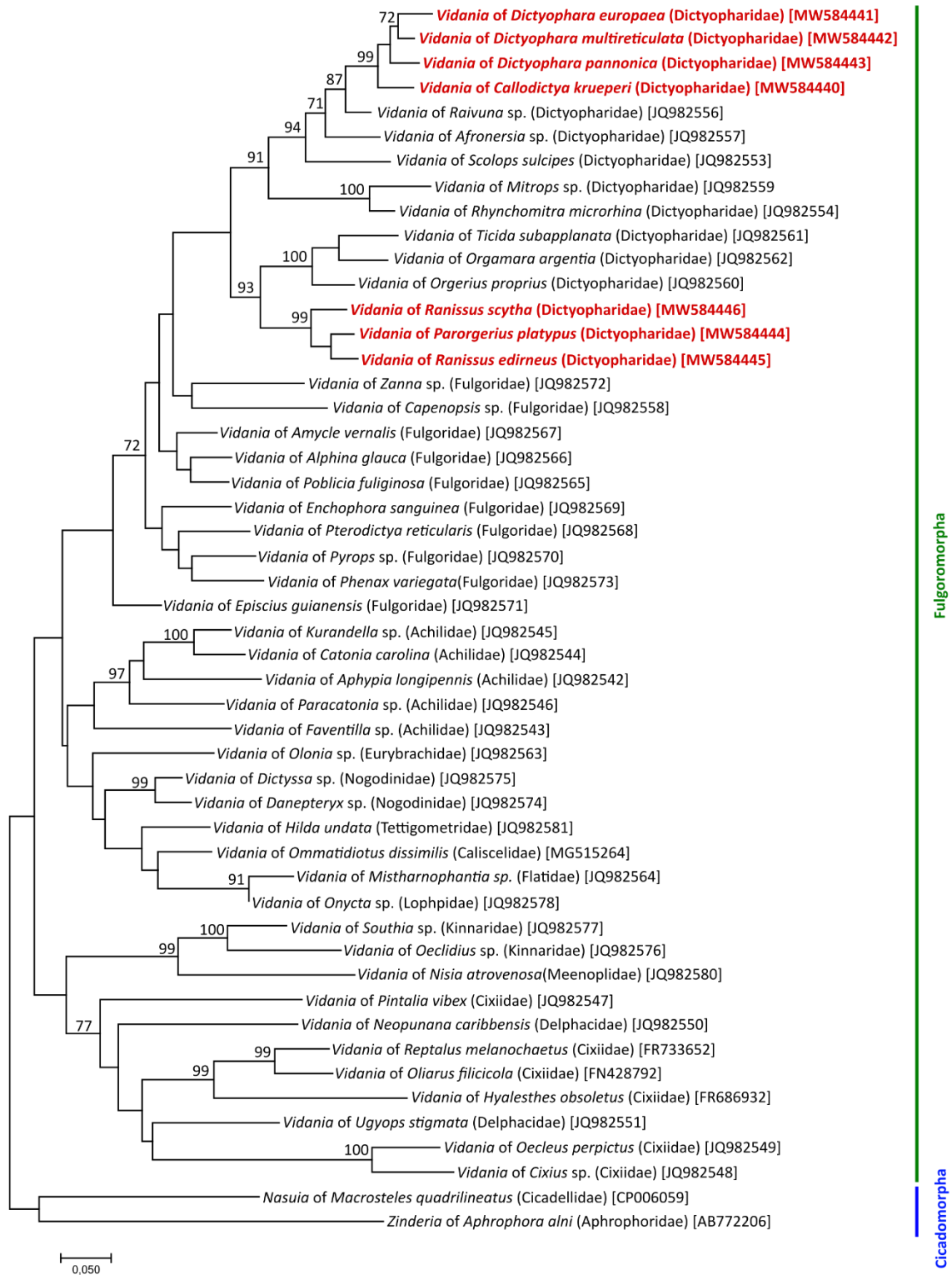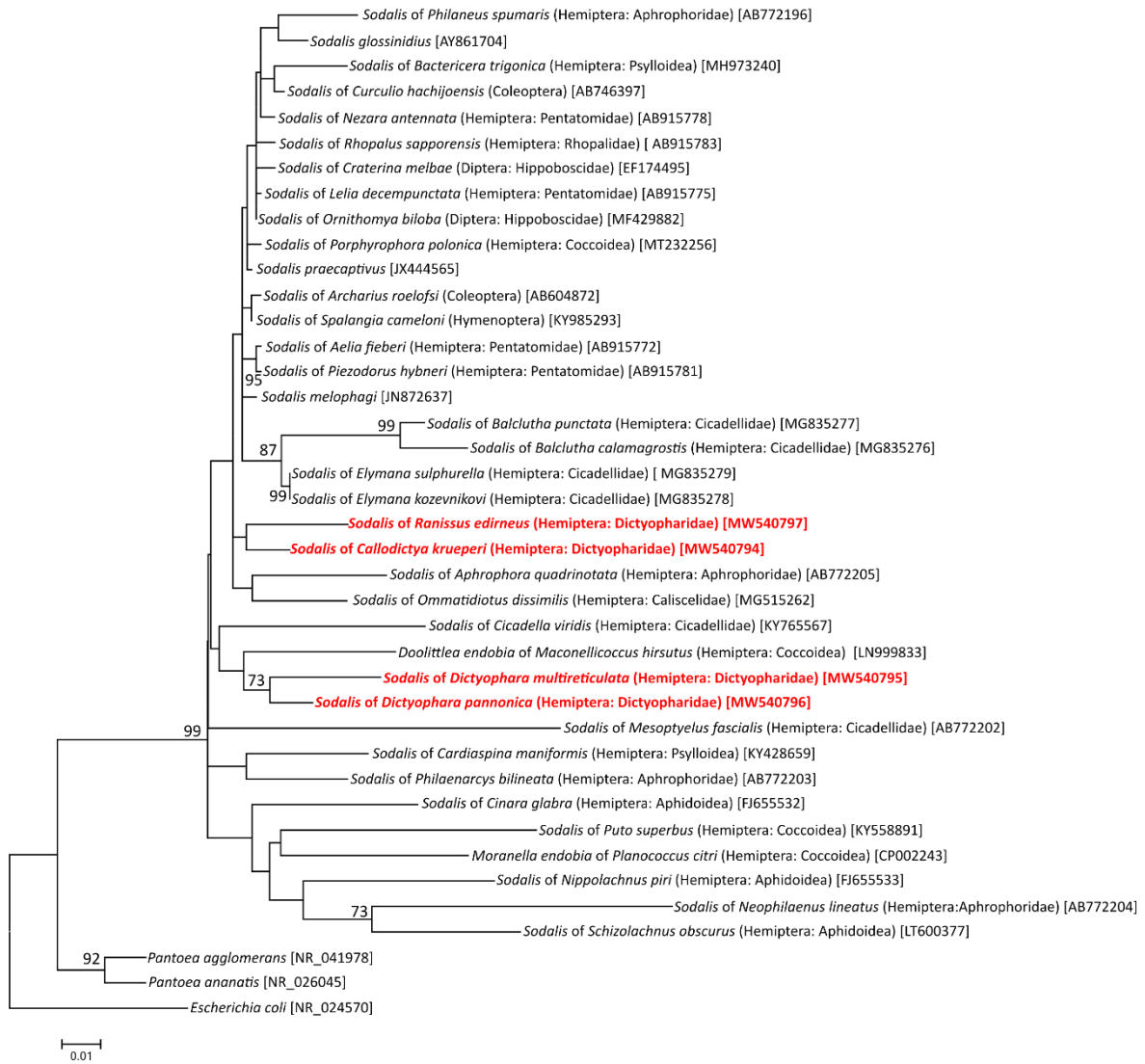**Fig. S1A.** ML phylogeny of *Sulcia* strains from diverse planthoppers, based on full-length sequences (1373 shared nucleotide positions) of 16S rRNA gene. Only bootstrap values above 70% are shown. Sequences from the seven Dictyopharidae species studied here are highlighted using the colored font.
