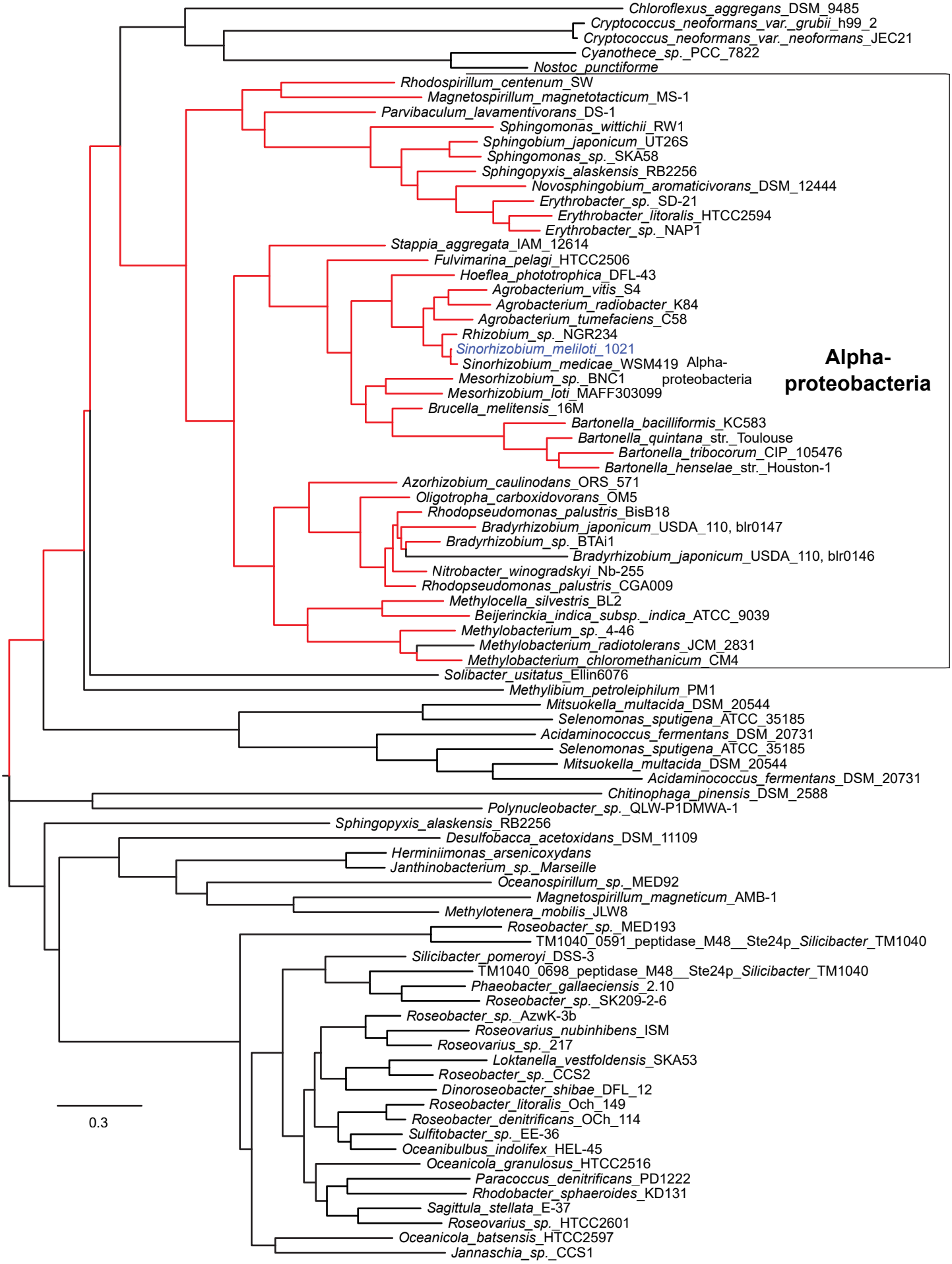
Figure S3


Chloroflexus_aggregans_DSM_9485
Cryptococcus_neoformans_var._grubii_h99_2
Cryptococcus_neoformans_var._neoformans_JEC21
Cyanothece_sp._PCC_7822
Nostoc_punctiforme
Rhodospirillum_centenum_SW
Magnetospirillum_magnetotacticum_MS-1
Parvibaculum_lavamentivorans_DS-1
Sphingomonas_wittichii_RW1
Sphingobium_japonicum_UT26S
Sphingomonas_sp._SKA58
Sphingopyxis_alaskensis_RB2256
Novosphingobium_aromaticivorans_DSM_12444
Erythrobacter_sp._SD-21
Erythrobacter_litoralis_HTCC2594
Erythrobacter_sp._NAP1
Stappia_aggregata_IAM_12614
Fulvimarina_pelagi_HTCC2506
Hoeflea_phototrophica_DFL-43
Agrobacterium_vitis_S4
Agrobacterium_radiobacter_K84
Agrobacterium_tumefaciens_C58
Rhizobium_sp._NGR234
Sinorhizobium_meliloti_1021
Sinorhizobium_medicae_WSM419
Mesorhizobium_sp._BNC1
Mesorhizobium_loti_MAFF303099
Brucella_melitensis_16M
Bartonella_bacilliformis_KC583
Bartonella_quintana_str._Toulouse
Bartonella_tribocorum_CIP_105476
Bartonella_henselae_str._Houston-1
Azorhizobium_caulinodans_ORS_571
Oligotropha_carboxidovorans_OM5
Rhodopseudomonas_palustris_BisB18
Bradyrhizobium_japonicum_USDA_110, blr0147
Bradyrhizobium_sp._BTAi1
Bradyrhizobium_japonicum_USDA_110, blr0146
Nitrobacter_winogradskyi_Nb-255
Rhodopseudomonas_palustris_CGA009
Methylocella_silvestris_BL2
Beijerinckia_indica_subsp._indica_ATCC_9039
