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Supporting information for article:

A solution-free crystal-mounting platform for native-SAD

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Table S1 Crystallization condition with cryoprotectant information used for samples

Sample name	Crystallization condition with cryoprotectant
<i>DusC</i>	0.1 M Tris (pH 7.9), 0.2 M sodium acetate, 12% PEG 4000, 20% (v/v) glycerol
<i>ProteinX</i>	100 mM sodium citrate buffer (pH 5.5), 200 mM ammonium citrate tribasic (pH 6.8), 15% polyethylene glycol monomethyl ether 2000, 20% (v/v) glycerol.
<i>EF2-Domain I-II</i>	10% PEG1000 100mM MES (pH6.0), 5% (v/v) glycerol
<i>TtuA</i>	50 mM Hepes-KOH (pH 7.6), 200 mM, ammonium sulfate, 50 mM Ammonium Acetate, 5 mM MgCl ₂ , 0.1% Triton X-100, and 10% (v/v) glycerol
<i>TtuA-TtuB</i>	0.1 M HEPES (pH 7.6), 6%(w/v) PEG 8000, 4%(w/v) ethylene glycol
<i>SmDG</i>	100 mM sodium 4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid (pH 7.4), 200 mM calcium chloride, 18% (w/v) PEG 6000, 5 mM a-GF and 25% (v/v) glycerol
<i>EHEP</i>	20 mM sodium acetate buffer (pH 6.0), 100 mM NaCl, 20% glycerol
<i>GatCAB</i>	50 mM MES-Na (pH 6.4), 25% (w/v) PEG 600, 5 mM MgCl ₂ , 3% (v/v) MPD and 10% (v/v) glycerol

Movie S1 The movie shows how AFERO works. A loop is transported into No.3 well in the Unipuck cassette. Liquid nitrogen is removed for the clarity of the view.