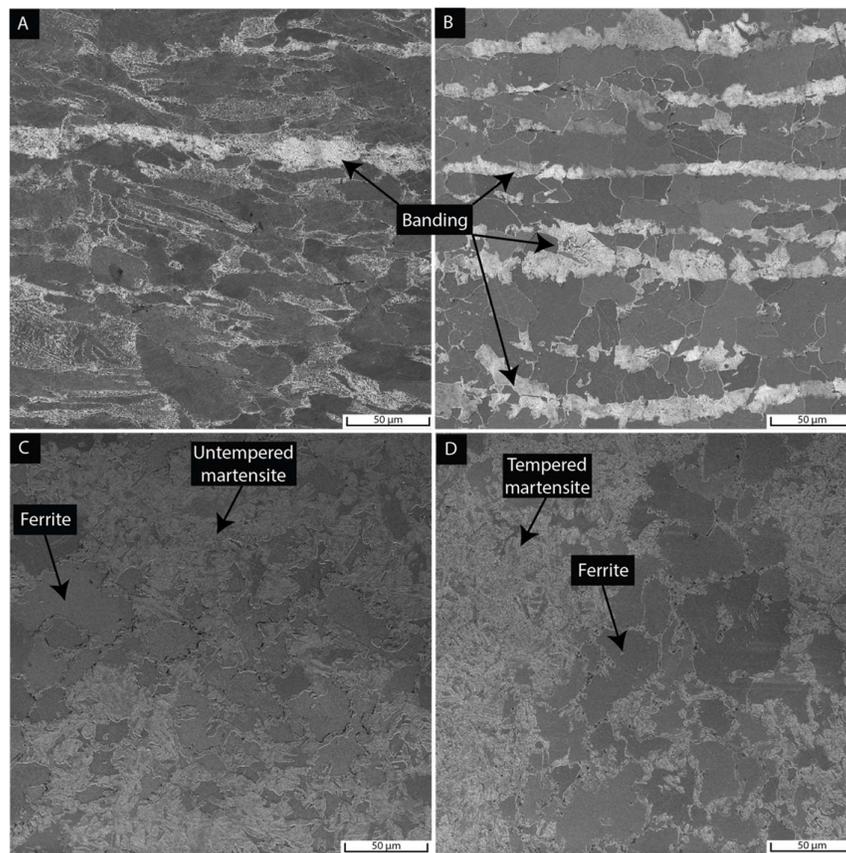
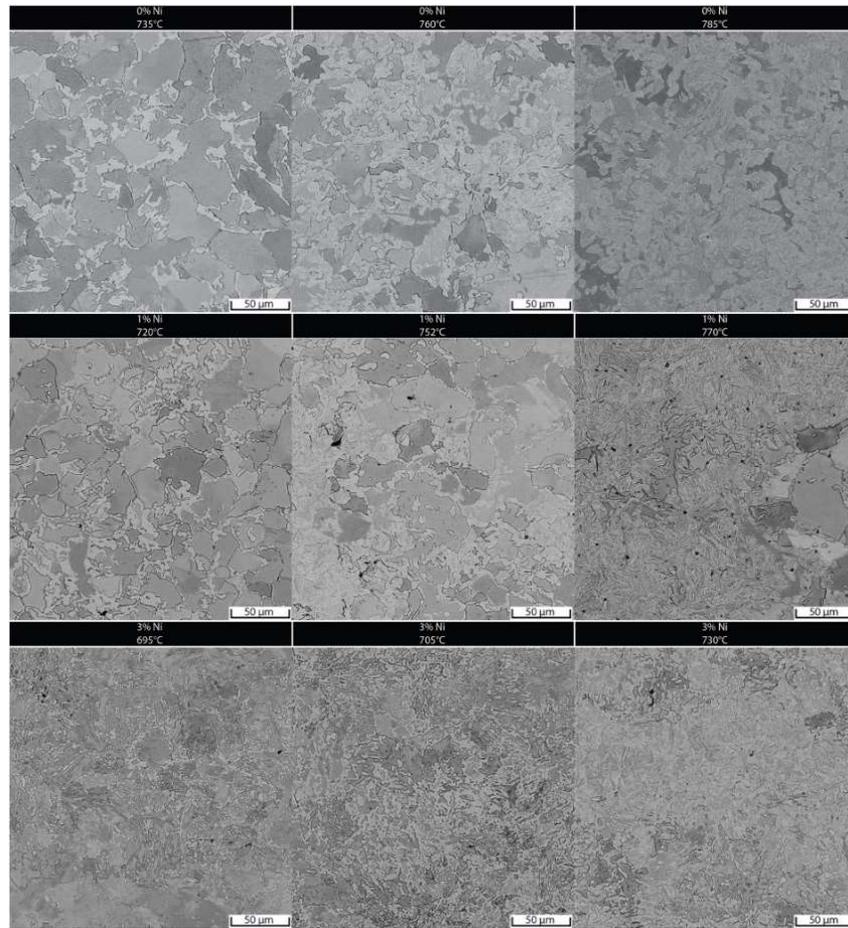


