

Supplementary Table 1. Comparison of diseases caused by isolates carrying *exoS* and those carrying *exoU*

	<i>exoS</i> (n=7)	<i>exoU</i> (n=10)	P value	Odds ratio (95% C.I.)
Bloody/mucoid stool	2 (29%)	4 (40%)	1.000	1.67 (0.21-13.22)
Shock	6 (86%)	6 (60%)	0.338	0.25(0.02-2.95)
Necrotizing enteritis	5 (71%)	8 (80%)	1.000	1.60 (0.17-15.27)
Bowel perforation	2 (29%)	3 (30%)	1.000	1.07 (0.13-8.98)
Ecthyma gangrenosum	4 (57%)	5 (50%)	1.000	0.75 (0.11-5.24)
Seizure	3 (44%)	2 (20%)	0.593	0.33 (0.04-2.87)
Mortality	2 (29%)	2 (20%)	1.000	1.60 (0.17-15.27)

Data are number (%)

Supplementary Figure 1. Minimum spanning tree of isolates from Shanghai fever by MLST. Circles represent STs and size of circle is associated with number of isolates. Blue line represent 3 locus variants, green lines represent 4 locus variants, red dotted lines represent 5 locus variants, and purple dotted lines represent 6 locus variants. STs of PAO1, PA103 and PA14 are shown for comparison. Isolates belonged to ST244, ST1025, and ST 1026 carry *exoS*, isolates belonged to other STs carry *exoU*. Isolates carrying *exoS* are more homogeneous. Shanghai fever is not caused by a single clone of *P. aeruginosa*.

