Marine amoebae with cytoplasmic and perinuclear symbionts deeply branching in the *Gammaproteobacteria*

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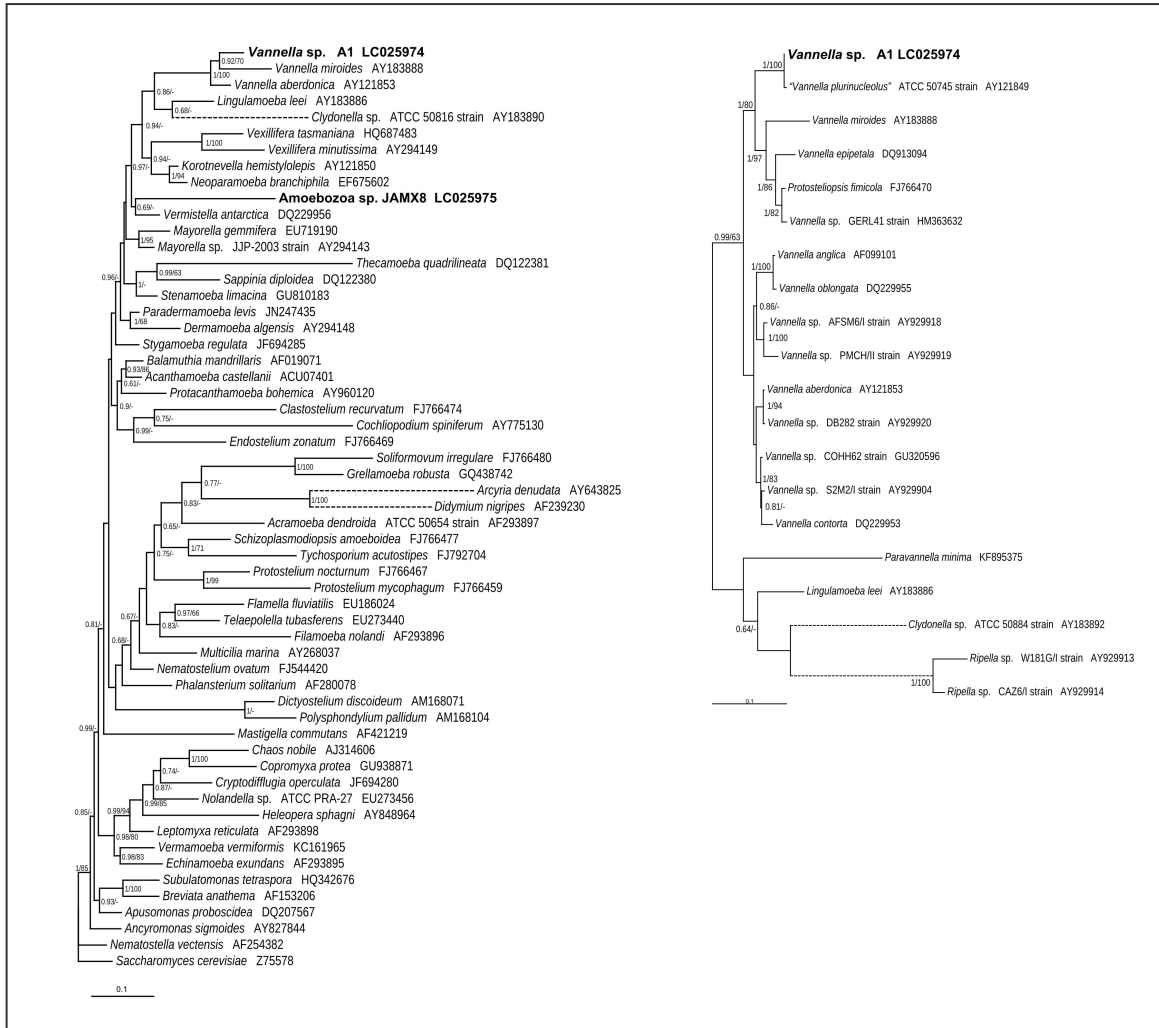
Supplementary Material

Figure S1. Phylogenetic relationships of *Vannella* sp. A1 and amoeba isolate JAMX8 within the Amoebozoa. Phylogenetic 18S rRNA-based trees of the Amoebozoa (left panel) and Vannellidae (right panel) constructed using the Bayesian inference method. Bayesian posterior probabilities 8 (> 0.6) and RaxML bootstrap support values (> 60%) are indicated at the nodes; the dashed line indicates a branch shortened by 50% to enhance clarity.