Methylobacterium_sp._4-46
Methylobacterium_radiotolerans_JCM_2831
Methylobacterium_chloromethanicum_CM4
Alpha-proteobacteria
Solibacter_usitatus_Ellin6076
Methylibium_petroleiphilum_PM1
Mitsuokella_multacida_DSM_20544
Selenomonas_sputigena_ATCC_35185
Acidaminococcus_fermentans_DSM_20731
Selenomonas_sputigena_ATCC_35185
Mitsuokella_multacida_DSM_20544
Acidaminococcus_fermentans_DSM_20731
Chitinophaga_pinensis_DSM_2588
Polynucleobacter_sp._QLW-P1DMWA-1
Sphingopyxis_alaskensis_RB2256
Desulfobacca_acetoxidans_DSM_11109
Herminiimonas_arsenicoxydans
Janthinobacterium_sp._Marseille
Oceanospirillum_sp._MED92
Magnetospirillum_magneticum_AMB-1
Methylotenera_mobilis_JLW8
Roseobacter_sp._MED193
TM1040_0591_peptidase_M48__Ste24p_Silicibacter_TM1040
Silicibacter_pomeroyi_DSS-3
TM1040_0698_peptidase_M48__Ste24p_Silicibacter_TM1040
Phaeobacter_gallaeciensis_2.10
Roseobacter_sp._SK209-2-6
Roseobacter_sp._AzwK-3b
Roseovarius_nubinhibens_ISM
Roseovarius_sp._217
Loktanella_vestfoldensis_SKA53
Roseobacter_sp._CCS2
Dinoroseobacter_shibae_DFL_12
Roseobacter_litoralis_Och_149
Roseobacter_denitrificans_OCh_114
Sulfitobacter_sp._EE-36
Oceanibulbus_indolifex_HEL-45
Oceanicola_granulosus_HTCC2516
Paracoccus_denitrificans_PD1222
Rhodobacter_sphaeroides_KD131
Sagittula_stellata_E-37
Roseovarius_sp._HTCC2601
Oceanicola_batsensis_HTCC2597
Jannaschia_sp._CCS1
0.3