

Table S1. Housekeeping genes used for phylogenetic analysis.

Gene abbr.	Product
<i>ackA</i>	Acetate kinase
<i>aspS</i>	Aspartyl-tRNA synthetase
<i>cysS</i>	Cysteinyl-tRNA synthetase
<i>ddl</i>	D-alanyl-D-alanine synthetase A
<i>dnaK</i>	chaperone DnaK
<i>dnaX</i>	DNA polymerase III subunits γ and τ
<i>eno</i>	Enolase
<i>frr</i>	Ribosome recycling factor
<i>ftsZ</i>	Cell division protein FtsZ
<i>fusA</i>	Elongation factor G
<i>glmS</i>	Glucosamine-fructose-6-phosphate aminotransferase
<i>groL</i>	Chaperonin GroEL
<i>groS</i>	Co- chaperonin GroES
<i>gyrA</i>	DNA gyrase subunit A
<i>holA</i>	DNA polymerase III subunit δ
<i>ldh2</i>	Lactate dehydrogenase
<i>ligA</i>	DNA ligase
<i>murA</i>	UDP-N-acetylglucosamine 1-carboxyvinyltransferase
<i>murC</i>	UDP-N-acetylmuramate-alanine ligase
<i>murE</i>	UDP-N-acetylmuramoylalanyl-D-glutamate-2, 6-diaminopimelate ligase
<i>murI</i>	Glutamate racemase
<i>pgm</i>	Phosphoglucomutase
<i>polA</i>	DNA polymerase I
<i>ppa</i>	Inorganic pyrophosphatase
<i>prfA</i>	Protein releasing factor
<i>proS</i>	Prolyl-tRNA synthetase
<i>purA</i>	Adenylosuccinate synthetase
<i>purB</i>	Adenylosuccinate lyase
<i>purF</i>	Glutamine phosphoribosylpyrophosphate amidotransferase
<i>purH</i>	Bifunctional 5'-phosphoribosyl 5-aminoimidazole-4-carboxamide transformylase-IMP cyclohydrolase
<i>pyrK</i>	Dihydroorotate dehydrogenase electron transfer subunit
<i>recA</i>	Recombinase A
<i>rho</i>	Transcription termination factor Rho
<i>rplY</i>	50S ribosomal protein L25
<i>rpoA</i>	DNA-directed RNA polymerase subunit α
<i>rpoC</i>	DNA-directed RNA polymerase subunit β'
<i>rpoD</i>	RNA polymerase σ factor
<i>rpoZ</i>	DNA-directed RNA polymerase subunit ω
<i>rpsO</i>	30S ribosomal protein S15
<i>tig</i>	Trigger factor
<i>tkt</i>	Transketolase
<i>topA</i>	DNA topoisomerase I
<i>trpS</i>	Tryptophanyl-tRNA synthetase