

Electrostatic switching controls channel dynamics of the sensor protein VirB10 in *A. tumefaciens* Type IV secretion system.

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Supplementary Data

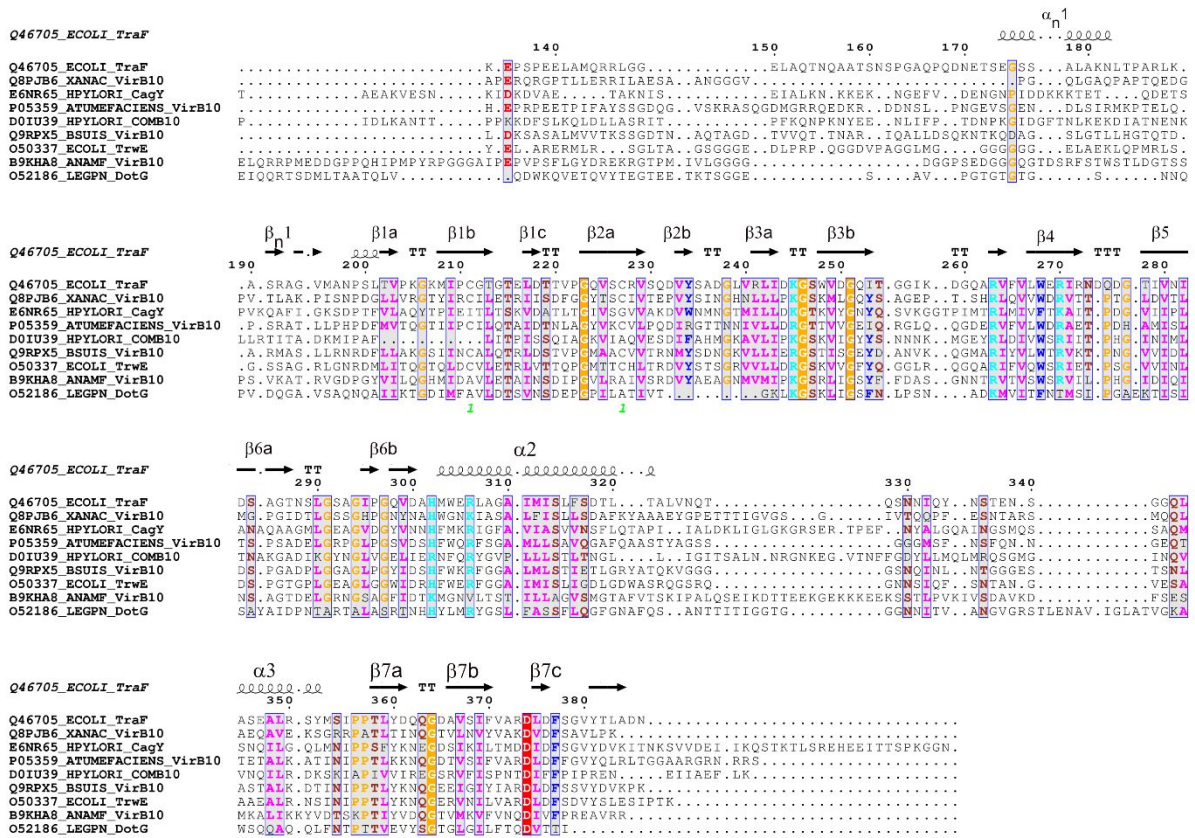


Figure S1: Multiple sequence alignment using ClustalO of VirB10 sequences from diverse T4S system including conjugation and effector translocation T4Sa and T4Sb system. Figure prepared using ESPrnt 3.0.

