



Supp. Fig. 1 Calibration curve for carbonate in Raman analysis. (top) Calibration curve constructed from measurement of HAP standards with known carbonate substitution, where the ratio of the areas of the 1070 cm⁻¹ and 960 cm⁻¹ peaks was measured and used to estimate carbonate substitution in each calcification. (bottom) location of carbonate HAP in each calcification with mean carbonate weight. Scale bars = 150 μm.