

Supplementary Figure 1. Threshold testing for two different scales of AlK $\alpha$  X ray maps indicate that the difference small changes in image threshold can have an influence on calculated crystallinities (left column = 100  $\mu$ m²; right column = 500  $\mu$ m²). Threshold value and calculated proportion of crystals (black) are indicated for each image. Original gray scale images are shown in panels a and b.