MIB-derived odor management based upon hydraulic regulation in small drinking water reservoirs: principle and application

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Jinping Lu1,4, Ming Su1,4,\*, Yuliang Su2, Jiao Fang1, Michael Burch3, Tengxin Cao1,4, Bin Wu2, Jianwei Yu1,4, Min Yang1,4,\*

1. State Key Laboratory of Environmental Aquatic Chemistry, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, P.O. Box 2871, Beijing, 100085.

2. Zhuhai Water Environment Holdings Group Ltd., Zhuhai, 519020.

3. School of Biological Sciences, The University of Adelaide, SA, 5005.

4. University of Chinese Academy of Sciences, Beijing, 100049.

\* Corresponding Author: Min Yang ([yangmin@rcees.ac.cn](mailto:yangmin@rcees.ac.cn))

# Supplementary Material

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To identify the MIB-producing cyanobacteria genera in Zhuhai, seven water sources (GCBZ, HYBZ, …, FH,DJS) were select and water samples were collected from July to October, 2020 when there were MIB episode. The universal primer for MIB gene (*mic*) (Suruzzaman et al., 2022) was used to amplify samples genome and was Illumina MiSeq sequenced. The data was phylogenetic classification assigned using Silva 128 database. The result declared that the MIB-producers in Zhuhai was *Pseudanabaena* and *Planktothricoides* with the later more abundant.

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| Table 1 Sampling description   | Reservoir | Sampling | Time | Sites | Layers | Frequency | | --- | --- | --- | --- | --- | --- | | NP | Routine | Mar., 2017~Dec., 2020 | NP03 | Surface (0.5 m) | monthly | | NP | MIB episodes | Jul., 2017 | NP01, NP02, …, NP06 | Surface (0.5 m) | daily | | NP | MIB episodes | Apr., 2018 | NP01, NP02, …, NP06 | Surface (0.5 m) | daily | | ZXD | MIB episodes | Mar. ~ Apr. , 2021 | ZXD01, ZXD02, …,ZXD06 | Surface (0.5 m) | daily | | ZXD | MIB episodes | Apr. , 2021 | ZXD01 | Surface (0.5 m), middle (3 m), bottom (5~7 m) | weekly | | ZXD | MIB episodes | Apr. , 2021 | ZXD02 | Surface (0.5 m), middle (2 m), bottom (3~5 m) | weekly | | ZXD | MIB episodes | Apr. , 2021 | ZXD03 | Surface (0.5 m), middle (5 m), bottom (10~11 m) | weekly | | ZXD | MIB episodes | Apr. , 2021 | ZXD04 | Surface (0.5 m), middle (3 m), bottom (6~7 m) | weekly | | ZXD | MIB episodes | Apr. , 2021 | ZXD05 | Surface (0.5 m), middle (2.5 m), bottom (5~6 m) | weekly | | ZXD | MIB episodes | Apr. , 2021 | ZXD06 | Surface (0.5 m), middle (3.5 m), bottom (6~8 m) | weekly | |

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| Table 2 Light intensity for all sets was 54 μmol m-2s-1, and culture temperature was 30 °C; 10 samplings were performed for each set. The lab experiment design to investigate the effect of hydraulic residence time to *P. raciborskii* growth is shown in the table above.   | **ID** | **HRT (d)** | **Flowrate (L d-1)** | | --- | --- | --- | | I | 2 | 4.5 | | II | 5 | 1.8 | | III | 10 | 0.9 | | IV | 20 | 0.45 | | V | 40 | 0.225 | | VI | 80 | 0.113 | |

The raw NP Reservoir was first collected and transported to laboratory, then filtered using glass fiber membrane (0.7 μm)to remove phytoplankton, the filtrate was further sterilized to remove microorganisms that may produce MIB, such as actinomycetes. Then fill the 9 L culture barrels with this sterilized solution and the rest served as the dilution solution was stored and aerated in the black storage bucket to minimize potential MIB accumulation. The enriched pure *P. raciborskii* was first filtered using polyester fiber membrane (1.2 μm, Millipore, USA) to remove excess nutrients from the original culture solution and washed 3 times with ultrapure water. Then *P. raciborskii* was cultured into the culture barrels at cell density of 1× 107 cell L-1 with three replicates, the temperature and light intensity were 30 °C and 54 μmol photon m-2 s-1. The residence time setting (2, 5, 10, 20, 40, 80 day) in different barrels was achieved by adjusting the flow rate (4.5, 1.8, 0.9, 0.45, 0.225, 0.113 L d-1) of dilution solution pumped from the storage bucket. The 20 mL (10 mL for each sampling port and mixed into 20 mL) samples were taken every two days for odor compounds concentration and cell density quantification, the whole experiment was last for 19 days.

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| Table 3 The main water quality parameter in NP Reservoir (2017 ~ 2020, all values are expressed as mean values with standard deviations, variance analysis were performed to compare the differences (n = 71).).   | **Parameter** | **Spring** | **Summer** | **Fall** | **Winter** | ***p*-value** | | --- | --- | --- | --- | --- | --- | | MIBt (ng L-1) | 27.1 ± 25.9 | 35.5 ± 36.1 | 9.27 ± 11.2 | 9.78 ± 11.2 | *p* = 0.0334 | | GSMt (ng L-1) | 1.0 ± 0.0 | 2.9 ± 2.6 | 3.7 ± 2.9 | 1.9 ± 1.5 | *p* = 0.0425 | | Temp. (°C) | 22.5 ± 2.3 | 26.5 ± 1.3 | 25.1 ± 2.5 | 20.8 ± 3.7 | *p* < 0.0001 | | TP (μg L-1) | 41 ± 27 | 22 ± 13 | 36 ± 26 | 48 ± 44 | *p* = 0.1863 | | TN (μg L-1) | 1470 ± 167 | 1370 ± 500 | 1500 ± 455 | 1710 ± 357 | *p* = 0.3051 | | TOC (mg L-1) | 1.65 ± 0.16 | 1.76 ± 0.49 | 1.49 ± 0.29 | 1.40 ± 0.22 | *p* = 0.0565 | | pH | 8.5 ± 0.4 | 8.6 ± 0.5 | 8.1 ± 0.4 | 8.0 ± 0.4 | *p* = 0.0023 | | NO3-N (μg L-1) | 1030 ± 389 | 872 ± 404 | 1150 ± 301 | 1410 ± 250 | *p* = 0.0065 | | NH4-N (μg L-1) | 193 ± 77 | 159 ± 123 | 155 ± 123 | 94 ± 83 | *p* = 0.2090 | | DO (mg L-1) | 6.5 ± 1.5 | 6.6 ± 1.3 | 7.2 ± 1.4 | 7.3 ± 1.6 | *p* = 0.4690 | | COD (mg L-1) | 5.3 ± 1.4 | 6.1 ± 2.7 | 5.6 ± 1.9 | 5.2 ± 2.2 | *p* = 0.7364 | | Phytoplankton (×106 cell L-1) | 39.7 ± 38.2 | 54.1 ± 48.8 | 13.6 ± 19.6 | 9.6 ± 15.4 | *p* = 0.0084 | | HRT (d) | 25.8 ± 13.8 | 15.3 ± 3.9 | 16.8 ± 2.8 | 21.8 ± 5.7 | *p* = 0.0092 | |

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| Table 4 The MIB-producing cyanobacteria genera identified by *mic* sequence in NP Reservoir   | **Phylum** | **Order** | **Genus** | **July** | **August** | | --- | --- | --- | --- | --- | | Cyanobacteria | Synechococcales | *Pseudanabaena* | 83.6 % | 88.3 % | | Cyanobacteria | Oscillatoriales | *Planktothricoides* | 16.4 % | 11.7% | |

To identify the MIB-producing cyanobacteria genera in NP Reservoir, water samples were collected in July and August, 2020 when serious MIB episode occurred. The universal primer for MIB gene (*mic*) (Suruzzaman et al., 2022) was used to amplify samples genome and was Illumina MiSeq sequenced. The data was phylogenetic classification assigned using Silva 128 database. The result declared that the MIB-producers in NP Reservoir was *Pseudanabaena* and *Planktothricoides*.

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| Table 5 The differences of main limnological parameters characteristics between the periods with and without MIB episodes (MIB > 10 ng L-1), all values are expressed as mean values with standard deviations, variance analysis were performed to compare the differences (n = 45).   | **Parameters** | **MIB episodes** | **No MIB episodes** | ***p*-value** | | --- | --- | --- | --- | | MIBt (ng L-1) | 56.1 ± 26.2 | 8.3 ± 8.9 | *p* < 0.0001 | | GSMt (ng L-1) | 3.2 ± 2.6 | 2.3 ± 2.2 | *p* = 0.2721 | | Temp. (°C) | 24.9 ± 3.2 | 23.2 ± 3.4 | *p* = 0.1632 | | TP (μg L-1) | 33 ± 26 | 38 ± 33 | *p* = 0.6973 | | TOC (mg L-1) | 1.68 ± 0.40 | 1.55 ± 0.33 | *p* = 0.2857 | | TN (μg L-1) | 1505 ± 442 | 1523 ± 403 | *p* = 0.8980 | | pH | 8.3 ± 0.5 | 8.2 ± 0.5 | *p* = 0.5538 | | NO3-N (μg L-1) | 972 ± 277 | 1165 ± 408 | *p* = 0.1570 | | NH4-N (μg L-1) | 151 ± 119 | 149 ± 107 | *p* = 0.9675 | | DO (mg L-1) | 6.1 ± 1.4 | 7.2 ± 1.4 | *p* = 0.0257 | | COD (mg L-1) | 5.6 ± 2.6 | 5.5 ± 1.8 | *p* = 0.8614 | | Phytoplankton (×106 cell L-1) | 62.3 ± 52.1 | 18.1 ± 24.9 | *p* = 0.0008 | | HRT (d) | 20.2 ± 5.5 | 20.2 ± 9.8 | *p* = 0.9987 | |

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| Table 6 The summary of the main cyanobacteria specific growth rates under different culture conditions   | Genus | ρ10 | ρ50 | ρ90 | | --- | --- | --- | --- | | *Synechococcus* | 0.17 | 0.72 | 3.06 | | *Limnothrix* | 0.18 | 0.47 | 0.70 | | *Planktothrix* | 0.16 | 0.44 | 0.71 | | *Aphanizomenon* | 0.24 | 0.42 | 0.89 | | *Cylindrospermopsis* | 0.14 | 0.36 | 0.74 | | *Plectonema* | 0.11 | 0.34 | 2.06 | | *Microcystis* | 0.10 | 0.33 | 0.67 | | *Planktothricoides* | 0.17 | 0.33 | 1.18 | | *Microcoleus* | 0.17 | 0.29 | 1.25 | | *Oscillatoria* | 0.09 | 0.26 | 0.64 | | *Dolichospermum* | 0.10 | 0.20 | 0.99 | | *Pseudanabaena* | 0.03 | 0.20 | 0.25 | | *Phormidium* | 0.09 | 0.20 | 0.31 | | *Lyngbya* | 0.05 | 0.15 | 0.27 | |

The table above exhibits the growth rates of 14 typical cyanobacterial genera based on 1480 records from the references, where ρ\_{10}, ρ\_{50} and ρ\_{90} represent the 10th, 50th and 90th quantile values of the corresponding cyanobacterial genera growth rates, respectively. The raw data for these cyanobacterial growth rates and the corresponding references are summarised in an additional excel sheet.

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| Table 7 Main water quality parameters in ZXD reservoir during the investigation period (Apri 2021, n = 71), all values are expressed as mean values with standard deviations, variance analysis were performed to compare the differences.   | **Parameter** | **Bottom** | **Middle** | **Surface** | ***p*-value** | | --- | --- | --- | --- | --- | | MIBt (ng L-1) | 13.2 ± 7.6 | 15.5 ± 10.3 | 17.2 ± 10.3 | *p* = 0.3651 | | GSMt (ng L-1) | 4.6 ± 0.9 | 4.7 ± 0.2 | 4.8 ± 0.2 | *p* = 0.3885 | | MIBd (ng L-1) | 10.0 ± 5.8 | 11.3 ± 5.4 | 11.7 ± 5.7 | *p* = 0.5733 | | GSMd (ng L-1) | 6.3 ± 1.0 | 6.2 ± 0.8 | 6.2 ± 0.9 | *p* = 0.9785 | | TN (μg L-1) | 1587 ± 165 | 1629 ± 133 | 1626 ± 132 | *p* = 0.5374 | | TP (μg L-1) | 15 ± 4 | 15 ± 3 | 15 ± 2 | *p* = 0.7628 | | NH4-N (μg L-1) | 80 ± 71 | 67 ± 56 | 73 ± 50 | *p* = 0.7645 | | NO3-N (μg L-1) | 1438 ± 153 | 1441 ± 133 | 1435 ± 142 | *p* = 0.9866 | | pH | 8.4 ± 0.1 | 8.4 ± 0.1 | 8.4 ± 0.1 | *p* = 0.9002 | | DO (mg L-1) | 5.8 ± 2.2 | 7.7 ± 0.8 | 8.0 ± 0.5 | *p* < 0.0001 | | Turb. (NTU) | 17.2 ± 39.8 | 5.5 ± 6.3 | 4.7 ± 5.4 | *p* = 0.1245 | | Temp. (°C) | 21.5 ± 1.0 | 22.2 ± 0.8 | 22.8 ± 0.8 | *p* < 0.0001 | | Salinity (psu) | 0.16 ± 0.01 | 0.16 ± 0.01 | 0.16 ± 0.01 | *p* = 0.5897 | | Cond. (μs cm-1) | 342.9 ± 20.4 | 337.4 ± 15.4 | 337.9 ± 13.9 | *p* = 0.4739 | | TDS (mg L-1) | 221.5 ± 13.1 | 218.1 ± 10.0 | 218.8 ± 8.9 | *p* = 0.5300 | | Chl *a* (μg L-1) | 7.3 ± 14.8 | 7.8 ± 13.1 | 7.3 ± 6.3 | *p* = 0.9861 | | PC (μg L-1) | 0.1 ± 0.22 | 0.2 ± 0.2 | 0.3 ± 0.2 | *p* = 0.0191 | | ORP (mv) | -75.4 ± 214.4 | -75.9 ± 214.4 | -81.3 ± 216.0 | *p* = 0.9946 | |

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| Table 8 Main water quality in surface layer ZXD reservoir during the investigation period (Apri 2021, n = 71), all values are expressed as mean values with standard deviations, variance analysis were performed to compare the differences.   | **Parameter** | **ZXD01** | **ZXD02** | **ZXD03** | **ZXD04** | **ZXD05** | **ZXD06** | ***p*-value** | | --- | --- | --- | --- | --- | --- | --- | --- | | MIBt (ng L-1) | 16.3 ± 9.0 | 12.1 ± 9.2 | 16.9 ± 8.8 | 11.8 ± 11.0 | 16.4 ± 9.3 | 18.2 ± 9.8 | *p* = 0.4704 | | GSMt (ng L-1) | 4.8 ± 0.3 | 4.7 ± 0.1 | 4.7 ± 0.1 | 4.4 ± 1.1 | 4.8 ± 0.2 | 4.7 ± 0.2 | *p* = 0.3951 | | MIBd (ng L-1) | 11.1 ± 4.0 | 8.9 ± 5.9 | 11.2 ± 5.3 | 10.5 ± 7.3 | 12.4 ± 6.3 | 12.0 ± 4.8 | *p* = 0.7544 | | GSMd (ng L-1) | 6.9 ± 0.5 | 5.8 ± 0.7 | 5.9 ± 0.8 | 6.6 ± 1.0 | 6.2 ± 0.8 | 6.0 ± 1.1 | *p* = 0.0105 | | TN (μg L-1) | 1620 ± 62 | 1649 ± 136 | 1548 ± 137 | 1640 ± 203 | 1608 ± 160 | 1625 ± 131 | *p* = 0.6064 | | TP (μg L-1) | 15 ± 3 | 15 ± 3 | 14 ± 4 | 14 ± 3 | 16 ± 3 | 15 ± 3 | *p* = 0.8021 | | NH4-N (μg L-1) | 67 ± 59 | 71 ± 76 | 70 ± 59 | 81 ± 45 | 75 ± 67 | 74 ± 57 | *p* = 0.9955 | | NO3-N (μg L-1) | 1422 ± 63 | 1491 ± 110 | 1366 ± 166 | 1495 ± 189 | 1442 ± 145 | 1418 ± 120 | *p* = 0.2115 | | pH | 8.4 ± 0.1 | 8.4 ± 0.1 | 8.4 ± 0.1 | 8.4 ± 0.1 | 8.4 ± 0.1 | 8.4 ± 0.1 | *p* = 0.9492 | | DO (mg L-1) | 7.6 ± 0.8 | 7.2 ± 1.3 | 6.1 ± 2.8 | 7.3 ± 1.3 | 7.7 ± 0.9 | 7.2 ± 1.7 | *p* = 0.1643 | | Turb. (NTU) | 3.2 ± 2.0 | 29.5 ± 55.1 | 3.0 ± 2.6 | 7.9 ± 9.9 | 4.9 ± 5.4 | 7.4 ± 10.0 | *p* = 0.0593 | | Temp. (°C) | 22.3 ± 0.8 | 22.2 ± 1.4 | 21.8 ± 1.2 | 21.9 ± 0.9 | 22.5 ± 0.8 | 22.2 ± 0.9 | *p* = 0.6057 | | Salinity (psu) | 0.16 ± 0.01 | 0.16 ± 0.01 | 0.17 ± 0.01 | 0.16 ± 0.01 | 0.16 ± 0.01 | 0.16 ± 0.01 | *p* = 0.4115 | | Cond. (μs cm-1) | 332.0 ± 18.2 | 343.1 ± 17.2 | 344.6 ± 19.1 | 336.3 ± 16.2 | 341.4 ± 14.0 | 339.2 ± 15.2 | *p* = 0.4689 | | TDS (mg L-1) | 214.8 ± 11.6 | 221.7 ± 10.8 | 222.7 ± 12.1 | 217.3 ± 10.8 | 220.8 ± 8.9 | 219.3 ± 9.9 | *p* = 0.4936 | | Chl *a* (μg L-1) | 5.5 ± 3.9 | 18.4 ± 25.8 | 5.6 ± 5.5 | 4.2 ± 4.4 | 5.5 ± 4.8 | 6.6 ± 6.4 | *p* = 0.0352 | | PC (μg L-1) | 0.16 ± 0.16 | 0.30 ± 0.35 | 0.21 ± 0.21 | 0.17 ± 0.18 | 0.21 ± 0.17 | 0.22 ± 0.19 | *p* = 0.6865 | | ORP (mv) | -111.9 ± 232.9 | -88.6 ± 228.1 | -78.2 ± 223.5 | -62.3 ± 209.4 | -69.5 ± 213.1 | -55.7 ± 206.5 | *p* = 0.9911 | | SD (cm) | 163.3 ± 70.9 | 151.5 ± 69.8 | 160.0 ± 82.8 | 168.8 ± 106.9 | 150.0 ± 86.8 | 166.3 ± 76.0 | *p* = 0.9993 | | zmax (m) | 6.4 ± 1.3 | 4.5 ± 1.4 | 11.0 ± 0.5 | 6.7 ± 0.5 | 4.9 ± 0.3 | 7.0 ± 0.8 | *p* < 0.0001 | |

