

**SUPPLEMENTARY FIG. S4.** Treatment with SAHA has no effect on bone mass, mineralization, or strength in  $NCoR1^{AID/AID}$  or  $Thra1^{PV/+}NCoR1^{AID/AID}$  mice—additional cortical micro-CT analyses. Graphs showing Tt.Ar, Ct.Ar, Ct.Ar, Ct.Ar/Tt.Ar, Ma.Ar, Ps.Pm, and Ec.Pm from male WT,  $NCoR1^{\Delta ID/\Delta ID}$  SAHA-treated  $NCoR1^{\Delta ID/\Delta ID}$  ( $NCoR1^{\Delta ID/\Delta ID}$  SAHA),  $Thra1^{PV/+}NCoR1^{\Delta ID/\Delta ID}$ , and SAHA-treated  $Thra1^{PV/+}NCoR1^{\Delta ID/\Delta ID}$  ( $Thra1^{PV/+}NCoR1^{\Delta ID/\Delta ID}$  SAHA) mice at 14 weeks of age (n=3 per genotype). Data are shown as the mean  $\pm$  SEM.