

**Figure S1.** Denaturing 12 % SDS-PAGE analysis of mutant proteins used in this study. Upper case characters (*G, T* and *V*) indicate the source of the cohesin modules and lower case (*g, t* and *v*) indicate the source of the dockerin module as given in Figure 1, where *G,g* refers to *Archaeoglobus fulgidus*, *T,t* refers to *Clostridium thermocellum*; and *V,v*, to *Clostridium clariflavum*.