

Supplementary Figure 1.

- (A) Body weight (g) at days 0, 7 and 14 for wild type (WT) and Sost-/- mice from the unloading study.
- (B) Percent body weight change from day 0 for WT and Sost-/- mice, and percent BMD (DXA) change from day 0 for control and unloaded WT and Sost-/- tibiae.
- (C) Body weight (g) at days 0, 7 and 14 for WT and Sost-/- mice from the strain matched (1200µe) loading study.
- (D) Percent body weight change from day 0 for WT and Sost-/- mice, and percent BMD (DXA) change from day 0 for control and strain-matched (1200-e) loaded WT and Sost-/- tibiae.