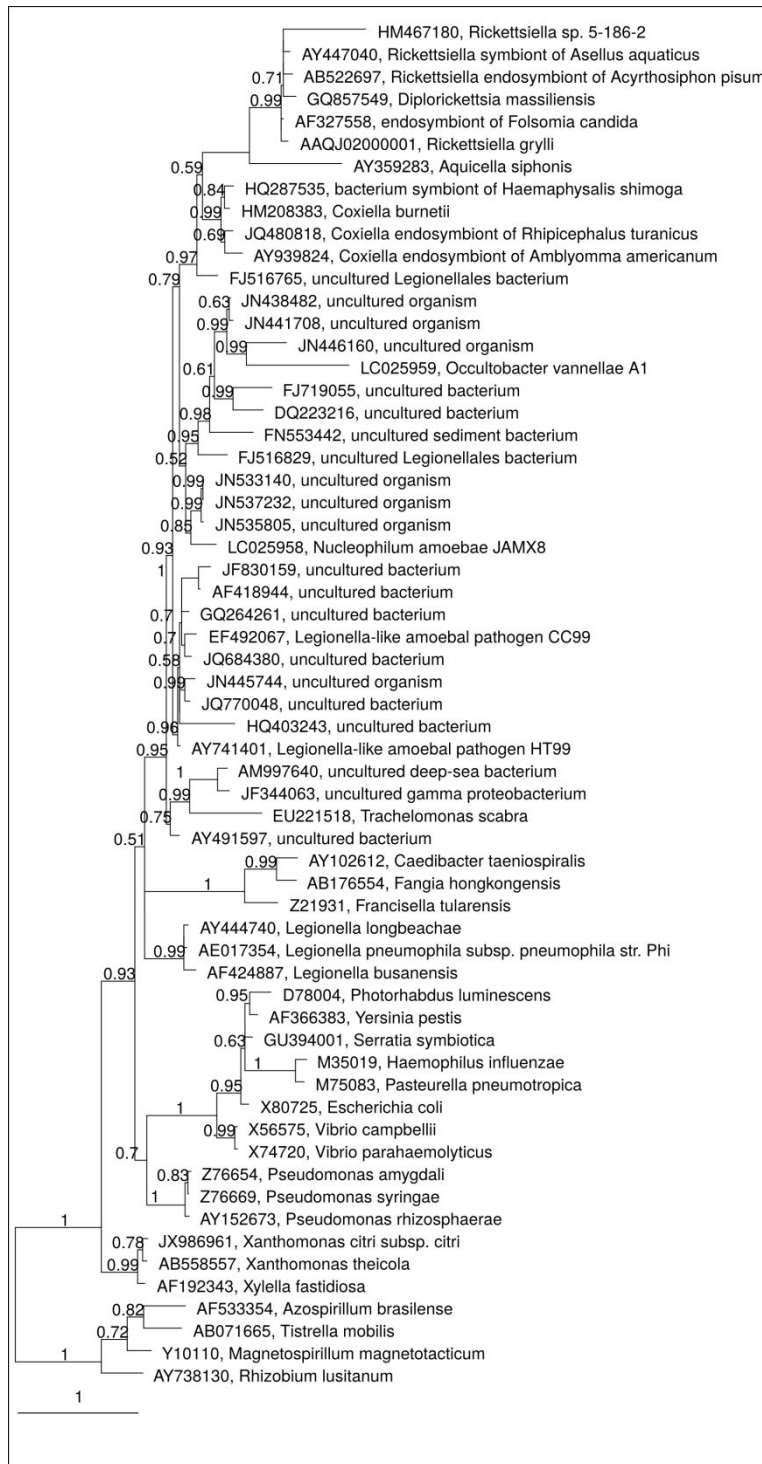
**Figure S2. Phylogenetic relationship of 'Candidatus Occultobacter vannellae' and
'Candidatus Nucleophilum amoebae' with the Gammaproteobacteria.** The
phylogenetic tree (Phylobayes, CAT+GTR) is based on the 16S rRNA sequences,
Bayesian posterior probabilities are indicated at the nodes.