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| Table 9 Main water quality variation before and after construction in reservoir (considering all three layers, n = 71), all values are expressed as mean values with standard deviations, variance analysis were performed to compare the differences.   | **Parameter** | **Before** | **After** | ***p*-value** | | --- | --- | --- | --- | | MIBt (ng L-1) | 22.2 ± 8.7 | 8.6 ± 3.7 | *p* < 0.0001 | | GSMt (ng L-1) | 4.6 ± 0.8 | 4.7 ± 0.1 | *p* = 0.4035 | | MIBd (ng L-1) | 14.8 ± 5.4 | 7.4 ± 2.5 | *p* < 0.0001 | | GSMd (ng L-1) | 6.3± 1.0 | 6.2 ± 0.82 | *p* = 0.9307 | | TN (μg L-1) | 1563 ± 97 | 1664 ± 163 | *p* = 0.0023 | | TP (μg L-1) | 14 ± 2 | 15 ± 3 | *p* = 0.1520 | | NH4-N (μg L-1) | 98 ± 60 | 48± 46 | *p* = 0.0002 | | NO3-N (μg L-1) | 1368 ± 118 | 1507 ± 128 | *p* < 0.0001 | | pH | 8.4 ± 0.1 | 8.3± 0.1 | *p* < 0.0001 | | DO (mg L-1) | 6.8 ± 2.2 | 7.5 ± 0.9 | *p* = 0.0661 | | Turb. (NTU) | 6.0 ± 11.4 | 12.0 ± 31.0 | *p* = 0.2885 | | Temp. (°C) | 21.9 ± 1.1 | 22.4 ± 0.9 | *p* = 0.0490 | | Salinity (psu) | 0.17 ± 0.01 | 0.16 ± 0.01 | *p* < 0.0001 | | Cond. (μs cm-1) | 351.5 ± 12.4 | 327.6 ± 10.9 | *p* < 0.0001 | | TDS (mg L-1) | 227.2 ± 7.8 | 211.9 ± 7.1 | *p* < 0.0001 | | Chl *a* (μg L-1) | 11.3 ± 14.5 | 3.7 ± 6.5 | *p* = 0.0053 | | PC (μg L-1) | 0.30 ± 0.25 | 0.12 ± 0.11 | *p* = 0.0001 | | ORP (mv) | 41.3 ± 18.6 | -193.2 ± 248 | *p* < 0.0001 | | SD (cm) | 157.5 ± 19.1 | 162.4 ± 105.1 | *p* = 0.8748 | | zmix (m) | 4.0 ± 0.9 | 4.7 ± 2.8 | *p =* 0.7552 | | zmax (m) | 6.7 ± 2.6 | 6.8 ± 2.1 | *p* = 0.9401 | | HRT (day) | 18.0 ± 2.2 | 5.4 ± 0.8 | *p* < 0.0001 | |

