Acta Cryst. (2018). D**74**, doi:10.1107/S2059798318014146 Supporting information

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Supporting information for article:

Crystal structure of an Lrs14-like archaeal biofilm regulator from *Sulfolobus acidocaldarius*

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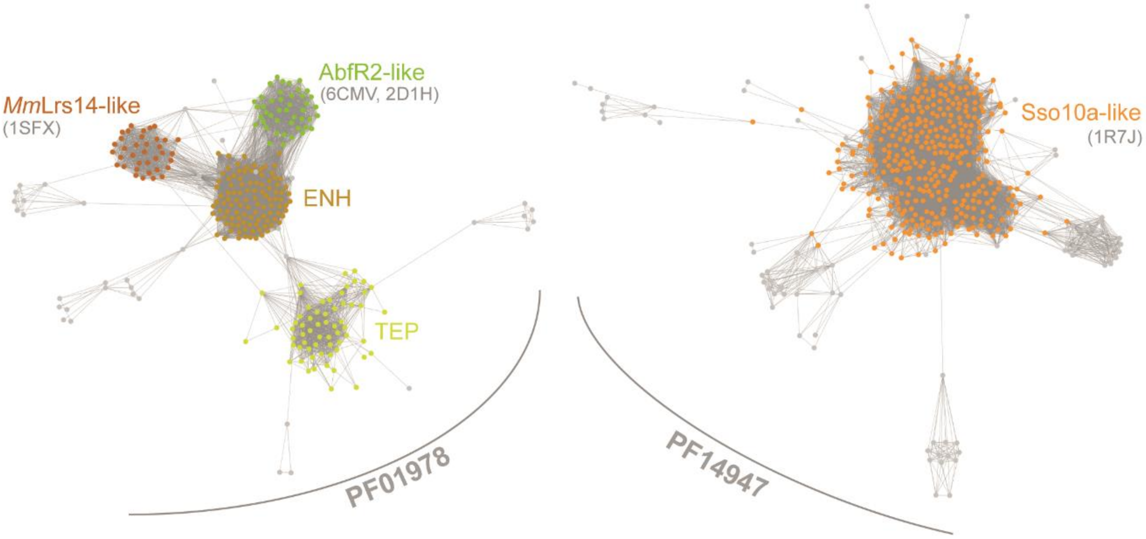
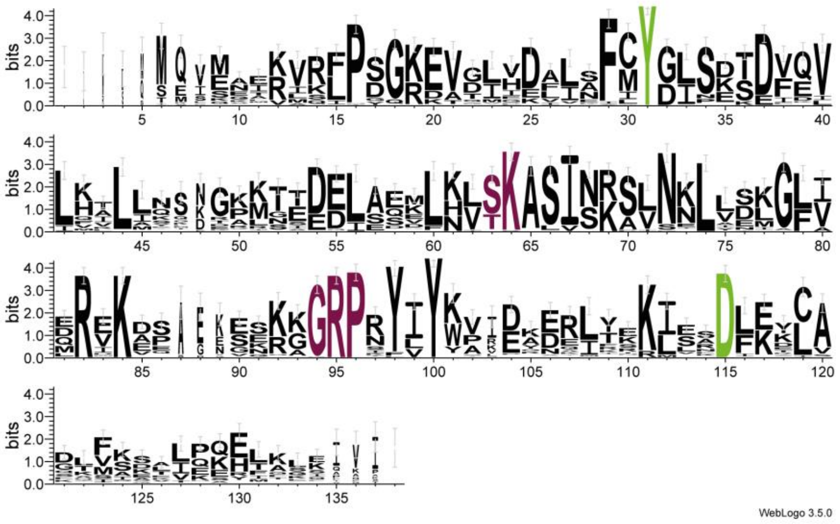
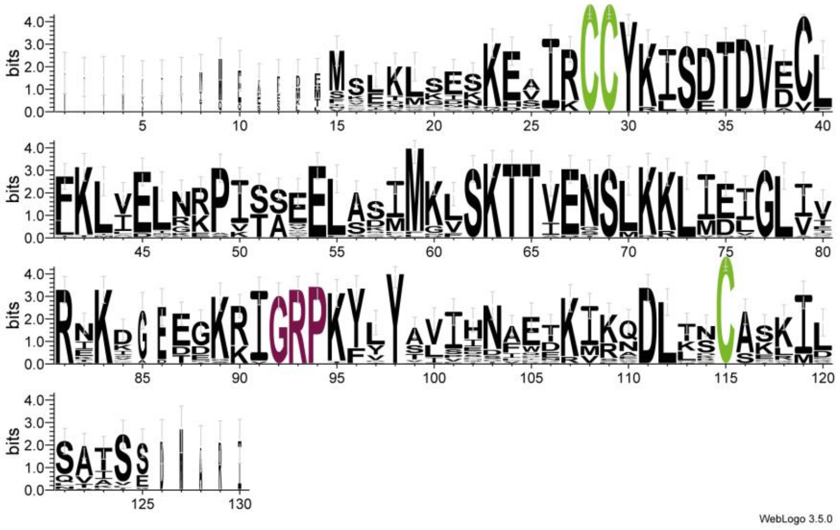


Figure S1 Sequence similarity newtork of TrmB (PF01978) and related Lrp protein Sso10a-like (PF14947) proteins analyzed using using EFI-EST (Gerlt *et al.*, 2015) and represented using Cytoscape (Cline *et al.*, 2007). Although these protein families shared stuctural similarities, they formed separate clusters with no evolutionary connections in the network analysis.

