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SUPPLEMENTARY ONLINE DATA

Molecular characterization of the TonB2 protein from the fish pathogen *Vibrio anguillarum*

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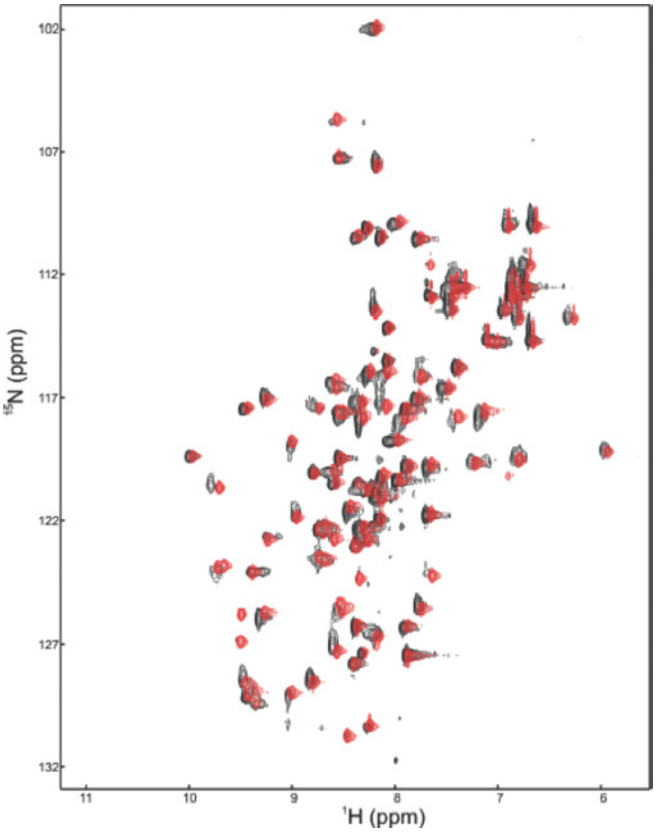

Figure S1 Titration of TonB2 CTD with the FatA TonB-box

The TonB2 CTD ^{1}H/^{15}N HSQC spectrum is in black. That of the TonB2 CTD with the FatA TonB-box is in red. The small shifts that are observed are similar to those seen when the pH of the solution is changed from 7.0 to 6.5, and the residues that are affected are distributed essentially randomly across the protein surface.

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Table S1 Primers used in the present study

Underlined sequences indicate restriction sites for BamHI and PstI restriction enzymes. Italics shown in the tonB2-AAA- and tonB2-6AC’-primers indicate the codons mutated to alanine as compared with the wild-type *tonB2* sequence. RT–PCR, reverse transcription PCR.

Name	Sequence 5′ to 3′	Used in:
tonB2R	5′-GGATCCTCATCATTTGGCAATTTTAAACTCC-3′	RT–PCR, PCR
FtonB2	5′-CTGCAGCGGAGTGAAAAATATCGCATTGG-3′	PCR
Delta 2	5′-GGATCCTCATCAAATTTTAAACTCCACAGT-3′	PCR
Delta 3	5′-GGATCCTCATCATTTAAACTCCACAGTCAC-3′	PCR
Delta 4	5′-GGATCCTCATCAAAACTCCACAGTCACGGT-3′	PCR
tonB2-AAA-	5′-GGATCCTCATCA*TGCGGCAGC*TTTAAACTC-3′	PCR
tonB2-6AC’	5′-GATCCTCATCA*TGCGGCAGCTGCAGCCGC*CACAGTCACGGT-3′	PCR
tonB2-106	5′-CACCAGCGCACCAACCTTTGGTGAT-3′	PCR
tonB2-76	5′-CACCACACAGTCACAAACTACCGCT -3′	PCR
FtonBEc	5′-CTGCAGCTTATTGAATATGATTGC-3′	PCR
RtonBEc	5′-GGATCCAATTGGGCAACGCTATAAG-3′	PCR
tonBEc$\Delta\beta$4	5′-GGATCCTCATCAGCCGTTAATTTTAAACAGGATATTCACCAC-3′	PCR
4B2AR	5′-TAAACCGACCAACTGTCGCCACCA-3′	SOE
TonB2/Ec	5′-GATCCTCACTGAATTTCGGTGGTTTTGGCAATTTTAAACTCCACAGT-3′	PCR
Loop3/R	5′-GTCGATATCAATGTCGTCGATATGTTTGAGCGTGAAGCGATG-3′	SOE
Loop3/F	5′-CGATGCAAGCGCTGAAAAAACAAACCGTGACTGTGGAGTTTAAA-3′	SOE
L3-179-184R	5′-ATTGGCTTTACCGTCGACAATTTTTTTCAGCGCTTGCATCGC-3′	SOE
L3-179-184F	5′-GCGATGCAAGCGCTGAAAAAAATTGTCGACGGTAAAGCCATT-3′	SOE
L3-185-190R	5′-GGTTTGTCCCGGCTGCTCAATCTGAGGTTGATACTTCCATTT-3′	SOE
L3-185-190F	5′-AAATGGAAGTATCAACCTCAGATTGAGCAGCCGGGACAAACC-3′	SOE
L3-191-195R	5′-AAACTCCACAGTCACGGTTTGGGCTTTACCGTCGACAATCTG-3′	SOE
L3-191-195F	5′-GACATTGTCGACGGTAAAGCCCAAACCGTGACTGTGGAGTTT-3′	SOE

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