Table S1. ANI values among tested strains

	S. aureus 35 G	*S. aureus* 36 G	*S. aureus* 39 G	*S. aureus* 45 G	*S. aureus* 47G
S. aureus **35 G**	100	98.84	99.96	98.83	98.85
S. aureus **36 G**	98.84	100	98.85	98.91	98.78
S. aureus **39 G**	99.96	98.85	100	98.87	98.96
S. aureus **45 G**	98.83	98.91	98.87	100	98.88
S. aureus **47 G**	98.85	98.78	98.96	98.88	100

Table S2. Statistical significance between expressions after exposure to tested stressor among each strains based on Kruskal-Wallis ANOVA test.

stress factors	35G	39G	36G	45G	47G
pH=9.6	0.00273	0.001872	na	na	0.00511
pH=4.5	0.002808	0.001872	na	na	0.003129
4.5% NaCl	0.002063	0.002041	na	na	0.00267

na- not applicable , $p<0.05$

Table S3. Statistical significance between expressions each genes after exposure to tested stressor based on Kruskal-Wallis ANOVA test.

Gene	*p*-value
sea	0.06081
seg	0.019734*
sei	0.003207*
selm	0.000288*
seln	0.024283*
selo	0.000215*
selu	0.101489
selp	0.84896

*significant differences, $p<0.05$