## **Supplementary materials**

Fig-S1: Ramachandran plot. 83.2% of residues are in the most favored regions and 16.8% are in additional allowed regions. Glycine residues are shown as triangles.

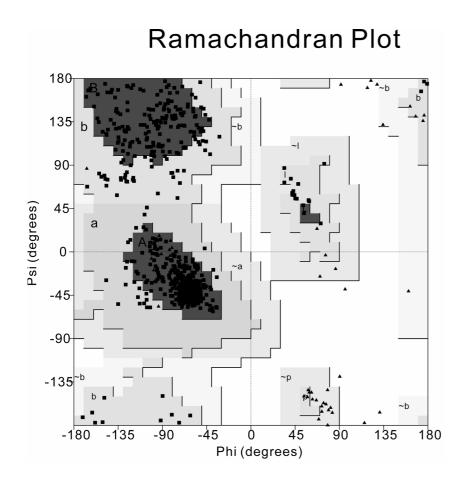


Fig-S2: (a) trimers A and C; (b) trimers D and E; (c) trimers B and F. The figures are viewed down the crystallographic  $a^*$  axis and the protein molecules are drawn in C $\alpha$  tracing.

