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**Domain communication in *Thermotoga maritima* Arginine Binding Protein  
unraveled through protein dissection**

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**Abbreviations**

TmArgBP, wild-type arginine binding protein isolated from *Thermotoga maritima*; TmArgBP<sup>20-233</sup>, residues 20-233 of TmArgBP; D1, domain 1 of TmArgBP; D2, domain 2 of TmArgBP; SBP, substrate binding protein; RMSD, root mean square deviation; RMSF, root mean square fluctuation; PDB; Protein Data Bank; CD, circular dichroism; DSC, Differential scanning calorimetry; ITC, isothermal titration calorimetry; PBS, phosphate buffer saline.

**Keywords:** Domain-domain communication, Diagnostic tool, Protein dissection, Biosensor, Protein structure-stability, Differential scanning calorimetry.

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