## **Supplementary Materials**

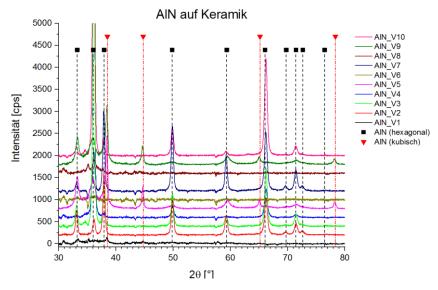
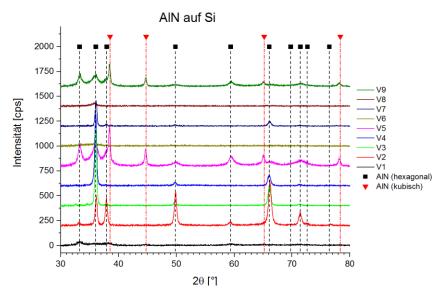
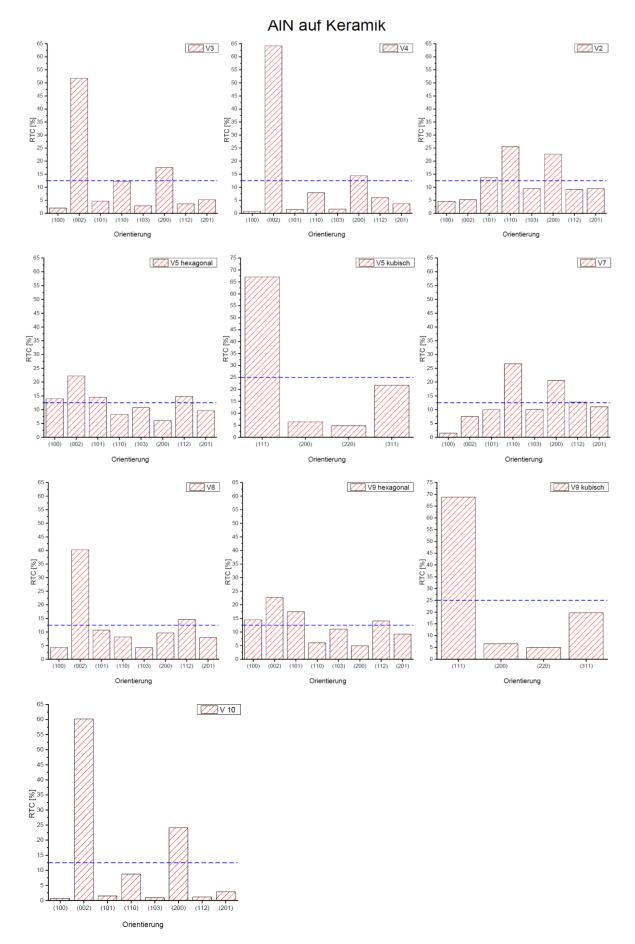


Figure S1. XRD patterns of all samples, sputtered on ceramic.



**Figure S2.** XRD patterns of all samples, sputtered on silicon.



**Figure S3.** RTC calculations for all experiments, samples prepared on ceramics.

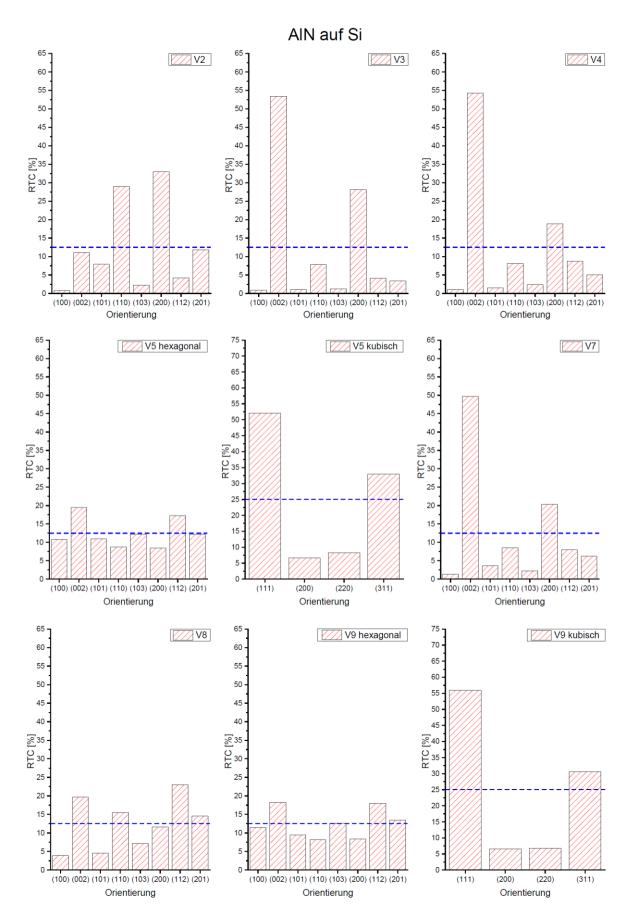


Figure S4. RTC calculations for all experiments, samples prepared on silicon.