KME03_12380_Aphanocapsa_lilacina_HA4352-LM1 KME02_13085_Aphanothece_saxicola_GSE-SYN-MK-01-06B KME47_03610_Nodosilinea_sp._WJT8-NPBG4 ME14_06385_Tildeniella_torsiva_UHER_1998_13D o.₽KME18_12145_Oscillatoria_tanganyikae_FI6-MK23 KME10_13625_Plectolyngbya_sp._WJT66-NPBG17 KME13_02120_Myxacorys_californica_WJT36-NPBG1 KME43_12360_Myxacorys_chilensis_ATA2-1-KO14 KME17_15940_Cyanosarcina_radialis_HA8281-LM2 KME08_21250_Aphanothece_sp._CMT-3BRIN-NPC111 KME29_39905_Calothrix_sp._FI2-JRJ7 KME60_16910_Cyanomargarita_calcarea_GSE-NOS-MK-12-04C KME28_18765_Pelatocladus_maniniholoensis_HA4357-MV3 KME40_25485_Komarekiella_atlantica_HA4396-MV6 NME52_03815_Desmonostoc_geniculatum_HA4340-LM1 ¼KME21_02680_Desmonostoc_vinosum_HA7617-LM4 || ME59_03620_Trichormus_sp._ATA11-4-KO1 KME30_08265_lphinoe_sp._HA4291-MV1 KME46_11480_Brasilonema_angustatum_HA4187-MV1 №ME49_22155_Brasilonema_octagenarum_HA4186-MV1 KME22_05970_Hassallia_sp._WJT32-NPBG1 KME38_10910_Spirirestis_raphaelensis_WJT71-NPBG6 KME54_03825_Tolypothrix_brevis_GSE-NOS-MK-07-07A KME31_11650_Tolypothrix_carrinoi_HA7290-LM1 KME33_25200_Aetokthonos_hydrillicola_B3-Florida ^上光ME64_18950_Scytonematopsis_contorta_HA4267-MV1 KME57_01100_Scytonema_hyalinum_WJT4-NPBG1 KME50_09630_Nostoc_desertorum_CM1-VF14 KME55_15385_Nostoc_indistinguendum_CM1-VF10 KME23_15360_Goleter_apudmare_HA4340-LM2 KME32_16265_Mojavia_pulchra_JT2-VF2 KME09_22830_Pleurocapsa_minor_HA4230-MV1 -KME01_06190_Chroococcus_sp._CMT-3BRIN-NPC107 KME19_07705_Microcoleus_vaginatus_WJT46-NPBG5 ME26_05045_Oscillatoria_princeps_RMCB-10 KME12_19820_Trichocoleus_desertorum_ATA4-8-CV12 [ୁ] kੰME06_01250_Kastovskya_adunca_ATA6-11-RM4 KME25_16680_Symplocastrum_torsivum_CPER-KK1 KME16_09400_Scytolyngbya_sp._HA4215-MV1 PKME42_25605_Tildeniella_nuda_ZEHNDER_1965_U140 KME27_25865_Lyngbya_sp._HA4199-MV5 KME45_24145_Stenomitos_rutilans_HA7619-LM2 KME20_14045_Kaiparowitsia_implicata_GSE-PSE-MK54-09C 🗝 № ME11_09290_Timaviella_obliquedivisa_GSE-PSE-MK23-08B ₽ 18 ME07_14735_Pegethrix_bostrychoides_GSE-TBD4-15B KME35_11270_Aphanocapsa_sp._GSE-SYN-MK-11-07L KME09_08785_Pleurocapsa_minor_HA4230-MV1 KME17_22130_Cyanosarcina_radialis_HA8281-LM2 KME54_25540_Tolypothrix_brevis_GSE-NOS-MK-07-07A 0.97 KME31_01840_Tolypothrix_carrinoi_HA7290-LM1 KME22_23810_Hassallia_sp._WJT32-NPBG1 KME38_03240_Spirirestis_raphaelensis_WJT71-NPBG6 r8KME21_17115_Desmonostoc_vinosum_HA7617-LM4 %ME32_12250_Mojavia_pulchra_JT2-VF2 KME23_19710_Goleter_apudmare_HA4340-LM2 ์KME40_17090_Komarekiella_atlantica_HA4396-MV6 0.97 oksME52_02885_Desmonostoc_geniculatum_HA4340-LM1 ⁹KME64_02200_Scytonematopsis_contorta_HA4267-MV1 KME07_10055_Pegethrix_bostrychoides_GSE-TBD4-15B