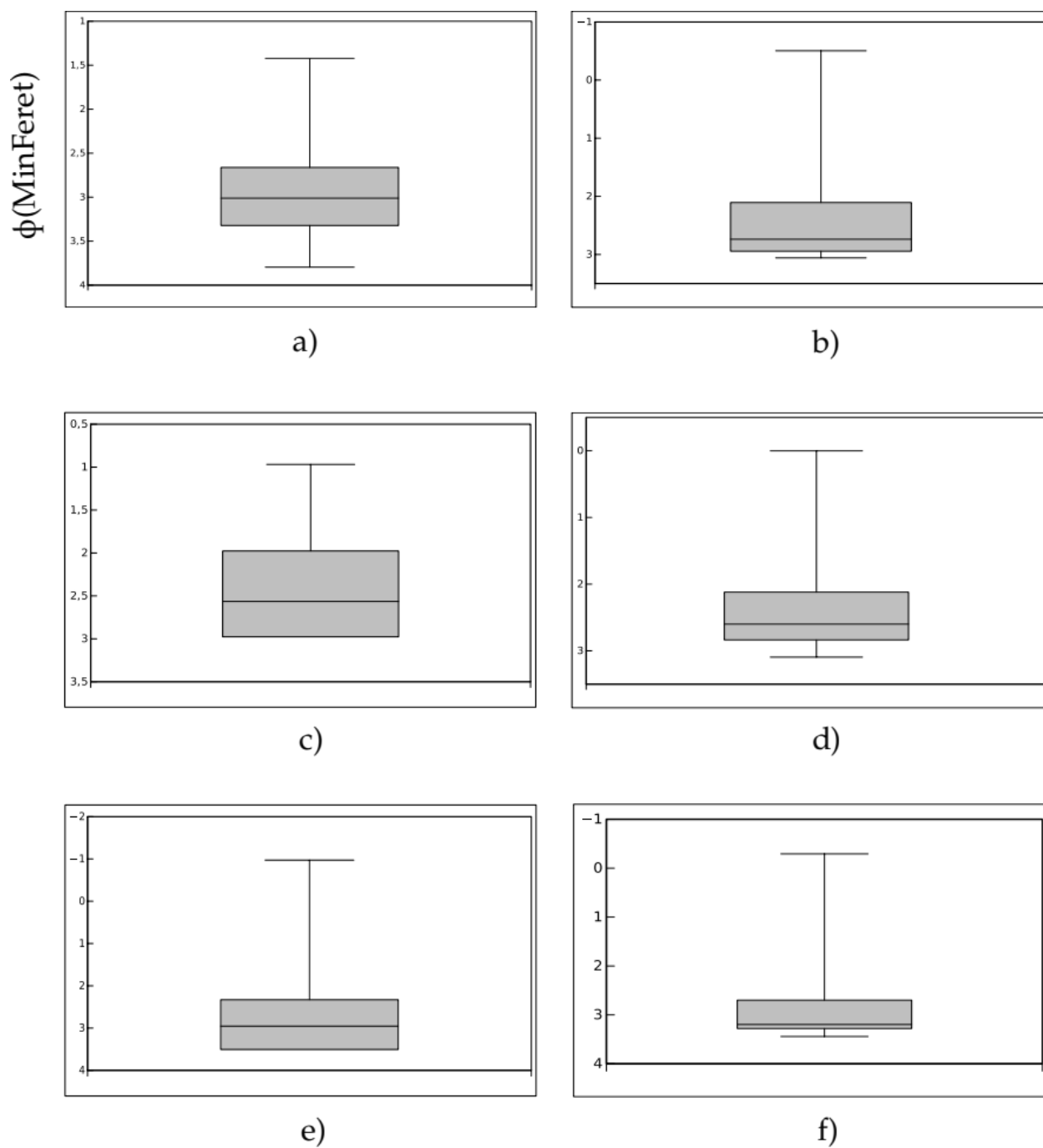
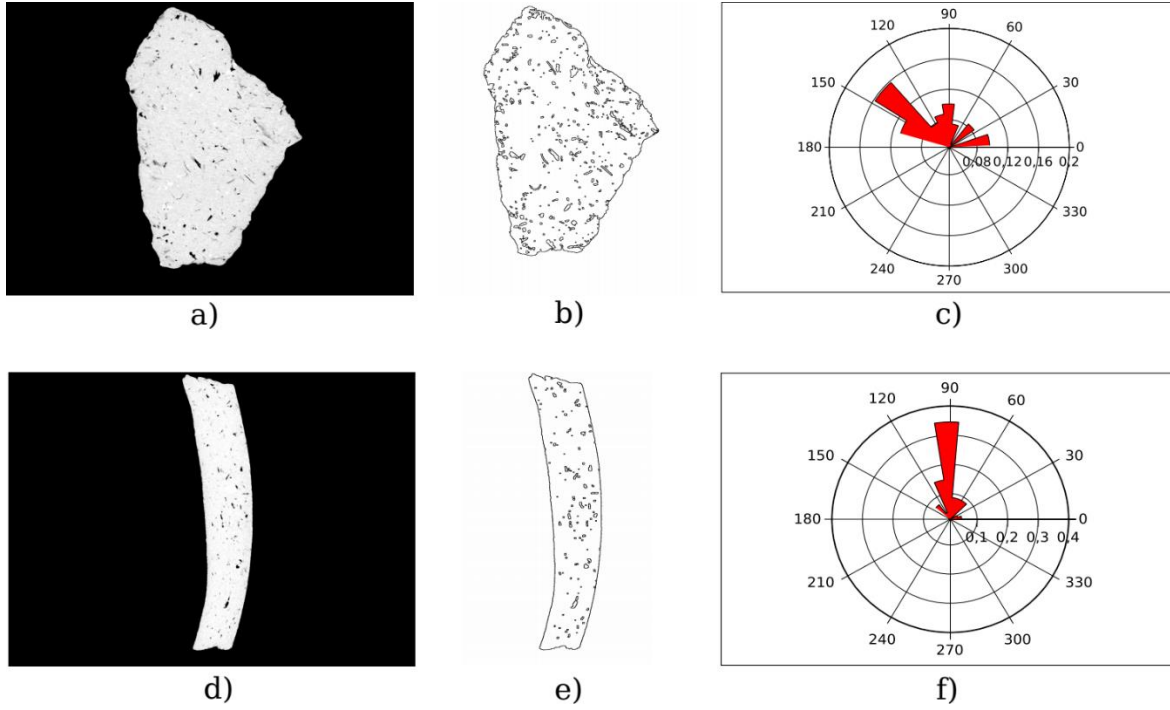


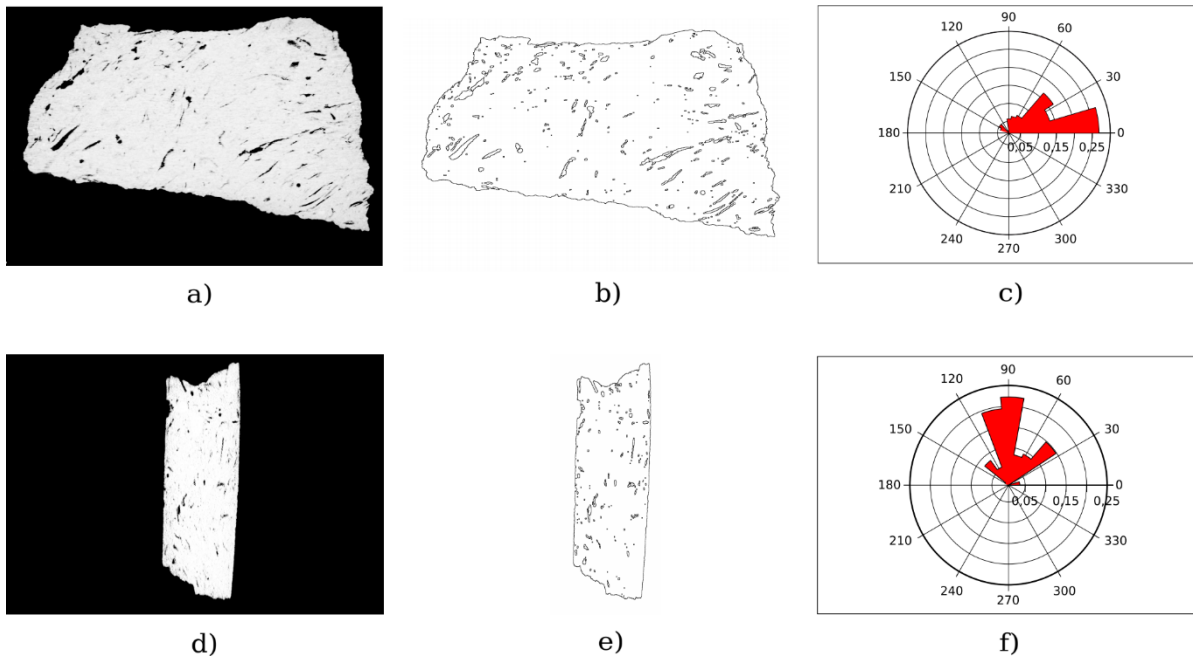
**Figure S1.** Bar plots emphasizing the distributions of  $\phi(\text{MinFeret})$  of particles segmented from frontal cross sections for the following samples: a) P0006; b) P0023; c) P0046; d) P0073; e) P0149e and f) P0173a.



