

Additional file 2: Table S1 Bacterial strains and plasmids used in this study

Bacterial strains and plasmids	Relevant characteristics	Source or references
<i>Escherichia coli</i>		
JM109	<i>recA1 endA1 gyrA96 thi-1 hsdR17(rK- mK+) e14- (mcrA-) supE44 relA1Δ(lac-proAB)/F'[traD36 proAB+ lac Iq lacZΔM15]</i>	Takara Bio, Tokyo, Japan
<i>Corynebacterium glutamicum</i>		
ATCC13869	Wild type	ATCC
AJ12036	ATCC13869 <i>N</i> -methyl- <i>N'</i> -nitro- <i>N</i> -nitrosoguanidine mutant	[40]
YDK010	AJ12036 $\Delta cspB$	[40]
YDK010 $\Delta pbp1a$	AJ12036 $\Delta cspB\Delta pbp1a$	This study
YDK010 $\Delta pbp1b$	AJ12036 $\Delta cspB\Delta pbp1b$	This study
ATCC13869 $\Delta cspB$	$\Delta cspB$	[41]
ATCC13869 $\Delta pbp1a$	$\Delta pbp1a$	This study
ATCC13869 $\Delta pbp1b$	$\Delta pbp1b$	This study
ATCC13869 $\Delta cspB\Delta pbp1a$	$\Delta cspB\Delta pbp1a$	This study
ATCC13869 $\Delta cspB\Delta pbp1b$	$\Delta cspB\Delta pbp1b$	This study
Plasmids		
pPK4	<i>E. coli</i> - <i>C. glutamicum</i> shuttle vector, Km ^r	[18]
pPKStrastFabHL	pPK4 carrying the heavy chain and the light chain genes of the Fab region of “trastuzumab” fused with the signal peptide of CspA from <i>C. ammoniagenes</i> under control of the <i>cspB</i> promoter from <i>C. glutamicum</i> , respectively	This study
pBS5T	<i>E. coli</i> - <i>C. glutamicum</i> shuttle vector, temperature-sensitive origin, Km ^r , <i>sacB</i> (<i>B. subtilis</i>)	[49]
pBS5T $\Delta pbp1a$	pBS5T carrying the flanking regions of the <i>pbp1a</i> gene	This study
pBS5T $\Delta pbp1b$	pBS5T carrying the flanking regions of the <i>pbp1b</i> gene	This study