

Chro\_0494\_Chroococcidiopsis\_thermalis\_PCC\_7203  
KME29\_39910\_Calothrix\_sp.\_F12-JR7  
Cal6303\_5614\_Calothrix\_sp.\_PCC\_6303  
KME33\_25195\_Aetokthonos\_hydrillicola\_B3-Florida  
KME59\_03615\_Trichormus\_sp.\_ATA11-4-KO1  
Cal7507\_3633\_Calothrix\_sp.\_PCC\_7507\_PCC\_7507  
KME23\_15365\_Goleter\_apudmare\_HA4340-LM2  
KME21\_02685\_Desmonostoc\_vinosum\_HA7617-LM4  
Aazo\_2875\_Nostoc\_azollae\_0708  
ANA\_020304\_Anabaena\_sp.\_90\_90  
AA650\_04095\_Anabaena\_sp.\_WA102\_WA102  
Cri9333\_2890\_Crinalium\_epipsammum\_PCC\_9333  
KME17\_15945\_Cyanosarcina\_radialis\_HA8281-LM2  
KME08\_12155\_Aphanothece\_sp.\_CMT-3BRIN-NPC111  
KME26\_05050\_Oscillatoria\_princeps\_RMCB-10  
KME19\_07700\_Microcoleus\_vaginatus\_WJT46-NPBG5  
Tery\_4011\_Trichodesmium\_erythraeum\_IMS101  
Mic7113\_2705\_Microcoleus\_sp.\_PCC\_7113\_PCC\_7113  
KME06\_01255\_Kastovskya\_adunca\_ATA6-11-RM4  
KME25\_16675\_Symplocastrum\_torsivum\_CPER-KK1  
KME01\_06195\_Chroococcus\_sp.\_CMT-3BRIN-NPC107  
Osc7112\_5867\_Oscillatoria\_nigro-viridis\_PCC\_7112  
Oscil6304\_1226\_Oscillatoria\_acuminata\_PCC\_6304  
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  
MAE\_12930\_Microcystis\_aeruginosa\_NIES-843  
ETSB\_0715\_cyanobacterium\_endosymbiont\_of\_Epithemia\_turgida\_isolate\_EtSB\_Lake\_Yunoko\_ETSB\_Lake\_Yunoko  
PCC8801\_0308\_Rippkaea\_orientalis\_PCC\_8801  
Cyan8802\_0308\_Rippkaea\_orientalis\_PCC\_8802  
cce\_3754\_Crocospaera\_subtropica\_ATCC\_51142  
UCYN\_01070\_Candidatus\_Atelocyanobacterium\_thalassa\_isolate\_ALOHA\_ALOHA  
Cyan10605\_0874\_Cyanobacterium\_aponinum\_PCC\_10605  
D082\_22590\_Synechocystis\_sp.\_PCC\_6714\_PCC\_6714  
SYNGTS\_1271\_Synechocystis\_sp.\_PCC\_6803\_GT-S  
SynPCC6803\_1269\_Synechocystis\_sp.\_PCC\_6803\_PCC\_6803  
AOY38\_06565\_Synechocystis\_sp.\_PCC\_6803\_PCC\_6803\_substr\_GT-G  
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  
PCC7424\_1157\_Gloeotheca\_citriformis\_PCC\_7424  
Cyan7822\_1223\_Gloeotheca\_verrucosa\_PCC\_7822  
KME12\_19825\_Trichocoleus\_desertorum\_ATA4-8-CV12  
Synpcc7942\_1983\_Synechococcus\_elongatus\_=FACHB-805\_PCC\_7942  
M744\_06505\_Synechococcus\_sp.\_UTEX\_2973\_UTEX\_2973  
syc2113\_c\_Synechococcus\_elongatus\_PCC\_6301  
KME02\_13090\_Aphanothece\_saxicola\_GSE-SYN-MK-01-06B  
Cyagr\_2890\_Cyanobium\_gracile\_PCC\_6307  
KR49\_07565\_Synechococcus\_sp.\_KORDI-49\_KORDI-49  
Syncc9902\_0298\_Synechococcus\_sp.\_CC9902\_CC9902  
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KR52\_04115\_Synechococcus\_sp.\_KORDI-52\_KORDI-52  
Syncc9605\_2395\_Synechococcus\_sp.\_CC9605\_CC9605  
