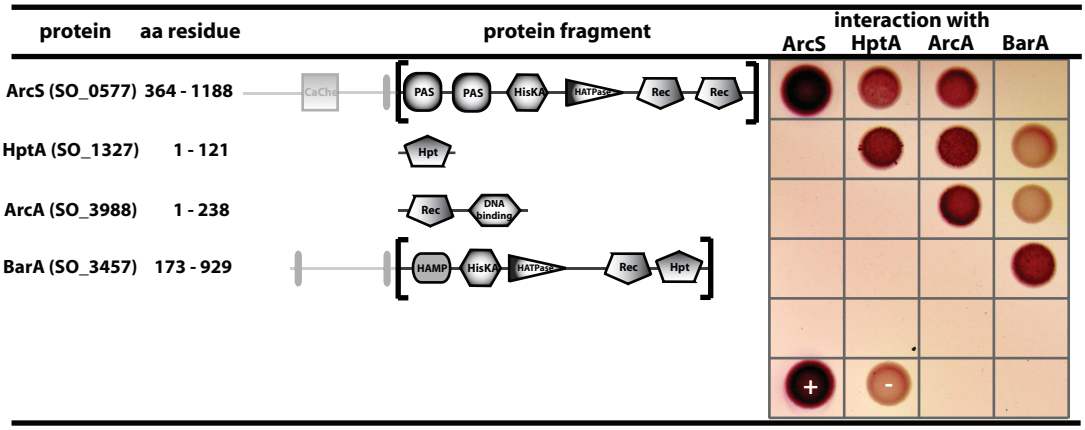

Plasmid combinations used in this study

strain	genotype	plasmid	protein fragment encoded on plasmid	gene	selection marker
BTH101[a]	F⁻, *cya-99, araD139, galE15, galK16, rpsL1 (Str^r), hsdR2, mcrA1, mcrB1*	pUT18C_ PAS_ArcS pKT25_ArcS	PASI-PASII-HisKA-HATPase-Rec-Rec PASI-PASII-HisKA-HATPase-Rec-Rec	SO_0577 (*arcS*) SO_0577 (*arcS*)	Amp^R Kan^R
BTH101[a]	F⁻, *cya-99, araD139, galE15, galK16, rpsL1 (Str^r), hsdR2, mcrA1, mcrB1*	pUT18_ PAS_ArcS pKNT25_HptA	PASI-PASII-HisKA-HATPase-Rec-Rec HptA[d]	SO_0577 (*arcS*) SO_1327 (*hptA*)	Amp^R Kan^R
BTH101[a]	F⁻, *cya-99, araD139, galE15, galK16, rpsL1 (Str^r), hsdR2, mcrA1, mcrB1*	pUT18C_PAS_ ArcS pKNT25_ArcA	PASI-PASII-HisKA-HATPase-Rec-Rec ArcA[d]	SO_0577 (*arcS*) SO_3988 (*arcA*)	Amp^R Kan^R
BTH101[a]	F⁻, *cya-99, araD139, galE15, galK16, rpsL1 (Str^r), hsdR2, mcrA1, mcrB1*	pUT18_ HptA pKT25_HptA	HptA[d] HptA[d]	SO_1327 (*hptA*) SO_1327 (*hptA*)	Amp^R Kan^R
BTH101[a]	F⁻, *cya-99, araD139, galE15, galK16, rpsL1 (Str^r), hsdR2, mcrA1, mcrB1*	pUT18C_ HptA pKT25_ArcA	HptA[d] ArcA[d]	SO_1327 (*hptA*) SO_3988 (*arcA*)	Amp^R Kan^R
BTH101[a]	F⁻, *cya-99, araD139, galE15, galK16, rpsL1 (Str^r), hsdR2, mcrA1, mcrB1*	pUT18C_ ArcA pKNT25_ArcA	ArcA[d] ArcA[d]	SO_3988 (*arcA*) SO_3988 (*arcA*)	Amp^R Kan^R
BTH101[a]	F⁻, *cya-99, araD139, galE15, galK16, rpsL1 (Str^r), hsdR2, mcrA1, mcrB1*	pUT18C_BarA pKT25_BarA	HAMP-HisKA-HATPase-Rec-Hpt HAMP-HisKA-HATPase-Rec-Hpt	SO_3457 (*barA*) SO_3457 (*barA*)	Amp^R Kan^R
BTH101[a]	F⁻, *cya-99, araD139, galE15, galK16, rpsL1 (Str^r), hsdR2, mcrA1, mcrB1*	pUT18C-zip[b] pKT25-zip[b]	GCN4[d] GCN4[d]	YEL009C (*GCN4*) YEL009C (*GCN4*)	Amp^R Kan^R
BTH101[a]	F⁻, *cya-99, araD139, galE15, galK16, rpsL1 (Str^r), hsdR2, mcrA1, mcrB1*	pUT18C[c] pKT25[c]	- -	- -	Amp^R Kan^R

[a]BTH101 strain (without plasmids) supplied by EUROMEDEX, France
[b]Plasmid for positive-control (coding for the yeast leucine zipper), supplied by EUROMEDEX, France
[c]Empty plasmid for negative control, supplied by EUROMEDEX, France
[d]Full-length protein

Figure S3: Analysis of in vivo protein-protein interactions in a bacterial two-hybrid system. The cloned fragments of the genes and the encoded domains (within brackets) are indicated. Interactions of indicated proteins fused to the T18 and T25 fragments, respectively, of the *B. pertussis* adenylate cyclase result in a red appearance of the colonies on McConkey agar. (+), positive control (T18-zip/T25-zip); (-) negative control (T18/T25 empty vectors). The combinations of plasmids used for the study are summarized in the table.