CHEMBIOCHEM

Supporting Information

Activation of the *glmS* Ribozyme Confers Bacterial Growth Inhibition

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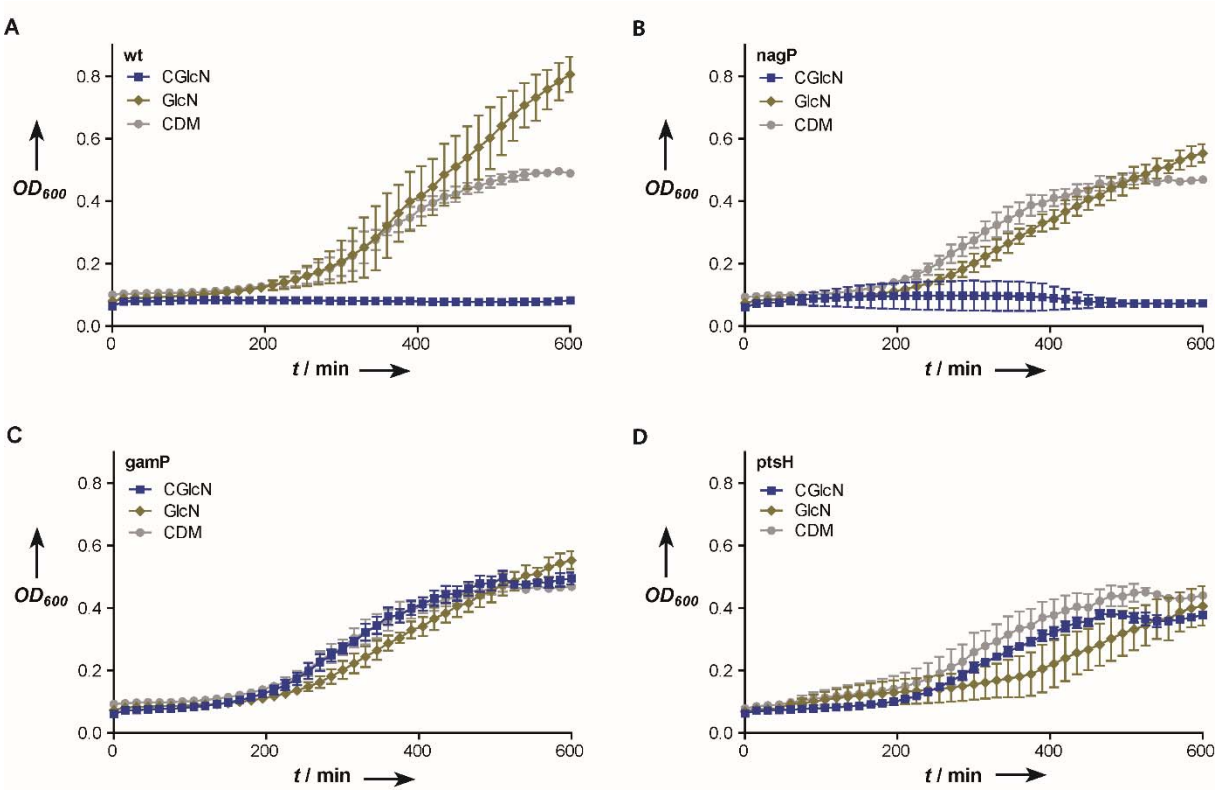

Figure S1: Wild-type A) or individual knock-out PTS strains of *B. subtilis* B-D) were incubated with CGlcN (blue) or GlcN (orche) [300 µM] or in CDM (grey) growth was monitored over time.

