

Supplementary Materials: A Novel High-Efficient Method for Preparing Bacterial Ghosts in Large Quantities

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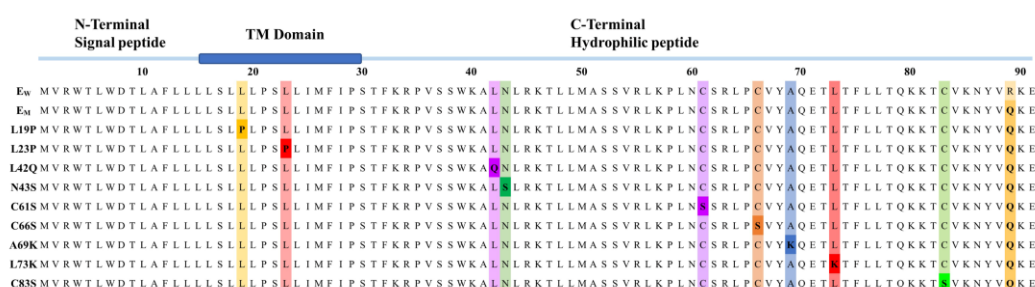


Figure S1. Alignment of lysis protein E and its mutants were listed. Ew referred to wild-type lyase, and Em was the mutation of arginine at position 89 to glutamine. The mutation sites were marked in color. Transmembrane domain (TM Domain) from the 15th to 30th was labeled.

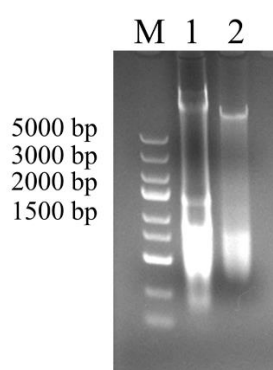


Figure S2. The genomic DNA in *E. coli* BL21 (DE3) before lysis (lane 1) and after lysis (lane 2) were analyzed by gel electrophoresis.

Table S1. Part of the primers used in this study.

Primers	Sequence (5'–3')
F-EW	TTTAAGAAGGAGATATACCATGGATGGTACGCTGGACTTTGTGG
R-EW	CGGATCTCAGTGGTGGTGGTGGTGGTGGTCTTTCTGGACATAATTCTTC
F-EM	TTTAAGAAGGAGATATACCATGG ATGGTGC GTTGGACTTTATGG
R-EM	CGGATCTCAGTGGTGGTGGTGGTGGTGGTCTTTCTGGACATAATTCTTCAC
F _M /L19P	TTAGTCTGCCATTGCCATCATTGTTAATTATGTTTCATCCCGAGCAC
R _M /L19P	AATGATGGCAATGGCAGACTAAACACTTGCTTTTCTTTTGCTGC
F _M /L23P	TCTTGCCATCACCATTAAATTATGTTTCATCCCGAGCACCTT
R _M /L23P	AATTAATGGTGATGGCAAGAGCAGACTAAGCAGCAAAAGAA
F _M /L42Q	AAGCACAGAACCTTCGTAAAACGCTGCTCATGGCGTCTT
R _M /L42Q	TTTACGAAGGTTCTGTGCTTTCCATGAGCTTACAGGTCTCTT
F _M /N43S	CTTAGTCTTCGTAAAACGCTGCTCATGGCGTCTTCGGTT
R _M /N43S	AGCGTTTTACGAAGACTAAGTGCTTTCCATGAGCTTACAGG
F _M /C61S	GCTTAAAACCTCTGAATTCTTCCCGGTTACCGTGCGTT
R _M /C61S	AGAATTCAGAGGTTTTAAGCGAACCGAAGACGCCATGA
F _M /C66S	ATTGTTCCCGGTTACCGTCTGTTTACGCCCAAGAAACATT
R _M /C66S	AGACGGTAACCGGGAACAATTCAGAGGTTTTAAGCGAACC
F _M /A69K	GCGTTTACAAGCAAGAAACATTAACATTCTTACTGACGCAGAAG
R _M /A69K	TGTTTCTTGCTTGTAACGCACGGTAACCGGGAACAATT
F _M /L73K	GAAACAAAGACATTCTTACTGACGCAGAAGAAGACCTGCGT
R _M /L73K	AGTAAGAATGTCTTTGTTTCTTGGGCGTAAACGCACGGTA
F _M /C83S	ACCTCTGTGAAGAATTATGTCCAGAAAGAGCACCACCAC
R _M /C83S	ACATAATTCTTCACAGAGGTCTTCTTCTGCGTCAGTAAGAATG