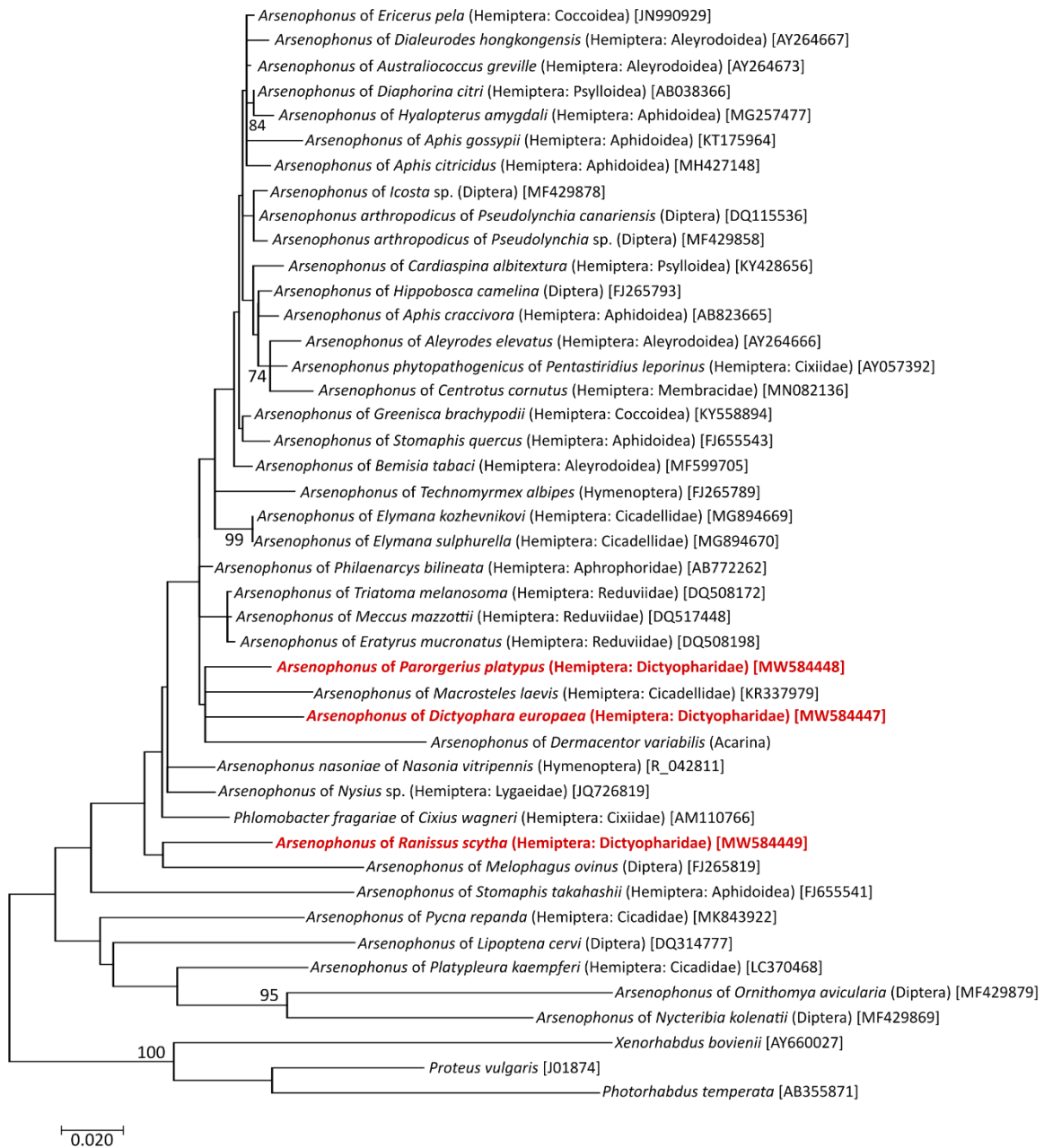
Fig. S1B. ML phylogeny of *Vidania* strains from diverse planthoppers based on full-length sequences (1530 shared nucleotide positions) of 16S rRNA gene. Only bootstrap values above 70% are shown. Sequences from the seven Dictyopharidae species studied here are highlighted using the colored font.