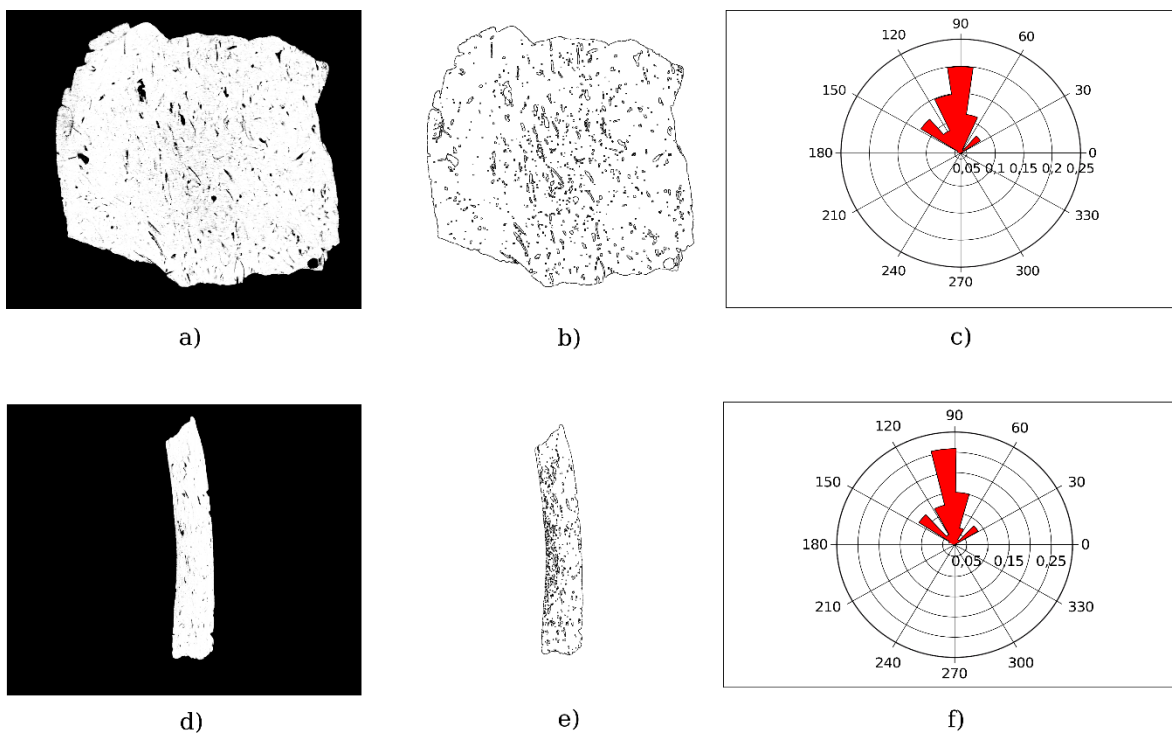
**Figure S2.** Bar plots showing the distributions of  $\phi(\text{MinFeret})$  values for the particles segmented on side-view images. The results displayed are for the following samples: a) P0006; b) P0023; c) P0046; d) P0073; e) P0149e and f) P0173a.



