

Supplemental Materials

Well-defined polymorph transformation sequence and novel tetragonal twin-domain patterns in the morphotropic phase boundary of Dy-modified $\text{BiFeO}_3\text{-PbTiO}_3$ single crystal

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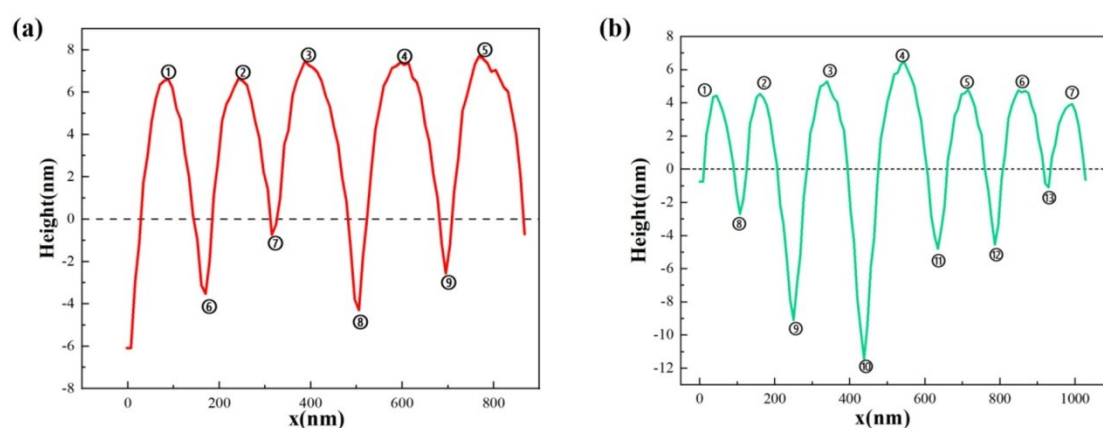


FIG. S1. the Cross-sectional profiles of morphology along the selected dashed lines with an arrow

“1” (a) and an arrow “2” (b) in Figure 5a.

Supplement TABLE S1. The calculated values of θ_1/θ_2 for line 1

No.	1	2	3	4	5	Mean
Angle $\theta_1/^\circ$	5.78	4.92	3.30	3.92	3.41	4.27
No.	6	7	8	9		Mean
Angle $\theta_2/^\circ$	12.05	9.19	14.53	9.60		11.34

Supplement TABLE S2. The calculated values of θ_1/θ_2 for line 2

No.	1	2	3	4	5	6	7	Mean
Angle $\theta_1/^\circ$	6.69	4.03	4.99	3.78	2.59	6.08	3.58	4.53
No.	8	9	10	11	12	13		Mean
Angle $\theta_2/^\circ$	10.40	13.35	14.69	7.51	8.67	11.52		11.02