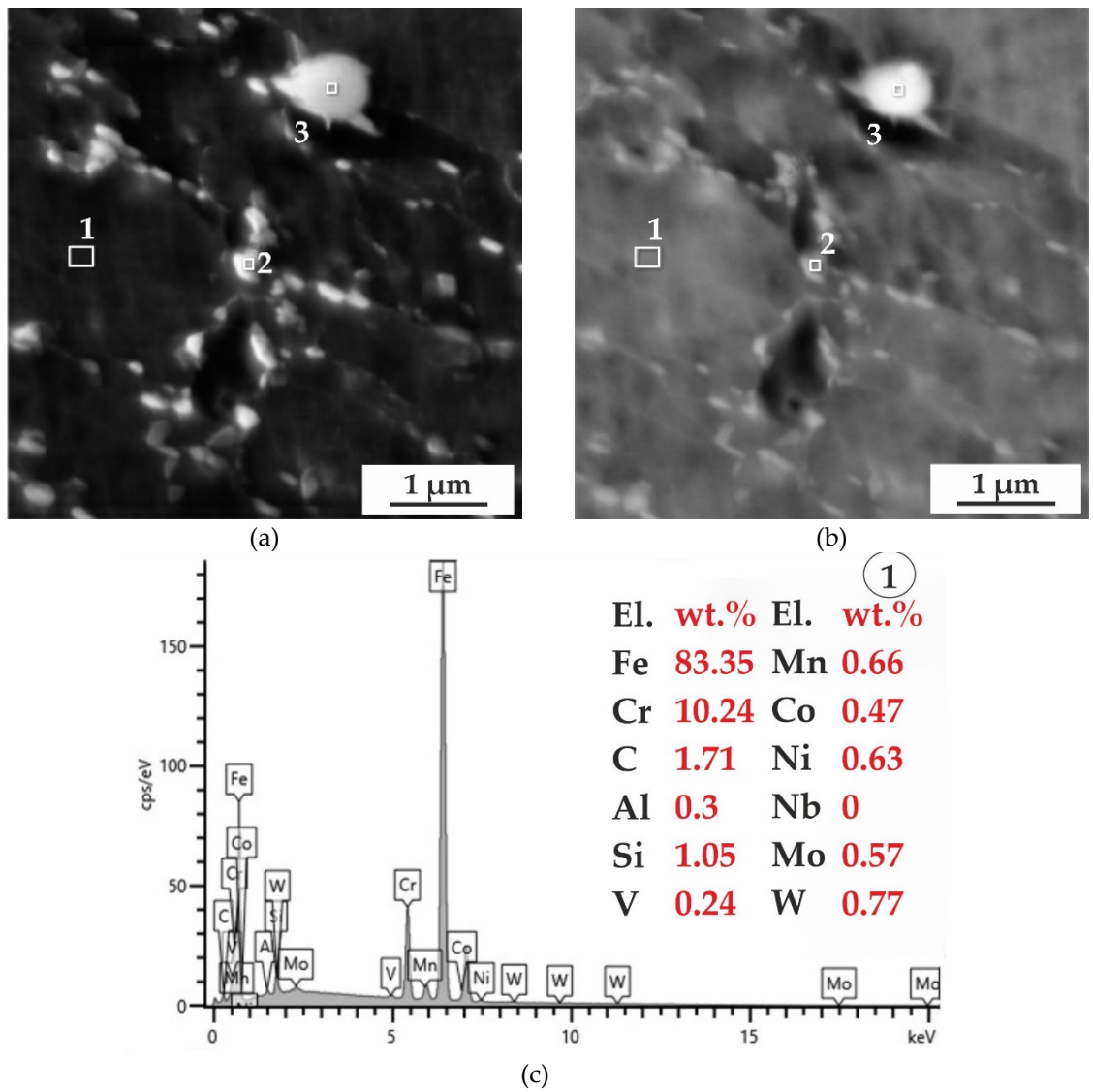


Figure S1. The scheme of sample cutting for microstructure observation and tension tests.



