

Direct observation of nucleation in the bulk of an opaque sample

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Supplementary Figure S1:

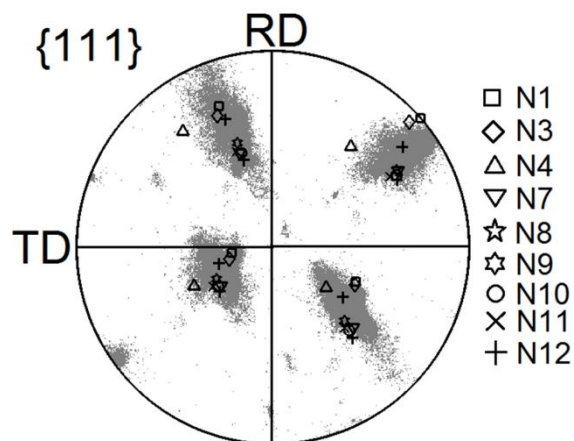


Figure S1: $\{111\}$ pole figure showing the orientation relationship between the 9 nuclei and the whole of the deformed matrix measured before annealing. The grey cloud represents the orientation distribution of the whole deformed matrix and the other markers indicate the nuclei orientations, labelled as shown in the legend.

Supplementary Figure S2:

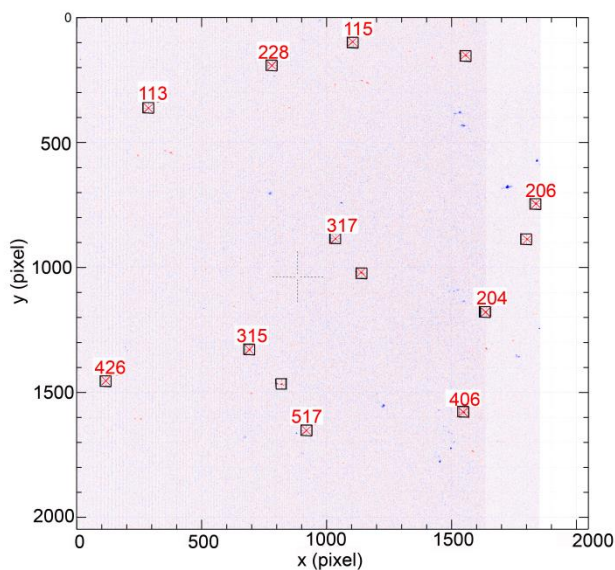


Figure S2: An example depth-resolved Laue diffraction pattern from a voxel-sized deformed volume $75 \mu\text{m}$ below the sample surface. The detected diffraction spots are marked by squares. Spots that are indexed are indicated by the hkl indexes of the identified diffracting crystallographic planes.