Sodalis of *Philaneus spumaris* (Hemiptera: Aphrophoridae) [AB772196]
Sodalis glossinidius [AY861704]
Sodalis of *Bactericera trigonica* (Hemiptera: Psylloidea) [MH973240]
Sodalis of *Curculio hachijoensis* (Coleoptera) [AB746397]
Sodalis of *Nezara antennata* (Hemiptera: Pentatomidae) [AB915778]
Sodalis of *Rhopalus sapporensis* (Hemiptera: Rhopalidae) [AB915783]
Sodalis of *Craterina melbae* (Diptera: Hippoboscidae) [EF174495]
Sodalis of *Lelia decempunctata* (Hemiptera: Pentatomidae) [AB915775]
Sodalis of *Ornithomya biloba* (Diptera: Hippoboscidae) [MF429882]
Sodalis of *Porphyrophora polonica* (Hemiptera: Coccoidea) [MT232256]
Sodalis praecaptivus [JX444565]
Sodalis of *Archarius roelofsi* (Coleoptera) [AB604872]
Sodalis of *Spalangia cameloni* (Hymenoptera) [KY985293]
Sodalis of *Aelia fieberi* (Hemiptera: Pentatomidae) [AB915772]
95 *Sodalis* of *Piezodorus hybneri* (Hemiptera: Pentatomidae) [AB915781]
Sodalis melophagi [JN872637]
99 *Sodalis* of *Balclutha punctata* (Hemiptera: Cicadellidae) [MG835277]
87 *Sodalis* of *Balclutha calamagrostis* (Hemiptera: Cicadellidae) [MG835276]
Sodalis of *Elymana sulphurella* (Hemiptera: Cicadellidae) [MG835279]
99 *Sodalis* of *Elymana kozevnikovi* (Hemiptera: Cicadellidae) [MG835278]
Sodalis* of *Ranissus edirneus* (Hemiptera: Dictyopharidae) [MW540797]
Sodalis* of *Callodictya krueperi* (Hemiptera: Dictyopharidae) [MW540794]
Sodalis of *Aphrophora quadrinotata* (Hemiptera: Aphrophoridae) [AB772205]
Sodalis of *Ommatidiotus dissimilis* (Hemiptera: Caliscelidae) [MG515262]
Sodalis of *Cicadella viridis* (Hemiptera: Cicadellidae) [KY765567]
Doolittlea endobia of *Maconellicoccus hirsutus* (Hemiptera: Coccoidea) [LN999833]
73 **Sodalis* of *Dictyophara multireticulata* (Hemiptera: Dictyopharidae) [MW540795]**
Sodalis* of *Dictyophara pannonica* (Hemiptera: Dictyopharidae) [MW540796]
Sodalis of *Mesoptyelus fascialis* (Hemiptera: Cicadellidae) [AB772202]
99 *Sodalis* of *Cardiaspina maniformis* (Hemiptera: Psylloidea) [KY428659]
Sodalis of *Philaenarcys bilineata* (Hemiptera: Aphrophoridae) [AB772203]
Sodalis of *Cinara glabra* (Hemiptera: Aphidoidea) [FJ655532]
Sodalis of *Puto superbus* (Hemiptera: Coccoidea) [KY558891]
Moranella endobia of *Planococcus citri* (Hemiptera: Coccoidea) [CP002243]
Sodalis of *Nippolachnus piri* (Hemiptera: Aphidoidea) [FJ655533]
73 *Sodalis* of *Neophilaenus lineatus* (Hemiptera:Aphrophoridae) [AB772204]
Sodalis of *Schizolachnus obscurus* (Hemiptera: Aphidoidea) [LT600377]
92 *Pantoea agglomerans* [NR_041978]
Pantoea ananatis [NR_026045]
Escherichia coli [NR_024570]

0.01

Fig. S1C. ML phylogeny of *Sodalis* strains from different hosts based on 16S rRNA gene sequences. Only bootstrap values above 70% are shown.

Fig. S1D. ML phylogeny of *Arsenophonus* strains from different hosts based on 16S rRNA gene sequences. Only bootstrap values above 70% are shown.
