

S5 Table: *S. aureus* transposon mutants that were significantly depleted or enriched in a murine pneumonia model

locus	log2 FC	p-val.	adj. p-val.	product	gene
RSAU_000335	-4.89	0.000	0.000	bifunctional GMP synthase/glutamine amidotransferase protein	<i>guaA</i>
RSAU_002354	-3.99	0.004	0.090	hypothetical protein	
RSAU_000347	-3.97	0.004	0.090	hypothetical protein	
RSAU_000919	-3.97	0.004	0.090	hypothetical protein	
RSAU_001762	-3.82	0.000	0.011	type 1 glutamine amidotransferase (GATase1)-like protein	
RSAU_000524	-3.76	0.010	0.093	hexulose-6-phosphate synthase, putative	<i>hps</i>
RSAU_002139	-3.69	0.005	0.090	hypothetical protein	
RSAU_002284	-3.66	0.004	0.090	major facilitator superfamily drug transporter, putative	
RSAU_000898	-3.58	0.006	0.090	hypothetical protein	
RSAU_002181	-3.48	0.000	0.011	CorA-like Mg2 transporter protein	
RSAU_000034	-3.37	0.007	0.090	putative transposase	
RSAU_001071	-3.12	0.010	0.093	YlmG membrane protein	<i>ylmG</i>
RSAU_002127	-3.12	0.008	0.090	urease accessory protein UreD, putative	<i>ureD</i>
RSAU_000072	-2.77	0.009	0.093	lucC family siderophore biosynthesis protein	<i>sbnC</i>
RSAU_000130	-2.15	0.008	0.090	non-ribosomal peptide synthetase, putative	<i>ausA</i>
RSAU_003007	-2.05	0.010	0.093	<i>ssr42</i>	<i>ssr42</i>
RSAU_000802	3.30	0.007	0.090	5'-nucleotidase, putative	
RSAU_001966	3.53	0.008	0.090	DNA-directed RNA polymerase, delta subunit	<i>rpoE</i>
RSAU_000703	4.10	0.007	0.090	7-cyano-7-deazaguanine reductase	<i>queF</i>