

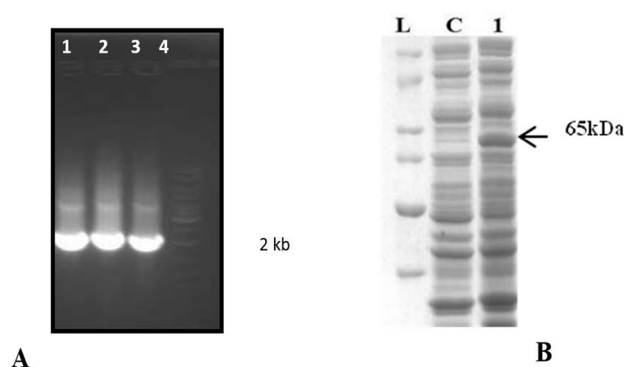
Cloning and Characterization of a Novel *cry2Ad5*-Type Gene from HD29 Strain of *Bacillus thuringiensis* subsp. *galleriae*

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Supplementary Fig. 1. A, PCR amplification of *cry2Ad5* gene (2 kb) from HD29 strain of *Bacillus thuringiensis* (Lanes 1, 2 and 3), Lane 4: 1 Kb DNA ladder. B, SDS-PAGE analysis of Cry2Ad 5 expressed in BL21 (codon plus). Lane L: Molecular weight marker, Lane C: Negative control, Lane 1: Cry2Ad5.