KME08_11070_Aphanothece_sp._CMT-3BRIN-NPC111 KME33_16555_Aetokthonos_hydrillicola_B3-Florida KME03_11940_Aphanocapsa_lilacina_HA4352-LM1 KME35_04220_Aphanocapsa_sp._GSE-SYN-MK-11-07L KME18_06750_Oscillatoria_tanganyikae_FI6-MK23 ີ່ ໃ KME10_10390_Plectolyngbya_sp._WJT66-NPBG17 KME13_06610_Myxacorys_californica_WJT36-NPBG1 KME43_11750_Myxacorys_chilensis_ATA2-1-KO14 ^{0.95} KME42_05650_Tildeniella_nuda_ZEHNDER_1965_U140 KME27_24645_Lyngbya_sp._HA4199-MV5 0.37 ^{0.8}LKME45_13670_Stenomitos_rutilans_HA7619-LM2 KME16_00580_Scytolyngbya_sp._HA4215-MV1 NPCC7120_1829_Nostoc_sp._PCC_7120_=_FACHB-418_PCC_7120 GEI7407_0513_Geitlerinema_sp._PCC_7407_PCC_7407 Syn6312_0857_Synechococcus_sp._PCC_6312_PCC_6312 D082_10060_Synechocystis_sp._PCC_6714_PCC_6714 GEI7407_2053_Geitlerinema_sp._PCC_7407_PCC_7407 Oscil6304_2384_Oscillatoria_acuminata_PCC_6304 Npun_R3302_Nostoc_punctiforme_PCC_73102_ATCC_29133__PCC_73102 Riv7116_3973_Rivularia_sp._PCC_7116_PCC_7116 SynPCC6803_1269_Synechocystis_sp._PCC_6803_PCC_6803 Glo7428_1761_Gloeocapsa_sp._PCC_7428_PCC_7428 Glo7428_4742_Gloeocapsa_sp._PCC_7428_PCC_7428 0.99 PCC8801_0817_Rippkaea_orientalis_PCC_8801 0.78 Chro_4351_Chroococcidiopsis_thermalis_PCC_7203 0.43 Ple7327_2725_Pleurocapsa_sp._PCC_7327 Synpcc7942_0369_Synechococcus_elongatus_=_FACHB-805_PCC_7942 0.98 M744_01140_Synechococcus_sp._UTEX_2973_UTEX_2973 syc1144_c_Synechococcus_elongatus_PCC_6301 GKIL_2757_Gloeobacter_kilaueensis_JS1 Pse7367_3429_Pseudanabaena_sp._PCC_7367_PCC_7367 Tery_3577_Trichodesmium_erythraeum_IMS101 Osc7112_1537_Oscillatoria_nigro-viridis_PCC_7112 5.Mic7113_3928_Microcoleus_sp._PCC_7113_PCC_7113 Dacsa_1149_Dactylococcopsis_salina_PCC_8305 PCC7418_2662_Halothece_sp._PCC_7418_PCC_7418 0. Ple7327_2440_Pleurocapsa_sp._PCC_7327 ਦੇ ਊCC7424_4868_Gloeothece_citriformis_PCC_7424 ັດຜິເyan7822_2325_Gloeothece_verrucosa_PCC_7822 cce_2233_Crocosphaera_subtropica_ATCC_51142 PCC8801_0517_Rippkaea_orientalis_PCC_8801 Cyan8802_0534_Rippkaea_orientalis_PCC_8802 %D082_08530_Synechocystis_sp._PCC_6714_PCC_6714 SYNGTS 1358 Synechocystis sp. PCC 6803 GT-S SYNGTI_1358_Synechocystis_sp._PCC_6803_substr._GT-I SYNPCCN_1357_Synechocystis_sp._PCC_6803_substr._PCC-N SYNPCCP_1357_Synechocystis_sp._PCC_6803_substr._PCC-P Cyan10605_0140_Cyanobacterium_aponinum_PCC_10605 ∱⁸⁴epto7376_3648_Leptolyngbya_sp._PCC_7376_ 0.96 SYNPCC7002_A1248_Synechococcus_sp._PCC_7002_PCC_7002__ATCC_27264 Cal7507_2669_Calothrix_sp._PCC_7507_PCC_7507 Anacy_0004_Anabaena_cylindrica_PCC_7122 •º№557107_2383_Nostoc_sp._PCC_7107_PCC_7107 r⁰№6s7524_4632_Nostoc_sp._PCC_7524_PCC_7524 Äva_0036_Trichormus_variabilis_ATCC_29413 Chro_4091_Chroococcidiopsis_thermalis_PCC_7203 