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| Table 10 The summary of the main cyanobacteria specific growth rates under different culture conditions   | Genus/Strain | Nutrient cond. | Light (µE) | Temp. (°C) | Growth rate (d-1) | Ref. | | --- | --- | --- | --- | --- | --- | | *Aphanizomenon aphanizomenoides* |  |  | 28.8 | 0.36 | (Mehnert et al., 2010) | | *Aphanizomenon flos-aquae* |  |  | 25.0 | 1.11 | (Foy et al., 1976) | | *Aphanizomenon flos-aquae* |  |  | 22.0 | 0.16 | (Lehtimaki et al., 1997) | | *Aphanizomenon flos-aquae* |  |  | 24.7 | 0.27 | (Mehnert et al., 2010) | | *Aphanizomenon flos-aquae* |  |  | 30.0 | 0.22 | (Rapala et al., 1993) | | *Aphanizomenon flos-aquae* |  |  | 23.0 | 0.90 | (Tsujimura et al., 2001) | | *Aphanizomenon gracile* |  |  | 27.1 | 0.29 | (Mehnert et al., 2010) | | *Aphanizomenon gracile* |  |  | 20.0 | 0.42 | (Lürling et al., 2013) | | *Aphanizomenon gracile* |  |  | 25.0 | 0.58 | (Lürling et al., 2013) | | *Aphanizomenon gracile* |  |  | 37.5 | 0.81 | (Lürling et al., 2013) | | *Aphanizomenon gracile* |  |  | 12.5 | 0.75 | (Lürling et al., 2013) | | *Aphanizomenon gracile* |  |  | 27.5 | 0.87 | (Lürling et al., 2013) | | *Aphanizomenon gracile* |  |  | 37.5 | 0.85 | (Lürling et al., 2013) | | *Aphanizomenon ovalisporum* |  |  | 32.8 | 0.36 | (Mehnert et al., 2010) | | *Aphanizomenon* sp. |  |  | 25.0 | 0.28 | (Konopka and Brock, 1978) | | *Cylindrospermopsis raciborskii ACT-9502* | Z8 | 10.0 | 25.0 | 0.28 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii ACT-9502* | Z8 | 22.0 | 25.0 | 0.45 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii ACT-9502* | Z8 | 26.0 | 25.0 | 0.54 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii ACT-9502* | Z8 | 42.0 | 25.0 | 0.57 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii ACT-9502* | Z8 | 55.0 | 25.0 | 0.60 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii ACT-9502* | Z8 | 60.0 | 25.0 | 0.60 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii ACT-9502* | Z8 | 70.0 | 25.0 | 0.65 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii ACT-9502* | Z8 | 90.0 | 25.0 | 0.66 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii ACT-9502* | Z8 | 110.0 | 25.0 | 0.69 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii ACT-9502* | Z8 | 145.0 | 25.0 | 0.62 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii ACT-9502* | Z8 | 175.0 | 25.0 | 0.65 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii ACT-9502* | Z8 | 220.0 | 25.0 | 0.63 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii ACT-9502* | Z8 | 295.0 | 25.0 | 0.61 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii ACT-9502* | Z8 | 390.0 | 25.0 | 0.54 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii C1* | Modified JM | 10.0 | 20.0 | 0.20 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C1* | Modified JM | 10.0 | 20.0 | 0.21 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C1* | Modified JM | 10.0 | 20.0 | 0.21 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C1* | Modified JM | 10.0 | 28.0 | 0.22 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C1* | Modified JM | 10.0 | 28.0 | 0.21 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C1* | Modified JM | 10.0 | 28.0 | 0.21 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C1* | Modified JM | 30.0 | 20.0 | 0.34 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C1* | Modified JM | 30.0 | 20.0 | 0.37 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C1* | Modified JM | 30.0 | 20.0 | 0.32 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C1* | Modified JM | 30.0 | 28.0 | 0.43 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C1* | Modified JM | 30.0 | 28.0 | 0.42 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C1* | Modified JM | 30.0 | 28.0 | 0.45 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C1* | Modified JM | 50.0 | 20.0 | 0.37 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C1* | Modified JM | 50.0 | 20.0 | 0.32 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C1* | Modified JM | 50.0 | 20.0 | 0.30 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C1* | Modified JM | 50.0 | 28.0 | 0.49 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C1* | Modified JM | 50.0 | 28.0 | 0.53 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C1* | Modified JM | 50.0 | 28.0 | 0.47 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C1* | Modified JM | 100.0 | 20.0 | 0.27 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C1* | Modified JM | 100.0 | 20.0 | 0.30 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C1* | Modified JM | 100.0 | 20.0 | 0.29 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C1* | Modified JM | 100.0 | 28.0 | 0.30 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C1* | Modified JM | 100.0 | 28.0 | 0.36 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C1* | Modified JM | 100.0 | 28.0 | 0.32 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C3* | Modified JM | 10.0 | 20.0 | 0.29 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C3* | Modified JM | 10.0 | 20.0 | 0.29 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C3* | Modified JM | 10.0 | 20.0 | 0.23 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C3* | Modified JM | 10.0 | 28.0 | 0.21 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C3* | Modified JM | 10.0 | 28.0 | 0.22 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C3* | Modified JM | 10.0 | 28.0 | 0.21 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C3* | Modified JM | 30.0 | 20.0 | 0.32 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C3* | Modified JM | 30.0 | 20.0 | 0.27 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C3* | Modified JM | 30.0 | 20.0 | 0.32 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C3* | Modified JM | 30.0 | 28.0 | 0.26 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C3* | Modified JM | 30.0 | 28.0 | 0.31 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C3* | Modified JM | 30.0 | 28.0 | 0.26 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C3* | Modified JM | 50.0 | 20.0 | 0.41 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C3* | Modified JM | 50.0 | 20.0 | 0.37 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C3* | Modified JM | 50.0 | 20.0 | 0.44 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C3* | Modified JM | 50.0 | 28.0 | 0.60 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C3* | Modified JM | 50.0 | 28.0 | 0.62 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C3* | Modified JM | 50.0 | 28.0 | 0.69 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C3* | Modified JM | 100.0 | 20.0 | 0.36 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C3* | Modified JM | 100.0 | 20.0 | 0.41 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C3* | Modified JM | 100.0 | 20.0 | 0.37 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C3* | Modified JM | 100.0 | 28.0 | 0.33 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C3* | Modified JM | 100.0 | 28.0 | 0.43 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C3* | Modified JM | 100.0 | 28.0 | 0.39 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C6* | Modified JM | 10.0 | 20.0 | 0.18 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C6* | Modified JM | 10.0 | 20.0 | 0.15 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C6* | Modified JM | 10.0 | 20.0 | 0.18 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C6* | Modified JM | 10.0 | 28.0 | 0.20 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C6* | Modified JM | 10.0 | 28.0 | 0.20 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C6* | Modified JM | 10.0 | 28.0 | 0.21 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C6* | Modified JM | 30.0 | 20.0 | 0.30 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C6* | Modified JM | 30.0 | 20.0 | 0.32 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C6* | Modified JM | 30.0 | 20.0 | 0.37 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C6* | Modified JM | 30.0 | 28.0 | 0.31 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C6* | Modified JM | 30.0 | 28.0 | 0.34 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C6* | Modified JM | 30.0 | 28.0 | 0.33 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C6* | Modified JM | 50.0 | 20.0 | 0.30 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C6* | Modified JM | 50.0 | 20.0 | 0.27 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C6* | Modified JM | 50.0 | 20.0 | 0.31 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C6* | Modified JM | 50.0 | 28.0 | 0.38 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C6* | Modified JM | 50.0 | 28.0 | 0.35 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C6* | Modified JM | 50.0 | 28.0 | 0.32 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C6* | Modified JM | 100.0 | 20.0 | 0.27 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C6* | Modified JM | 100.0 | 20.0 | 0.32 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C6* | Modified JM | 100.0 | 20.0 | 0.27 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C6* | Modified JM | 100.0 | 28.0 | 0.44 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C6* | Modified JM | 100.0 | 28.0 | 0.44 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C6* | Modified JM | 100.0 | 28.0 | 0.47 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C9* | Modified JM | 10.0 | 20.0 | 0.36 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C9* | Modified JM | 10.0 | 20.0 | 0.20 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C9* | Modified JM | 10.0 | 20.0 | 0.29 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C9* | Modified JM | 10.0 | 28.0 | 0.20 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C9* | Modified JM | 10.0 | 28.0 | 0.24 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C9* | Modified JM | 10.0 | 28.0 | 0.23 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C9* | Modified JM | 30.0 | 28.0 | 0.41 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C9* | Modified JM | 30.0 | 28.0 | 0.41 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C9* | Modified JM | 30.0 | 28.0 | 0.43 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C9* | Modified JM | 50.0 | 20.0 | 0.30 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C9* | Modified JM | 50.0 | 20.0 | 0.36 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C9* | Modified JM | 50.0 | 20.0 | 0.36 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C9* | Modified JM | 50.0 | 28.0 | 0.37 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C9* | Modified JM | 50.0 | 28.0 | 0.32 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii C9* | Modified JM | 50.0 | 28.0 | 0.34 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii CIRF-01* |  |  | 20.0 | 0.40 | (Lürling et al., 2013) | | *Cylindrospermopsis raciborskii CIRF-01* |  |  | 25.0 | 0.74 | (Lürling et al., 2013) | | *Cylindrospermopsis raciborskii CIRF-01* |  |  | 22.5 | 0.81 | (Lürling et al., 2013) | | *Cylindrospermopsis raciborskii CIRF-01* |  |  | 27.5 | NA | (Lürling et al., 2013) | | *Cylindrospermopsis raciborskii CIRF-01* |  |  | 40.0 | 0.79 | (Lürling et al., 2013) | | *Cylindrospermopsis raciborskii CIRF-01* |  |  | 15.0 | 0.72 | (Lürling et al., 2013) | | *Cylindrospermopsis raciborskii CR1* | ASM-1 | 50.0 | 20.0 | 0.56 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR1* | ASM-1 | 50.0 | 25.0 | 0.98 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR1* | ASM-1 | 50.0 | 30.0 | 1.04 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR1* | ASM-1 | 50.0 | 35.0 | 0.87 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR1* | ASM-1 | 50.0 | 20.0 | 0.63 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR1* | ASM-1 | 50.0 | 25.0 | 1.20 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR1* | ASM-1 | 50.0 | 30.0 | 1.28 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR1* | ASM-1 | 50.0 | 35.0 | 0.92 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR1* | ASM-1 | 50.0 | 20.0 | 0.49 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR1* | ASM-1 | 50.0 | 25.0 | 0.76 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR1* | ASM-1 | 50.0 | 30.0 | 0.80 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR1* | ASM-1 | 50.0 | 35.0 | 0.81 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR2* | ASM-1 | 50.0 | 20.0 | 0.41 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR2* | ASM-1 | 50.0 | 25.0 | 1.09 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR2* | ASM-1 | 50.0 | 30.0 | 1.00 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR2* | ASM-1 | 50.0 | 35.0 | 0.81 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR2* | ASM-1 | 50.0 | 20.0 | 0.47 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR2* | ASM-1 | 50.0 | 25.0 | 1.30 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR2* | ASM-1 | 50.0 | 30.0 | 1.07 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR2* | ASM-1 | 50.0 | 35.0 | 0.87 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR2* | ASM-1 | 50.0 | 20.0 | 0.33 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR2* | ASM-1 | 50.0 | 25.0 | 0.87 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR2* | ASM-1 | 50.0 | 30.0 | 0.95 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR2* | ASM-1 | 50.0 | 35.0 | 0.75 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR3* | ASM-1 | 50.0 | 20.0 | 0.00 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR3* | ASM-1 | 50.0 | 25.0 | 0.45 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR3* | ASM-1 | 50.0 | 30.0 | 0.54 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR3* | ASM-1 | 50.0 | 35.0 | 0.45 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR3* | ASM-1 | 50.0 | 20.0 | 0.00 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR3* | ASM-1 | 50.0 | 25.0 | 0.70 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR3* | ASM-1 | 50.0 | 30.0 | 0.59 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR3* | ASM-1 | 50.0 | 35.0 | 0.46 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR3* | ASM-1 | 50.0 | 20.0 | 0.00 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR3* | ASM-1 | 50.0 | 25.0 | 0.20 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR3* | ASM-1 | 50.0 | 30.0 | 0.54 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR3* | ASM-1 | 50.0 | 35.0 | 0.46 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR4* | ASM-1 | 50.0 | 20.0 | 0.51 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR4* | ASM-1 | 50.0 | 25.0 | 0.87 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR4* | ASM-1 | 50.0 | 30.0 | 1.06 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR4* | ASM-1 | 50.0 | 35.0 | 0.71 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR4* | ASM-1 | 50.0 | 20.0 | 0.79 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR4* | ASM-1 | 50.0 | 25.0 | 1.23 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR4* | ASM-1 | 50.0 | 30.0 | 1.17 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR4* | ASM-1 | 50.0 | 35.0 | 0.93 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR4* | ASM-1 | 50.0 | 20.0 | 0.24 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR4* | ASM-1 | 50.0 | 25.0 | 0.52 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR4* | ASM-1 | 50.0 | 30.0 | 0.94 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR4* | ASM-1 | 50.0 | 35.0 | 0.48 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR5* | ASM-1 | 50.0 | 20.0 | 0.30 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR5* | ASM-1 | 50.0 | 25.0 | 0.91 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR5* | ASM-1 | 50.0 | 30.0 | 1.22 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR5* | ASM-1 | 50.0 | 35.0 | 1.11 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR5* | ASM-1 | 50.0 | 20.0 | 0.36 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR5* | ASM-1 | 50.0 | 25.0 | 1.07 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR5* | ASM-1 | 50.0 | 30.0 | 1.28 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR5* | ASM-1 | 50.0 | 35.0 | 1.40 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR5* | ASM-1 | 50.0 | 20.0 | 0.24 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR5* | ASM-1 | 50.0 | 25.0 | 0.78 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR5* | ASM-1 | 50.0 | 30.0 | 1.16 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR5* | ASM-1 | 50.0 | 35.0 | 0.81 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR6* | ASM-1 | 50.0 | 20.0 | 0.37 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR6* | ASM-1 | 50.0 | 25.0 | 0.86 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR6* | ASM-1 | 50.0 | 30.0 | 1.13 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR6* | ASM-1 | 50.0 | 35.0 | 0.90 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR6* | ASM-1 | 50.0 | 20.0 | 0.38 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR6* | ASM-1 | 50.0 | 25.0 | 1.15 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR6* | ASM-1 | 50.0 | 30.0 | 1.32 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR6* | ASM-1 | 50.0 | 35.0 | 1.03 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR6* | ASM-1 | 50.0 | 20.0 | 0.37 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR6* | ASM-1 | 50.0 | 25.0 | 0.57 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR6* | ASM-1 | 50.0 | 30.0 | 0.97 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR6* | ASM-1 | 50.0 | 35.0 | 0.75 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR7* | ASM-1 | 50.0 | 20.0 | 0.45 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR7* | ASM-1 | 50.0 | 25.0 | 0.70 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR7* | ASM-1 | 50.0 | 30.0 | 1.18 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR7* | ASM-1 | 50.0 | 35.0 | 1.18 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR7* | ASM-1 | 50.0 | 20.0 | 0.50 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR7* | ASM-1 | 50.0 | 25.0 | 0.70 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR7* | ASM-1 | 50.0 | 30.0 | 1.39 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR7* | ASM-1 | 50.0 | 35.0 | 1.49 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR7* | ASM-1 | 50.0 | 20.0 | 0.39 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR7* | ASM-1 | 50.0 | 25.0 | 0.69 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR7* | ASM-1 | 50.0 | 30.0 | 0.96 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CR7* | ASM-1 | 50.0 | 35.0 | 0.77 | (Saker and Griffiths, 2000) | | *Cylindrospermopsis raciborskii CYP-026J* | Z8 | 11.0 | 25.0 | 0.33 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii CYP-026J* | Z8 | 22.0 | 25.0 | 0.49 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii CYP-026J* | Z8 | 38.0 | 25.0 | 0.61 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii CYP-026J* | Z8 | 45.0 | 25.0 | 0.62 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii CYP-026J* | Z8 | 52.0 | 25.0 | 0.64 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii CYP-026J* | Z8 | 58.0 | 25.0 | 0.73 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii CYP-026J* | Z8 | 60.0 | 25.0 | 0.60 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii CYP-026J* | Z8 | 68.0 | 25.0 | 0.69 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii CYP-026J* | Z8 | 135.0 | 25.0 | 0.73 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii CYP-026J* | Z8 | 160.0 | 25.0 | 0.63 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii CYP-026J* | Z8 | 211.0 | 25.0 | 0.59 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii CYP-026J* | Z8 | 265.0 | 25.0 | 0.70 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii CYP-026J* | Z8 | 380.0 | 25.0 | 0.60 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii ITEP-A3* | Z8 | 10.0 | 25.0 | 0.33 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii ITEP-A3* | Z8 | 11.0 | 25.0 | 0.26 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii ITEP-A3* | Z8 | 22.0 | 25.0 | 0.47 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii ITEP-A3* | Z8 | 50.0 | 25.0 | 0.73 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii ITEP-A3* | Z8 | 70.0 | 25.0 | 0.73 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii ITEP-A3* | Z8 | 90.0 | 25.0 | 0.74 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii ITEP-A3* | Z8 | 110.0 | 25.0 | 0.79 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii ITEP-A3* | Z8 | 145.0 | 25.0 | 0.71 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii ITEP-A3* | Z8 | 180.0 | 25.0 | 0.74 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii ITEP-A3* | Z8 | 225.0 | 25.0 | 0.70 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii ITEP-A3* | Z8 | 290.0 | 25.0 | 0.70 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii ITEP-A3* | Z8 | 400.0 | 25.0 | 0.56 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 5.0 | 26.0 | 0.12 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 15.0 | 26.0 | 0.35 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 35.0 | 26.0 | 0.49 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 45.0 | 26.0 | 0.53 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 60.0 | 26.0 | 0.54 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 80.0 | 26.0 | 0.59 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 78.0 | 26.0 | 0.65 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 100.0 | 26.0 | 0.71 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 125.0 | 26.0 | 0.39 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 150.0 | 26.0 | 0.73 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 5.0 | 26.0 | 0.23 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 15.0 | 26.0 | 0.45 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 35.0 | 26.0 | 0.53 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 70.0 | 26.0 | 0.50 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 80.0 | 26.0 | 0.69 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 78.0 | 26.0 | 0.87 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 100.0 | 26.0 | 0.59 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 110.0 | 26.0 | 0.51 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 150.0 | 26.0 | 0.46 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 5.0 | 26.0 | 0.14 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 15.0 | 26.0 | 0.40 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 35.0 | 26.0 | 0.58 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 45.0 | 26.0 | 0.45 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 75.0 | 26.0 | 0.65 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 80.0 | 26.0 | 0.76 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 125.0 | 26.0 | 0.38 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 100.0 | 26.0 | 0.74 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 70.0 | 26.0 | 0.55 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 145.0 | 26.0 | 0.53 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 5.0 | 26.0 | 0.18 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 35.0 | 26.0 | 0.52 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 45.0 | 26.0 | 0.46 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 90.0 | 26.0 | 0.57 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 100.0 | 26.0 | 0.72 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 120.0 | 26.0 | 0.73 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii MVCC14* | BG11 | 145.0 | 26.0 | 0.50 | (Bonilla et al., 2012) | | *Cylindrospermopsis raciborskii PMC117.02* | Z8 | 10.0 | 25.0 | 0.26 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC117.02* | Z8 | 15.0 | 25.0 | 0.33 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC117.02* | Z8 | 22.0 | 25.0 | 0.47 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC117.02* | Z8 | 32.0 | 25.0 | 0.39 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC117.02* | Z8 | 36.0 | 25.0 | 0.59 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC117.02* | Z8 | 40.0 | 25.0 | 0.45 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC117.02* | Z8 | 85.0 | 25.0 | 0.45 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC117.02* | Z8 | 117.0 | 25.0 | 0.50 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC117.02* | Z8 | 145.0 | 25.0 | 0.54 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC117.02* | Z8 | 178.0 | 25.0 | 0.56 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC117.02* | Z8 | 210.0 | 25.0 | 0.57 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC117.02* | Z8 | 245.0 | 25.0 | 0.56 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC117.02* | Z8 | 290.0 | 25.0 | 0.57 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC117.02* | Z8 | 360.0 | 25.0 | 0.55 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC117.02* | Z8 | 400.0 | 25.0 | 0.56 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC117.02* | Z8 | 486.0 | 25.0 | 0.54 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC98.14* | Z8 | 10.0 | 25.0 | 0.37 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC98.14* | Z8 | 22.0 | 25.0 | 0.50 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC98.14* | Z8 | 26.0 | 25.0 | 0.64 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC98.14* | Z8 | 42.0 | 25.0 | 0.67 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC98.14* | Z8 | 51.0 | 25.0 | 0.68 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC98.14* | Z8 | 55.0 | 25.0 | 0.68 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC98.14* | Z8 | 75.0 | 25.0 | 0.70 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC98.14* | Z8 | 86.0 | 25.0 | 0.72 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC98.14* | Z8 | 110.0 | 25.0 | 0.64 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC98.14* | Z8 | 125.0 | 25.0 | 0.64 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC98.14* | Z8 | 165.0 | 25.0 | 0.68 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC98.14* | Z8 | 200.0 | 25.0 | 0.65 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC98.14* | Z8 | 280.0 | 25.0 | 0.64 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC98.14* | Z8 | 380.0 | 25.0 | 0.54 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC98.14* | Z8 | 30.0 | 15.0 | 0.08 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC98.14* | Z8 | 30.0 | 20.0 | 0.25 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC98.14* | Z8 | 30.0 | 25.0 | 0.41 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC98.14* | Z8 | 30.0 | 30.0 | 0.42 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC98.14* | Z8 | 30.0 | 35.0 | 0.38 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC98.14* | Z8 | 30.0 | 40.0 | 0.17 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC99.12* | Z8 | 10.0 | 25.0 | 0.32 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC99.12* | Z8 | 22.0 | 25.0 | 0.44 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC99.12* | Z8 | 42.0 | 25.0 | 0.53 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC99.12* | Z8 | 26.0 | 25.0 | 0.49 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC99.12* | Z8 | 51.0 | 25.0 | 0.54 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC99.12* | Z8 | 60.0 | 25.0 | 0.56 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC99.12* | Z8 | 90.0 | 25.0 | 0.56 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC99.12* | Z8 | 110.0 | 25.0 | 0.58 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC99.12* | Z8 | 125.0 | 25.0 | 0.64 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC99.12* | Z8 | 140.0 | 25.0 | 0.56 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC99.12* | Z8 | 175.0 | 25.0 | 0.63 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC99.12* | Z8 | 210.0 | 25.0 | 0.62 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC99.12* | Z8 | 275.0 | 25.0 | 0.59 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii PMC99.12* | Z8 | 365.0 | 25.0 | 0.57 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii WC01* | Modified JM | 15.0 | 28.0 | 0.16 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WC01* | Modified JM | 15.0 | 28.0 | 0.15 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WC01* | Modified JM | 15.0 | 28.0 | 0.14 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WC02* | Modified JM | 15.0 | 28.0 | 0.16 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WC02* | Modified JM | 15.0 | 28.0 | 0.17 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WC02* | Modified JM | 15.0 | 28.0 | 0.18 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WC03* | Modified JM | 15.0 | 28.0 | 0.22 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WC03* | Modified JM | 15.0 | 28.0 | 0.21 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WC03* | Modified JM | 15.0 | 28.0 | 0.20 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WC03* | Modified JM | 10.0 | 20.0 | 0.27 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC03* | Modified JM | 10.0 | 20.0 | 0.27 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC03* | Modified JM | 10.0 | 20.0 | 0.29 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC03* | Modified JM | 30.0 | 20.0 | 0.18 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC03* | Modified JM | 30.0 | 20.0 | 0.20 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC03* | Modified JM | 30.0 | 20.0 | 0.19 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC03* | Modified JM | 10.0 | 28.0 | 0.23 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC03* | Modified JM | 10.0 | 28.0 | 0.23 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC03* | Modified JM | 10.0 | 28.0 | 0.24 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC03* | Modified JM | 30.0 | 28.0 | 0.34 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC03* | Modified JM | 30.0 | 28.0 | 0.34 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC03* | Modified JM | 30.0 | 28.0 | 0.33 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC03* | Modified JM | 50.0 | 20.0 | 0.36 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC03* | Modified JM | 50.0 | 20.0 | 0.38 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC03* | Modified JM | 50.0 | 20.0 | 0.36 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC03* | Modified JM | 50.0 | 28.0 | 0.34 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC03* | Modified JM | 50.0 | 28.0 | 0.36 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC03* | Modified JM | 50.0 | 28.0 | 0.34 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC03* | Modified JM | 100.0 | 20.0 | 0.26 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC03* | Modified JM | 100.0 | 20.0 | 0.30 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC03* | Modified JM | 100.0 | 20.0 | 0.22 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC03* | Modified JM | 100.0 | 28.0 | 0.43 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC03* | Modified JM | 100.0 | 28.0 | 0.44 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC03* | Modified JM | 100.0 | 28.0 | 0.36 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC04* | Modified JM | 15.0 | 28.0 | 0.17 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WC04* | Modified JM | 15.0 | 28.0 | 0.18 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WC04* | Modified JM | 15.0 | 28.0 | 0.19 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WC05* | Modified JM | 15.0 | 28.0 | 0.18 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WC05* | Modified JM | 15.0 | 28.0 | 0.17 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WC05* | Modified JM | 15.0 | 28.0 | 0.16 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WC05* | Modified JM | 10.0 | 20.0 | 0.30 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC05* | Modified JM | 10.0 | 20.0 | 0.30 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC05* | Modified JM | 10.0 | 20.0 | 0.28 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC05* | Modified JM | 30.0 | 20.0 | 0.26 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC05* | Modified JM | 30.0 | 20.0 | 0.26 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC05* | Modified JM | 30.0 | 20.0 | 0.24 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC05* | Modified JM | 10.0 | 28.0 | 0.22 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC05* | Modified JM | 10.0 | 28.0 | 0.22 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC05* | Modified JM | 10.0 | 28.0 | 0.22 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC05* | Modified JM | 30.0 | 28.0 | 0.29 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC05* | Modified JM | 30.0 | 28.0 | 0.27 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC05* | Modified JM | 30.0 | 28.0 | 0.26 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC05* | Modified JM | 50.0 | 20.0 | 0.28 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC05* | Modified JM | 50.0 | 20.0 | 0.28 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC05* | Modified JM | 50.0 | 20.0 | 0.24 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC05* | Modified JM | 50.0 | 28.0 | 0.25 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC05* | Modified JM | 50.0 | 28.0 | 0.28 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC05* | Modified JM | 50.0 | 28.0 | 0.34 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC05* | Modified JM | 100.0 | 20.0 | 0.39 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC05* | Modified JM | 100.0 | 20.0 | 0.41 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC05* | Modified JM | 100.0 | 20.0 | 0.37 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC05* | Modified JM | 100.0 | 28.0 | 0.39 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC05* | Modified JM | 100.0 | 28.0 | 0.38 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC05* | Modified JM | 100.0 | 28.0 | 0.33 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC06* | Modified JM | 15.0 | 28.0 | 0.18 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WC06* | Modified JM | 15.0 | 28.0 | 0.18 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WC06* | Modified JM | 15.0 | 28.0 | 0.18 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WC07* | Modified JM | 15.0 | 28.0 | 0.22 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WC07* | Modified JM | 15.0 | 28.0 | 0.21 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WC07* | Modified JM | 15.0 | 28.0 | 0.20 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WC09* | Modified JM | 10.0 | 20.0 | 0.27 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC09* | Modified JM | 10.0 | 20.0 | 0.31 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC09* | Modified JM | 10.0 | 20.0 | 0.31 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC09* | Modified JM | 30.0 | 20.0 | 0.32 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC09* | Modified JM | 30.0 | 20.0 | 0.28 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC09* | Modified JM | 30.0 | 20.0 | 0.35 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC09* | Modified JM | 10.0 | 28.0 | 0.25 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC09* | Modified JM | 10.0 | 28.0 | 0.22 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC09* | Modified JM | 10.0 | 28.0 | 0.20 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC09* | Modified JM | 30.0 | 28.0 | 0.35 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC09* | Modified JM | 30.0 | 28.0 | 0.36 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC09* | Modified JM | 30.0 | 28.0 | 0.33 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC09* | Modified JM | 50.0 | 20.0 | 0.26 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC09* | Modified JM | 50.0 | 20.0 | 0.27 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC09* | Modified JM | 50.0 | 20.0 | 0.33 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC09* | Modified JM | 50.0 | 28.0 | 0.35 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC09* | Modified JM | 50.0 | 28.0 | 0.29 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC09* | Modified JM | 50.0 | 28.0 | 0.38 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC09* | Modified JM | 100.0 | 20.0 | 0.21 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC09* | Modified JM | 100.0 | 20.0 | 0.20 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC09* | Modified JM | 100.0 | 20.0 | 0.22 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC09* | Modified JM | 100.0 | 28.0 | 0.30 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC09* | Modified JM | 100.0 | 28.0 | 0.32 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WC09* | Modified JM | 100.0 | 28.0 | 0.35 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS01* | Modified JM | 15.0 | 28.0 | 0.12 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS01* | Modified JM | 15.0 | 28.0 | 0.13 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS01* | Modified JM | 15.0 | 28.0 | 0.11 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS01* | Modified JM | 10.0 | 20.0 | 0.27 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS01* | Modified JM | 10.0 | 20.0 | 0.21 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS01* | Modified JM | 10.0 | 20.0 | 0.19 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS01* | Modified JM | 10.0 | 28.0 | 0.32 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS01* | Modified JM | 10.0 | 28.0 | 0.34 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS01* | Modified JM | 10.0 | 28.0 | 0.34 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS01* | Modified JM | 30.0 | 20.0 | 0.21 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS01* | Modified JM | 30.0 | 20.0 | 0.28 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS01* | Modified JM | 30.0 | 20.0 | 0.28 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS01* | Modified JM | 30.0 | 28.0 | 0.32 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS01* | Modified