

Supplementary Information

The SET- and Ankyrin domains of the secreted *Legionella pneumophila* histone methyltransferase work together to modify host chromatin

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Figure S1: Fo-DFc electron density map around the peptide (P1) contoured at 0.8 sigma.

Figure S2: Phylogenetic tree of the ank domain encoded by the protein RomA (Lpp1683) and selected homologs.

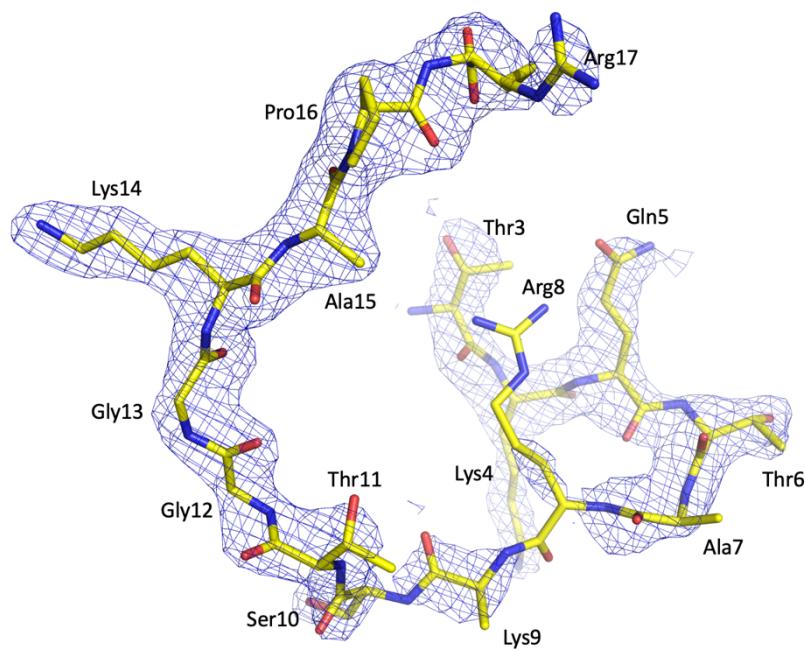


Figure S1: Fo-DFc electron density map around the peptide (P1) contoured at 0.8 sigma. The 2Fo-DFc electron density map contoured at 1.0 sigma level superposed on the stick representation of the peptide P1. The side chain of Lys9 is disordered while Arg8 could be traced at a lower contour level. The electron density for all other residues is well defined.

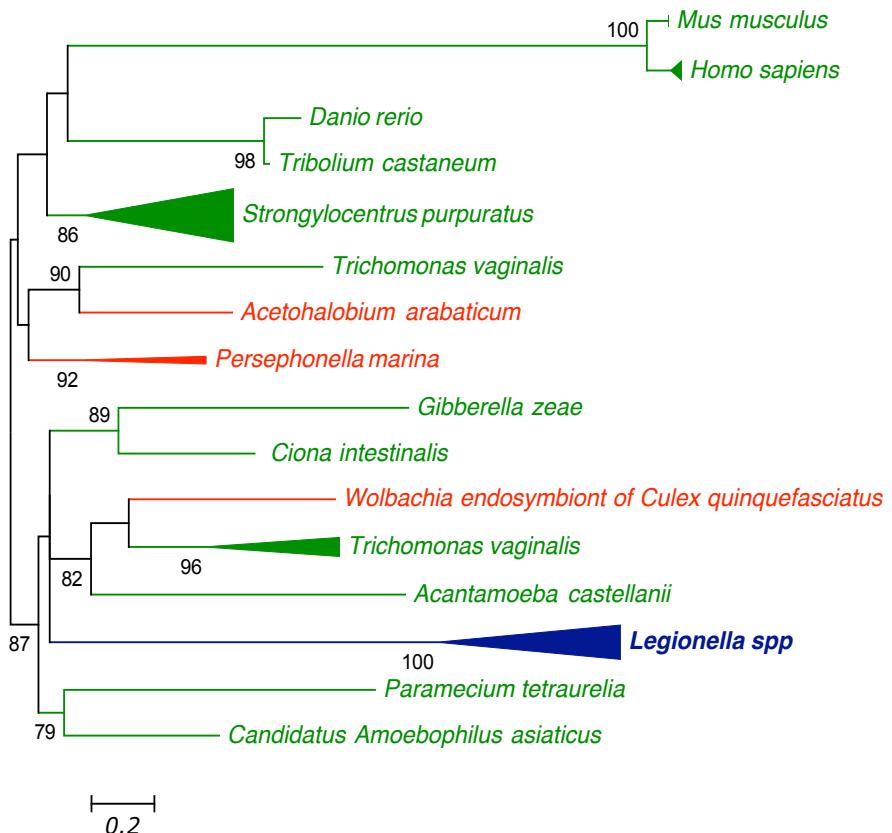


Figure S2: Phylogenetic tree of the ank domain encoded by the protein RomA (Lpp1683) and selected homologs. The Ank domain of RomA seems to have been acquired by horizontal gene transfer from a eukaryotic host. Names in green and red correspond to eukaryotic and prokaryotic organisms, respectively. Values adjacent to nodes represent local support values.