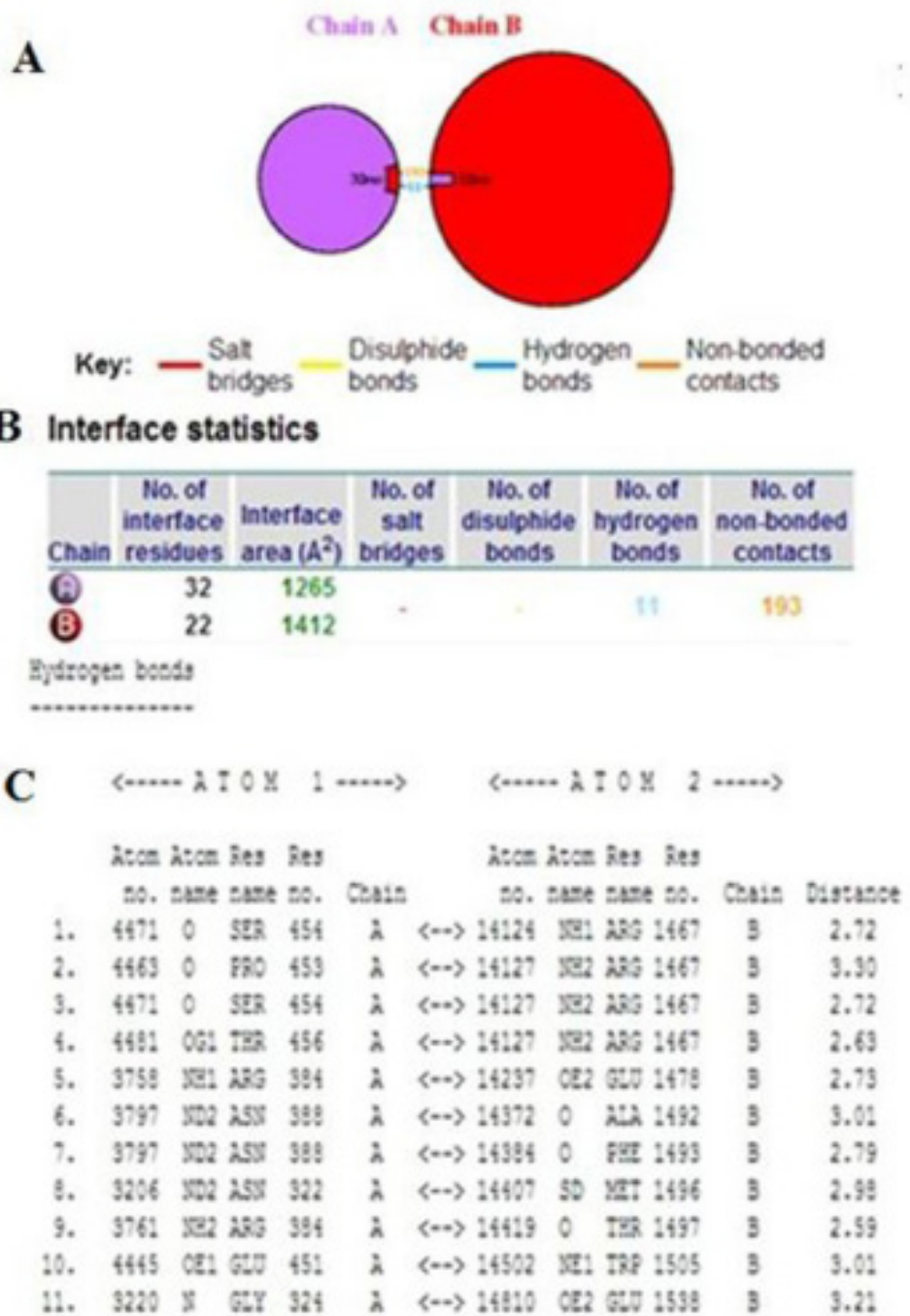
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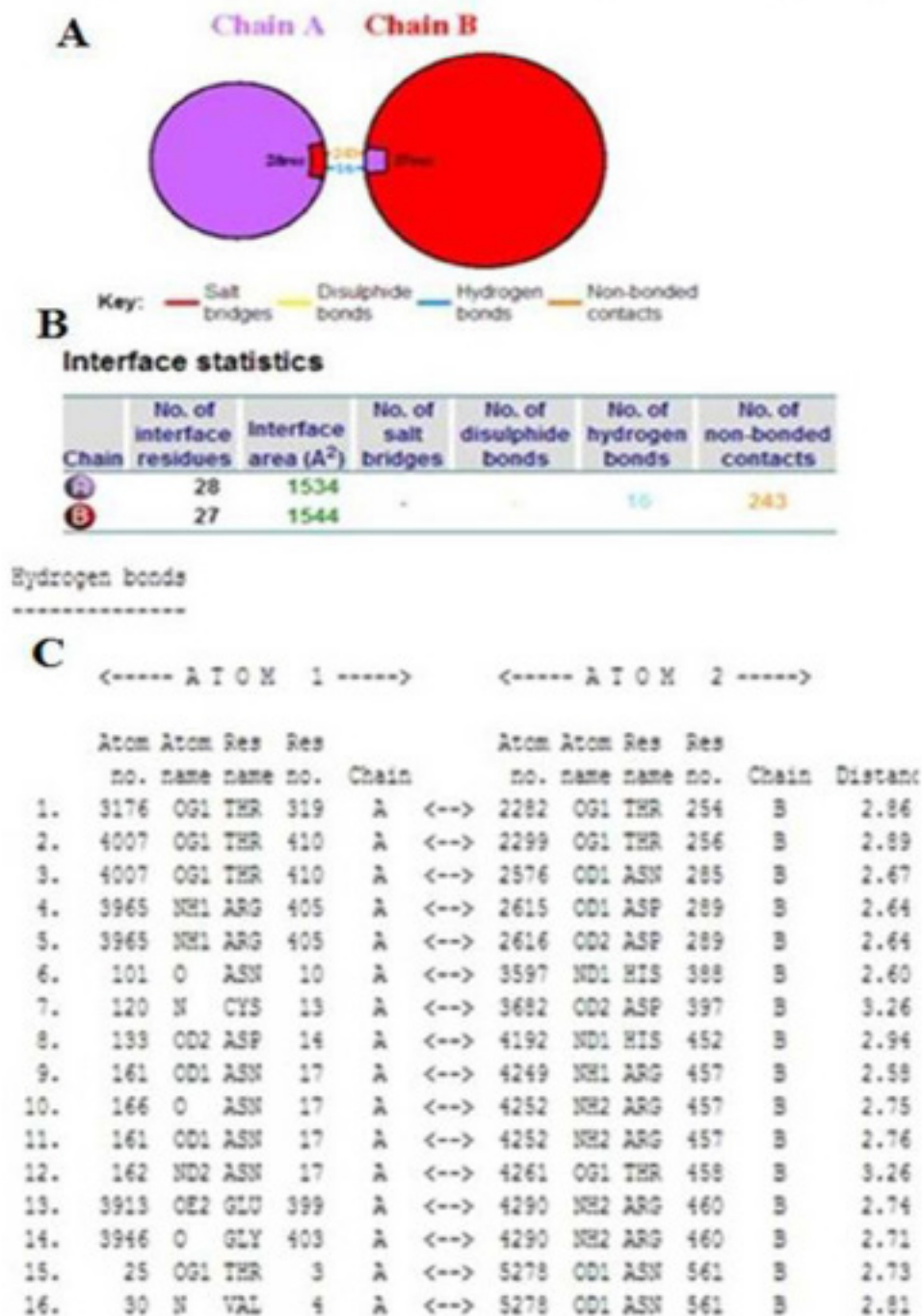
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Cry2Ad5 Cadherin (*Helicoverpa armigera*)



Supplementary Fig. 2. PDBsum results of the docked model of Cry2Ad5 and Cadherin of *Helicoverpa armigera*. **A**, Overall interaction of the two proteins i.e. Cry2Ad5 shown as a purple chain and Cadherin (*Helicoverpa armigera*) shown as a red chain. **B**, shows the statistical interface of the two macromolecules. **C**, The detailed hydrogen bonds have been shown.

Cry2Ad5-APN (*Helicoverpa armigera*)



Supplementary Fig. 3. PDBsum results of the docked model of Cry2Ad5 and APN of *Helicoverpa armigera*. **A**, Overall interaction of the two proteins i.e. Cry2Ad5 shown as a purple chain and APN (*Helicoverpa armigera*) shown as a red chain. **B**, Shows the statistical interface of the two macromolecules. **C**, The detailed hydrogen bonds have been shown.