JM | 30.0 | 28.0 | 0.40 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS01* | Modified JM | 30.0 | 28.0 | 0.36 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS01* | Modified JM | 50.0 | 20.0 | 0.34 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS01* | Modified JM | 50.0 | 20.0 | 0.26 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS01* | Modified JM | 50.0 | 20.0 | 0.26 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS01* | Modified JM | 50.0 | 28.0 | 0.36 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS01* | Modified JM | 50.0 | 28.0 | 0.32 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS01* | Modified JM | 50.0 | 28.0 | 0.37 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS01* | Modified JM | 100.0 | 20.0 | 0.45 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS01* | Modified JM | 100.0 | 20.0 | 0.46 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS01* | Modified JM | 100.0 | 20.0 | 0.45 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS01* | Modified JM | 100.0 | 28.0 | 0.39 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS01* | Modified JM | 100.0 | 28.0 | 0.44 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS01* | Modified JM | 100.0 | 28.0 | 0.36 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS02* | Modified JM | 15.0 | 28.0 | 0.10 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS02* | Modified JM | 15.0 | 28.0 | 0.12 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS02* | Modified JM | 15.0 | 28.0 | 0.08 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS03* | Modified JM | 15.0 | 28.0 | 0.13 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS03* | Modified JM | 15.0 | 28.0 | 0.17 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS03* | Modified JM | 15.0 | 28.0 | 0.21 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS04* | Modified JM | 15.0 | 28.0 | 0.15 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS04* | Modified JM | 15.0 | 28.0 | 0.21 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS04* | Modified JM | 15.0 | 28.0 | 0.09 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS05* | Modified JM | 15.0 | 28.0 | 0.15 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS05* | Modified JM | 15.0 | 28.0 | 0.15 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS05* | Modified JM | 15.0 | 28.0 | 0.15 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS05* | Modified JM | 10.0 | 20.0 | 0.17 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS05* | Modified JM | 10.0 | 20.0 | 0.16 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS05* | Modified JM | 10.0 | 20.0 | 0.17 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS05* | Modified JM | 10.0 | 28.0 | 0.32 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS05* | Modified JM | 10.0 | 28.0 | 0.34 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS05* | Modified JM | 10.0 | 28.0 | 0.24 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS05* | Modified JM | 30.0 | 20.0 | 0.27 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS05* | Modified JM | 30.0 | 20.0 | 0.26 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS05* | Modified JM | 30.0 | 20.0 | 0.29 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS05* | Modified JM | 30.0 | 28.0 | 0.33 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS05* | Modified JM | 30.0 | 28.0 | 0.37 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS05* | Modified JM | 30.0 | 28.0 | 0.42 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS05* | Modified JM | 50.0 | 20.0 | 0.31 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS05* | Modified JM | 50.0 | 20.0 | 0.30 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS05* | Modified JM | 50.0 | 20.0 | 0.32 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS05* | Modified JM | 50.0 | 28.0 | 0.42 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS05* | Modified JM | 50.0 | 28.0 | 0.41 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS05* | Modified JM | 50.0 | 28.0 | 0.41 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS05* | Modified JM | 100.0 | 20.0 | 0.35 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS05* | Modified JM | 100.0 | 20.0 | 0.38 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS05* | Modified JM | 100.0 | 20.0 | 0.36 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS05* | Modified JM | 100.0 | 28.0 | 0.49 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS05* | Modified JM | 100.0 | 28.0 | 0.51 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS05* | Modified JM | 100.0 | 28.0 | 0.51 | (Xiao et al., 2017) | | *Cylindrospermopsis raciborskii WS06* | Modified JM | 15.0 | 28.0 | 0.15 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS06* | Modified JM | 15.0 | 28.0 | 0.16 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS06* | Modified JM | 15.0 | 28.0 | 0.14 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS07* | Modified JM | 15.0 | 28.0 | 0.10 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS07* | Modified JM | 15.0 | 28.0 | 0.11 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS07* | Modified JM | 15.0 | 28.0 | 0.12 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS08* | Modified JM | 15.0 | 28.0 | 0.11 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS08* | Modified JM | 15.0 | 28.0 | 0.12 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS08* | Modified JM | 15.0 | 28.0 | 0.10 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS09* | Modified JM | 15.0 | 28.0 | 0.12 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS09* | Modified JM | 15.0 | 28.0 | 0.14 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS09* | Modified JM | 15.0 | 28.0 | 0.16 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS10* | Modified JM | 15.0 | 28.0 | 0.14 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS10* | Modified JM | 15.0 | 28.0 | 0.13 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS10* | Modified JM | 15.0 | 28.0 | 0.12 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS11* | Modified JM | 15.0 | 28.0 | 0.13 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS11* | Modified JM | 15.0 | 28.0 | 0.14 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS11* | Modified JM | 15.0 | 28.0 | 0.15 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS12* | Modified JM | 15.0 | 28.0 | 0.19 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS12* | Modified JM | 15.0 | 28.0 | 0.18 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS12* | Modified JM | 15.0 | 28.0 | 0.17 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS13* | Modified JM | 15.0 | 28.0 | 0.15 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS13* | Modified JM | 15.0 | 28.0 | 0.17 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS13* | Modified JM | 15.0 | 28.0 | 0.19 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS14* | Modified JM | 15.0 | 28.0 | 0.15 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS14* | Modified JM | 15.0 | 28.0 | 0.14 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS14* | Modified JM | 15.0 | 28.0 | 0.13 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS15* | Modified JM | 15.0 | 28.0 | 0.14 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS15* | Modified JM | 15.0 | 28.0 | 0.15 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS15* | Modified JM | 15.0 | 28.0 | 0.16 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS16* | Modified JM | 15.0 | 28.0 | 0.18 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS16* | Modified JM | 15.0 | 28.0 | 0.17 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS16* | Modified JM | 15.0 | 28.0 | 0.16 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS17* | Modified JM | 15.0 | 28.0 | 0.14 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS17* | Modified JM | 15.0 | 28.0 | 0.15 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii WS17* | Modified JM | 15.0 | 28.0 | 0.16 | (Willis et al., 2016) | | *Cylindrospermopsis raciborskii floridaD* | WC | 100.0 | 15.0 | -0.08 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaD* | WC | 100.0 | 15.0 | -0.08 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaD* | WC | 100.0 | 15.0 | -0.10 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaD* | WC | 100.0 | 15.0 | -0.09 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaD* | WC | 100.0 | 20.0 | 0.17 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaD* | WC | 100.0 | 20.0 | 0.17 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaD* | WC | 100.0 | 20.0 | 0.16 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaD* | WC | 100.0 | 20.0 | 0.17 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaD* | WC | 100.0 | 25.0 | 0.40 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaD* | WC | 100.0 | 25.0 | 0.39 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaD* | WC | 100.0 | 25.0 | 0.39 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaD* | WC | 100.0 | 25.0 | 0.39 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaD* | WC | 100.0 | 30.0 | 0.53 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaD* | WC | 100.0 | 30.0 | 0.52 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaD* | WC | 100.0 | 30.0 | 0.51 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaD* | WC | 100.0 | 30.0 | 0.52 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaD* | WC | 100.0 | 35.0 | 0.45 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaD* | WC | 100.0 | 35.0 | 0.44 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaD* | WC | 100.0 | 35.0 | 0.43 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaD* | WC | 100.0 | 35.0 | 0.45 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaE* | WC | 100.0 | 15.0 | -0.04 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaE* | WC | 100.0 | 15.0 | -0.03 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaE* | WC | 100.0 | 15.0 | -0.01 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaE* | WC | 100.0 | 15.0 | -0.02 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaE* | WC | 100.0 | 20.0 | 0.14 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaE* | WC | 100.0 | 20.0 | 0.13 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaE* | WC | 100.0 | 20.0 | 0.12 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaE* | WC | 100.0 | 20.0 | 0.12 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaE* | WC | 100.0 | 30.0 | 0.49 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaE* | WC | 100.0 | 30.0 | 0.47 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaE* | WC | 100.0 | 30.0 | 0.45 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaE* | WC | 100.0 | 30.0 | 0.46 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaE* | WC | 100.0 | 40.0 | -0.03 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaE* | WC | 100.0 | 40.0 | -0.05 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaE* | WC | 100.0 | 40.0 | -0.07 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaE* | WC | 100.0 | 40.0 | -0.05 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaE* | WC | 100.0 | 35.0 | 0.33 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaE* | WC | 100.0 | 35.0 | 0.32 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaE* | WC | 100.0 | 35.0 | 0.32 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii floridaE* | WC | 100.0 | 35.0 | 0.36 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii indiana* | WC | 100.0 | 15.0 | -0.04 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii indiana* | WC | 100.0 | 15.0 | -0.02 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii indiana* | WC | 100.0 | 15.0 | -0.03 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii indiana* | WC | 100.0 | 15.0 | -0.03 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii indiana* | WC | 100.0 | 20.0 | 0.24 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii indiana* | WC | 100.0 | 20.0 | 0.23 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii indiana* | WC | 100.0 | 20.0 | 0.21 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii indiana* | WC | 100.0 | 20.0 | 0.20 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii indiana* | WC | 100.0 | 25.0 | 0.38 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii indiana* | WC | 100.0 | 25.0 | 0.36 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii indiana* | WC | 100.0 | 25.0 | 0.37 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii indiana* | WC | 100.0 | 25.0 | 0.36 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii indiana* | WC | 100.0 | 35.0 | 0.53 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii indiana* | WC | 100.0 | 35.0 | 0.50 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii indiana* | WC | 100.0 | 35.0 | 0.45 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii indiana* | WC | 100.0 | 35.0 | 0.48 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii indiana* | WC | 100.0 | 30.0 | 0.51 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii indiana* | WC | 100.0 | 30.0 | 0.50 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii indiana* | WC | 100.0 | 30.0 | 0.48 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii indiana* | WC | 100.0 | 30.0 | 0.49 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii indiana* | WC | 100.0 | 40.0 | -0.10 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii indiana* | WC | 100.0 | 40.0 | -0.16 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii indiana* | WC | 100.0 | 40.0 | -0.13 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii indiana* | WC | 100.0 | 40.0 | -0.12 | (Thomas and Litchman, 2015) | | *Cylindrospermopsis raciborskii* |  |  | 30.0 | 0.00 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii* |  |  | 29.0 | 0.60 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii* |  |  | 31.0 | 0.70 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii* |  |  | 30.0 | 0.40 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii* |  |  | 29.0 | 0.60 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii* |  |  | 29.0 | 0.80 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii* |  |  | 29.0 | 0.70 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii* |  |  | 31.0 | 0.40 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii* |  |  | 30.0 | 0.50 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii* |  |  | 30.0 | 0.50 | (Briand et al., 2004) | | *Cylindrospermopsis raciborskii* |  |  | 27.8 | 0.34 | (Mehnert et al., 2010) | | *Cylindrospermopsis raciborskii* |  |  | 28.0 | 0.58 | (Saker et al., 1999) | | *Cylindrospermopsis raciborskii* |  |  | 32.0 | 0.71 | (Soares et al., 2010) | | *Cylindrospermopsis raciborskii* |  | 133.4 ± 13.5 | 31.3 ± 19.0 | 0.77 | (Xiao et al., 2020) | | *Dolichospermum aphanizomenoides* |  |  | 35.0 | 1.46 | (Sabour et al., 2009) | | *Dolichospermum bergii* |  |  | 26.5 | 0.25 | (Mehnert et al., 2010) | | *Dolichospermum circinalis Ana318* | ASM | 100.0 | 25.0 | 0.12 | (Li et al., 2012) | | *Dolichospermum circinalis Ana318* | ASM | 10.0 | 25.0 | 0.11 | (Li et al., 2012) | | *Dolichospermum circinalis Ana318* | ASM | 100.0 | 18.0 | 0.13 | (Li et al., 2012) | | *Dolichospermum circinalis Ana318* | ASM | 10.0 | 18.0 | 0.12 | (Li et al., 2012) | | *Dolichospermum flos-aquae* |  |  | 20.0 | 0.78 | (Foy et al., 1976) | | *Dolichospermum flos-aquae* |  |  | 39.0 | 1.01 | (Novak and Brune, 1985) | | *Dolichospermum flos-aquae* |  |  | 20.0 | 0.20 | (Rapala et al., 1993) | | *Dolichospermum flos-aquae* |  |  | 20.0 | 0.19 | (Rapala et al., 1993) | | *Dolichospermum macrospora* |  |  | 25.5 | 0.19 | (Mehnert et al., 2010) | | *Dolichospermum mendotae* |  |  | 20.0 | 0.20 | (Rapala et al., 1993) | | *Dolichospermum smithii* | CT | 60.0 | 28.0 | 0.21 | (Shen et al., 2020) | | *Dolichospermum smithii* | CT(N elevated) | 60.0 | 28.0 | 0.22 | (Shen et al., 2020) | | *Dolichospermum spiroides* |  |  | 24.0 | 0.77 | (Seki et al., 1981) | | *Dolichospermum ucrainica CHAB 2155* | CT | 30.0 | 10.0 | -0.04 | (Wang and Li, 2015) | | *Dolichospermum ucrainica CHAB 2155* | CT | 30.0 | 25.0 | 0.09 | (Wang and Li, 2015) | | *Dolichospermum ucrainica CHAB 2155* | CT | 30.0 | 35.0 | 0.10 | (Wang and Li, 2015) | | *Dolichospermum ucrainica CHAB 2155* | CT | 10.0 | 25.0 | 0.08 | (Wang and Li, 2015) | | *Dolichospermum ucrainica CHAB 2155* | CT | 60.0 | 25.0 | 0.10 | (Wang and Li, 2015) | | *Dolichospermum ukrainica* |  |  | 26.0 | 0.78 | (Tsujimura and Okubo, 2003) | | *Dolichospermum variabilis* |  |  | 35.0 | 1.20 | (Kratz and Myers, 1955) | | *Dolichospermum variabilis* |  |  | 30.0 | 0.15 | (Wang et al., 2007) | | *Dolichospermum* sp. |  |  | 25.0 | 0.13 | (Konopka and Brock, 1978) | | *Dolichospermum* sp. |  |  | 32.0 | 1.25 | (Nalewajko and Murphy, 2001) | | *Dolichospermum* sp. |  |  | 20.0 | 0.15 | (Rapala et al., 1997) | | *Dolichospermum* sp. |  |  | 25.0 | 0.14 | (Rapala et al., 1997) | | *Dolichospermum* sp. |  |  | 28.0 | 0.80 | (Vincent and Silvester, 1979) | | *Dolichospermum sp. PCC7122* |  |  | 20.0 | 0.46 | (Lürling et al., 2013) | | *Dolichospermum sp. PCC7122* |  |  | 25.0 | 0.93 | (Lürling et al., 2013) | | *Dolichospermum sp. PCC7122* |  |  | 27.5 | 0.75 | (Lürling et al., 2013) | | *Dolichospermum sp. PCC7122* |  |  | 30.0 | NA | (Lürling et al., 2013) | | *Dolichospermum sp. PCC7122* |  |  | 32.5 | 0.53 | (Lürling et al., 2013) | | *Dolichospermum sp. PCC7122* |  |  | 35.0 | 0.58 | (Lürling et al., 2013) | | *Limnothrix redeckei* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.15 | (Tiwari et al., 2001) | | *Limnothrix redekei* | MV-NH4 | 120.0 | 10.0 | 0.17 | (Nicklisch, 1999) | | *Limnothrix redekei* | MV-NH4 | 120.0 | 15.0 | 0.53 | (Nicklisch, 1999) | | *Limnothrix redekei* |  |  |  | 0.10 | (Nicklisch, 1992) | | *Limnothrix redekei* |  | 24.0 | 15.0 | 0.52 | (Shatwell et al., 2012) | | *Limnothrix redekei* |  | 32.0 | 15.0 | 0.37 | (Shatwell et al., 2012) | | *Limnothrix redekei* |  | 27.0 | 15.0 | 0.31 | (Shatwell et al., 2012) | | *Limnothrix redekei* |  |  | 15.0 | 0.21 | (Shatwell et al., 2012) | | *Limnothrix redekei* |  |  | 15.0 | 0.22 | (Shatwell et al., 2012) | | *Limnothrix redekei* |  |  | 10.0 | 0.32 | (Shatwell et al., 2012) | | *Limnothrix redekei* |  |  | 20.0 | 0.70 | (Shatwell et al., 2012) | | *Limnothrix redekei* |  |  | 10.0 | 0.22 | (Shatwell et al., 2012) | | *Limnothrix redekei* |  |  | 20.0 | 0.51 | (Shatwell et al., 2012) | | *Limnothrix redekei* | Modified MIV | 122.0 | 20.0 | 0.47 | (Nicklisch, 1998) | | *Limnothrix redekei* | Modified MIV | 75.0 | 20.0 | 0.37 | (Nicklisch, 1998) | | *Limnothrix redekei* | Modified MIV | 122.0 | 20.0 | 0.53 | (Nicklisch, 1998) | | *Limnothrix redekei* | Modified MIV | 134.0 | 20.0 | 0.80 | (Nicklisch, 1998) | | *Limnothrix redekei* | Modified MIV | 56.0 | 20.0 | 0.70 | (Nicklisch, 1998) | | *Limnothrix redekei* | Modified MIV | 254.0 | 20.0 | 0.50 | (Nicklisch, 1998) | | *Limnothrix