AbfR2-like



Sto12a-like



AbfR1-like

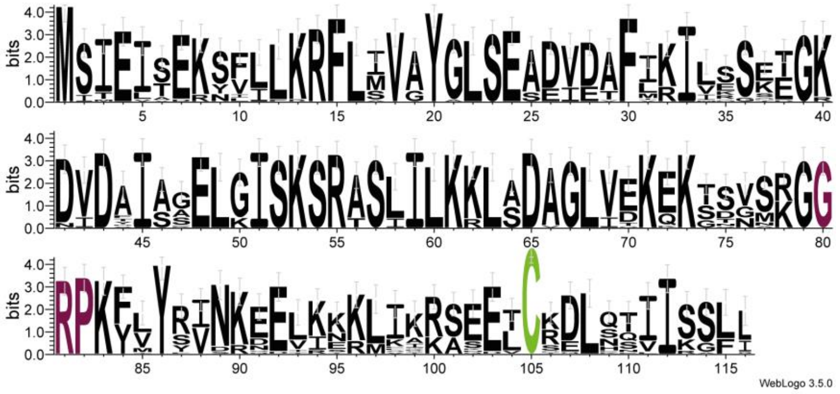


Figure S2 Conserved residues in AbfR1, AbfR2 and Sto12a-like protein clusters obtained from EFI-EST sequence similarity network, represented using WEBLOGO.

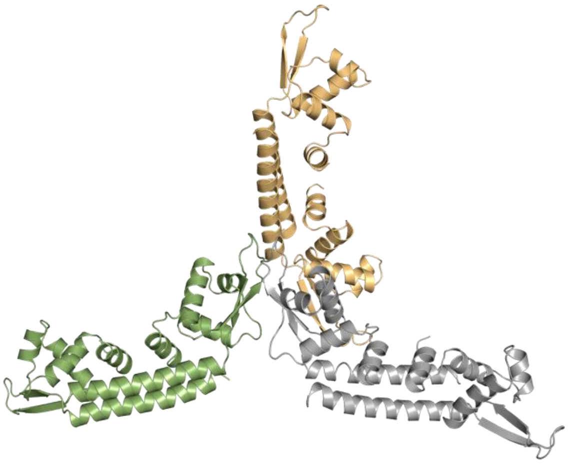


Figure S3 Three independent AbfR2 dimers were identified per asymmetric unit (ASU).

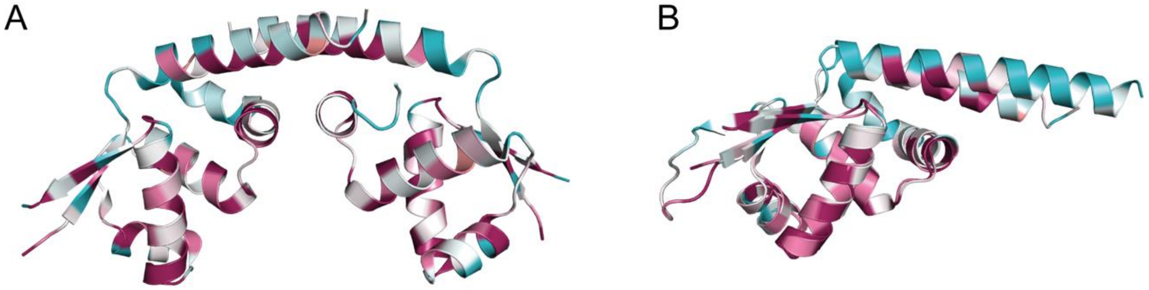


Figure S4 (A) CONSURF analysis of Sto12a (2D1H). (B) Alignment of Sto12a and AbfR2 monomer in consurf generated coulour scheme. The conservation scheme for both of the protein are comparable, where the H4 helix is the least conserved and DNA binding H3 helix is the most conserved.

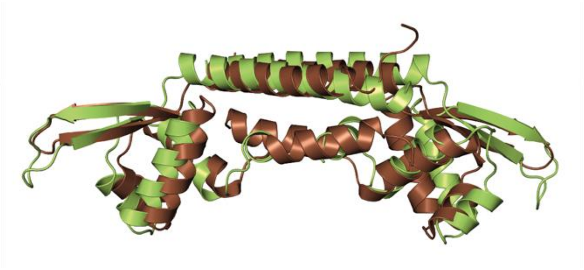


Figure S5 Superposition of AbfR2 (green) and structurally related Lrs14-like protein from *A. fulgidus (*1SFX, brown).