

Table S1 Primers used in the RT-qPCR study

Gene description (designation)	Primer sequence
DNA gyrase subunit B (<i>gyrB</i>)	F: GACGTGGTATCCCAGTTGATATT R: ACCATGTAAACCACCAGATACTT
Transglycosylase (<i>sceD</i>)	F: GGTACTAATGGAGCAGACATGAG R: GTGCTTCAACTTCTTGTGATTGT
Cell wall metabolism sensor histidine kinase (<i>walk</i>)	F: GCGCACAATGGTCGTATTTG R: TTCATCCCAATCACCGTCTTC
CDP-diacylglycerol–glycerol-3- phosphate 3- phosphatidyltransferase (<i>pgsA</i>)	F: GCCAGAGAATTTGCCGTAAC R: CCAATGGATCACCTAATAAC
ATP-dependent Clp protease ATP-binding subunit (<i>clpX</i>)	F: GTGGTGCCTTTGATGGTATTG R: CTGGGCGAATTTGTGCTAATAA
Two-component sensor histidine kinase (<i>vraS</i>)	F: AGAACCACCATTAGACCAACAA R: AGCAAAGCACGCATTTCTTAAC
D-Alanine–poly(phosphoribitol) ligase subunit 1 (<i>dltA</i>)	F: TCCCAAGTGCGACGATTTAC R: CTTTCAACGCCAACAGGTAATG
Bifunctional lysyl-phosphatidylglycerol flippase/synthetase (<i>mprF</i>)	F: CAATGGTTAGACCACCCGATAA R: CGTCAACAATTACACCACAGAAA

Table S2. Fold change in the gene expression of GAU-S and GAU-R during growth phases

Gene	Fold change GAU-S Mid-log vs GAU-S Late-Exp	P value GAU-S Mid-log vs GAU-S Late- Exp	Fold change GAU-S Late- Exp vs GAU- S stationary	P value GAU-S Late- Exp vs GAU- S stationary	Fold change GAU-S Mid-log vs GAU-S stationary	P value GAU-S Mid-log vs GAU-S stationary	Fold change GAU-R Mid-log vs GAU-R Late-Exp	P value GAU-R Mid-log vs GAU-R Late-Exp	Fold change GAU-R Late- Exp vs GAU- R stationary	P value GAU-R Late-Exp vs GAU-R stationary	Fold change GAU-R Mid-log vs GAU-R stationary	P value GAU-R Mid-log vs GAU-R stationary
<i>vraS</i>	1,246 down	0.105722	1,112 down	0.232520	1,387 down	0.034592	1,097 up	0.369732	10,22 down	0.000007	9,319 down	0.002269
<i>mprF</i>	1,328 up	0.045860	4,629 up	0.018009	6,149 up	0.015098	1,108 up	0.277999	1,554 down	0.016026	1,402 down	0.002100
<i>sceD</i>	1,527 down	0.337240	1,952 down	0.007955	2,983 down	0.117119	3,817 up	0.002775	5,036 down	0.002181	1,319 down	0.040017
<i>dltA</i>	2,074 up	0.000181	1,018 down	0.553286	2,035 up	0.000228	1,089 up	0.068296	6,554 down	0.000085	6,016 down	0.000003
<i>walK</i>	2,144 up	0.000342	1,237 up	0.006604	2,653 up	0.000273	1,763 up	0.001434	1,398 down	0.014999	1,261 up	0.039324
<i>pgsA</i>	1,258 up	0.105264	1,065 up	0.491694	1,342 up	0.064047	3,09 up	0.015388	21,49 down	0.005809	6,955 down	0.000177
<i>clpX</i>	2,166 up	0.000078	1,339 down	0.011037	1,617 up	0.007103	3,56 up	0.000188	27,326 down	0.000070	7,674 down	0.000100