redekei* | Modified MIV | 60.0 | 20.0 | 1.11 | (Nicklisch, 1998) | | *Limnothrix redekei* | Modified MIV | 183.0 | 20.0 | 0.69 | (Nicklisch, 1998) | | *Limnothrix redekei* | Modified MIV | 270.0 | 20.0 | 0.70 | (Nicklisch, 1998) | | *Limnothrix redekei* | Modified MIV | 427.0 | 20.0 | 0.28 | (Nicklisch, 1998) | | *Lyngbya dendrobia* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.06 | (Tiwari et al., 2001) | | *Lyngbya kuetzinghii* |  |  | 25.0 | 0.14 | (Zhang et al., 2009) | | *Lyngbya lachneri* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.08 | (Tiwari et al., 2001) | | *Lyngbya majuscula* |  |  |  | 0.33 | (Elmetri and Bell, 2004) | | *Lyngbya majuscula* |  |  |  | 0.25 | (Elmetri and Bell, 2004) | | *Lyngbya majuscula* |  |  |  | 0.19 | (Elmetri and Bell, 2004) | | *Lyngbya majuscula* |  |  |  | 0.14 | (Elmetri and Bell, 2004) | | *Lyngbya majuscula* |  |  |  | 0.04 | (Elmetri and Bell, 2004) | | *Lyngbya majuscula* |  |  |  | 0.05 | (Elmetri and Bell, 2004) | | *Lyngbya nigra* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.18 | (Tiwari et al., 2001) | | *Lyngbya palmarum* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.28 | (Tiwari et al., 2001) | | *Lyngbya spiralis* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.22 | (Tiwari et al., 2001) | | *Lyngbya truncicola* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.12 | (Tiwari et al., 2001) | | *Microcoleus chthonoplastes MPI CHI-1* | BG11 | 35.0 | 25.0 | 0.55 | (Karsten, 1996) | | *Microcoleus chthonoplastes MPI CHI-1* | BG11 | 35.0 | 25.0 | 0.47 | (Karsten, 1996) | | *Microcoleus chthonoplastes MPI CHI-1* | BG11 | 35.0 | 25.0 | 0.28 | (Karsten, 1996) | | *Microcoleus chthonoplastes MPI EBD-1* | BG11 | 35.0 | 25.0 | 0.24 | (Karsten, 1996) | | *Microcoleus chthonoplastes MPI EBD-1* | BG11 | 35.0 | 25.0 | 0.26 | (Karsten, 1996) | | *Microcoleus chthonoplastes MPI EBD-1* | BG11 | 35.0 | 25.0 | 0.18 | (Karsten, 1996) | | *Microcoleus chthonoplastes MPI GN5-1* | BG11 | 35.0 | 25.0 | 0.21 | (Karsten, 1996) | | *Microcoleus chthonoplastes MPI GN5-1* | BG11 | 35.0 | 25.0 | 0.23 | (Karsten, 1996) | | *Microcoleus chthonoplastes MPI GN5-1* | BG11 | 35.0 | 25.0 | 0.17 | (Karsten, 1996) | | *Microcoleus chthonoplastes MPI GNL-1* | BG11 | 35.0 | 25.0 | 0.23 | (Karsten, 1996) | | *Microcoleus chthonoplastes MPI GNL-1* | BG11 | 35.0 | 25.0 | 0.29 | (Karsten, 1996) | | *Microcoleus chthonoplastes MPI GNL-1* | BG11 | 35.0 | 25.0 | 0.24 | (Karsten, 1996) | | *Microcoleus chthonoplastes MPI SOL-1* | BG11 | 35.0 | 25.0 | 0.13 | (Karsten, 1996) | | *Microcoleus chthonoplastes MPI SOL-1* | BG11 | 35.0 | 25.0 | 0.17 | (Karsten, 1996) | | *Microcoleus chthonoplastes MPI SOL-1* | BG11 | 35.0 | 25.0 | 0.20 | (Karsten, 1996) | | *Microcoleus chthonoplastes MPI SPW-1* | BG11 | 35.0 | 25.0 | 0.29 | (Karsten, 1996) | | *Microcoleus chthonoplastes MPI SPW-1* | BG11 | 35.0 | 25.0 | 0.29 | (Karsten, 1996) | | *Microcoleus chthonoplastes MPI SPW-1* | BG11 | 35.0 | 25.0 | 0.18 | (Karsten, 1996) | | *Microcoleus chthonoplastes MPI TOW-1* | BG11 | 35.0 | 25.0 | 0.35 | (Karsten, 1996) | | *Microcoleus chthonoplastes MPI TOW-1* | BG11 | 35.0 | 25.0 | 0.35 | (Karsten, 1996) | | *Microcoleus chthonoplastes MPI TOW-1* | BG11 | 35.0 | 25.0 | 0.33 | (Karsten, 1996) | | *Microcoleus chthonoplastes PCC 7420* | BG11 | 35.0 | 25.0 | 0.42 | (Karsten, 1996) | | *Microcoleus chthonoplastes PCC 7420* | BG11 | 35.0 | 25.0 | 0.46 | (Karsten, 1996) | | *Microcoleus chthonoplastes PCC 7420* | BG11 | 35.0 | 25.0 | 0.21 | (Karsten, 1996) | | *Microcoleus chthonoplastes UBM HID* | BG11 | 35.0 | 25.0 | 0.42 | (Karsten, 1996) | | *Microcoleus chthonoplastes UBM HID* | BG11 | 35.0 | 25.0 | 0.35 | (Karsten, 1996) | | *Microcoleus chthonoplastes UBM HID* | BG11 | 35.0 | 25.0 | 0.25 | (Karsten, 1996) | | *Microcoleus chthonoplastes UBM WIS* | BG11 | 35.0 | 25.0 | 0.54 | (Karsten, 1996) | | *Microcoleus chthonoplastes UBM WIS* | BG11 | 35.0 | 25.0 | 0.46 | (Karsten, 1996) | | *Microcoleus chthonoplastes UBM WIS* | BG11 | 35.0 | 25.0 | 0.16 | (Karsten, 1996) | | *Microcoleus chthonoplastes* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.20 | (Tiwari et al., 2001) | | *Microcoleus paludosus* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.17 | (Tiwari et al., 2001) | | *Microcoleus spp.* |  |  |  | 0.03 | (Lababpour and Kaviani, 2016) | | *Microcoleus spp.* |  |  |  | 0.06 | (Lababpour and Kaviani, 2016) | | *Microcoleus steenstrupii HS024* |  |  |  | 3.22 | (Giraldo-Silva et al., 2019) | | *Microcoleus steenstrupii HS024* |  |  |  | 0.30 | (Giraldo-Silva et al., 2019) | | *Microcoleus steenstrupii HS024* |  |  |  | 0.30 | (Giraldo-Silva et al., 2019) | | *Microcoleus steenstrupii JS010* |  |  |  | 1.37 | (Giraldo-Silva et al., 2019) | | *Microcoleus steenstrupii JS010* |  |  |  | -1.00 | (Giraldo-Silva et al., 2019) | | *Microcoleus steenstrupii JS010* |  |  |  | 14.80 | (Giraldo-Silva et al., 2019) | | *Microcoleus vaginatus FB020* |  |  |  | 1.17 | (Giraldo-Silva et al., 2019) | | *Microcoleus vaginatus FB020* |  |  |  | 1.80 | (Giraldo-Silva et al., 2019) | | *Microcoleus vaginatus FB020* |  |  |  | 0.50 | (Giraldo-Silva et al., 2019) | | *Microcoleus vaginatus HSN003* |  |  |  | 2.12 | (Giraldo-Silva et al., 2019) | | *Microcoleus vaginatus HSN003* |  |  |  | 0.60 | (Giraldo-Silva et al., 2019) | | *Microcoleus vaginatus HSN003* |  |  |  | 0.30 | (Giraldo-Silva et al., 2019) | | *Microcoleus vaginatus* |  |  | 21.0 | 0.22 | (Novak and Brune, 1985) | | *Microcystis aeruginosa CYA140* |  |  | 20.0 | 0.26 | (Lürling et al., 2013) | | *Microcystis aeruginosa CYA140* |  |  | 25.0 | 0.77 | (Lürling et al., 2013) | | *Microcystis aeruginosa CYA140* |  |  | 22.5 | 0.82 | (Lürling et al., 2013) | | *Microcystis aeruginosa CYA140* |  |  | 27.5 | 0.94 | (Lürling et al., 2013) | | *Microcystis aeruginosa CYA140* |  |  | 25.0 | 0.93 | (Lürling et al., 2013) | | *Microcystis aeruginosa CYA140* |  |  | 30.0 | 0.70 | (Lürling et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 30.0 | 15.0 | 0.29 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 30.0 | 15.0 | 0.31 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 30.0 | 15.0 | 0.30 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 30.0 | 20.0 | 0.51 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 30.0 | 20.0 | 0.53 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 30.0 | 20.0 | 0.54 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 30.0 | 25.0 | 0.56 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 30.0 | 25.0 | 0.55 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 30.0 | 25.0 | 0.56 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 30.0 | 30.0 | 0.72 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 30.0 | 30.0 | 0.68 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 30.0 | 30.0 | 0.66 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 30.0 | 35.0 | 0.79 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 30.0 | 35.0 | 0.77 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 30.0 | 35.0 | 0.78 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 10.0 | 25.0 | 0.33 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 10.0 | 25.0 | 0.31 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 10.0 | 25.0 | 0.29 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 15.0 | 25.0 | 0.35 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 15.0 | 25.0 | 0.33 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 15.0 | 25.0 | 0.35 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 25.0 | 25.0 | 0.43 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 25.0 | 25.0 | 0.42 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 25.0 | 25.0 | 0.43 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 40.0 | 25.0 | 0.62 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 40.0 | 25.0 | 0.62 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 40.0 | 25.0 | 0.63 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 50.0 | 25.0 | 0.63 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 50.0 | 25.0 | 0.63 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 50.0 | 25.0 | 0.62 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 55.0 | 25.0 | 0.63 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 55.0 | 25.0 | 0.62 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 55.0 | 25.0 | 0.63 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 60.0 | 25.0 | 0.69 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 60.0 | 25.0 | 0.70 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 60.0 | 25.0 | 0.69 | (Marinho et al., 2013) | | *Microcystis aeruginosa FACHB469* | BG11 | 25.0 | 20.0 | 0.33 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 25.0 | 20.0 | 0.34 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 25.0 | 20.0 | 0.32 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 30.0 | 20.0 | 0.41 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 30.0 | 20.0 | 0.39 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 30.0 | 20.0 | 0.37 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 35.0 | 20.0 | 0.42 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 35.0 | 20.0 | 0.41 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 35.0 | 20.0 | 0.40 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 40.0 | 20.0 | 0.44 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 40.0 | 20.0 | 0.46 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 40.0 | 20.0 | 0.43 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 45.0 | 20.0 | 0.52 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 45.0 | 20.0 | 0.54 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 45.0 | 20.0 | 0.50 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 50.0 | 20.0 | 0.53 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 50.0 | 20.0 | 0.55 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 50.0 | 20.0 | 0.51 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 55.0 | 20.0 | 0.56 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 55.0 | 20.0 | 0.58 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 55.0 | 20.0 | 0.53 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 60.0 | 20.0 | 0.56 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 60.0 | 20.0 | 0.55 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 60.0 | 20.0 | 0.58 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 25.0 | 25.0 | 0.52 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 25.0 | 25.0 | 0.54 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 25.0 | 25.0 | 0.51 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 30.0 | 25.0 | 0.54 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 30.0 | 25.0 | 0.56 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 30.0 | 25.0 | 0.53 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 35.0 | 25.0 | 0.56 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 35.0 | 25.0 | 0.57 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 35.0 | 25.0 | 0.54 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 40.0 | 25.0 | 0.60 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 40.0 | 25.0 | 0.61 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 40.0 | 25.0 | 0.58 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 45.0 | 25.0 | 0.60 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 45.0 | 25.0 | 0.61 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 45.0 | 25.0 | 0.59 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 50.0 | 25.0 | 0.61 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 50.0 | 25.0 | 0.62 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 50.0 | 25.0 | 0.60 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 55.0 | 25.0 | 0.62 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 55.0 | 25.0 | 0.63 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 55.0 | 25.0 | 0.61 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 60.0 | 25.0 | 0.63 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 60.0 | 25.0 | 0.65 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB469* | BG11 | 60.0 | 25.0 | 0.62 | (Li et al., 2014) | | *Microcystis aeruginosa FACHB905* | Modified BG11 | 50.0 | 25.0 | 0.11 | (Shen and Song, 2007) | | *Microcystis aeruginosa FACHB905* | Modified BG11 | 50.0 | 25.0 | 0.11 | (Shen and Song, 2007) | | *Microcystis aeruginosa FACHB905* | Modified BG11 | 50.0 | 25.0 | 0.10 | (Shen and Song, 2007) | | *Microcystis aeruginosa FACHB909* | Modified BG11 | 50.0 | 25.0 | 0.18 | (Shen and Song, 2007) | | *Microcystis aeruginosa FACHB909* | Modified BG11 | 50.0 | 25.0 | 0.20 | (Shen and Song, 2007) | | *Microcystis aeruginosa FACHB909* | Modified BG11 | 50.0 | 25.0 | 0.15 | (Shen and Song, 2007) | | *Microcystis aeruginosa FACHB938* | Modified BG11 | 50.0 | 25.0 | 0.15 | (Shen and Song, 2007) | | *Microcystis aeruginosa FACHB938* | Modified BG11 | 50.0 | 25.0 | 0.16 | (Shen and Song, 2007) | | *Microcystis aeruginosa FACHB938* | Modified BG11 | 50.0 | 25.0 | 0.14 | (Shen and Song, 2007) | | *Microcystis aeruginosa FACHB939* | Modified BG11 | 50.0 | 25.0 | 0.13 | (Shen and Song, 2007) | | *Microcystis aeruginosa FACHB939* | Modified BG11 | 50.0 | 25.0 | 0.14 | (Shen and Song, 2007) | | *Microcystis aeruginosa FACHB939* | Modified BG11 | 50.0 | 25.0 | 0.13 | (Shen and Song, 2007) | | *Microcystis aeruginosa FACHB942* | Modified BG11 | 50.0 | 25.0 | 0.13 | (Shen and Song, 2007) | | *Microcystis aeruginosa FACHB942* | Modified BG11 | 50.0 | 25.0 | 0.14 | (Shen and Song, 2007) | | *Microcystis aeruginosa FACHB942* | Modified BG11 | 50.0 | 25.0 | 0.12 | (Shen and Song, 2007) | | *Microcystis aeruginosa FACHB975* | Modified BG11 | 50.0 | 25.0 | 0.17 | (Shen and Song, 2007) | | *Microcystis aeruginosa FACHB975* | Modified BG11 | 50.0 | 25.0 | 0.19 | (Shen and Song, 2007) | | *Microcystis aeruginosa FACHB975* | Modified BG11 | 50.0 | 25.0 | 0.21 | (Shen and Song, 2007) | | *Microcystis aeruginosa GullB00* | WC | 100.0 | 15.0 | 0.05 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullB00* | WC | 100.0 | 15.0 | 0.04 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullB00* | WC | 100.0 | 15.0 | 0.03 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullB00* | WC | 100.0 | 15.0 | 0.04 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullB00* | WC | 100.0 | 20.0 | 0.16 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullB00* | WC | 100.0 | 20.0 | 0.15 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullB00* | WC | 100.0 | 20.0 | 0.14 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullB00* | WC | 100.0 | 20.0 | 0.15 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullB00* | WC | 100.0 | 25.0 | 0.36 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullB00* | WC | 100.0 | 25.0 | 0.35 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullB00* | WC | 100.0 | 25.0 | 0.34 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullB00* | WC | 100.0 | 25.0 | 0.35 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullB00* | WC | 100.0 | 30.0 | 0.37 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullB00* | WC | 100.0 | 30.0 | 0.35 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullB00* | WC | 100.0 | 30.0 | 0.36 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullB00* | WC | 100.0 | 30.0 | 0.36 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullB00* | WC | 100.0 | 35.0 | -0.12 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullB00* | WC | 100.0 | 35.0 | -0.14 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullB00* | WC | 100.0 | 35.0 | -0.14 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullB00* | WC | 100.0 | 35.0 | -0.13 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullK00* | WC | 100.0 | 15.0 | 0.06 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullK00* | WC | 100.0 | 15.0 | 0.04 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullK00* | WC | 100.0 | 15.0 | 0.03 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullK00* | WC | 100.0 | 15.0 | 0.04 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullK00* | WC | 100.0 | 20.0 | 0.13 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullK00* | WC | 100.0 | 20.0 | 0.11 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullK00* | WC | 100.0 | 20.0 | 0.10 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullK00* | WC | 100.0 | 20.0 | 0.12 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullK00* | WC | 100.0 | 25.0 | 0.39 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullK00* | WC | 100.0 | 25.0 | 0.38 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullK00* | WC | 100.0 | 25.0 | 0.37 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullK00* | WC | 100.0 | 25.0 | 0.38 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullK00* | WC | 100.0 | 30.0 | 0.40 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullK00* | WC | 100.0 | 30.0 | 0.38 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullK00* | WC | 100.0 | 30.0 | 0.37 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullK00* | WC | 100.0 | 30.0 | 0.38 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullK00* | WC | 100.0 | 35.0 | -0.14 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullK00* | WC | 100.0 | 35.0 | -0.15 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullK00* | WC | 100.0 | 35.0 | -0.16 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa GullK00* | WC | 100.0 | 35.0 | -0.15 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa LMECYA* | Z8 | 4.0 | 20.0 | 0.07 | (Salvador et al., 2016) | | *Microcystis aeruginosa LMECYA* | Z8 | 20.0 | 20.0 | 0.11 | (Salvador et al., 2016) | | *Microcystis aeruginosa LMECYA* | Z8 | 30.0 | 20.0 | 0.12 | (Salvador et al., 2016) | | *Microcystis aeruginosa M2* | Modified JM | 10.0 | 20.0 | 0.22 | (Xiao et al., 2017) | | *Microcystis aeruginosa M2* | Modified JM | 10.0 | 20.0 | 0.20 | (Xiao et al., 2017) | | *Microcystis aeruginosa M2* | Modified JM | 10.0 | 20.0 | 0.21 | (Xiao et al., 2017) | | *Microcystis aeruginosa M2* | Modified JM | 10.0 | 28.0 | 0.21 | (Xiao et al., 2017) | | *Microcystis aeruginosa M2* | Modified JM | 10.0 | 28.0 | 0.21 | (Xiao et al., 2017) | | *Microcystis aeruginosa M2* | Modified JM | 10.0 | 28.0 | 0.21 | (Xiao et al., 2017) | | *Microcystis aeruginosa M2* | Modified JM | 30.0 | 20.0 | 0.23 | (Xiao et al., 2017) | | *Microcystis aeruginosa M2* | Modified JM | 30.0 | 20.0 | 0.23 | (Xiao et al., 2017) | | *Microcystis aeruginosa M2* | Modified JM | 30.0 | 20.0 | 0.26 | (Xiao et al., 2017) | | *Microcystis aeruginosa M2* | Modified JM | 30.0 | 28.0 | 0.35 | (Xiao et al., 2017) | | *Microcystis aeruginosa M2* | Modified JM | 30.0 | 28.0 | 0.36 | (Xiao et al., 2017) | | *Microcystis aeruginosa M2* | Modified JM | 30.0 | 28.0 | 0.41 | (Xiao et al., 2017) | | *Microcystis aeruginosa M2* | Modified JM | 50.0 | 20.0 | 0.35 | (Xiao et al., 2017) | | *Microcystis