Supplementary Material

Morin protects channel catfish from *Aeromonas hydrophila* infection by blocking aerolysin activity

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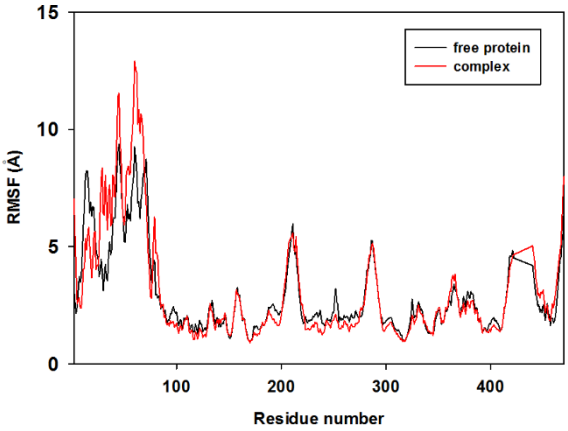
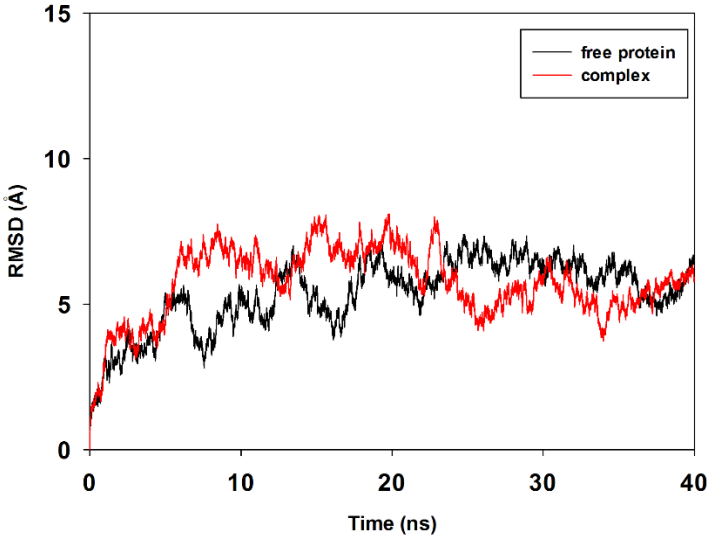
1 Supplementary Figures and Tables

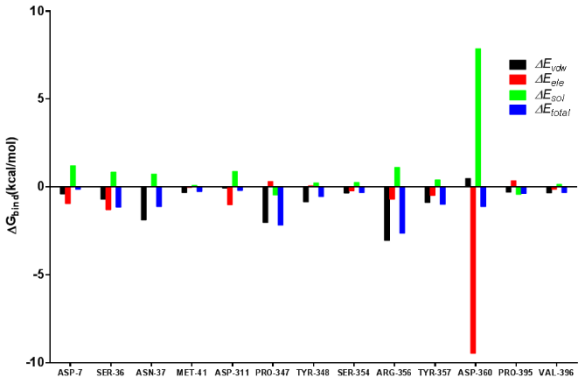
1.1 Supplementary Figures



Supplementary Figure 1. The root-mean-square deviations (RMSDs) of all the atoms of pAerA-morin complex and free pAerA with respect to its initial structure as function of time.



Supplementary Figure 2. RMSF of the residues of the whole protein in pAerA-morin complex and free pAerA during the 40 ns simulation.



Supplementary Figure 3. Decomposition of the binding energy on a per-residue basis in the pAerA-morin complex.

1.2 Supplementary Tables

Supplementary Table 1 Primer pairs used for the mutants

Primer Name	Sequence
R356A-F	5’-GGCGAGCAGCATTGCATACCAGTGGGAC-3’
R356A-R	5’-GTCCCACTGGTATGCAATGCTGCTCGCC-3’
P347A-F	5’-CCTTCGTCATCGGGGCGTACAAGGACAAG-3’
P347A-R	5’-CTTGTCCTTGTACGCCCCGATGACGAAGG-3’
S36A-F	5’-GGAAGCCCAGAGCGTTAAAGCGAATATTGTCAATATGATGG-3’
S36A-R	5’-CCATCATATTGACAATATTCGCTTTAACGCTCTGGGCTTCC-3’