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KR100\_14820\_Synechococcus\_sp.\_KORDI-100\_KORDI-100  
PMT\_2004\_Prochlorococcus\_marinus\_str.\_MIT\_9313\_MIT9313  
PMN2A\_1510\_Prochlorococcus\_marinus\_str.\_NATL2A  
NATL1\_02161\_Prochlorococcus\_marinus\_str.\_NATL1A  
EW15\_0231\_Prochlorococcus\_sp.\_MIT\_0801\_MIT\_0801  
Pro\_0167\_Prochlorococcus\_marinus\_subsp.\_marinus\_str.\_CCMP1375\_CCMP1375\_SS120  
P9515\_01721\_Prochlorococcus\_marinus\_str.\_MIT\_9515  
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P9215\_01611\_Prochlorococcus\_marinus\_str.\_MIT\_9215  
A9601\_01611\_Prochlorococcus\_marinus\_str.\_AS9601  
P9301\_01631\_Prochlorococcus\_marinus\_str.\_MIT\_9301  
PMT9312\_0146\_Prochlorococcus\_marinus\_str.\_MIT\_9312  
EW14\_0186\_Prochlorococcus\_sp.\_MIT\_0604\_MIT\_0604  
Pse7367\_2695\_Pseudanabaena\_sp.\_PCC\_7367\_PCC\_7367  
GEI7407\_1139\_Geitlerinema\_sp.\_PCC\_7407\_PCC\_7407  
KME57\_01095\_Scytonema\_hyalinum\_WJT4-NPBG1  
KME30\_08270\_Iphinoe\_sp.\_HA4291-MV1  
KME46\_11475\_Brasilonema\_angustatum\_HA4187-MV1  
KME49\_22160\_Brasilonema\_octagenarum\_HA4186-MV1  
KME64\_18955\_Scytonematopsis\_contorta\_HA4267-MV1  
KME60\_16905\_Cyanomargarita\_calcareo\_GSE-NOS-MK-12-04C  
KME40\_25480\_Komarekiella\_atlantica\_HA4396-MV6  
Nos7107\_4144\_Nostoc\_sp.\_PCC\_7107\_PCC\_7107  
Nos7524\_4713\_Nostoc\_sp.\_PCC\_7524\_PCC\_7524  
KME32\_16260\_Mojavia\_pulchra\_JT2-VF2  
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Ava\_4795\_Trichormus\_variabilis\_ATCC\_29413  
Anacy\_3875\_Anabaena\_cylindrica\_PCC\_7122  
Npun\_R2772\_Nostoc\_punctiforme\_PCC\_73102\_ATCC\_29133\_PCC\_73102  
KME50\_09625\_Nostoc\_desertorum\_CM1-VF14  
KME55\_15380\_Nostoc\_indistinquendum\_CM1-VF10  
KME52\_03820\_Desmonostoc\_geniculatum\_HA4340-LM1  
KME54\_03830\_Tolypothrix\_brevis\_GSE-NOS-MK-07-07A  
KME22\_05965\_Hassallia\_sp.\_WJT32-NPBG1  
KME38\_10915\_Spirirestis\_raphaelensis\_WJT71-NPBG6  
KME31\_11655\_Tolypothrix\_carrinoi\_HA7290-LM1  
IJ00\_15390\_Calothrix\_sp.\_336\_3\_336\_3  
KME09\_22835\_Pleurocapsa\_minor\_HA4230-MV1  
Sta7437\_3291\_Stanieria\_cyanosphaera\_PCC\_7437  
Pie7327\_0167\_Pleurocapsa\_sp.\_PCC\_7327  
KME20\_14040\_Kaiparowitsia\_implicata\_GSE-PSE-MK54-09C  
KME11\_09285\_Timaviella\_obliquedivisa\_GSE-PSE-MK23-08B  
KME16\_09405\_Scytolyngbya\_sp.\_HA4215-MV1  
KME42\_25610\_Tildenella\_nuda\_ZEHNDER\_1965\_U140  
KME27\_25860\_Lyngbya\_sp.\_HA4199-MV5  
KME45\_24150\_Stenomitos\_rutilans\_HA7619-LM2  
KME07\_14730\_Pegethrix\_bostrychoides\_GSE-TBD4-15B  
KME18\_12140\_Oscillatoria\_tanganyikae\_F16-MK23  
KME10\_13620\_Plectolyngbya\_sp.\_WJT66-NPBG1  
