

Table S1. Sequences used in analyses.

Ingroup species	Accession numbers	Outgroup species	Accession number	Blastclust Parameters (L-S)
<i>Burkholderia pseudomallei</i>	NC_009076, NC_007434, NC_009074, NC_006350	<i>B. thailandensis</i>	NC_007651	0.9-1.75
<i>Campylobacter jejuni</i>	NC_003912, NC_008787, NC_002163	<i>C. fetus</i>	NC_008599	0.5-0.5
<i>Chlamydophila pneumoniae</i>	NC_002179, NC_000922, NC_002491, NC_005043	<i>C. felis</i>	NC_007899	0.5-0.5
<i>Ehrlichia ruminantium</i>	NC_005295, NC_006831, NC_006832	<i>E. chaffeensis</i>	NC_007799	0.5-1
<i>Helicobacter pylori</i>	NC_000915, NC_008086, NC_000921	<i>H. acinonychis</i>	NC_008229	0.5-1
<i>Neisseria meningitidis</i>	NC_008767, NC_003112, NC003116	<i>N. gonorrhoeae</i>	NC_002946	0.9-1.75
<i>Pseudomonas syringae</i>	NC_005773, NC_007005, NC_004578	<i>P. fluorescens</i>	NC_004129	0.9-1.75
<i>Shigella flexneri</i>	NC_004741, NC_004337, NC_008258	<i>S. sonnei</i>	NC_007384	0.9-1.75
<i>Staphylococcus aureus</i>	NC_007622, NC_002951, NC_002952, NC_002953, NC_003923, NC_002758, NC_002745, NC_007795, NC_007793	<i>S. epidermidis</i>	NC_004461	0.5-1
<i>Streptococcus pneumoniae</i>	NC_008533, NC_003098, NC_003028	<i>S. sanguinis</i>	NC_009009	0.5-1
<i>Streptococcus pyogenes</i>	NC_002737, NC_008022, NC_008024, NC_008023, NC_004070,	<i>S. agalactiae</i>	NC_004368	0.5-1

	NC_007297, NC_007296, NC_003485, NC_008021, NC_004606, NC_009332, NC_004368			
<i>Yersinia pestis</i>	NC_008150, NC_003143, NC_004088, NC_008149, NC_005810	<i>Y. pseudotuberculosis</i>	NC_006155	0.9-1.75