



Supplementary figure S1. Image analysis revealing the area (μm^2) of the micropores, vermicular quartz, myrmekitic plagioclase, and myrmekitic K-feldspar in the myrmekite, as determined by image processing software using samples MIU2-34 M11 as examples. (A) The myrmekite area was clipped from the backscattered electron BSE image using the image processing software Photoshop®. (B to E) The areas of myrmekite, vermicular quartz, myrmekitic K-feldspar, and micropores were extracted through binary image processing and counting of the black pixels.