KME13\_02125\_Myxocorys\_californica\_WJT36-NPBG1  
KME43\_12365\_Myxocorys\_chilensis\_ATA2-1-KO14  
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Cyan7425\_4188\_Cyanothece\_sp.\_PCC\_7425\_PCC\_7425  
AM1\_4826\_Acaryochloris\_marina\_MBI011017  
Syn6312\_1665\_Synechococcus\_sp.\_PCC\_6312\_PCC\_6312  
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Telo\_1560\_Thermosynechococcus\_elongatus\_BP-1  
CYB\_1694\_Synechococcus\_sp.\_JA-2-3Ba2-13\_JA-2-3Ba2-13  
CYA\_0316\_Synechococcus\_sp.\_JA-3-3Ab\_JA-3-3Ab  
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Cyan10605\_1521\_Cyanobacterium\_aponinum\_PCC\_10605  
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CYA\_0043\_Synechococcus\_sp.\_JA-3-3Ab\_JA-3-3Ab  
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KME31\_17270\_Tolypothrix\_carrinoi\_HA7290-LM1  
KME40\_02400\_Komarekiella\_atlantica\_HA4396-MV6  
KME19\_05490\_Microcoleus\_vaginatus\_WJT46-NPBG5  
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Cyan7822\_2325\_Gloeotheca\_verrucosa\_PCC\_7822  
Dacsa\_1149\_Dactylococcopsis\_salina\_PCC\_8305  
PCC7418\_2662\_Halothece\_sp.\_PCC\_7418\_PCC\_7418  
D082\_08530\_Synechocystis\_sp.\_PCC\_6714\_PCC\_6714  
SYNGTS\_1358\_Synechocystis\_sp.\_PCC\_6803\_GT-S  
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CYA\_0668\_Prochlorococcus\_sp.\_JA-3-3Ab\_JA-3-3Ab  
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KME17\_06825\_Cyanosarcina\_radialis\_HA8281-LM2  
D082\_20520\_Synechocystis\_sp.\_PCC\_6714\_PCC\_6714  
SYNGTS\_1846\_Synechocystis\_sp.\_PCC\_6803\_PCC\_6803\_substr\_GT-G  
AOY38\_09280\_Synechocystis\_sp.\_PCC\_6803\_PCC\_6803\_substr\_GT-I  
SYNGTI\_1826\_Synechocystis\_sp.\_PCC\_6803\_substr\_PCC-N  
SYNPCCN\_1825\_Synechocystis\_sp.\_PCC\_6803\_substr\_PCC-P  
SYNPCCP\_1825\_Synechocystis\_sp.\_PCC\_6803\_substr\_PCC-P  
PCC7418\_2975\_Halothece\_sp.\_PCC\_7418\_PCC\_7418  
Dacsa\_1298\_Dactylococcopsis\_salina\_PCC\_8305  
ETSB\_0758\_cyanobacterium\_endosymbiont\_of\_Epithemia\_turgida\_isolate\_EtSB\_Lake\_Yunoko\_ETSB\_Lake\_Yunoko  
PCC8801\_3430\_Rippkaea\_orientalis\_PCC\_8801  
Cyan8802\_2686\_Rippkaea\_orientalis\_PCC\_8802  
PCC7424\_0679\_Gloeotheca\_citriformis\_PCC\_7424  
Pie7327\_2403\_Pleurocapsa\_sp.\_PCC\_7327  
Cyan10605\_2265\_Cyanobacterium\_aponinum\_PCC\_10605  
cce\_2779\_Crocospaera\_subtropica\_ATCC\_51142  
Sta7437\_0865\_Stanieria\_cyanosphaera\_PCC\_7437  
MAE\_53100\_Microcystis\_aeruginosa\_NIES-843  
KME09\_00365\_Pleurocapsa\_minor\_HA4230-MV1  
Lepto7376\_0182\_Leptolyngbya\_sp.\_PCC\_7376  
SYNPCC7002\_A0529\_Synechococcus\_sp.\_PCC\_7002\_PCC\_7002\_ATCC\_27264  
