Interspecies and Intraspecies Signals Synergistically Regulate the Twitching Motility in *Lysobacter enzymogenes*

Running title: Regulation of *L. enzymogenes* twitching motility

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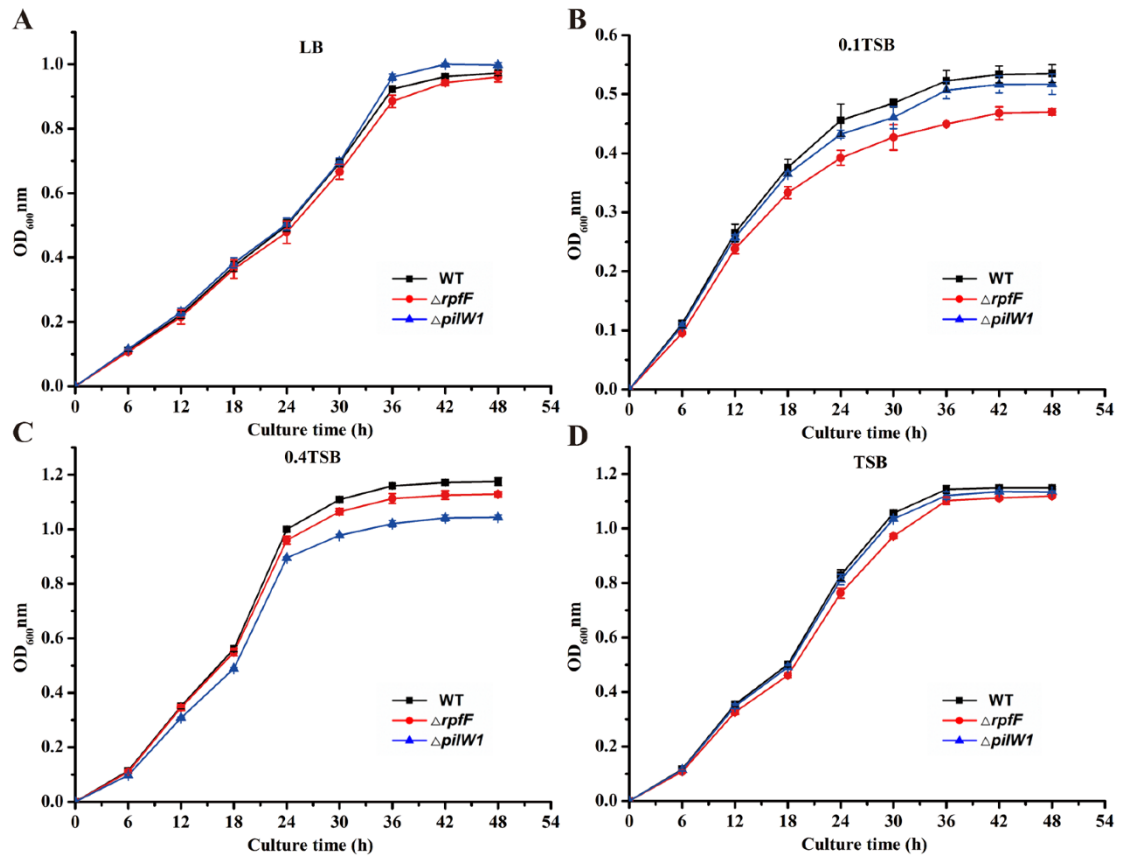
The authors declare no conflict of interest.

Figure S1. OD$_{600}$ analysis of the wild-type strain, $\Delta rpfF$ and $\Delta pilW1$ mutant in LB, 0.1 TSB, 0.4 TSB and TSB media. (A) Grown of wild-type strain, $\Delta rpfF$ and $\Delta pilW1$ mutants in LB medium. (B) Grown of wild-type strain, $\Delta rpfF$ and $\Delta pilW1$ mutants in 0.1 TSB medium. (C) Grown of wild-type strain, $\Delta rpfF$ and $\Delta pilW1$ mutants in 0.4 TSB medium. (D) Grown of wild-type strain, $\Delta rpfF$ and $\Delta pilW1$ mutants in TSB medium. The results are representative of biological duplicates. The error bars represent the standard deviations of at least three replicat.

Table S1. Gene information and GeneBank accession numbers of Tfp assembly system of *L. enzymogenes* YC36

Gene name	GenBank accession number	Gene name	GenBank accession number
pilM	MK967244	*pilE$_2$*	MK967260
pilN	MK967245	*pilY1$_2$*	MK967261
pilO	MK967246	*pilX$_2$*	MK967262
pilP	MK967247	*pilW$_2$*	MK967263
pilQ	MK967248	*pilV$_2$*	MK967264
pilT	MK967249	*fimT$_2$*	MK967265
pilT$_2$	MK967250	*fimU$_2$*	MK967266
pilZ	MK967251	*pilJ*	MK967267
pilH$_2$	MK967252	*pilI*	MK967268
pilF	MK967253	*PilH*	MK967269
pilE	MK967254	*pilG*	MK967270
pilY1	MK967255	*pilS*	MK967271
pilX	MK967256	*pilR*	MK967272
pilW	MK967257	*pilA*	MK967273
pilV	MK967258	*pilB*	MK967274
fimT	MK967259	*pilC*	MK967275
		pilS$_2$	MK967276

All GenBank entries in the table S3 represent the corresponding accession numbers for the genes in Tfp assembly system of the *L. enzymogenes* YC36.