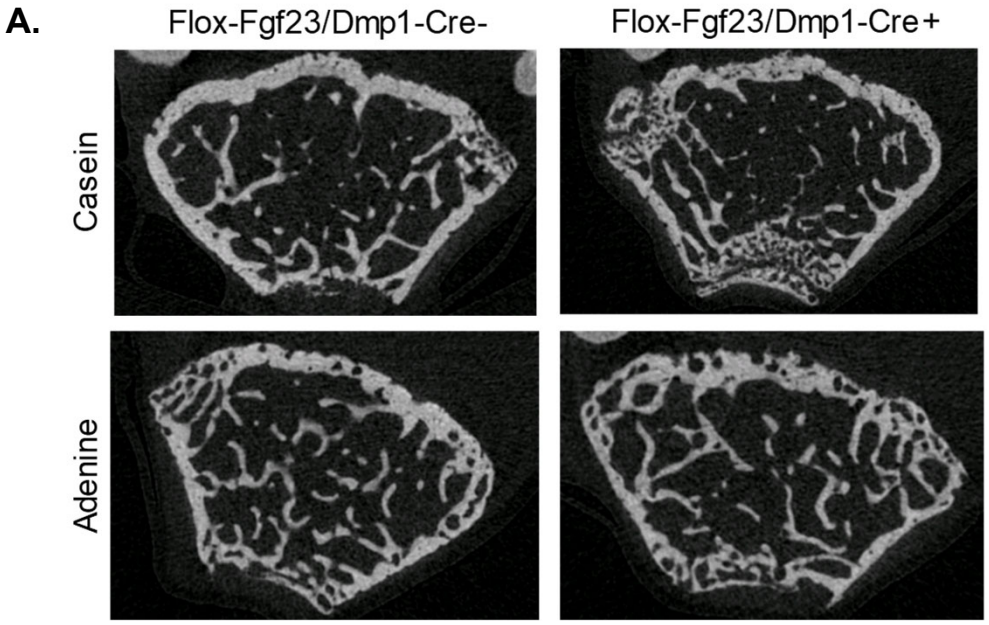
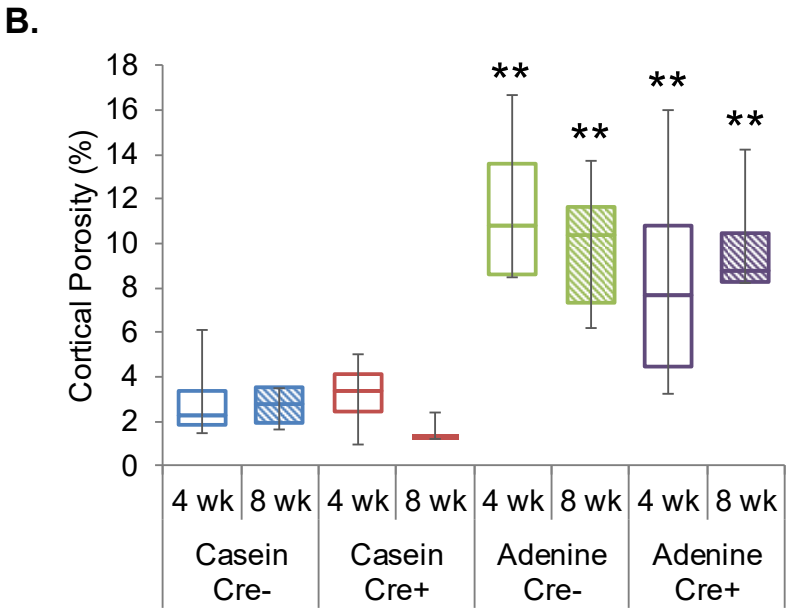
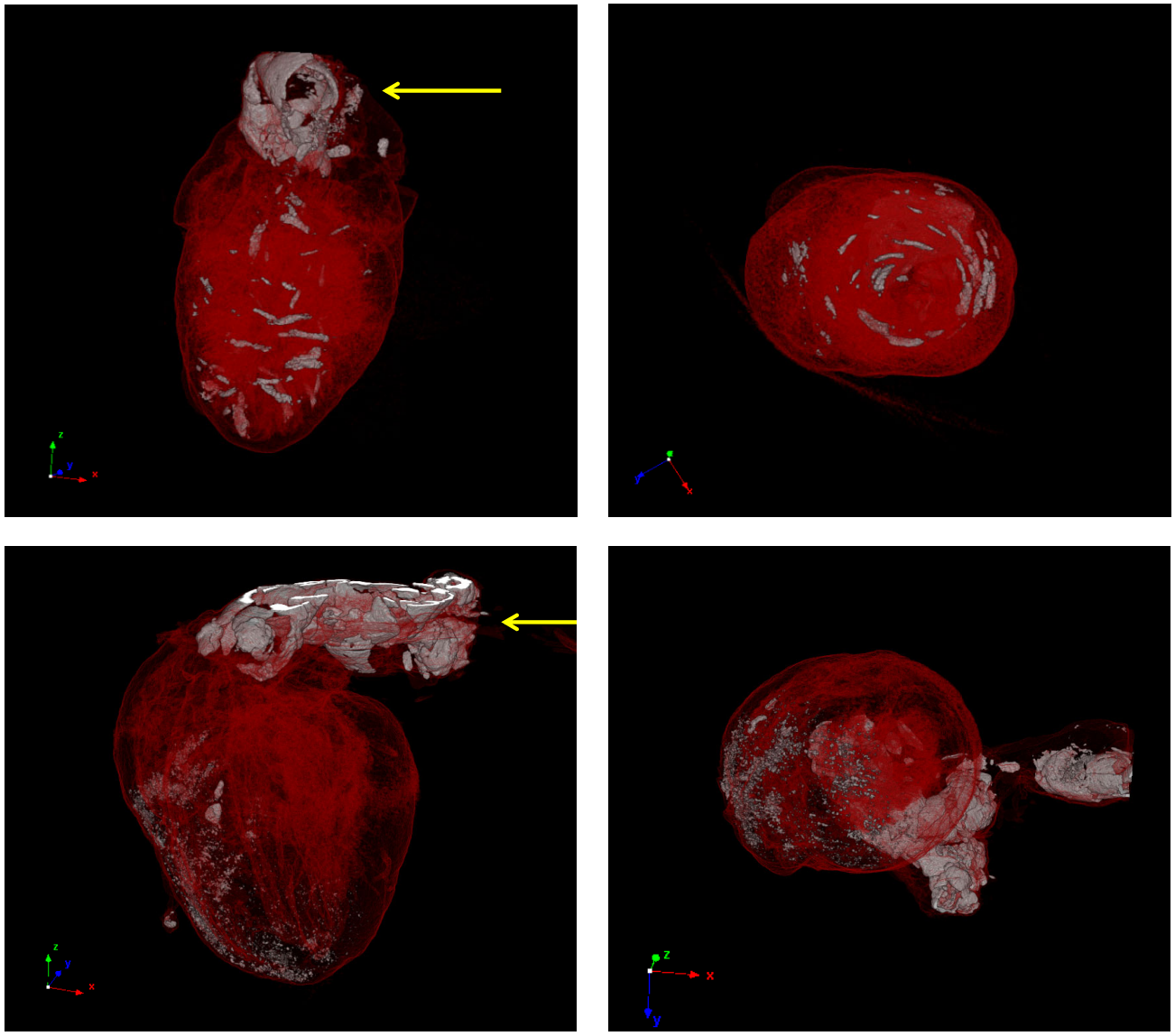
Supplementary Figure 1





Supplementary Figure 2



Supplementary Figure 1. Relationships between reduced FGF23 and bone. (A) As chronically elevated PTH levels are known to affect osteoclast activity, distal femora underwent micro-computed tomography analysis. The images showed higher porosity in the mice fed adenine diet. (B) Quantification demonstrated that cortical porosity was significantly higher in adenine fed mice even after 4 weeks of diet administration. There were no differences observed between genotypes. (n=4-6 per group; *p<0.05 and **p<0.01 vs casein diet same genotype; ǂp<0.05 and ǂǂp<0.01 vs Cre- on same diet).

Supplementary Figure 2. Left ventricle heart calcification occurs with clamped FGF23. Lateral (left) and inferior (right) μCT images of two representative adenine-fed flox-Fgf23/DMP1-Cre+ hearts highlight the calcification of the aorta (yellow arrow) as well as variability of calcification interspersed within the left ventricle (top heart images) or right ventricle (bottom images).