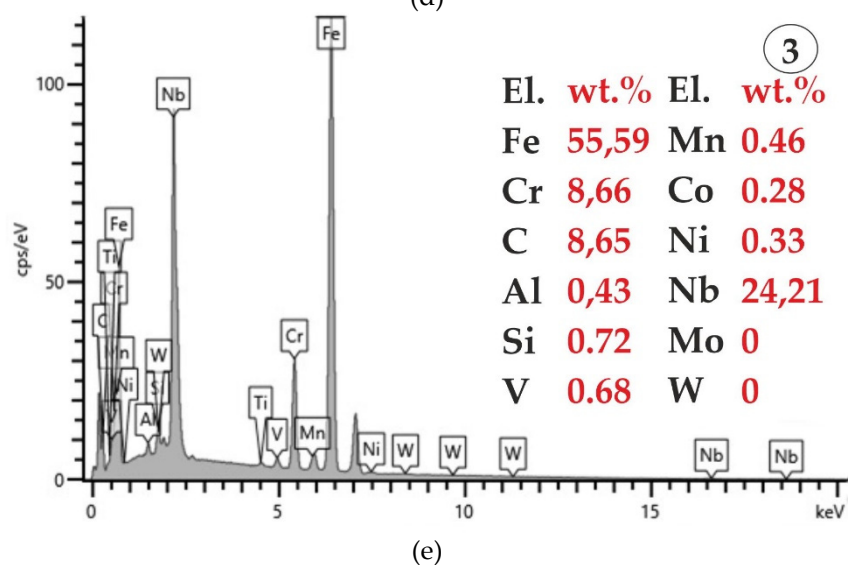
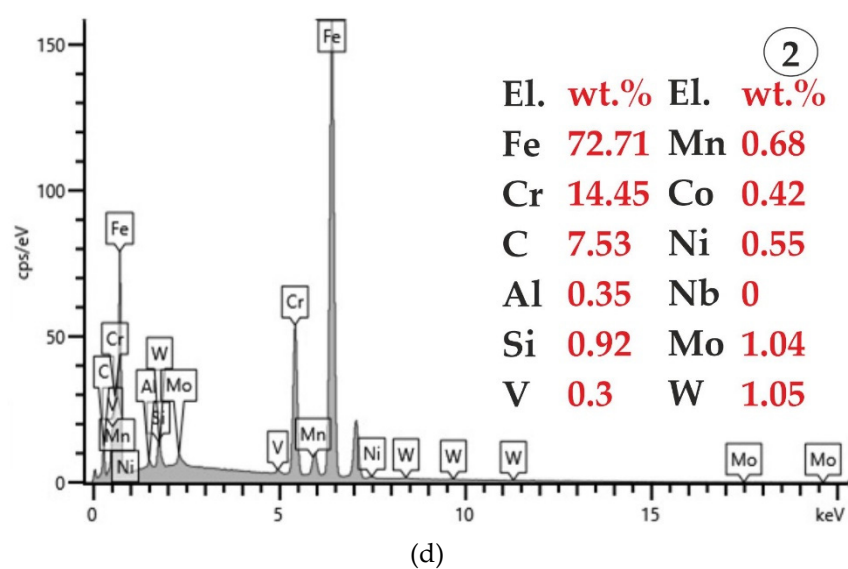


Figure S2. SEM images of etched steel microstructure. SE image (a); BSE image (b); local elemental analysis in point 1-3 respectively (c-e).

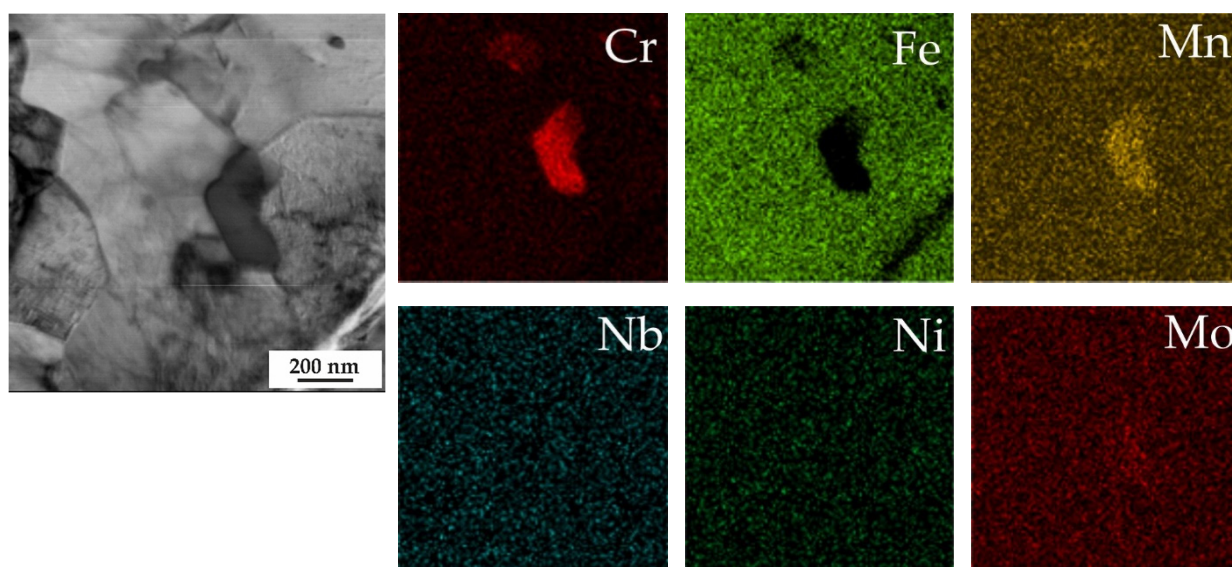


Figure S3. STEM image and elemental maps.