



FIG S4 Binding of the SepJ-SH3 binding motif to SjcF1. Fluorescent labeled peptide representing the SH3 binding motif of SepJ (3: FVEPVLPVPI; $K_D=39\pm3 \mu\text{M}$) or the mutated motif of SepJ (2: PLTSEKSSEP; $K_D>2 \text{ mM}$; reproduced from Fig 6) was incubated with increasing concentrations of His-tagged SjcF1. The fluorescent anisotropy was analyzed. For representation, the initial value was subtracted and the curve is normalized to the maximal expected value. The lines indicate the least square fit analysis to the $F=F_{\text{max}} \cdot [\text{SjcF1}] / (K_D + [\text{SjcF1}])$.