GEI7407\_2276\_Geitlerinema\_sp.\_PCC\_7407\_PCC\_7407  
Oscil6304\_0259\_Oscillatoria\_acuminata\_PCC\_6304  
KME16\_23760\_Scytolyngbya\_sp.\_HA4215-MV1  
KME45\_10390\_Stenomitos\_rutilans\_HA7619-LM2  
KME27\_12855\_Lyngbya\_sp.\_HA4199-MV5  
KME42\_04265\_Tildenella\_nuda\_ZEHNDER\_1965\_U140  
Cri9333\_4053\_Crinalium\_epipsammum\_PCC\_9333  
KME08\_16960\_Aphanothece\_sp.\_CMT-3BRIN-NPC111  
KME05\_03860\_Gloeocapsa\_sp.\_UFS-A4-WI-NPMV-4B04  
KME01\_05465\_Chroococcus\_sp.\_CMT-3BRIN-NPC107  
KME25\_03445\_Symplocastrum\_torsivum\_CPER-KK1  
KME06\_07895\_Kastovskya\_adunca\_ATA6-11-RM4  
Mic7113\_1472\_Microcoleus\_sp.\_PCC\_7113\_PCC\_7113  
KME19\_23195\_Microcoleus\_vaginatus\_WJT46-NPBG5  
KME26\_17575\_Oscillatoria\_princeps\_RMCB-10  
Chro\_1619\_Chroococcidiopsis\_thermalis\_PCC\_7203  
Tery\_3954\_Trichodesmium\_erythraeum\_IMS101  
KME64\_06085\_Scytonematopsis\_contorta\_HA4267-MV1  
Riv7116\_6892\_Rivularia\_sp.\_PCC\_7116\_PCC\_7116  
KME60\_33195\_Cyanomargarita\_calcareo\_GSE-NOS-MK-12-04C  
KME29\_34590\_Calothrix\_sp.\_F12-JR7  
Cal6303\_5059\_Calothrix\_sp.\_PCC\_6303  
IJ00\_20820\_Calothrix\_sp.\_336\_3\_336\_3  
KME33\_06175\_Aetokthonos\_hydrillicola\_B3-Florida  
KME28\_19475\_Pelatocladus\_maniniholaensis\_HA4357-MV3  
KME40\_04305\_Komarekiella\_atlantica\_HA4396-MV6  
KME30\_14730\_Iphinoe\_sp.\_HA4291-MV1  
KME57\_35075\_Scytonema\_hyalinum\_WJT4-NPBG1  
KME46\_17035\_Brasilonema\_angustatum\_HA4187-MV1  
KME49\_08350\_Brasilonema\_octagenarum\_HA4186-MV1  
KME54\_20970\_Tolypothrix\_brevis\_GSE-NOS-MK-07-07A  
KME31\_31375\_Tolypothrix\_carrinoi\_HA7290-LM1  
KME22\_03345\_Hassallia\_sp.\_WJT32-NPBG1  
KME38\_05960\_Spirirestis\_raphaelensis\_WJT71-NPBG6  
Aazo\_4788\_Nostoc\_azollae\_0708  
Anacy\_2337\_Anabaena\_cylindrica\_PCC\_7122  
ANA\_C11939\_Anabaena\_sp.\_90\_90  
AA650\_01540\_Anabaena\_sp.\_WA102\_WA102  
Nos7107\_5121\_Nostoc\_sp.\_PCC\_7107\_PCC\_7107  
Nos7524\_4587\_Nostoc\_sp.\_PCC\_7524\_PCC\_7524  
Ava\_0200\_Trichormus\_variabilis\_ATCC\_29413  
NPCC7120\_2379\_Nostoc\_sp.\_PCC\_7120\_=FACHB-418\_PCC\_7120  
Cal7507\_4291\_Calothrix\_sp.\_PCC\_7507\_PCC\_7507  
KME23\_13830\_Goleter\_apudmare\_HA4340-LM2  
KME32\_07965\_Mojavia\_pulchra\_JT2-VF2  
KME21\_07380\_Desmonostoc\_vinosum\_HA7617-LM4  
KME59\_11535\_Trichormus\_sp.\_ATA11-4-KO1  
KME52\_08330\_Desmonostoc\_geniculatum\_HA4340-LM1  
Npun\_R0498\_Nostoc\_punctiforme\_PCC\_73102\_ATCC\_29133\_PCC\_73102  
KME50\_03555\_Nostoc\_desertorum\_CM1-VF14  
KME55\_11780\_Nostoc\_indistinquendum\_CM1-VF10  
Glo7428\_1902\_Gloeocapsa\_sp.\_PCC\_7428\_PCC\_7428