

## **Supplementary Information**

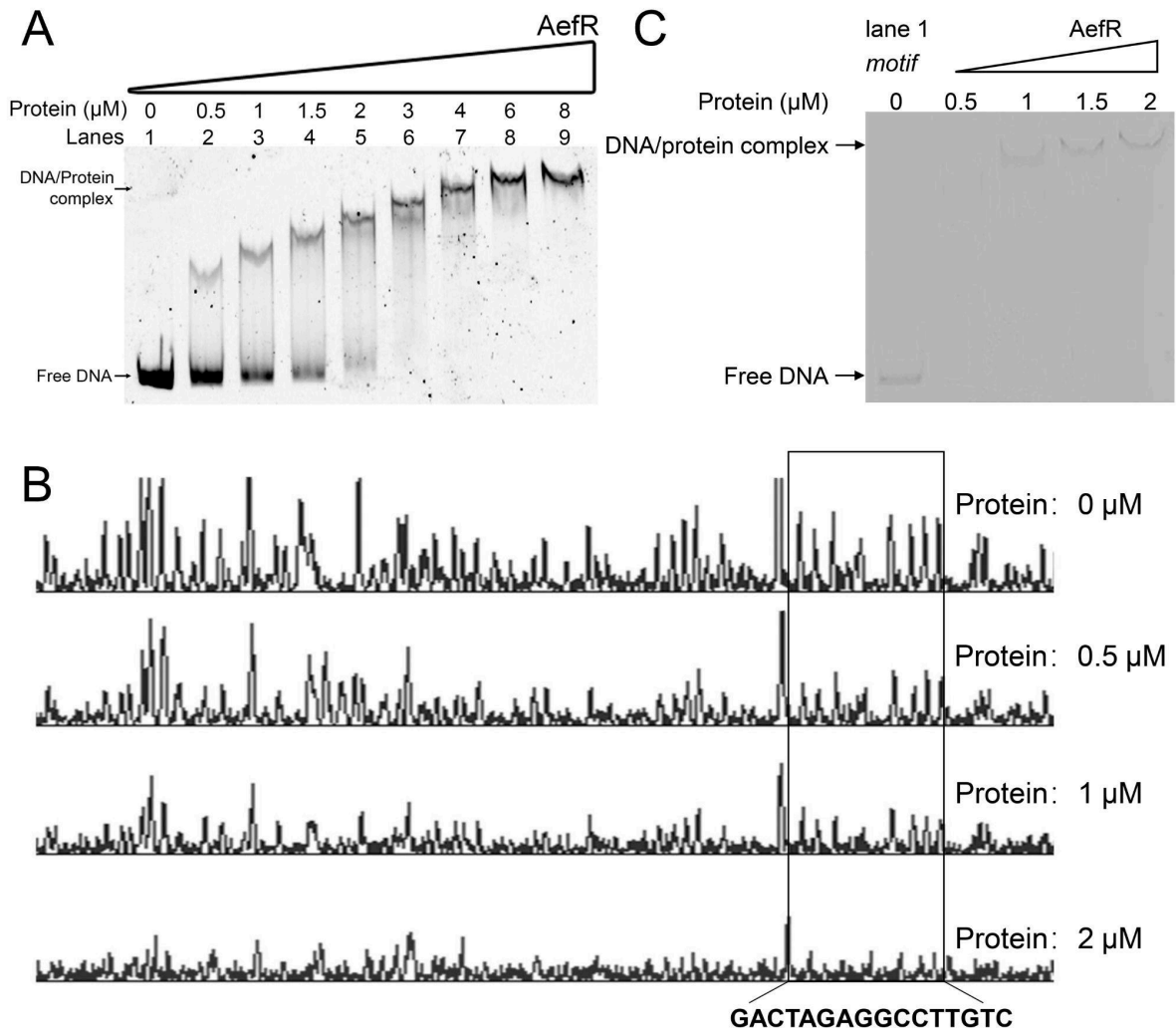
**The flavonoid-sensing regulator AefR is involved in modulating quorum sensing through repressing the MexEF-OprN efflux pump in *Pseudomonas fluorescens***

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**Figure S1. EMSA and DNase I footprinting were used to determine the interaction between His<sub>6</sub>-AefR and the promoter region of *mexEF-oprN* designated as FAM-*pmexEF-oprN*.** (A) The probe FAM-*pmexEF-oprN* was incubated with different concentrations of His<sub>6</sub>-AefR (0.5-8 μM) or with buffer alone as a negative control (lane 1). (B) The DNase I footprinting analysis of FAM-*pmexEF-oprN* in the presence of 0 μM AefR protein (control), 0.5 μM AefR, 1 μM AefR and 2 μM AefR. The semi-palindromic region protected by AefR is boxed, and a sequencing map of *pmexEF-oprN* is shown at the bottom. (C) The probe FAM-*motif* was incubated with different concentrations of His<sub>6</sub>-AefR (0.5-2 μM) or with buffer alone as a negative control (lane 1).