aeruginosa M2* | Modified JM | 50.0 | 20.0 | 0.33 | (Xiao et al., 2017) | | *Microcystis aeruginosa M2* | Modified JM | 50.0 | 20.0 | 0.35 | (Xiao et al., 2017) | | *Microcystis aeruginosa M2* | Modified JM | 50.0 | 28.0 | 0.36 | (Xiao et al., 2017) | | *Microcystis aeruginosa M2* | Modified JM | 50.0 | 28.0 | 0.42 | (Xiao et al., 2017) | | *Microcystis aeruginosa M2* | Modified JM | 50.0 | 28.0 | 0.42 | (Xiao et al., 2017) | | *Microcystis aeruginosa M2* | Modified JM | 100.0 | 20.0 | 0.35 | (Xiao et al., 2017) | | *Microcystis aeruginosa M2* | Modified JM | 100.0 | 20.0 | 0.36 | (Xiao et al., 2017) | | *Microcystis aeruginosa M2* | Modified JM | 100.0 | 20.0 | 0.39 | (Xiao et al., 2017) | | *Microcystis aeruginosa M2* | Modified JM | 100.0 | 28.0 | 0.45 | (Xiao et al., 2017) | | *Microcystis aeruginosa M2* | Modified JM | 100.0 | 28.0 | 0.41 | (Xiao et al., 2017) | | *Microcystis aeruginosa M2* | Modified JM | 100.0 | 28.0 | 0.41 | (Xiao et al., 2017) | | *Microcystis aeruginosa M3* | Modified JM | 10.0 | 20.0 | 0.29 | (Xiao et al., 2017) | | *Microcystis aeruginosa M3* | Modified JM | 10.0 | 20.0 | 0.26 | (Xiao et al., 2017) | | *Microcystis aeruginosa M3* | Modified JM | 10.0 | 20.0 | 0.23 | (Xiao et al., 2017) | | *Microcystis aeruginosa M3* | Modified JM | 10.0 | 28.0 | 0.27 | (Xiao et al., 2017) | | *Microcystis aeruginosa M3* | Modified JM | 10.0 | 28.0 | 0.28 | (Xiao et al., 2017) | | *Microcystis aeruginosa M3* | Modified JM | 10.0 | 28.0 | 0.26 | (Xiao et al., 2017) | | *Microcystis aeruginosa M3* | Modified JM | 30.0 | 20.0 | 0.30 | (Xiao et al., 2017) | | *Microcystis aeruginosa M3* | Modified JM | 30.0 | 20.0 | 0.32 | (Xiao et al., 2017) | | *Microcystis aeruginosa M3* | Modified JM | 30.0 | 20.0 | 0.27 | (Xiao et al., 2017) | | *Microcystis aeruginosa M3* | Modified JM | 30.0 | 28.0 | 0.29 | (Xiao et al., 2017) | | *Microcystis aeruginosa M3* | Modified JM | 30.0 | 28.0 | 0.29 | (Xiao et al., 2017) | | *Microcystis aeruginosa M3* | Modified JM | 30.0 | 28.0 | 0.28 | (Xiao et al., 2017) | | *Microcystis aeruginosa M3* | Modified JM | 50.0 | 20.0 | 0.36 | (Xiao et al., 2017) | | *Microcystis aeruginosa M3* | Modified JM | 50.0 | 20.0 | 0.38 | (Xiao et al., 2017) | | *Microcystis aeruginosa M3* | Modified JM | 50.0 | 20.0 | 0.32 | (Xiao et al., 2017) | | *Microcystis aeruginosa M3* | Modified JM | 50.0 | 28.0 | 0.36 | (Xiao et al., 2017) | | *Microcystis aeruginosa M3* | Modified JM | 50.0 | 28.0 | 0.38 | (Xiao et al., 2017) | | *Microcystis aeruginosa M3* | Modified JM | 50.0 | 28.0 | 0.36 | (Xiao et al., 2017) | | *Microcystis aeruginosa M3* | Modified JM | 100.0 | 20.0 | 0.36 | (Xiao et al., 2017) | | *Microcystis aeruginosa M3* | Modified JM | 100.0 | 20.0 | 0.35 | (Xiao et al., 2017) | | *Microcystis aeruginosa M3* | Modified JM | 100.0 | 20.0 | 0.35 | (Xiao et al., 2017) | | *Microcystis aeruginosa M3* | Modified JM | 100.0 | 28.0 | 0.31 | (Xiao et al., 2017) | | *Microcystis aeruginosa M3* | Modified JM | 100.0 | 28.0 | 0.33 | (Xiao et al., 2017) | | *Microcystis aeruginosa M3* | Modified JM | 100.0 | 28.0 | 0.34 | (Xiao et al., 2017) | | *Microcystis aeruginosa M4* | Modified JM | 10.0 | 20.0 | 0.21 | (Xiao et al., 2017) | | *Microcystis aeruginosa M4* | Modified JM | 10.0 | 20.0 | 0.18 | (Xiao et al., 2017) | | *Microcystis aeruginosa M4* | Modified JM | 10.0 | 20.0 | 0.20 | (Xiao et al., 2017) | | *Microcystis aeruginosa M4* | Modified JM | 10.0 | 28.0 | 0.27 | (Xiao et al., 2017) | | *Microcystis aeruginosa M4* | Modified JM | 10.0 | 28.0 | 0.28 | (Xiao et al., 2017) | | *Microcystis aeruginosa M4* | Modified JM | 10.0 | 28.0 | 0.25 | (Xiao et al., 2017) | | *Microcystis aeruginosa M4* | Modified JM | 30.0 | 20.0 | 0.30 | (Xiao et al., 2017) | | *Microcystis aeruginosa M4* | Modified JM | 30.0 | 20.0 | 0.23 | (Xiao et al., 2017) | | *Microcystis aeruginosa M4* | Modified JM | 30.0 | 20.0 | 0.27 | (Xiao et al., 2017) | | *Microcystis aeruginosa M4* | Modified JM | 30.0 | 28.0 | 0.28 | (Xiao et al., 2017) | | *Microcystis aeruginosa M4* | Modified JM | 30.0 | 28.0 | 0.29 | (Xiao et al., 2017) | | *Microcystis aeruginosa M4* | Modified JM | 30.0 | 28.0 | 0.26 | (Xiao et al., 2017) | | *Microcystis aeruginosa M4* | Modified JM | 50.0 | 20.0 | 0.34 | (Xiao et al., 2017) | | *Microcystis aeruginosa M4* | Modified JM | 50.0 | 20.0 | 0.33 | (Xiao et al., 2017) | | *Microcystis aeruginosa M4* | Modified JM | 50.0 | 20.0 | 0.41 | (Xiao et al., 2017) | | *Microcystis aeruginosa M4* | Modified JM | 50.0 | 28.0 | 0.35 | (Xiao et al., 2017) | | *Microcystis aeruginosa M4* | Modified JM | 50.0 | 28.0 | 0.41 | (Xiao et al., 2017) | | *Microcystis aeruginosa M4* | Modified JM | 50.0 | 28.0 | 0.36 | (Xiao et al., 2017) | | *Microcystis aeruginosa M4* | Modified JM | 100.0 | 20.0 | 0.45 | (Xiao et al., 2017) | | *Microcystis aeruginosa M4* | Modified JM | 100.0 | 20.0 | 0.41 | (Xiao et al., 2017) | | *Microcystis aeruginosa M4* | Modified JM | 100.0 | 20.0 | 0.45 | (Xiao et al., 2017) | | *Microcystis aeruginosa M4* | Modified JM | 100.0 | 28.0 | 0.35 | (Xiao et al., 2017) | | *Microcystis aeruginosa M4* | Modified JM | 100.0 | 28.0 | 0.32 | (Xiao et al., 2017) | | *Microcystis aeruginosa M4* | Modified JM | 100.0 | 28.0 | 0.32 | (Xiao et al., 2017) | | *Microcystis aeruginosa M5* | Modified JM | 10.0 | 20.0 | 0.27 | (Xiao et al., 2017) | | *Microcystis aeruginosa M5* | Modified JM | 10.0 | 20.0 | 0.28 | (Xiao et al., 2017) | | *Microcystis aeruginosa M5* | Modified JM | 10.0 | 20.0 | 0.26 | (Xiao et al., 2017) | | *Microcystis aeruginosa M5* | Modified JM | 10.0 | 28.0 | 0.16 | (Xiao et al., 2017) | | *Microcystis aeruginosa M5* | Modified JM | 10.0 | 28.0 | 0.21 | (Xiao et al., 2017) | | *Microcystis aeruginosa M5* | Modified JM | 10.0 | 28.0 | 0.20 | (Xiao et al., 2017) | | *Microcystis aeruginosa M5* | Modified JM | 30.0 | 20.0 | 0.24 | (Xiao et al., 2017) | | *Microcystis aeruginosa M5* | Modified JM | 30.0 | 20.0 | 0.24 | (Xiao et al., 2017) | | *Microcystis aeruginosa M5* | Modified JM | 30.0 | 20.0 | 0.23 | (Xiao et al., 2017) | | *Microcystis aeruginosa M5* | Modified JM | 30.0 | 28.0 | 0.31 | (Xiao et al., 2017) | | *Microcystis aeruginosa M5* | Modified JM | 30.0 | 28.0 | 0.30 | (Xiao et al., 2017) | | *Microcystis aeruginosa M5* | Modified JM | 30.0 | 28.0 | 0.31 | (Xiao et al., 2017) | | *Microcystis aeruginosa M5* | Modified JM | 50.0 | 28.0 | 0.41 | (Xiao et al., 2017) | | *Microcystis aeruginosa M5* | Modified JM | 50.0 | 28.0 | 0.38 | (Xiao et al., 2017) | | *Microcystis aeruginosa M5* | Modified JM | 50.0 | 28.0 | 0.38 | (Xiao et al., 2017) | | *Microcystis aeruginosa M5* | Modified JM | 50.0 | 20.0 | 0.27 | (Xiao et al., 2017) | | *Microcystis aeruginosa M5* | Modified JM | 50.0 | 20.0 | 0.29 | (Xiao et al., 2017) | | *Microcystis aeruginosa M5* | Modified JM | 50.0 | 20.0 | 0.30 | (Xiao et al., 2017) | | *Microcystis aeruginosa M5* | Modified JM | 100.0 | 20.0 | 0.36 | (Xiao et al., 2017) | | *Microcystis aeruginosa M5* | Modified JM | 100.0 | 20.0 | 0.32 | (Xiao et al., 2017) | | *Microcystis aeruginosa M5* | Modified JM | 100.0 | 20.0 | 0.37 | (Xiao et al., 2017) | | *Microcystis aeruginosa M5* | Modified JM | 100.0 | 28.0 | 0.31 | (Xiao et al., 2017) | | *Microcystis aeruginosa M5* | Modified JM | 100.0 | 28.0 | 0.36 | (Xiao et al., 2017) | | *Microcystis aeruginosa M5* | Modified JM | 100.0 | 28.0 | 0.36 | (Xiao et al., 2017) | | *Microcystis aeruginosa MIC-03* | Modified WC | 10.0 | 24.0 | 0.28 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-03* | Modified WC | 10.0 | 24.0 | 0.26 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-03* | Modified WC | 10.0 | 24.0 | 0.26 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-03* | Modified WC | 60.0 | 24.0 | 0.54 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-03* | Modified WC | 60.0 | 24.0 | 0.53 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-03* | Modified WC | 60.0 | 24.0 | 0.55 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-03* | Modified WC | 100.0 | 24.0 | 0.45 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-03* | Modified WC | 100.0 | 24.0 | 0.45 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-03* | Modified WC | 100.0 | 24.0 | 0.45 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-03* | Modified WC | 500.0 | 24.0 | 0.39 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-03* | Modified WC | 500.0 | 24.0 | 0.41 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-03* | Modified WC | 500.0 | 24.0 | 0.37 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-03* | Modified WC | 40.0 | 24.0 | 0.47 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-03* | Modified WC | 40.0 | 24.0 | 0.46 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-03* | Modified WC | 40.0 | 24.0 | 0.45 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-08* | Modified WC | 10.0 | 24.0 | 0.29 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-08* | Modified WC | 10.0 | 24.0 | 0.28 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-08* | Modified WC | 10.0 | 24.0 | 0.29 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-08* | Modified WC | 60.0 | 24.0 | 0.45 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-08* | Modified WC | 60.0 | 24.0 | 0.43 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-08* | Modified WC | 60.0 | 24.0 | 0.47 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-08* | Modified WC | 100.0 | 24.0 | 0.56 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-08* | Modified WC | 100.0 | 24.0 | 0.56 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-08* | Modified WC | 100.0 | 24.0 | 0.56 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-08* | Modified WC | 500.0 | 24.0 | 0.58 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-08* | Modified WC | 500.0 | 24.0 | 0.59 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-08* | Modified WC | 500.0 | 24.0 | 0.56 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-08* | Modified WC | 40.0 | 24.0 | 0.54 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-08* | Modified WC | 40.0 | 24.0 | 0.58 | (Torres et al., 2016) | | *Microcystis aeruginosa MIC-08* | Modified WC | 40.0 | 24.0 | 0.51 | (Torres et al., 2016) | | *Microcystis aeruginosa MIRF* | ASM-1 | 100.0 | 25.0 | 0.61 | (Mello et al., 2012) | | *Microcystis aeruginosa MIRF* | ASM-1 | 100.0 | 25.0 | 0.63 | (Mello et al., 2012) | | *Microcystis aeruginosa MIRF* | ASM-1 | 100.0 | 25.0 | 0.58 | (Mello et al., 2012) | | *Microcystis aeruginosa MT2PCC7806* | Modified BG11 | 39.0 | 22.0 | 0.49 | (Briand et al., 2012) | | *Microcystis aeruginosa MT2PCC7806* | Modified BG11 | 39.0 | 22.0 | 0.45 | (Briand et al., 2012) | | *Microcystis aeruginosa MT2PCC7806* | Modified BG11 | 39.0 | 22.0 | 0.53 | (Briand et al., 2012) | | *Microcystis aeruginosa MT2PCC7806* | Modified BG11 | 5.0 | 22.0 | 0.11 | (Briand et al., 2012) | | *Microcystis aeruginosa MT2PCC7806* | Modified BG11 | 5.0 | 22.0 | 0.10 | (Briand et al., 2012) | | *Microcystis aeruginosa MT2PCC7806* | Modified BG11 | 5.0 | 22.0 | 0.12 | (Briand et al., 2012) | | *Microcystis aeruginosa MTPCC7806* | MIV/2 | 4.0 | 20.0 | 0.05 | (Hesse et al., 2001) | | *Microcystis aeruginosa MTPCC7806* | MIV/2 | 4.0 | 20.0 | 0.05 | (Hesse et al., 2001) | | *Microcystis aeruginosa MTPCC7806* | MIV/2 | 4.0 | 20.0 | 0.04 | (Hesse et al., 2001) | | *Microcystis aeruginosa MTPCC7806* | MIV/2 | 9.0 | 20.0 | 0.11 | (Hesse et al., 2001) | | *Microcystis aeruginosa MTPCC7806* | MIV/2 | 9.0 | 20.0 | 0.10 | (Hesse et al., 2001) | | *Microcystis aeruginosa MTPCC7806* | MIV/2 | 9.0 | 20.0 | 0.10 | (Hesse et al., 2001) | | *Microcystis aeruginosa MTPCC7806* | MIV/2 | 11.0 | 20.0 | 0.12 | (Hesse et al., 2001) | | *Microcystis aeruginosa MTPCC7806* | MIV/2 | 11.0 | 20.0 | 0.11 | (Hesse et al., 2001) | | *Microcystis aeruginosa MTPCC7806* | MIV/2 | 11.0 | 20.0 | 0.11 | (Hesse et al., 2001) | | *Microcystis aeruginosa MTPCC7806* | MIV/2 | 20.0 | 20.0 | 0.17 | (Hesse et al., 2001) | | *Microcystis aeruginosa MTPCC7806* | MIV/2 | 20.0 | 20.0 | 0.15 | (Hesse et al., 2001) | | *Microcystis aeruginosa MTPCC7806* | MIV/2 | 20.0 | 20.0 | 0.17 | (Hesse et al., 2001) | | *Microcystis aeruginosa MTPCC7806* | MIV/2 | 30.0 | 20.0 | 0.22 | (Hesse et al., 2001) | | *Microcystis aeruginosa MTPCC7806* | MIV/2 | 30.0 | 20.0 | 0.20 | (Hesse et al., 2001) | | *Microcystis aeruginosa MTPCC7806* | MIV/2 | 30.0 | 20.0 | 0.19 | (Hesse et al., 2001) | | *Microcystis aeruginosa MTPCC7806* | MIV/2 | 65.0 | 20.0 | 0.21 | (Hesse et al., 2001) | | *Microcystis aeruginosa MTPCC7806* | MIV/2 | 65.0 | 20.0 | 0.20 | (Hesse et al., 2001) | | *Microcystis aeruginosa MTPCC7806* | MIV/2 | 65.0 | 20.0 | 0.19 | (Hesse et al., 2001) | | *Microcystis aeruginosa MTPCC7806* | MIV/2 | 90.0 | 20.0 | 0.21 | (Hesse et al., 2001) | | *Microcystis aeruginosa MTPCC7806* | MIV/2 | 90.0 | 20.0 | 0.20 | (Hesse et al., 2001) | | *Microcystis aeruginosa MTPCC7806* | MIV/2 | 90.0 | 20.0 | 0.19 | (Hesse et al., 2001) | | *Microcystis aeruginosa MTPCC7806* | MIV/2 | 105.0 | 20.0 | 0.23 | (Hesse et al., 2001) | | *Microcystis aeruginosa MTPCC7806* | MIV/2 | 105.0 | 20.0 | 0.22 | (Hesse et al., 2001) | | *Microcystis aeruginosa MTPCC7806* | MIV/2 | 105.0 | 20.0 | 0.21 | (Hesse et al., 2001) | | *Microcystis aeruginosa MTPCC7806* | MIV/2 | 25.0 | 20.0 | 0.18 | (Hesse et al., 2001) | | *Microcystis aeruginosa MTPCC7806* | MIV/2 | 25.0 | 20.0 | 0.16 | (Hesse et al., 2001) | | *Microcystis aeruginosa MTPCC7806* | MIV/2 | 25.0 | 20.0 | 0.15 | (Hesse et al., 2001) | | *Microcystis aeruginosa Ma17D* | BG11 | 15.0 | 20.0 | 0.20 | (Bañares-España et al., 2012) | | *Microcystis aeruginosa Ma17D* | BG11 | 15.0 | 20.0 | 0.19 | (Bañares-España et al., 2012) | | *Microcystis aeruginosa Ma17D* | BG11 | 15.0 | 20.0 | 0.21 | (Bañares-España et al., 2012) | | *Microcystis aeruginosa Ma17D* | BG11 | 176.0 | 20.0 | 0.09 | (Bañares-España et al., 2012) | | *Microcystis aeruginosa Ma17D* | BG11 | 176.0 | 20.0 | 0.10 | (Bañares-España et al., 2012) | | *Microcystis aeruginosa Ma17D* | BG11 | 176.0 | 20.0 | 0.08 | (Bañares-España et al., 2012) | | *Microcystis aeruginosa Ma2M* | BG11 | 15.0 | 20.0 | 0.24 | (Bañares-España et al., 2012) | | *Microcystis aeruginosa Ma2M* | BG11 | 15.0 | 20.0 | 0.24 | (Bañares-España et al., 2012) | | *Microcystis aeruginosa Ma2M* | BG11 | 15.0 | 20.0 | 0.23 | (Bañares-España et al., 2012) | | *Microcystis aeruginosa Ma2M* | BG11 | 176.0 | 20.0 | 0.17 | (Bañares-España et al., 2012) | | *Microcystis aeruginosa Ma2M* | BG11 | 176.0 | 20.0 | 0.17 | (Bañares-España et al., 2012) | | *Microcystis aeruginosa Ma2M* | BG11 | 176.0 | 20.0 | 0.16 | (Bañares-España et al., 2012) | | *Microcystis aeruginosa Ma5D* | BG11 | 15.0 | 20.0 | 0.20 | (Bañares-España et al., 2012) | | *Microcystis aeruginosa Ma5D* | BG11 | 15.0 | 20.0 | 0.24 | (Bañares-España et al., 2012) | | *Microcystis aeruginosa Ma5D* | BG11 | 15.0 | 20.0 | 0.17 | (Bañares-España et al., 2012) | | *Microcystis aeruginosa Ma5D* | BG11 | 176.0 | 20.0 | 0.17 | (Bañares-España et al., 2012) | | *Microcystis aeruginosa Ma5D* | BG11 | 176.0 | 20.0 | 0.18 | (Bañares-España et al., 2012) | | *Microcystis aeruginosa Ma5D* | BG11 | 176.0 | 20.0 | 0.17 | (Bañares-España et al., 2012) | | *Microcystis aeruginosa NIVA-CYA140* | Modified WC | 80.0 | 20.0 | 0.26 | (Lürling et al., 2013) | | *Microcystis aeruginosa NIVA-CYA140* | Modified WC | 80.0 | 20.0 | 0.23 | (Lürling et al., 2013) | | *Microcystis aeruginosa NIVA-CYA140* | Modified WC | 80.0 | 20.0 | 0.29 | (Lürling et al., 2013) | | *Microcystis aeruginosa NIVA-CYA140* | Modified WC | 80.0 | 25.0 | 0.77 | (Lürling et al., 2013) | | *Microcystis aeruginosa NIVA-CYA140* | Modified WC | 80.0 | 25.0 | 0.79 | (Lürling et al., 2013) | | *Microcystis aeruginosa NIVA-CYA140* | Modified WC | 80.0 | 25.0 | 0.75 | (Lürling et al., 2013) | | *Microcystis aeruginosa NIVA-CYA140* | Modified WC | 80.0 | 27.5 | 0.82 | (Lürling et al., 2013) | | *Microcystis aeruginosa NIVA-CYA140* | Modified WC | 80.0 | 27.5 | 0.83 | (Lürling et al., 2013) | | *Microcystis aeruginosa NIVA-CYA140* | Modified WC | 80.0 | 27.5 | 0.85 | (Lürling et al., 2013) | | *Microcystis aeruginosa NIVA-CYA140* | Modified WC | 80.0 | 30.0 | 0.94 | (Lürling et al., 2013) | | *Microcystis aeruginosa NIVA-CYA140* | Modified WC | 80.0 | 30.0 | 0.95 | (Lürling et al., 2013) | | *Microcystis aeruginosa NIVA-CYA140* | Modified WC | 80.0 | 30.0 | 0.97 | (Lürling et al., 2013) | | *Microcystis aeruginosa NIVA-CYA140* | Modified WC | 80.0 | 32.5 | 0.93 | (Lürling et al., 2013) | | *Microcystis aeruginosa NIVA-CYA140* | Modified WC | 80.0 | 32.5 | 0.95 | (Lürling et al., 2013) | | *Microcystis aeruginosa NIVA-CYA140* | Modified WC | 80.0 | 32.5 | 0.91 | (Lürling et al., 2013) | | *Microcystis aeruginosa NIVA-CYA140* | Modified WC | 80.0 | 35.0 | 0.70 | (Lürling et al., 2013) | | *Microcystis aeruginosa NIVA-CYA140* | Modified WC | 80.0 | 35.0 | 0.71 | (Lürling et al., 2013) | | *Microcystis aeruginosa NIVA-CYA140* | Modified WC | 80.0 | 35.0 | 0.69 | (Lürling et al., 2013) | | *Microcystis aeruginosa PCC7806* | Modified BG11 | 39.0 | 22.0 | 0.46 | (Briand et al., 2012) | | *Microcystis aeruginosa PCC7806* | Modified BG11 | 39.0 | 22.0 | 0.43 | (Briand et al., 2012) | | *Microcystis aeruginosa PCC7806* | Modified BG11 | 39.0 | 22.0 | 0.49 | (Briand et al., 2012) | | *Microcystis aeruginosa PCC7806* | Modified BG11 | 5.0 | 22.0 | 0.12 | (Briand et al., 2012) | | *Microcystis aeruginosa PCC7806* | Modified BG11 | 5.0 | 22.0 | 0.11 | (Briand et al., 2012) | | *Microcystis aeruginosa PCC7806* | Modified BG11 | 5.0 | 22.0 | 0.13 | (Briand et al., 2012) | | *Microcystis aeruginosa PCC7806* | MIV/2 | 4.0 | 20.0 | 0.06 | (Hesse et al., 2001) | | *Microcystis aeruginosa PCC7806* | MIV/2 | 4.0 | 20.0 | 0.06 | (Hesse et al., 2001) | | *Microcystis aeruginosa PCC7806* | MIV/2 | 4.0 | 20.0 | 0.07 | (Hesse et al., 2001) | | *Microcystis aeruginosa PCC7806* | MIV/2 | 9.0 | 20.0 | 0.10 | (Hesse et al., 2001) | | *Microcystis aeruginosa PCC7806* | MIV/2 | 9.0 | 20.0 | 0.11 | (Hesse et al., 2001) | | *Microcystis aeruginosa PCC7806* | MIV/2 | 9.0 | 20.0 | 0.10 | (Hesse et al., 2001) | | *Microcystis aeruginosa PCC7806* | MIV/2 | 11.0 | 20.0 | 0.14 | (Hesse et al., 2001) | | *Microcystis aeruginosa PCC7806* | MIV/2 | 11.0 | 20.0 | 0.15 | (Hesse et al., 2001) | | *Microcystis aeruginosa PCC7806* | MIV/2 | 11.0 | 20.0 | 0.14 | (Hesse et al., 2001) | | *Microcystis aeruginosa PCC7806* | MIV/2 | 25.0 | 20.0 | 0.19 | (Hesse et al., 2001) | | *Microcystis aeruginosa PCC7806* | MIV/2 | 25.0 | 20.0 | 0.20 | (Hesse et al., 2001) | | *Microcystis aeruginosa PCC7806* | MIV/2 | 25.0 | 20.0 | 0.18 | (Hesse et al., 2001) | | *Microcystis aeruginosa PCC7806* | MIV/2 | 35.0 | 20.0 | 0.22 | (Hesse et al., 2001) | | *Microcystis aeruginosa PCC7806* | MIV/2 | 35.0 | 20.0 | 0.23 | (Hesse et al., 2001) | | *Microcystis