Supplemental Figure 1: Micro-computed tomography (μCT) analysis of trabecular bone mass in Hp1bp3−/− mice. Femur analyses used 8-week-old Hp1bp3+/+ (black bars) and Hp1bp3−/− (gray bars) female and male mice (n=6 each group). Shown are analyses covering 3 mm of the distal femoral trabecular bone beginning 0.6 mm above growth plate. Tb.Th, trabecular thickness; Tb.N, trabecular number; Conn.D, connectivity density. Proximal and distal BV/TV represent the proximal half and the distal half (1.5 mm each) of the analyzed volume, respectively. Data are mean ± SD. *P<0.05, **P<0.01, ***P<0.001 compared with wild-type mice.

Supplemental Figure 2: Circulating levels of IGF-1 binding proteins 5/6/7 in Hp1bp3−/− mice. Sera ELISA measurements were taken at 3 and 8 weeks (A-C and D-F, respectively) for each sex and genotype (n=8 for each group). Data are mean ± SD. *P<0.05 compared with wild-type mice.