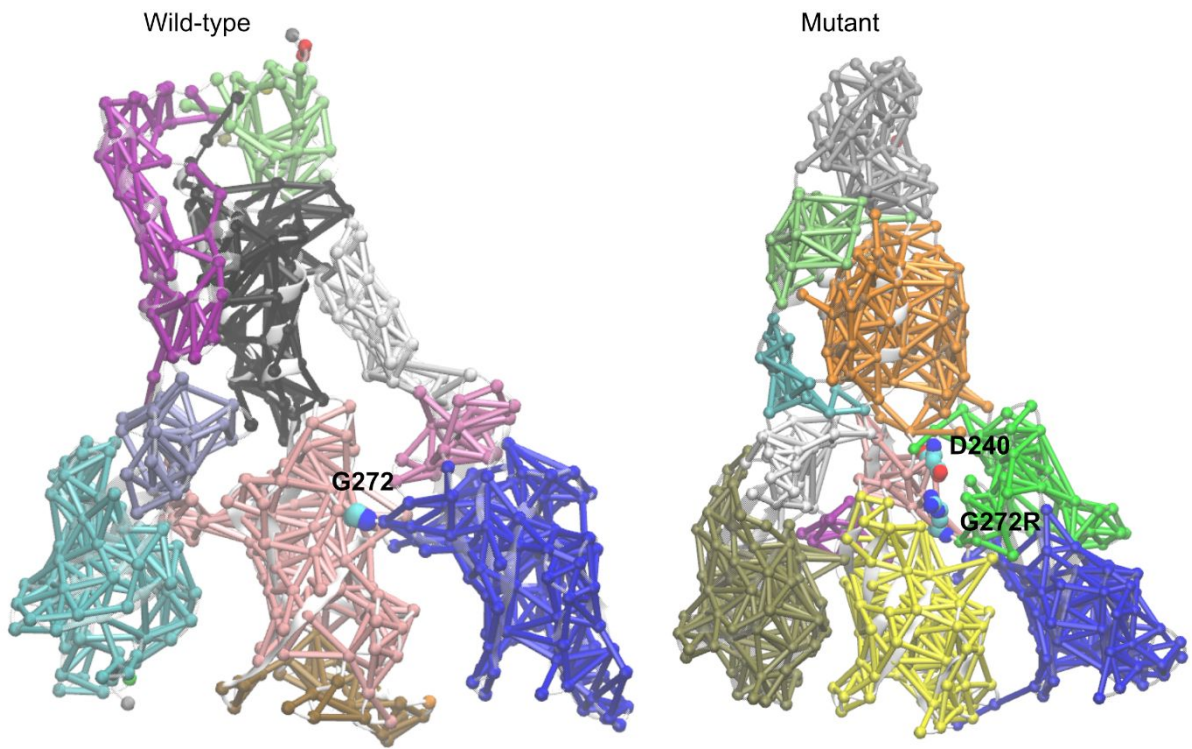


Figure S2: Network communities for Wild-type and G272R mutant *AtVirB10*.

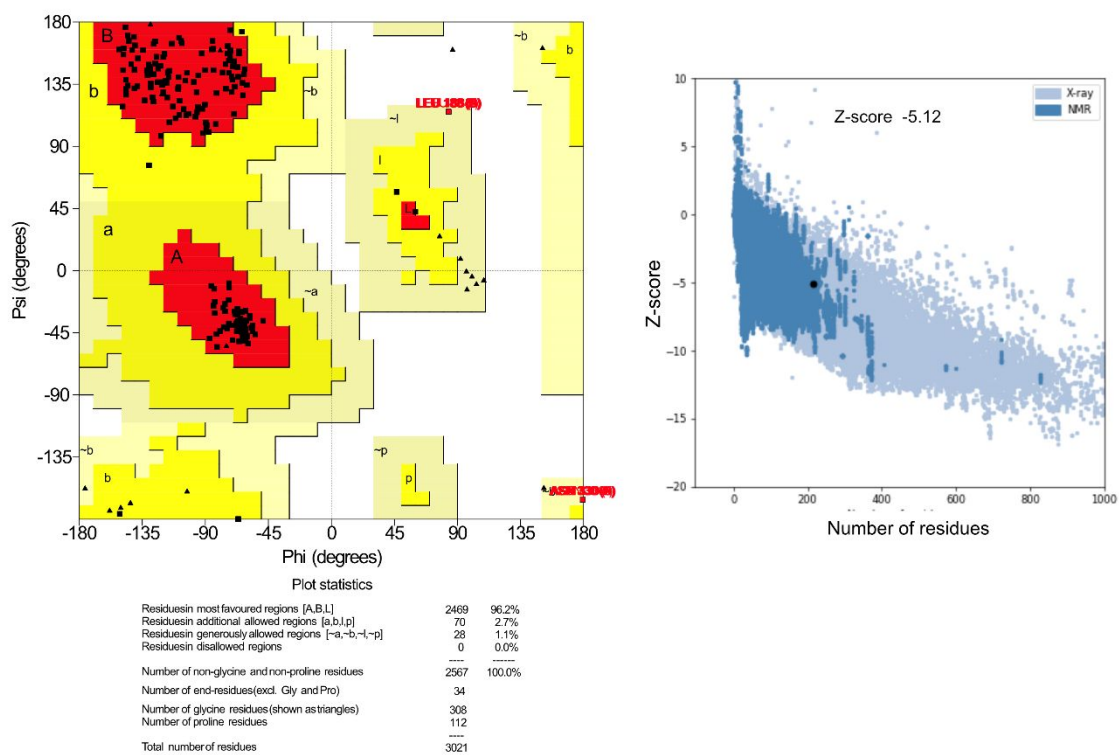


Figure S3: Stereochemical parameter checks (Ramachandran Plot from Procheck and Protein Structure Analysis) of the *A.tumefaciens* VirB10 model. The z-score indicates overall quality of the model and measures the deviation of the total energy of the structure with respect to an energy distribution derived from random conformations.