

Supporting Information

Sensor I regulated ATPase activity of FleQ is essential for motility to biofilm transition in *Pseudomonas aeruginosa*

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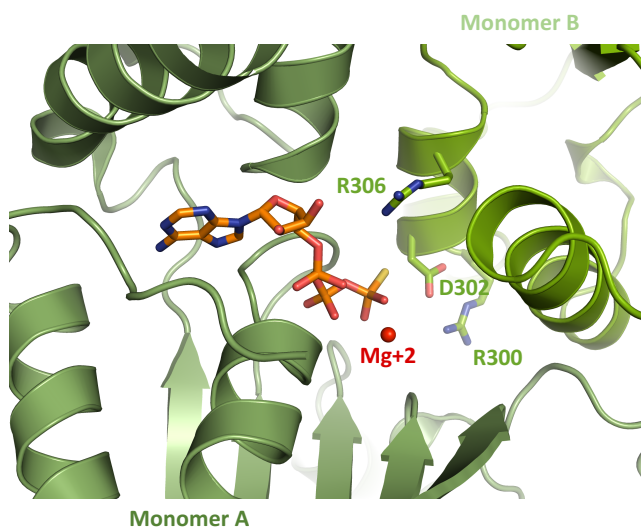
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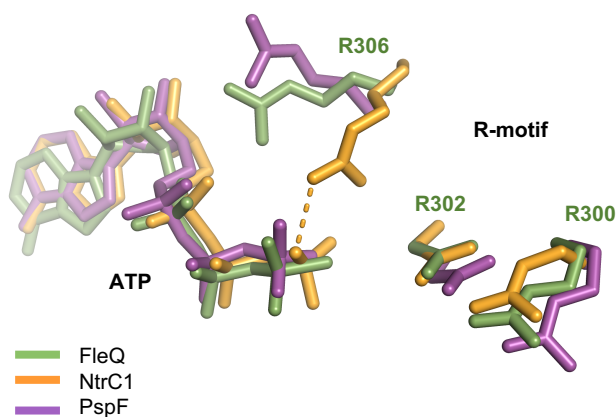
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Figure S1

A



B



C

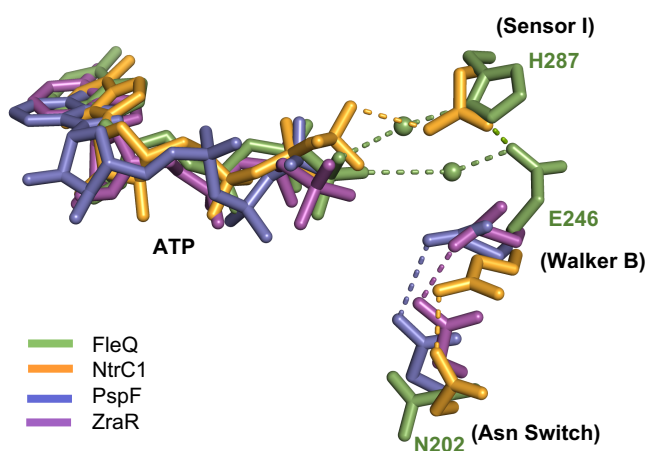


Figure: S1 (A) Inter protomeric interface of FleQ. One protomer depicted in smudge green and the other one in chartreuse. The putative R-motif (R300, D302 and R306) in trans is directed towards bound ATPyS (B) Structural superimposition of FleQ (green), NtrC1 (orange) and PspF (magenta) showing orientation and interactions of R motif (R finger) in FleQ, NtrC1 and PspF are represented. (C) Structural superimposition of FleQ (green), NtrC1 (orange) and PspF (magenta) and ZraR (blue) showing orientation and interactions of Glu switch and Asn switch.

Figure S2

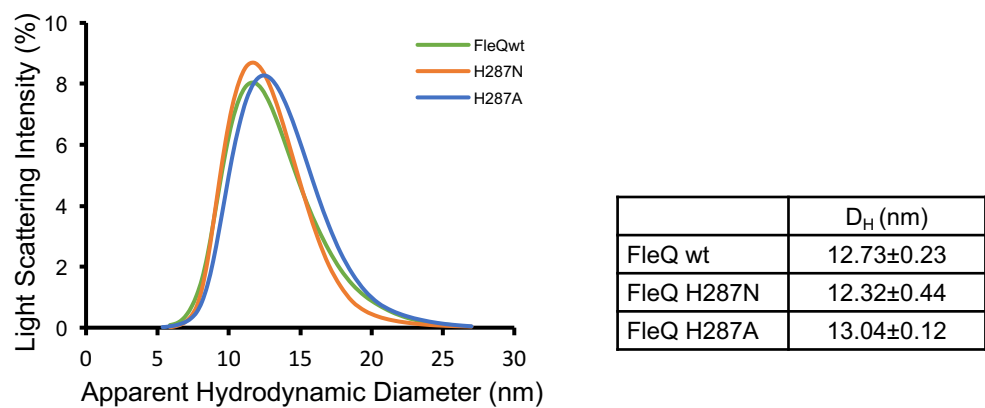


Figure: S2 The size distributions of apparent hydrodynamic diameters of wtFleQ (green), and sensor I mutants H287N (orange), H287A (blue) are shown. Obtained average hydrodynamic diameters with corresponding standard deviation are depicted in table.