



**Figure S1.** Phylogenetic tree of mollicutes. The phylogenetic tree was generated using the maximum likelihood method from the concatenated multiple sequence alignments of selected 79 orthologous protein involved in translation as described in Grosjean et al. 2014. Main phylogenetic groups are indicated, S, Spiroplasma, H, Hominis, P, Pneumoniae, AAP, Acholeplasma/Phytoplasma. The so-called Mycoides cluster (Mc) includes 5 ruminant mycoplasmas. *B. subtilis* was used as an outgroup.