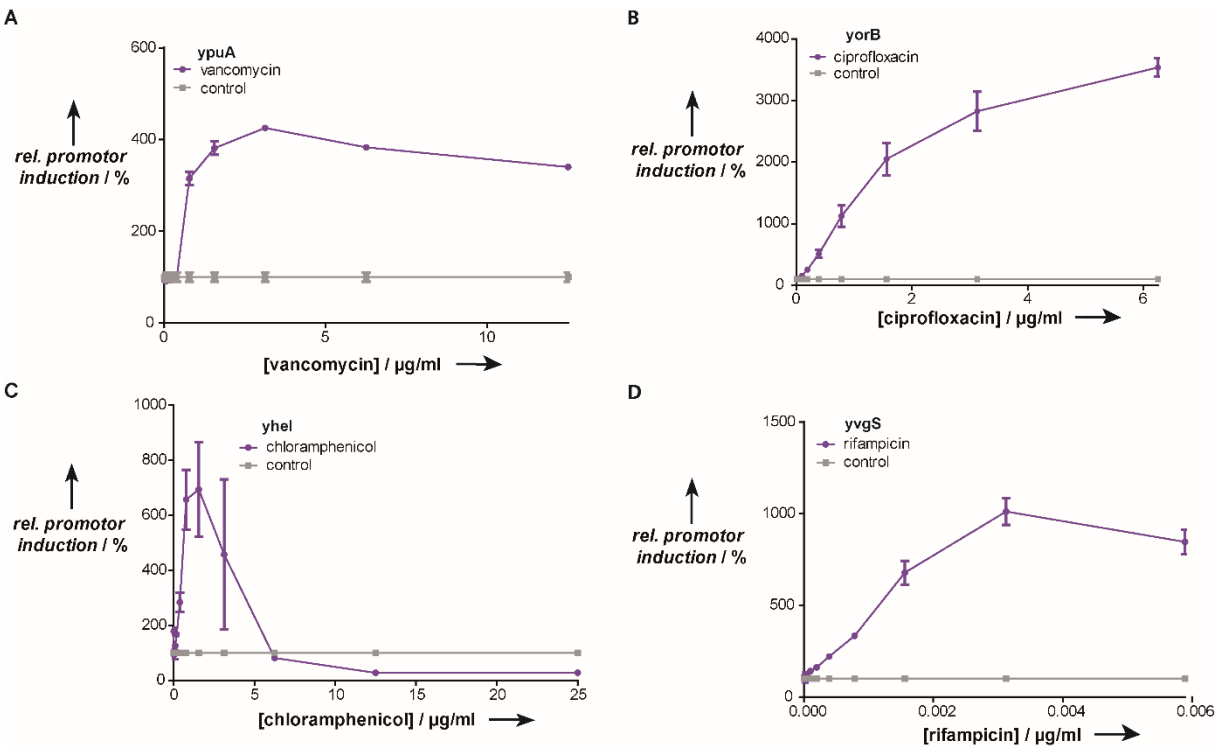

Figure S2: Induction of firefly luciferase being under the control of stress inducible promotors in *B. subtilis* A-D). Strains are incubated in the presence (purple) or absence (grey) of the respective reference antibiotic.

Chemical Defined Medium (CDM)

Chemical defined medium was used to cultivate bacterial cells within this study. The protocol is adapted from [1] and modified so that no glucose was added. Nitrate and amino acids are the energy sources in this medium.

Component	Amount [mg]
Group I	
$FeSO_4$ x 7 H2O	5
$Fe(NO_3)_3$ x 9 H2O	1
$MnSO_4$	5
dissolve in 1 mL H_2O	
Group II A	
L-trypthophan	100
L-cystein	50
dissolve in 1 mL 2 N HCl at 55 °C	
Group IIB	
L- leucine	100
DL-alanine	100
L-isoleucine	100
L-methionine	100
L-threonine	200
L-arginine	100
DL-histidine	100
L-valine	100
L-lysine	100
L-glutamine	100
dissolve in 10 mL H_2O	
Group IIC	
L-asparagine	100
L-phenylalanine	100
L-serine	100
L-proline	100
L-hydroxyproline	100
L-glutamic acid	100
Glycine	100
L-tyrosine	100
dissolve each amino acid in 1 mL 2.5 N NaOH at 55°C	
Group III	
p-aminobenzoic acid	0.2
Biotin	0.2
Folic acid	0.8
Nicotinamid	1
α-NAD	2.5
D-panthoic acid	2
Pyridoxal HCl	1
Pyrodoxamin-di-HCl	1
Riboflavin	2
Thiamine HCl	1
Cobalamine	0.1
dissolve components in 10 mL H_2O and dropwise addition of 2.5 N NaOH until the solution becomes clear	
Group IV	
Adenine	20
Guanine HCl	20
Uracil	20
dissolve in 3 mL 2 N HCl at 90 °C	
Group V	
K_2HPO_4	200
KH_2PO_4	1000
$MgSO_4$ x H_2O	700
$CaCl_2$ x 2 H_2O	7
NaOAc x 3 H_2O	4500
$NaHCO_3$	2500
HEPES	13000
dissolve components in 300 mL H_2O	
H_2O ad 500 mL	

[1] I. van de Rijn, R. E. Kessler, *Infect Immun* **1980**, *27*, 444-448.