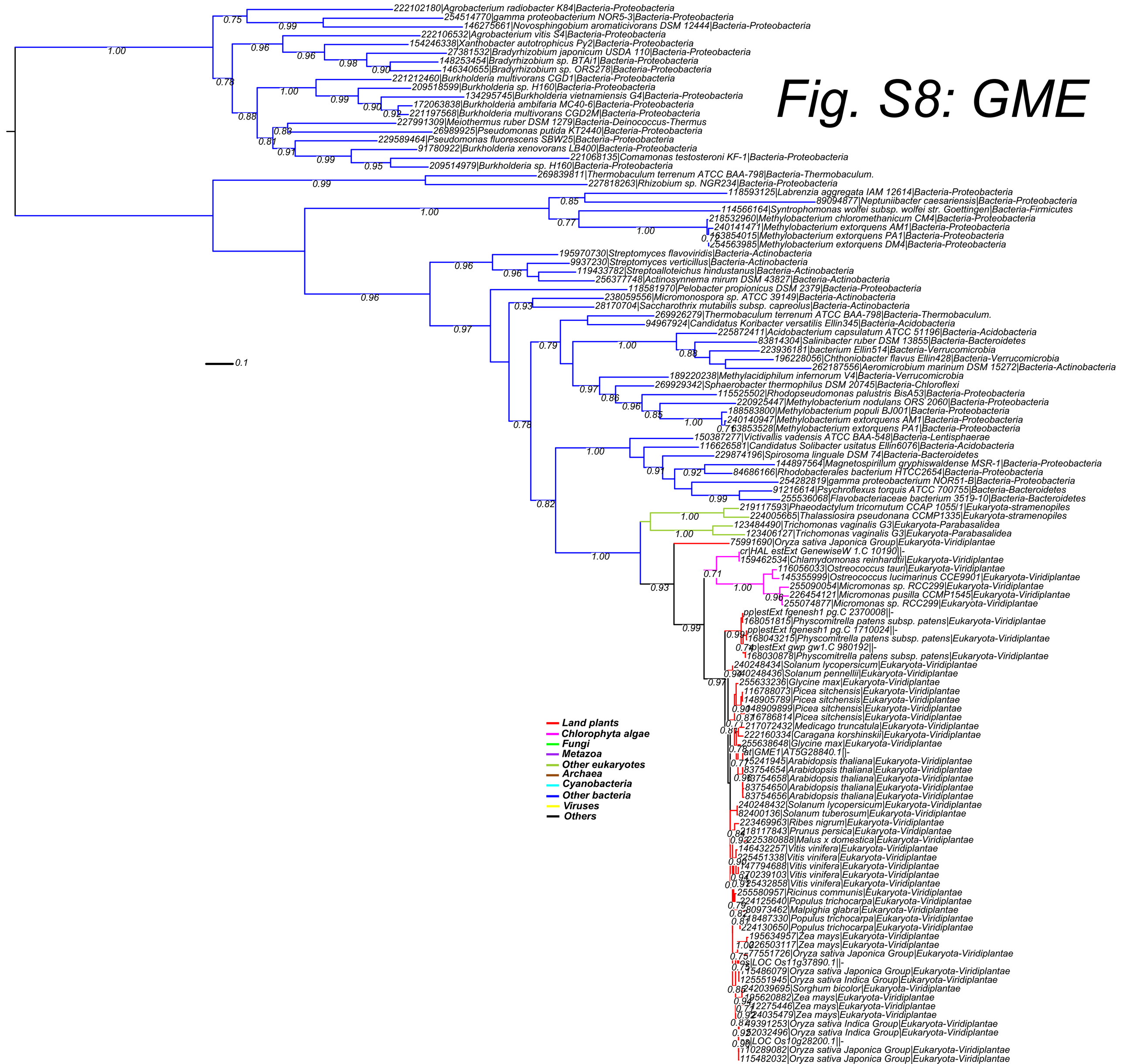
Fig. S8: GME
222102180|Agrobacterium radiobacter K84|Bacteria-Proteobacteria
254514770|gamma proteobacterium NOR5-3|Bacteria-Proteobacteria
146275661|Novosphingobium aromaticivorans DSM 12444|Bacteria-Proteobacteria
222106532|Agrobacterium vitis S4|Bacteria-Proteobacteria
154246338|Xanthobacter autotrophicus Py2|Bacteria-Proteobacteria
27381532|Bradyrhizobium japonicum USDA 110|Bacteria-Proteobacteria
148253454|Bradyrhizobium sp. BTAi1|Bacteria-Proteobacteria
146340655|Bradyrhizobium sp. ORS278|Bacteria-Proteobacteria
221212460|Burkholderia multivorans CGD1|Bacteria-Proteobacteria
209518599|Burkholderia sp. H160|Bacteria-Proteobacteria
134295745|Burkholderia vietnamiensis G4|Bacteria-Proteobacteria
172063838|Burkholderia ambifaria MC40-6|Bacteria-Proteobacteria
221197568|Burkholderia multivorans CGD2M|Bacteria-Proteobacteria
227991309|Meiothermus ruber DSM 1279|Bacteria-Deinococcus-Thermus
26989925|Pseudomonas putida KT2440|Bacteria-Proteobacteria
229589464|Pseudomonas fluorescens SBW25|Bacteria-Proteobacteria
91780922|Burkholderia xenovorans LB400|Bacteria-Proteobacteria
221068135|Comamonas testosteroni KF-1|Bacteria-Proteobacteria
209514979|Burkholderia sp. H160|Bacteria-Proteobacteria
269839811|Thermobaculum terrenum ATCC BAA-798|Bacteria-Thermobaculum.
