

**Table S1: Relative expression of *mecR1* in *S. aureus* & MRSA**

genes	conditions	expression fold changes	standard deviation	student t-tails	P-values
<b><i>mecR1</i> <i>S. aureus</i></b>	<b>Control</b>	1.0000	0		
	<b>1/8 MIC</b>	0.62130	0.348110	0.045633735	<b>&lt; 0.05</b>
	<b>¼ MIC</b>	0.51237	0.467902	0.0310790542	<b>&lt; 0.05</b>
	<b>½ MIC</b>	0.34278*	1.153423	0.0213530425	<b>&lt; 0.05</b>
<b><i>mecR1</i> MRSA</b>	<b>Negative Control</b>	1.000	0		
	<b>1/8 MIC</b>	0.5678911	0.98367	0.020255842	<b>&lt;0.05</b>
	<b>¼ MIC</b>	0.4997364	0.2539	0.057644351	<b>&lt;0.05</b>
	<b>½ MIC</b>	0.312578*	1.8593	0.023103282	<b>&lt;0.05</b>

**Table S2: Relative expression of *blaZ* in *S. aureus* & MRSA**

genes	conditions	Expression fold changes	standard deviation	student t-tails	P-values
<b><i>blaZ</i> <i>S. aureus</i></b>	<b>Control</b>	1.0000	0		
	<b>1/8 MIC</b>	0.8168991	0.257102	0.036643835	<b>&lt; 0.05</b>
	<b>¼ MIC</b>	0.402371	0.20679	0.0210790542	<b>&lt; 0.05</b>
	<b>½ MIC</b>	0.35277*	1.1624	0.0214530425	<b>&lt; 0.05</b>
<b><i>BlaZ</i> MRSA</b>	<b>Negative Control</b>	1.000	0		
	<b>1/8 MIC</b>	0.715679	0.88357	0.020305942	<b>&lt;0.05</b>
	<b>¼ MIC</b>	0.314734	0.2439	0.047534351	<b>&lt;0.05</b>
	<b>½ MIC</b>	0.249578*	1.9584	0.032103282	<b>&lt;0.05</b>

**Table S3: Relative expression of *mecA* in *S. aureus* & MRSA**

genes	conditions	Expression fold changes	standard deviation	student t-tails	P-values
<b><i>mecA</i> <i>S. aureus</i></b>	<b>Control</b>	1.0000	0		
	<b>1/8 MIC</b>	0.9116978	0.118102	0.032147514	<b>&lt; 0.05</b>
	<b>¼ MIC</b>	0.701591	0.23870	0.0120680431	<b>&lt; 0.05</b>
	<b>½ MIC</b>	0.52367*	1.4624	0.0274622136	<b>&lt; 0.05</b>
<b><i>mecA</i> MRSA</b>	<b>Negative Control</b>	1.000	0		
	<b>1/8 MIC</b>	0.803088	0.79224	0.019424831	<b>&lt;0.05</b>
	<b>¼ MIC</b>	0.5997412	0.29813	0.036433480	<b>&lt;0.05</b>
	<b>½ MIC</b>	0.298457*	1.9547	0.023224363	<b>&lt;0.05</b>

**Table S4: Relative expression of *blaR1* in *S. aureus* & MRSA**

genes	conditions	Expression fold changes	standard deviation	student t-tails	P-values
<b><i>blaR1</i> <i>S. aureus</i></b>	<b>Control</b>	1.0000	0		
	<b>1/8 MIC</b>	0.7006872	0.198223	0.0266438351	<b>&lt; 0.05</b>
	<b>¼ MIC</b>	0.3124392*	1.912596	0.0191870634	<b>&lt; 0.05</b>
	<b>½ MIC</b>	0.210361*	1.2366	0.0332602018	<b>&lt; 0.05</b>
<b><i>blaR1</i> MRSA</b>	<b>Negative Control</b>	1.000	0		
	<b>1/8 MIC</b>	0.6033482	0.423604	0.044652721	<b>&lt;0.05</b>
	<b>¼ MIC</b>	0.237661*	1.4206	0.022105576	<b>&lt;0.05</b>
	<b>½ MIC</b>	0.1897649*	1.7949	0.024361938	<b>&lt;0.05</b>