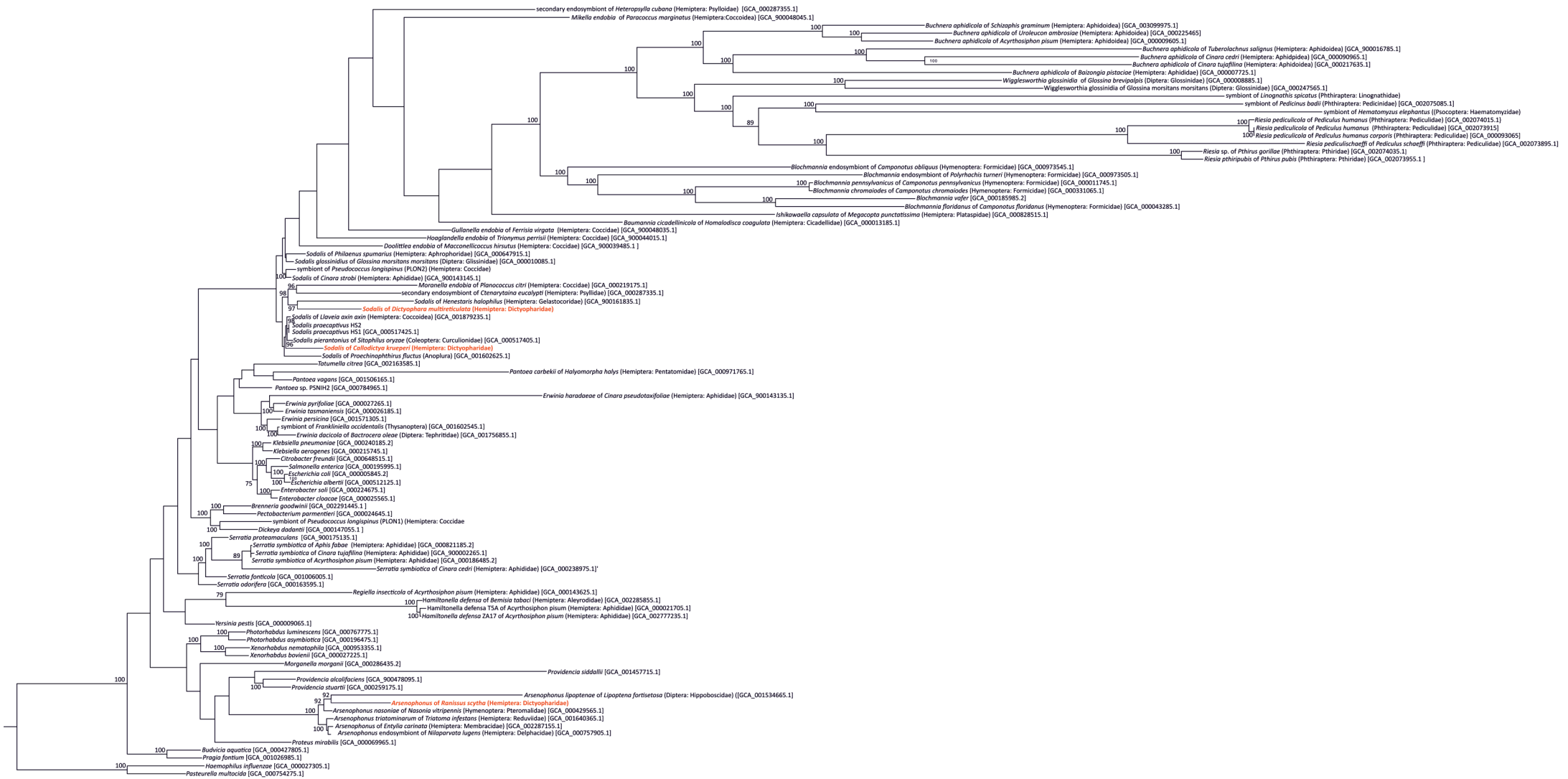
Fig. S1E. ML phylogeny based on 1th and 2th codon positions of 129 conserved single-copy protein-coding genes of symbiotic enterobacteria and relatives. Only bootstrap values above 70% are shown.