CYB_2788_Synechococcus_sp._JA-2-3Ba2-13_JA-2-3Ba2-13 0.82 SynWH8103_01561_Synechococcus_sp._WH_8103_WH_8103 Syncc9902_1346_Synechococcus_sp._CC9902_CC9902 ∰KR100_10570_Synechococcus_sp._KORDI-100_KORDI-100 Syncc9605_1093_Synechococcus_sp._CC9605_CC9605 Syncc8109_1580_Synechococcus_sp._WH_8109_WH_8109 0.34 KR52_11500_Synechococcus_sp._KORDI-52_KORDI-52 AM1_4189_Acaryochloris_marina_MBIC11017 Cyan10605_0057_Cyanobacterium_aponinum_PCC_10605 oBle7327_3632_Pleurocapsa_sp._PCC_7327 0.7 №PCC7424_4330_Gloeothece_citriformis_PCC_7424 a@yan7822_1852_Gloeothece_verrucosa_PCC_7822 cce_4634_Crocosphaera_subtropica_ATCC_51142 Mic7113_4620_Microcoleus_sp._PCC_7113_PCC_7113 Nos7107_3131_Nostoc_sp._PCC_7107_PCC_7107 Nps7524_5119_Nostoc_sp._PCC_7524_PCC_7524 Xva_0368_Trichormus_variabilis_ATCC_29413 Npun_R3653_Nostoc_punctiforme_PCC_73102_ATCC_29133__PCC_73102 Cal7507_5413_Calothrix_sp._PCC_7507_PCC_7507 Riv7116_2142_Rivularia_sp._PCC_7116_PCC_7116 0.64 0.8800_24495_Calothrix_sp._336_3_336_3 Cyan7425_3736_Cyanothece_sp._PCC_7425_PCC_7425 odio7428_1207_Gloeocapsa_sp._PCC_7428_PCC_7428 ⊕Chro_5574_Chroococcidiopsis_thermalis_PCC_7203 Osc7112_4853_Oscillatoria_nigro-viridis_PCC_7112 Cri9333_4498_Crinalium_epipsammum_PCC_9333 Pse7367_3601_Pseudanabaena_sp._PCC_7367_PCC_7367 CYA_0043_Synechococcus_sp._JA-3-3Ab_JA-3-3Ab Cyagr_2820_Cyanobium_gracile_PCC_6307 Anacy_0442_Anabaena_cylindrica_PCC_7122 P9515_01291_Prochlorococcus_marinus_str._MIT_9515 1PMT9312_0118_Prochlorococcus_marinus_str._MIT_9312 P9301_01321_Prochlorococcus_marinus_str._MIT_9301 A9601_01331_Prochlorococcus_marinus_str._AS9601 අම්වී215_01331_Prochlorococcus_marinus_str._MIT_9215 EW14_0141_Prochlorococcus_sp._MIT_0604_MIT_0604 Gyagr_2942_Cyanobium_gracile_PCC_6307 rosync_2568_Synechococcus_sp._CC9311_CC9311 0.87 Syncc9902_0335_Synechococcus_sp._CC9902_CC9902 ol≪R49_07360_Synechococcus_sp._KORDI-49_KORDI-49 @wnWH8103_02544_Synechococcus_sp._WH_8103_WH_8103 KR52_04330_Synechococcus_sp._KORDI-52_KORDI-52 Syncc9605_2356_Synechococcus_sp._CC9605_CC9605 Syncc8109_2460_Synechococcus_sp._WH_8109_WH_8109 KR100_14605_Synechococcus_sp._KORDI-100_KORDI-100 Pro_0136_Prochlorococcus_marinus_subsp._marinus_str._CCMP1375_CCMP1375__SS120 PMATL1_01891_Prochlorococcus_marinus_str._NATL1A PMN2A_1484_Prochlorococcus_marinus_str._NATL2A EW15_0204_Prochlorococcus_sp._MIT_0801_MIT_0801 Syn6312_1408_Synechococcus_sp._PCC_6312_PCC_6312 <u>a</u>. GYB_1060_Synechococcus_sp._JA-2-3Ba2-13_JA-2-3Ba2-13 NGYA_0668_Synechococcus_sp._JA-3-3Ab_JA-3-3Ab Telo 336 Thermosynechococcus elongatus BP-1 Pse7367_2939_Pseudanabaena_sp._PCC_7367_PCC_7367 syn7502_03575_Synechococcus_sp._PCC_7502_PCC_7502_ GEI7407_2276_Geitlerinema_sp._PCC_7407_PCC_7407 PCC8801_3430_Rippkaea_orientalis_PCC_8801 Cyan8802_2686_Rippkaea_orientalis_PCC_8802 ്രൂട്ടേe_2779_Crocosphaera_subtropica_ATCC_51142 MAE_53100_Microcystis_aeruginosa_NIES-843 ្នាន្ធ្វីa7437_0865_Stanieria_cyanosphaera_PCC_7437 Cyan10605_2265_Cyanobacterium_aponinum_PCC_10605 PCC7424 0679 Gloeothece citriformis PCC 7424 Ple7327_2403_Pleurocapsa_sp._PCC_7327 LSYNGTS_1826_Synechocystis_sp._PCC_6803_GT-S œSYNGTI_1826_Synechocystis_sp._PCC_6803_substr._GT-I SYNPCCN_1825_Synechocystis_sp._PCC_6803_substr._PCC-N SYNPCCP_1825_Synechocystis_sp._PCC_6803_substr._PCC-P ₱.₱.082_20520_Synechocystis_sp._PCC_6714_PCC_6714 Lepto7376_0182_Leptolyngbya_sp._PCC_7376_ SYNPCC7002_A0529_Synechococcus_sp._PCC_7002_PCC_7002__ATCC_27264 PCC7418_2975_Halothece_sp._PCC_7418_PCC_7418 Dacsa_1294_Dactylococcopsis_salina_PCC_8305 Cri9333_4053_Crinalium_epipsammum_PCC_9333 Npun_R0498_Nostoc_punctiforme_PCC_73102_ATCC_29133__PCC_73102 Cal7507_4291_Calothrix_sp._PCC_7507_PCC_7507 º№85s7107_5121_Nostoc_sp._PCC_7107_PCC_7107 NPCC7120_2379_Nostoc_sp._PCC_7120_=_FACHB-418_PCC_7120 0.7 Aya_0200_Trichormus_variabilis_ATCC_29413 Nos7524_4587_Nostoc_sp._PCC_7524_PCC_7524 Aazo_4788_Nostoc_azollae_0708 ⁄ጓጓacy_2337_Anabaena_cylindrica_PCC_7122 Ä፝፞፞NA_C11939_Anabaena_sp._90_90 ÄÄ650_01540_Anabaena_sp._WA102_WA102 ົ່ງໃ¹00_20820_Calothrix_sp._336_3_336_3 rº୯al6303_5059_Calothrix_sp._PCC_6303 Řív7116_6892_Rivularia_sp._PCC_7116_PCC_7116 ^{0.}f⁴ery_3954_Trichodesmium_erythraeum_IMS101 Oscil6304_0259_Oscillatoria_acuminata_PCC_6304 Mic7113_1472_Microcoleus_sp._PCC_7113_PCC_7113 Osc7112_1468_Oscillatoria_nigro-viridis_PCC_7112 Cyan7425_3176_Cyanothece_sp._PCC_7425_PCC_7425 M1_3692_Acaryochloris_marina_MBIC11017 Chro_1619_Chroococcidiopsis_thermalis_PCC_7203 Synpcc7942_1512_Synechococcus_elongatus_=_FACHB-805_PCC_7942 M744 08565 Synechococcus sp. UTEX 2973 UTEX 2973 syc2497_c_Synechococcus_elongatus_PCC_6301 Nos7524_1359_Nostoc_sp._PCC_7524_PCC_7524 AM1_0835_Acaryochloris_marina_MBIC11017 Cyan7425 3962 Cyanothece sp. PCC 7425 PCC 7425 Npun_R2772_Nostoc_punctiforme_PCC_73102_ATCC_29133__PCC_73102 Nostoc_sp._PCC_7524_PCC_7524 0.03 %6s7107_4144_Nostoc_sp._PCC_7107_PCC_7107 Mhacy_3875_Anabaena_cylindrica_PCC_7122 Ava_4795_Trichormus_variabilis_ATCC_29413 IJ00_15390_Calothrix_sp._336_3_336_3 Ple7327_0167_Pleurocapsa_sp._PCC_7327 Sta7437_3291_Stanieria_cyanosphaera_PCC_7437 ♣ €yan7425_4188_Cyanothece_sp._PCC_7425_PCC_7425 LCYB_1694_Synechococcus_sp._JA-2-3Ba2-13_JA-2-3Ba2-13 CYA_0316_Synechococcus_sp._JA-3-3Ab_JA-3-3Ab ^{0.53}yn7502_02248_Synechococcus_sp._PCC_7502_PCC_7502 Syn6312_1665_Synechococcus_sp._PCC_6312_PCC_6312_ AM1_4826_Acaryochloris_marina_MBIC11017 Cal6303_5614_Calothrix_sp._PCC_6303 Glo7428_1902_Gloeocapsa_sp._PCC_7428_PCC_7428 ෦º₢ħro_0494_Chroococcidiopsis_thermalis_PCC_7203 ²⁷telo_1560_Thermosynechococcus_elongatus_BP-1 ี่ หี้เง7116_4191_Rivularia_sp._PCC_7116_PCC_7116 GEI7407_1139_Geitlerinema_sp._PCC_7407_PCC_7407 Pse7367_2695_Pseudanabaena_sp._PCC_7367_PCC_7367 Synpcc7942_1983_Synechococcus_elongatus_=_FACHB-805_PCC_7942 M744_06505_Synechococcus_sp._UTEX_2973_UTEX_2973 ·ŝvc2113 c Synechococcus elongatus PCC 6301 Cyagr_2890_Cyanobium_gracile_PCC_6307 PMN2A_1510_Prochlorococcus_marinus_str._NATL2A NATL1_02161_Prochlorococcus_marinus_str._NATL1A W15_0231_Prochlorococcus_sp._MIT_0801_MIT_0801 Pro_0167_Prochlorococcus_marinus_subsp._marinus_str._CCMP1375_CCMP1375__SS120 p. 89515_01721_Prochlorococcus_marinus_str._MIT_9515 ₽9215_01611_Prochlorococcus_marinus_str._MIT_9215 A9601_01611_Prochlorococcus_marinus_str._AS9601 P9301_01631_Prochlorococcus_marinus_str._MIT_9301 ËW14_0186_Prochlorococcus_sp._MIT_0604_MIT_0604 PMT9312_0146_Prochlorococcus_marinus_str._MIT_9312 KR49_07565_Synechococcus_sp._KORDI-49_KORDI-49 SynWH8103_02594_Synechococcus_sp._WH_8103_WH_8103 KR52_04115_Synechococcus_sp._KORDI-52_KORDI-52 ່ຮິ່yncc9605_2395_Synechococcus_sp._CC9605_CC9605 Šincc8109_2504_Synechococcus_sp._WH_8109_WH_8109 KR100_14820_Synechococcus_sp._KORDI-100_KORDI-100 Syncc9902_0298_Synechococcus_sp._CC9902_CC9902 sync_2608_Synechococcus_sp._CC9311_CC9311 PCC8801_0308_Rippkaea_orientalis_PCC_8801 Cyan8802_0308_Rippkaea_orientalis_PCC_8802 cce_3754_Crocosphaera_subtropica_ATCC_51142 • GYN_01070_Candidatus_Atelocyanobacterium_thalassa_isolate_ALOHA_ALOHA MAE_12930_Microcystis_aeruginosa_NIES-843 Cyan10605_0874_Cyanobacterium_aponinum_PCC_10605 PCC7424_1157_Gloeothece_citriformis_PCC_7424 Cyan7822_1223_Gloeothece_verrucosa_PCC_7822 ₽D082_22590_Synechocystis_sp._PCC_6714_PCC_6714 \$YNGTS_1271_Synechocystis_sp._PCC_6803_GT-S SYNGTI_1271_Synechocystis_sp._PCC_6803_substr._GT-I SYNPCCN_1270_Synechocystis_sp._PCC_6803_substr._PCC-N SYNPCCP_1270_Synechocystis_sp._PCC_6803_substr._PCC-P Dacsa_1459_Dactylococcopsis_salina_PCC_8305 PCC7418_3680_Halothece_sp._PCC_7418_PCC_7418 Lepto7376_2525_Leptolyngbya_sp._PCC_7376_ SYNPCC7002_A1935_Synechococcus_sp._PCC_7002_PCC_7002__ATCC_27264 Cal7507_3633_Calothrix_sp._PCC_7507_PCC_7507 %azo_2875_Nostoc_azollae_0708 'AଂNA_C20304_Anabaena_sp._90_90

KME04_20315_Pleurocapsa_minor_GSE-CHR-MK-17-07R

0.7

AA650_04095_Anabaena_sp._WA102_WA102

Tery_4011_Trichodesmium_erythraeum_IMS101

Mic7113_2705_Microcoleus_sp._PCC_7113_PCC_7113

⁰ Crii9333_2890_Crinalium_epipsammum_PCC_9333 ບໍ່ປີ scil6304_1226_Oscillatoria_acuminata_PCC_6304