Supplementary Figure S3. Confirming protein expression of WT and mutant YfiB proteins. (a) The sequence of the wildtype N-terminal linker and the three site-directed linker mutants. The amino acid pairs mutated, are highlighted in red. **(b)** The sequence of the wildtype YfiB activating domain with serine at position 36 and the mutant sequence with alanine at position 36, highlighted in red. **(c)** SDS gel stained with Coomassie blue dye for validating equal total protein loading for each sample. **(d)** Western transfer and blotting of the loaded SDS gel using the anti-HisA antibody to check for correct protein expression. YfiB is known to be a 17.2 kDa protein, WT YfiB protein sample and site directed mutants of YfiB, all show a band at the same location, above the 15 kDa band of the protein ladder. *Lane 1- Pre-stained protein ladder (10-250 kDa); Lane 2- SFL2650 (empty pBAD_*Myc*_HisA vector); Lane 3- WT YfiB (SFL2642/YfiBComp); Lane 4- SFL2645 (Cys19Gln20->Ala19Glu20); Lane 5- SFL2646 (Pro22Gln23->Ala22Glu23); Lane 6- SFL2647 (Glu29Gln30->Ala29Glu30); & Lane 7- SFL2648 (Ser36->Ala36).