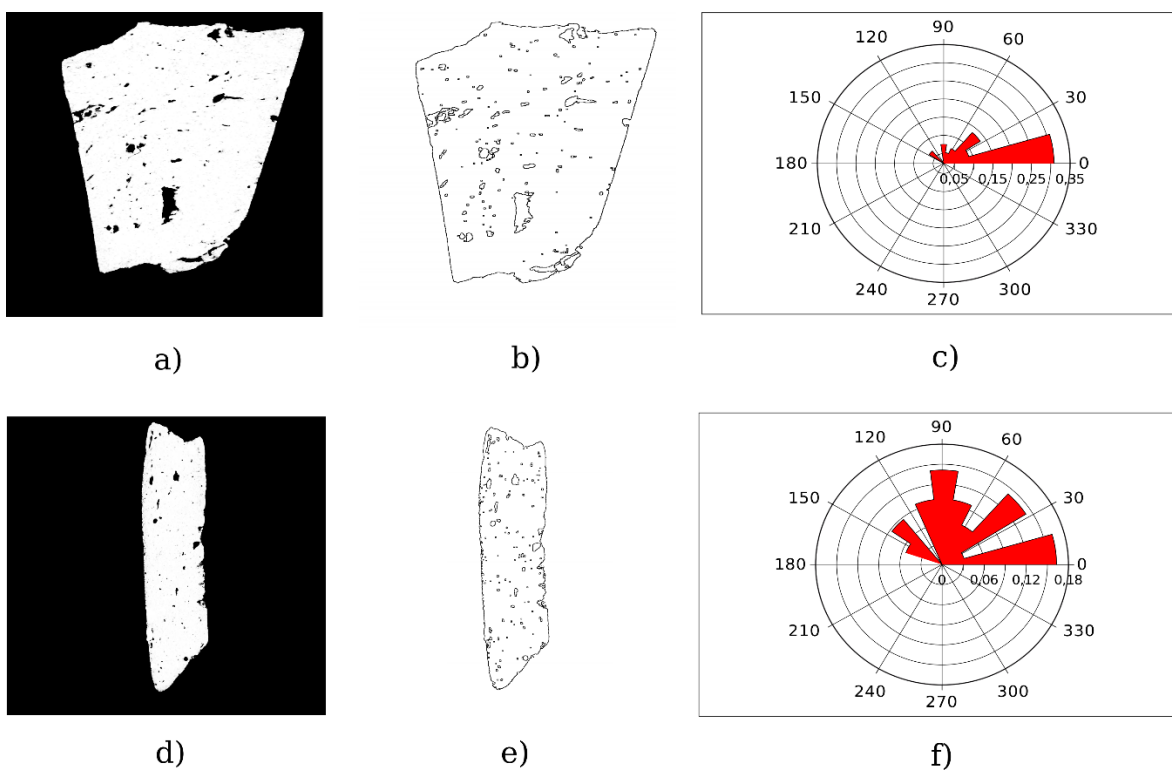
**Figure S3.** Up: segmented (a) and convolved (b) images of the P0023 sample frontal cross section; c) rose diagram showing the preferred orientations of the voids. Down: segmented (d) and convolved (e) images of the analyzed side-view tomographic section; f) rose diagram showing the preferred orientations.



**Figure S4.** Up: segmented (a) and convolved (b) images of the P0040 sample; c) rose diagram showing the preferred orientations of the voids. Down: segmented (d) and convolved (e) images of the analyzed side-view tomographic section; f) rose diagram showing the preferred orientations.



**Figure S5.** Up: segmented (a) and convolved (b) images of the P0147 sample; c) rose diagram showing the preferred orientations of the voids. Down: segmented (d) and convolved (e) images of the analyzed side-view tomographic section; f) rose diagram showing the preferred orientations.



**Figure S6.** Up: segmented (a) and convolved (b) images of the P0149e sample; c) rose diagram showing the preferred orientations of the voids. Down: segmented (d) and convolved (e) images of the analyzed side-view tomographic section; f) rose diagram showing the preferred orientations.