

Description of Additional Supplementary Files:

Supplementary Dataset 1: In vitro pull down of *P. aeruginosa* cell lysate using His-tagged PlzR as a bait. Related to Fig 4A. Mass spectrometry results of the in vitro pull-down with His-tagged PlzR as a bait and *P. aeruginosa* cell lysate as prey. The numbers in the table indicate the number of spectra associated only with an identified protein. Those numbers are taken from the Scaffold report presented in sheet 'Results mass spectrometry' and column labeled as 'Exclusive Spectrum Count'. Analyses were done on a LTQ-Orbitrap Velos Pro (Thermo Scientific).

Supplementary Dataset 2: Tables of predicted interactions in PlzR: PilZ(:PilB) models. Sheet 1 contains a description of the contents and sheet 2-4 contain the predicted interactions for different subsets of the data.