

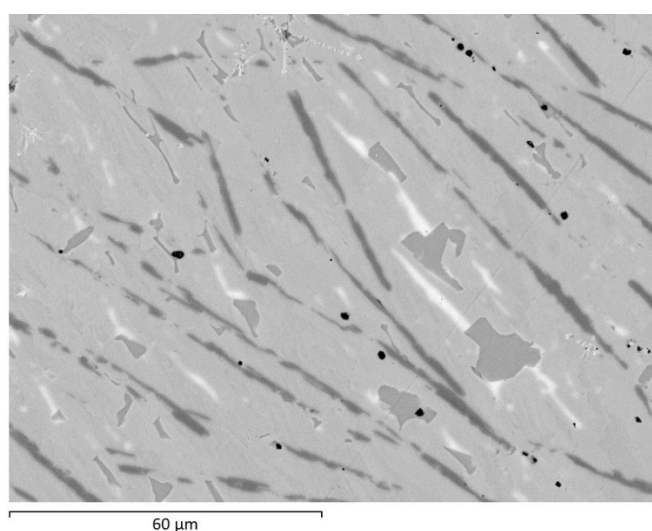
## Supplementary materials

### Extending interstitial tetrelides into carbides: synthesis, crystal, and electronic structure of $\text{RE}_2\text{Co}_2\text{AlC}$ ( $\text{RE}=\text{La}, \text{Pr}, \text{Nd}$ )

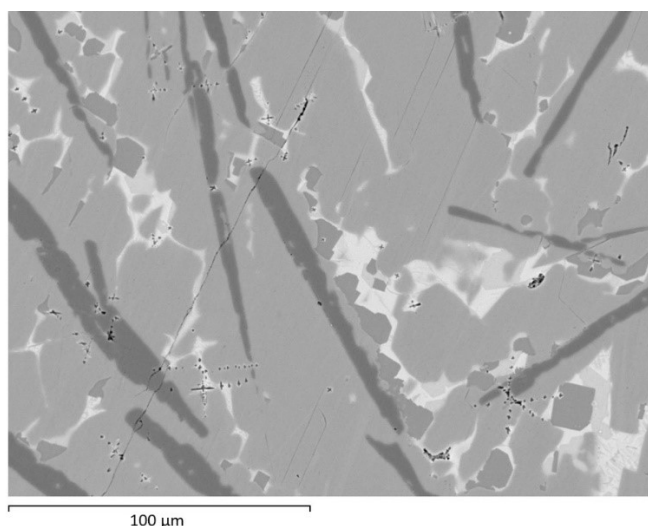
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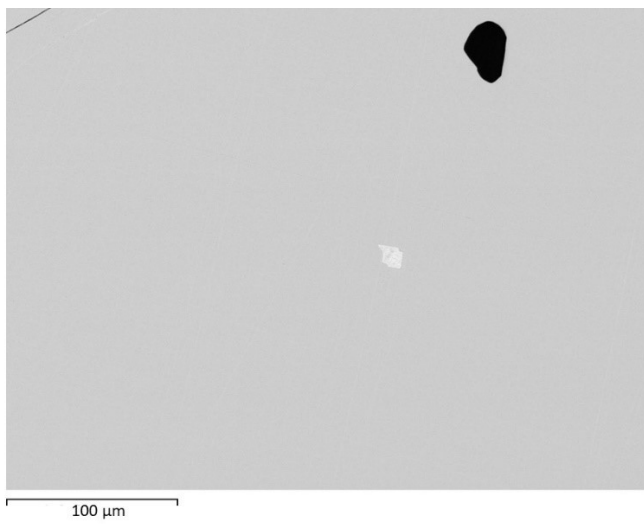
**Figure S1.** Micrographs of the bulk samples: a) as-cast  $\text{Pr}_2\text{Co}_2\text{Al}$ , b) as-cast  $\text{Nd}_2\text{Co}_2\text{Al}$ , c) heat-treated  $\text{Pr}_2\text{Co}_2\text{AlC}$ , d) heat-treated  $\text{Nd}_2\text{Co}_2\text{AlC}$



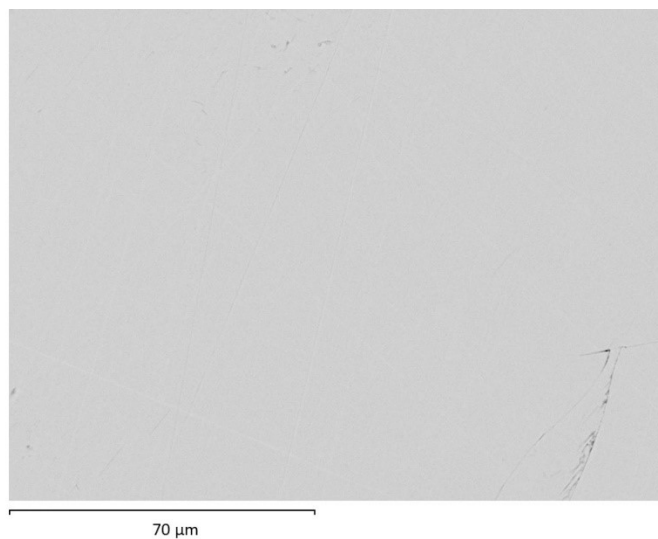
***a***



***b***



*c*



*d*