227818263|Rhizobium sp. NGR234|Bacteria-Proteobacteria
118593125|Labrenzia aggregata IAM 12614|Bacteria-Proteobacteria
89094877|Neptuniibacter caesariensis|Bacteria-Proteobacteria
114566164|Syntrophomonas wolfei subsp. wolfei str. Goettingen|Bacteria-Firmicutes
218532960|Methylobacterium chloromethanicum CM4|Bacteria-Proteobacteria
240141471|Methylobacterium extorquens AM1|Bacteria-Proteobacteria
163854015|Methylobacterium extorquens PA1|Bacteria-Proteobacteria
254563985|Methylobacterium extorquens DM4|Bacteria-Proteobacteria
195970730|Streptomyces flavoviridis|Bacteria-Actinobacteria
9937230|Streptomyces verticillus|Bacteria-Actinobacteria
119433782|Streptoalloteichus hindustanus|Bacteria-Actinobacteria
256377748|Actinosynnema mirum DSM 43827|Bacteria-Actinobacteria
118581970|Pelobacter propionicus DSM 2379|Bacteria-Proteobacteria
238059556|Micromonospora sp. ATCC 39149|Bacteria-Actinobacteria
28170704|Saccharothrix mutabilis subsp. capreolus|Bacteria-Actinobacteria
269926279|Thermobaculum terrenum ATCC BAA-798|Bacteria-Thermobaculum.
94967924|Candidatus Koribacter versatilis Ellin345|Bacteria-Acidobacteria
225872411|Acidobacterium capsulatum ATCC 51196|Bacteria-Acidobacteria
83814304|Salinibacter ruber DSM 13855|Bacteria-Bacteroidetes
223936181|bacterium Ellin514|Bacteria-Verrucomicrobia
196228056|Chthoniobacter flavus Ellin428|Bacteria-Verrucomicrobia
262187556|Aeromicrobium marinum DSM 15272|Bacteria-Actinobacteria
189220238|Methylacidiphilum infernorum V4|Bacteria-Verrucomicrobia
269929342|Sphaerobacter thermophilus DSM 20745|Bacteria-Chloroflexi
115525502|Rhodopseudomonas palustris BisA53|Bacteria-Proteobacteria
220925447|Methylobacterium nodulans ORS 2060|Bacteria-Proteobacteria
188583800|Methylobacterium populi BJ001|Bacteria-Proteobacteria
240140947|Methylobacterium extorquens AM1|Bacteria-Proteobacteria
163853528|Methylobacterium extorquens PA1|Bacteria-Proteobacteria
150387277|Victivallis vadensis ATCC BAA-548|Bacteria-Lentisphaerae
116626581|Candidatus Solibacter usitatus Ellin6076|Bacteria-Acidobacteria
229874196|Spirosoma linguale DSM 74|Bacteria-Bacteroidetes
144897564|Magnetospirillum gryphiswaldense MSR-1|Bacteria-Proteobacteria
84686166|Rhodobacterales bacterium HTCC2654|Bacteria-Proteobacteria
254282819|gamma proteobacterium NOR51-B|Bacteria-Proteobacteria
91216614|Psychroflexus torquis ATCC 700755|Bacteria-Bacteroidetes
255536068|Flavobacteriaceae bacterium 3519-10|Bacteria-Bacteroidetes
219117593|Phaeodactylum tricornutum CCAP 1055/1|Eukaryota-stramenopiles
224005665|Thalassiosira pseudonana CCMP1335|Eukaryota-stramenopiles
123484490|Trichomonas vaginalis G3|Eukaryota-Parabasalidea
123406127|Trichomonas vaginalis G3|Eukaryota-Parabasalidea
75991690|Oryza sativa Japonica Group|Eukaryota-Viridiplantae
cr|HAL estExt GenewiseW 1.C 10190||-
159462534|Chlamydomonas reinhardtii|Eukaryota-Viridiplantae
116056033|Ostreococcus tauri|Eukaryota-Viridiplantae
