Description of Additional Supplementary Files

Supplementary Movie 1 | Evolution of ferroelastic domain structures.

Supplementary Movie 2 | Mechanically induced crystal twinning.

Supplementary Movie 3 | Crystal morphology evolution during martensitic phase transitions.

Supplementary Movie 4 | Crystal morphology evolution during martensitic phase transitions.

Supplementary Movie 5 | Phase boundary movement.

Supplementary Movie 6 | Demonstration of the temperature-controlled mechanical switch.