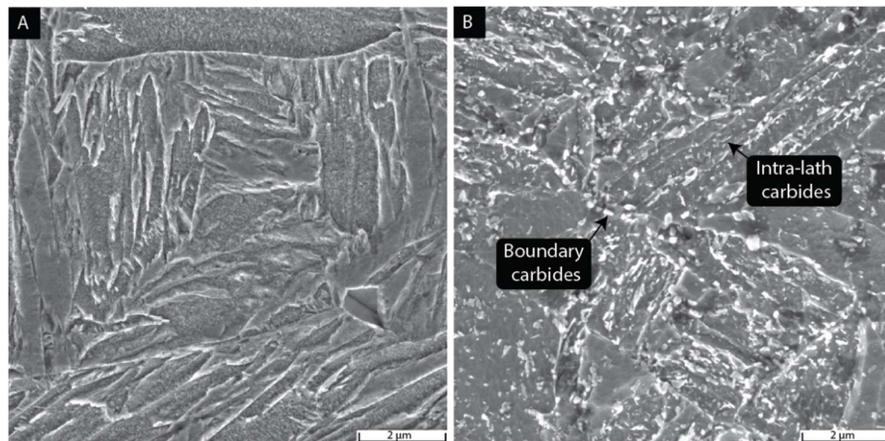
Supplementary Materials



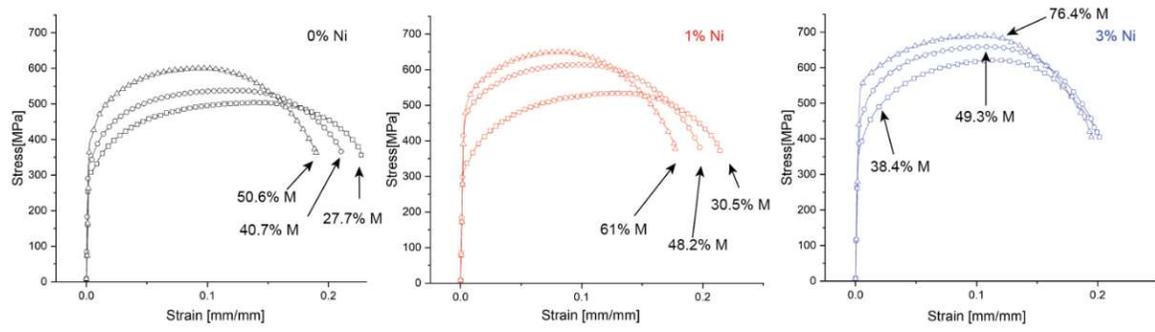
Supplementary Figure S1. SEM images of the heat-treated samples at different heat treatment stages for sample 1-wt% Ni DP_70%. Micrographs represent the (A) As-received, (B) Annealed, (C) As-quenched, and (D) Tempered conditions.



Supplementary Figure S2. SEM images of samples with varying Ni content and intercritical annealing temperatures. Increasing martensite content with the increasing temperature.



Supplementary Figure S3. SEM images of 1-wt% Ni DP_70% sample in the as-quenched condition (A) and after temper (B). Untempered martensite displays a needle and rough appearance while ferrite is present as a smooth area. Tempered microstructure displayed carbides at boundaries and within martensitic laths.



Supplementary Figure S4. Engineering tensile curves for varying Ni and martensite contents.