145355999|Ostreococcus lucimarinus CCE9901|Eukaryota-Viridiplantae
255090054|Micromonas sp. RCC299|Eukaryota-Viridiplantae
226454121|Micromonas pusilla CCMP1545|Eukaryota-Viridiplantae
255074877|Micromonas sp. RCC299|Eukaryota-Viridiplantae
pp|estExt fgenesh1 pg.C 2370008||-
168051815|Physcomitrella patens subsp. patens|Eukaryota-Viridiplantae
pp|estExt fgenesh1 pg.C 1710024||-
168043215|Physcomitrella patens subsp. patens|Eukaryota-Viridiplantae
pp|estExt gwp gw1.C 980192||-
168030878|Physcomitrella patens subsp. patens|Eukaryota-Viridiplantae
240248434|Solanum lycopersicum|Eukaryota-Viridiplantae
240248436|Solanum pennellii|Eukaryota-Viridiplantae
255633236|Glycine max|Eukaryota-Viridiplantae
116788073|Picea sitchensis|Eukaryota-Viridiplantae
148905789|Picea sitchensis|Eukaryota-Viridiplantae
148909899|Picea sitchensis|Eukaryota-Viridiplantae
116786814|Picea sitchensis|Eukaryota-Viridiplantae
217072432|Medicago truncatula|Eukaryota-Viridiplantae
222160334|Caragana korshinskii|Eukaryota-Viridiplantae
255638648|Glycine max|Eukaryota-Viridiplantae
at|GME1|AT5G28840.1||-
15241945|Arabidopsis thaliana|Eukaryota-Viridiplantae
83754654|Arabidopsis thaliana|Eukaryota-Viridiplantae
83754658|Arabidopsis thaliana|Eukaryota-Viridiplantae
83754650|Arabidopsis thaliana|Eukaryota-Viridiplantae
83754656|Arabidopsis thaliana|Eukaryota-Viridiplantae
240248432|Solanum lycopersicum|Eukaryota-Viridiplantae
82400136|Solanum tuberosum|Eukaryota-Viridiplantae
223469963|Ribes nigrum|Eukaryota-Viridiplantae
218117843|Prunus persica|Eukaryota-Viridiplantae
225380888|Malus x domestica|Eukaryota-Viridiplantae
146432257|Vitis vinifera|Eukaryota-Viridiplantae
225451338|Vitis vinifera|Eukaryota-Viridiplantae
147794688|Vitis vinifera|Eukaryota-Viridiplantae
270239103|Vitis vinifera|Eukaryota-Viridiplantae
225432858|Vitis vinifera|Eukaryota-Viridiplantae
255580957|Ricinus communis|Eukaryota-Viridiplantae
224125640|Populus trichocarpa|Eukaryota-Viridiplantae
80973462|Malpighia glabra|Eukaryota-Viridiplantae
18487330|Populus trichocarpa|Eukaryota-Viridiplantae
224130650|Populus trichocarpa|Eukaryota-Viridiplantae
195634957|Zea mays|Eukaryota-Viridiplantae
226503117|Zea mays|Eukaryota-Viridiplantae
77551726|Oryza sativa Japonica Group|Eukaryota-Viridiplantae
os|LOC Os11g37890.1||-
15486079|Oryza sativa Japonica Group|Eukaryota-Viridiplantae
125551945|Oryza sativa Indica Group|Eukaryota-Viridiplantae
242039695|Sorghum bicolor|Eukaryota-Viridiplantae
195620882|Zea mays|Eukaryota-Viridiplantae
12275446|Zea mays|Eukaryota-Viridiplantae
24035479|Zea mays|Eukaryota-Viridiplantae
49391253|Oryza sativa Indica Group|Eukaryota-Viridiplantae
32032496|Oryza sativa Indica Group|Eukaryota-Viridiplantae
os|LOC Os10g28200.1||-
110289082|Oryza sativa Japonica Group|Eukaryota-Viridiplantae
115482032|Oryza sativa Japonica Group|Eukaryota-Viridiplantae
0.1
Land plants
Chlorophyta algae
Fungi
Metazoa
Other eukaryotes
Archaea
Cyanobacteria
Other bacteria
Viruses
Others