

**S4 Table. The ratio of S-F to S-D minimal inhibitory concentration in *tolC* and *lptD* strain background was not significantly changed.**

experiment 1	wt	<i>tolC</i>	<i>lptD</i>
S-F	2	2	1
S-D	0.5	0.25	0.125
S-F:S-D ratio	4	8	8

experiment 2	wt	<i>tolC</i>	<i>lptD</i>
S-F	4	2	0.5
S-D	0.5	0.25	0.0625
S-F:S-D ratio	8	8	8

Modal MIC in  $\mu\text{M}$  values for three (experiment 1) or four technical replicates (experiment 2). The similarity of ratios between S-F and S-D suggested that there was not a significant difference in either efflux (*tolC*) or permeability (*lptD*) between these two streptothricins by these measures. Abbreviations: **wt** = *E. coli* strain BW25113 from the Coli Genetics Stock Center (CGSC, Yale University) # 7636; ***tolC*** = *E. coli* strain JW5503-KanS, CGSC # 14206; ***lptD*** = *E. coli* strain RFM795, CGSC # 14179.