

Table S3. Intracellular metabolite estimation in *S. aureus cymR* mutant strain compared to SH1000.

Metabolite	Strain	SH1000	SA17 <i>cymR</i>	<i>cymR</i>/SH1000 ratio
Aspartate		4785	6298	1.3
Glutamate		6587	1617	0.25
Cysteine		18.5	1270	68
Proline		1674	1900	1.1
Glycine		337	253.5	0.75
Alanine		935	968	1
Valine		341	268	0.8
Cystine		37	71	1.9
Homocysteine		15.5	91	5.8
Methionine		32	52	1.60
Cystathionine		15.5	29	1.85
Isoleucine		182	149	0.8
Leucine		809	673	0.8
Tyrosine		45	57	1.3
Phenylalanine		200	177	0.9
NH ₃		373	384	1
Lysine		277	279	1
Histidine		31	36	1.1

Intracellular metabolite concentrations given in μM are mean values of at least 4 independent experiments with *S. aureus* strains grown in TSB medium supplemented with 2 mM cystine. Standard deviations were less than 15% of the mean.