Figure 1.** Male KO mice did not display a significant bone phenotype at 22wks. Male KO and WT mice (16wks) were administered daily injections of PTH (50 $\mu$ g/kg, SC) or vehicle (0.9% saline) for 6wks and sacrificed at age 22wks. Trabecular BV/TV analysis of proximal tibia via  $\mu$ CT revealed male KO mice did not display a statistically significant baseline phenotype (KO Veh -10% BV/TV compared to WT Veh,  $p=0.26$ ) but had an augmented response to PTH compared with WT controls.  $n=5-7$ /group,  $*p<0.05$ , data are mean  $\pm$  SEM.