aeruginosa PCC7806* | MIV/2 | 35.0 | 20.0 | 0.20 | (Hesse et al., 2001) | | *Microcystis aeruginosa PCC7806* | MIV/2 | 70.0 | 20.0 | 0.20 | (Hesse et al., 2001) | | *Microcystis aeruginosa PCC7806* | MIV/2 | 70.0 | 20.0 | 0.21 | (Hesse et al., 2001) | | *Microcystis aeruginosa PCC7806* | MIV/2 | 70.0 | 20.0 | 0.19 | (Hesse et al., 2001) | | *Microcystis aeruginosa PCC7806* | MIV/2 | 90.0 | 20.0 | 0.21 | (Hesse et al., 2001) | | *Microcystis aeruginosa PCC7806* | MIV/2 | 90.0 | 20.0 | 0.22 | (Hesse et al., 2001) | | *Microcystis aeruginosa PCC7806* | MIV/2 | 90.0 | 20.0 | 0.20 | (Hesse et al., 2001) | | *Microcystis aeruginosa PCC7806* | MIV/2 | 105.0 | 20.0 | 0.22 | (Hesse et al., 2001) | | *Microcystis aeruginosa PCC7806* | MIV/2 | 105.0 | 20.0 | 0.23 | (Hesse et al., 2001) | | *Microcystis aeruginosa PCC7806* | MIV/2 | 105.0 | 20.0 | 0.21 | (Hesse et al., 2001) | | *Microcystis aeruginosa PCC7806* | Modified BG11 | 50.0 | 25.0 | 0.15 | (Shen and Song, 2007) | | *Microcystis aeruginosa PCC7806* | Modified BG11 | 50.0 | 25.0 | 0.16 | (Shen and Song, 2007) | | *Microcystis aeruginosa PCC7806* | Modified BG11 | 50.0 | 25.0 | 0.14 | (Shen and Song, 2007) | | *Microcystis aeruginosa PCC7806* | O2-medium | 9.0 | 22.0 | 0.20 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 9.0 | 22.0 | 0.18 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 9.0 | 22.0 | 0.21 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 13.0 | 22.0 | 0.17 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 13.0 | 22.0 | 0.17 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 13.0 | 22.0 | 0.17 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 20.0 | 22.0 | 0.26 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 20.0 | 22.0 | 0.23 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 20.0 | 22.0 | 0.29 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 30.0 | 22.0 | 0.28 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 30.0 | 22.0 | 0.27 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 30.0 | 22.0 | 0.29 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 38.0 | 22.0 | 0.36 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 38.0 | 22.0 | 0.34 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 38.0 | 22.0 | 0.39 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 43.0 | 22.0 | 0.38 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 43.0 | 22.0 | 0.35 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 43.0 | 22.0 | 0.40 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 65.0 | 22.0 | 0.34 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 65.0 | 22.0 | 0.34 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 65.0 | 22.0 | 0.34 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 125.0 | 22.0 | 0.38 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 125.0 | 22.0 | 0.36 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 125.0 | 22.0 | 0.41 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 150.0 | 22.0 | 0.33 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 150.0 | 22.0 | 0.28 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 150.0 | 22.0 | 0.38 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 250.0 | 22.0 | 0.37 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 250.0 | 22.0 | 0.33 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 250.0 | 22.0 | 0.41 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 255.0 | 22.0 | 0.35 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 255.0 | 22.0 | 0.29 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 255.0 | 22.0 | 0.42 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 400.0 | 22.0 | 0.32 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 400.0 | 22.0 | 0.32 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7806* | O2-medium | 400.0 | 22.0 | 0.32 | (Wiedner et al., 2003) | | *Microcystis aeruginosa PCC7820* | Modified BG11 | 50.0 | 25.0 | 0.10 | (Shen and Song, 2007) | | *Microcystis aeruginosa PCC7820* | Modified BG11 | 50.0 | 25.0 | 0.12 | (Shen and Song, 2007) | | *Microcystis aeruginosa PCC7820* | Modified BG11 | 50.0 | 25.0 | 0.09 | (Shen and Song, 2007) | | *Microcystis aeruginosa PCC7941* |  |  | 20.0 | 0.58 | (Lürling et al., 2013) | | *Microcystis aeruginosa PCC7941* |  |  | 25.0 | 0.67 | (Lürling et al., 2013) | | *Microcystis aeruginosa PCC7941* |  |  | 22.5 | 1.05 | (Lürling et al., 2013) | | *Microcystis aeruginosa PCC7941* |  |  | 27.5 | NA | (Lürling et al., 2013) | | *Microcystis aeruginosa PCC7941* |  |  | 25.0 | 1.16 | (Lürling et al., 2013) | | *Microcystis aeruginosa PCC7941* |  |  | 30.0 | 1.01 | (Lürling et al., 2013) | | *Microcystis aeruginosa PCC7941* | Modified WC | 80.0 | 20.0 | 0.58 | (Lürling et al., 2013) | | *Microcystis aeruginosa PCC7941* | Modified WC | 80.0 | 20.0 | 0.57 | (Lürling et al., 2013) | | *Microcystis aeruginosa PCC7941* | Modified WC | 80.0 | 20.0 | 0.59 | (Lürling et al., 2013) | | *Microcystis aeruginosa PCC7941* | Modified WC | 80.0 | 25.0 | 0.67 | (Lürling et al., 2013) | | *Microcystis aeruginosa PCC7941* | Modified WC | 80.0 | 25.0 | 0.72 | (Lürling et al., 2013) | | *Microcystis aeruginosa PCC7941* | Modified WC | 80.0 | 25.0 | 0.62 | (Lürling et al., 2013) | | *Microcystis aeruginosa PCC7941* | Modified WC | 80.0 | 27.5 | 1.05 | (Lürling et al., 2013) | | *Microcystis aeruginosa PCC7941* | Modified WC | 80.0 | 27.5 | 1.04 | (Lürling et al., 2013) | | *Microcystis aeruginosa PCC7941* | Modified WC | 80.0 | 27.5 | 1.06 | (Lürling et al., 2013) | | *Microcystis aeruginosa PCC7941* | Modified WC | 80.0 | 32.5 | 1.16 | (Lürling et al., 2013) | | *Microcystis aeruginosa PCC7941* | Modified WC | 80.0 | 32.5 | 1.16 | (Lürling et al., 2013) | | *Microcystis aeruginosa PCC7941* | Modified WC | 80.0 | 32.5 | 1.16 | (Lürling et al., 2013) | | *Microcystis aeruginosa PCC7941* | Modified WC | 80.0 | 35.0 | 1.01 | (Lürling et al., 2013) | | *Microcystis aeruginosa PCC7941* | Modified WC | 80.0 | 35.0 | 1.02 | (Lürling et al., 2013) | | *Microcystis aeruginosa PCC7941* | Modified WC | 80.0 | 35.0 | 1.00 | (Lürling et al., 2013) | | *Microcystis aeruginosa UTEXLB2061* | WC | 135.0 | 25.0 | 0.50 | (Sugimoto et al., 2015) | | *Microcystis aeruginosa UTEXLB2061* | WC | 135.0 | 25.0 | 0.48 | (Sugimoto et al., 2015) | | *Microcystis aeruginosa UTEXLB2061* | WC | 135.0 | 25.0 | 0.49 | (Sugimoto et al., 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 15.0 | 0.00 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 15.0 | 0.01 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 15.0 | 0.01 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 15.0 | 0.00 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 20.0 | 0.21 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 20.0 | 0.22 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 20.0 | 0.21 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 20.0 | 0.21 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 25.0 | 0.39 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 25.0 | 0.41 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 25.0 | 0.40 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 25.0 | 0.40 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 30.0 | 0.35 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 30.0 | 0.35 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 30.0 | 0.34 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 30.0 | 0.35 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 35.0 | 0.68 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 35.0 | 0.66 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 35.0 | 0.67 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 35.0 | 0.67 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 40.0 | -0.21 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 40.0 | -0.20 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 40.0 | -0.23 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 40.0 | -0.21 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 15.0 | -0.04 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 15.0 | -0.05 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 15.0 | -0.02 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 15.0 | -0.04 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 20.0 | 0.13 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 20.0 | 0.12 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 20.0 | 0.10 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 20.0 | 0.12 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 25.0 | 0.26 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 25.0 | 0.24 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 25.0 | 0.25 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 25.0 | 0.25 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 30.0 | 0.28 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 30.0 | 0.27 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 30.0 | 0.26 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 30.0 | 0.27 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 35.0 | -0.15 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 35.0 | -0.16 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 35.0 | -0.17 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa bear AC02* | WC | 100.0 | 35.0 | -0.16 | (Thomas and Litchman, 2015) | | *Microcystis aeruginosa* |  |  | 30.0 | 0.81 | (Chu et al., 2007) | | *Microcystis aeruginosa* |  |  | 30.0 | 1.09 | (Coles and Jones, 2000) | | *Microcystis aeruginosa* |  |  | 30.0 | 0.45 | (Imai et al., 2009) | | *Microcystis aeruginosa* |  |  | 32.0 | 1.60 | (Nalewajko and Murphy, 2001) | | *Microcystis aeruginosa* |  |  | 27.5 | 0.80 | (Nicklisch and Kohl, 1983) | | *Microcystis aeruginosa* |  |  | 35.0 | 1.06 | (OHKUBO et al., 1991) | | *Microcystis aeruginosa* |  |  | 25.0 | 0.19 | (Sivonen et al., 1990) | | *Microcystis aeruginosa* |  |  | 25.0 | 0.36 | (Staehr and Birkeland, 2006) | | *Microcystis aeruginosa* |  |  | 32.0 | 0.59 | (Watanabe and Oishi, 1985) | | *Microcystis aeruginosa* |  |  | 32.0 | 0.81 | (Westhuizen and Eloff, 1985) | | *Microcystis aeruginosa* |  | 77.3 ± 11.4 | 30.0 ± 18.2 | 0.52 | (Xiao et al., 2020) | | *Microcystis agardhii* | Z8 | 4.0 | 20.0 | 0.06 | (Salvador et al., 2016) | | *Microcystis agardhii* | Z8 | 20.0 | 20.0 | 0.09 | (Salvador et al., 2016) | | *Microcystis agardhii* | Z8 | 30.0 | 20.0 | 0.09 | (Salvador et al., 2016) | | *Microcystis ichthyoblabe* |  |  | 35.0 | 1.32 | (Sabour et al., 2009) | | *Microcystis ma* | MLA | 60.0 | 27.0 | 0.57 | (Mowe et al., 2015) | | *Microcystis ma* | MLA | 60.0 | 27.0 | 0.64 | (Mowe et al., 2015) | | *Microcystis ma* | MLA | 60.0 | 27.0 | 0.50 | (Mowe et al., 2015) | | *Microcystis ma* | MLA | 60.0 | 30.0 | 0.32 | (Mowe et al., 2015) | | *Microcystis ma* | MLA | 60.0 | 30.0 | 0.37 | (Mowe et al., 2015) | | *Microcystis ma* | MLA | 60.0 | 30.0 | 0.26 | (Mowe et al., 2015) | | *Microcystis ma* | MLA | 60.0 | 33.0 | 0.55 | (Mowe et al., 2015) | | *Microcystis ma* | MLA | 60.0 | 33.0 | 0.38 | (Mowe et al., 2015) | | *Microcystis ma* | MLA | 60.0 | 33.0 | 0.73 | (Mowe et al., 2015) | | *Microcystis ma* | MLA | 60.0 | 36.0 | 0.68 | (Mowe et al., 2015) | | *Microcystis ma* | MLA | 60.0 | 36.0 | 0.65 | (Mowe et al., 2015) | | *Microcystis ma* | MLA | 60.0 | 36.0 | 0.62 | (Mowe et al., 2015) | | *Microcystis sp. FACHB1271* | CT | 25.0 | 15.0 | 0.03 | (Wu et al., 2011) | | *Microcystis sp. FACHB1271* | CT | 25.0 | 25.0 | 0.25 | (Wu et al., 2011) | | *Microcystis sp. FACHB1271* | CT | 25.0 | 35.0 | 0.26 | (Wu et al., 2011) | | *Microcystis sp. FACHB1271* | CT | 25.0 | 15.0 | 0.04 | (Wu et al., 2011) | | *Microcystis sp. FACHB1271* | CT | 25.0 | 25.0 | 0.25 | (Wu et al., 2011) | | *Microcystis sp. FACHB1271* | CT | 25.0 | 35.0 | 0.27 | (Wu et al., 2011) | | *Microcystis sp. FACHB1271* | CT | 25.0 | 15.0 | 0.03 | (Wu et al., 2011) | | *Microcystis sp. FACHB1271* | CT | 25.0 | 25.0 | 0.25 | (Wu et al., 2011) | | *Microcystis sp. FACHB1271* | CT | 25.0 | 35.0 | 0.26 | (Wu et al., 2011) | | *Microcystis viridis* |  |  | 25.0 | 0.17 | (OHKUBO et al., 1991) | | *Microcystis viridis* |  |  | 30.0 | 0.52 | (OHKUBO et al., 1991) | | *Microcystis wesenbergii* |  |  | 35.0 | 0.22 | (Imai et al., 2009) | | *Microcystis wesenbergii* |  |  | 35.0 | 1.50 | (OHKUBO et al., 1991) | | *Microcystis* sp. |  |  | 25.0 | 0.35 | (Konopka and Brock, 1978) | | *Oscillatoria acuminata* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.24 | (Tiwari et al., 2001) | | *Oscillatoria agardhii* |  |  | 30.0 | 1.12 | (Foy et al., 1976) | | *Oscillatoria agardhii* |  |  | 25.0 | 0.23 | (Sivonen et al., 1990) | | *Oscillatoria agardhii* |  |  | 35.0 | 0.64 | (TALBOT, 1991) | | *Oscillatoria agardhii* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.09 | (Tiwari et al., 2001) | | *Oscillatoria annae* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.17 | (Tiwari et al., 2001) | | *Oscillatoria brevis* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.15 | (Tiwari et al., 2001) | | *Oscillatoria cf. chalybea* | BG11 | 40.0 | 21.5 ~ 28 | 0.31 | (Van Der Ploeg et al., 1995) | | *Oscillatoria cf. chalybea* | BG11 | 40.0 | 19.0 | 0.12 | (Van Der Ploeg et al., 1995) | | *Oscillatoria cf. chalybea* | BG11 | 80.0 | 28.0 | 0.62 | (Van Der Ploeg et al., 1995) | | *Oscillatoria cf. chalybea* | BG11 | 73.0 | 28.0 | 0.59 | (Van Der Ploeg et al., 1995) | | *Oscillatoria cf. chalybea* | BG11 | 65.3 | 28.0 | 0.50 | (Van Der Ploeg et al., 1995) | | *Oscillatoria cf. chalybea* | BG11 | 40.4 | 28.0 | 0.28 | (Van Der Ploeg et al., 1995) | | *Oscillatoria cf. chalybea* | BG11 | 31.9 | 28.0 | 0.31 | (Van Der Ploeg et al., 1995) | | *Oscillatoria cf. chalybea* | BG11 | 30.3 | 28.0 | 0.19 | (Van Der Ploeg et al., 1995) | | *Oscillatoria limosa Agardh ex Gomont* | CT | 30.0 | 15.0 | 0.26 | (Cai et al., 2017) | | *Oscillatoria limosa Agardh ex Gomont* | CT | 30.0 | 25.0 | 0.28 | (Cai et al., 2017) | | *Oscillatoria limosa Agardh ex Gomont* | CT | 30.0 | 35.0 | 0.12 | (Cai et al., 2017) | | *Oscillatoria limosa Agardh ex Gomont* | CT | 60.0 | 25.0 | 0.32 | (Cai et al., 2017) | | *Oscillatoria limosa Agardh ex Gomont* | CT | 10.0 | 25.0 | 0.26 | (Cai et al., 2017) | | *Oscillatoria limosa* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.14 | (Tiwari et al., 2001) | | *Oscillatoria mougeotii* |  |  | 30.0 | 0.56 | (Chu et al., 2007) | | *Oscillatoria priestleyi O-salt* | BG20 | 225.0 | 20.0 | 0.29 | (Tang et al., 1997) | | *Oscillatoria proteus* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.07 | (Tiwari et al., 2001) | | *Oscillatoria redekei* |  |  | 25.0 | 1.32 | (Foy et al., 1976) | | *Oscillatoria sancta* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.08 | (Tiwari et al., 2001) | | *Oscillatoria simplicissima* |  |  | 28.0 | 0.22 | (Venter et al., 2003) | | *Oscillatoria simplicissima* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.10 | (Tiwari et al., 2001) | | *Oscillatoria sp. E17* | BG18 | 225.0 | 18.3 | 0.23 | (Tang et al., 1997) | | *Oscillatoria sp. O-201* | BG32 | 225.0 | 15.0 | 0.19 | (Tang et al., 1997) | | *Oscillatoria vizagapatensis* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.06 | (Tiwari et al., 2001) | | *Oscillatoria* sp. |  |  | 25.0 | 1.11 | (Coles and Jones, 2000) | | *Oscillatoria* sp. |  |  | 27.0 | 0.36 | (Novak and Brune, 1985) | | *Phormidium amoenum Pho012* | ASM | 100.0 | 25.0 | 0.15 | (Li et al., 2012) | | *Phormidium amoenum Pho012* | ASM | 10.0 | 25.0 | 0.07 | (Li et al., 2012) | | *Phormidium amoenum Pho012* | ASM | 100.0 | 18.0 | 0.08 | (Li et al., 2012) | | *Phormidium amoenum Pho012* | ASM | 10.0 | 18.0 | 0.10 | (Li et al., 2012) | | *Phormidium angustissimum* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.10 | (Tiwari et al., 2001) | | *Phormidium autumnale O-152* | BG28 | 225.0 | 24.9 | 0.15 | (Tang et al., 1997) | | *Phormidium autumnale O-154* | BG29 | 225.0 | 25.0 | 0.12 | (Tang et al., 1997) | | *Phormidium bohneri* |  |  | 35.0 | 1.59 | (TALBOT, 1991) | | *Phormidium bohneri* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.21 | (Tiwari et al., 2001) | | *Phormidium foveolarum* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.22 | (Tiwari et al., 2001) | | *Phormidium fragile* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.18 | (Tiwari et al., 2001) | | *Phormidium murrayi O-099* | BG24 | 225.0 | 20.0 | 0.37 | (Tang et al., 1997) | | *Phormidium rubroterricola* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.12 | (Tiwari et al., 2001) | | *Phormidium sp. E12* | BG17 | 225.0 | 24.9 | 0.24 | (Tang et al., 1997) | | *Phormidium sp. E18* | BG19 | 225.0 | 20.2 | 0.29 | (Tang et al., 1997) | | *Phormidium sp. E6a* | BG13 | 225.0 | 17.7 | 0.17 | (Tang et al., 1997) | | *Phormidium sp. E7* | BG14 | 225.0 | 20.8 | 0.16 | (Tang et al., 1997) | | *Phormidium sp. ElIb* | BG16 | 225.0 | 18.6 | 0.28 | (Tang et al., 1997) | | *Phormidium sp. Ella* | BG15 | 225.0 | 25.5 | 0.17 | (Tang et al., 1997) | | *Phormidium sp. F5* | BG12 | 225.0 | 20.1 | 0.19 | (Tang et al., 1997) | | *Phormidium sp. F9* | BG11 | 225.0 | 17.9 | 0.20 | (Tang et al., 1997) | | *Phormidium sp. O-025* | BG21 | 225.0 | 16.1 | 0.20 | (Tang et al., 1997) | | *Phormidium sp. O-042* | BG22 | 225.0 | 15.0 | 0.31 | (Tang et al., 1997) | | *Phormidium sp. O-043* | BG23 | 225.0 | 18.9 | 0.21 | (Tang et al., 1997) | | *Phormidium sp. O-104* | BG26 | 225.0 | 20.7 | 0.25 | (Tang et al., 1997) | | *Phormidium sp. O-109* | BG25 | 225.0 | 19.3 | 0.20 | (Tang et al., 1997) | | *Phormidium sp. O-120* | BG27 | 225.0 | 35.0 | 0.41 | (Tang et al., 1997) | | *Phormidium sp. O-157* | BG30 | 225.0 | 16.1 | 0.16 | (Tang et al., 1997) | | *Phormidium sp. O-160* | BG31 | 225.0 | 20.1 | 0.13 | (Tang et al., 1997) | | *Phormidium sp. O-202* | BG33 | 225.0 | 25.0 | 0.31 | (Tang et al., 1997) | | *Phormidium sp. O-203* | BG34 | 225.0 | 20.6 | 0.24 | (Tang et al., 1997) | | *Phormidium sp. O-204* | BG35 | 225.0 | 19.6 | 0.26 | (Tang et al., 1997) | | *Phormidium sp. O-210* | BG36 | 225.0 | 17.0 | 0.21 | (Tang et al., 1997) | | *Phormidium sp. O-211* | BG37 | 225.0 | 15.9 | 0.30 | (Tang et al., 1997) | | *Phormidium sp. Pho689* | WC | 100.0 | 25.0 | 0.09 | (Li et al., 2012) | | *Phormidium sp. Pho689* | WC | 10.0 | 25.0 | 0.14 | (Li et al., 2012) | | *Phormidium sp. Pho689* | WC | 100.0 | 18.0 | 0.08 | (Li et al., 2012) | | *Phormidium sp. Pho689* | WC | 10.0 | 18.0 | 0.07 | (Li et al., 2012) | | *Planktothricoides raciborskii* | BG11 |  |  | 0.39 | This study | | *Planktothricoides raciborskii* | BG11 |  |  | 1.96 | This study | | *Planktothricoides raciborskii* | BG11 |  |  | 0.39 | This study | | *Planktothricoides raciborskii* | BG11 |  |  | 0.08 | This study | | *Planktothricoides raciborskii* | BG11 |  |  | 0.27 | This study | | *Planktothricoides raciborskii* | BG11 |  |  | 0.27 | This study | | *Planktothrix agardhii* | Modified MIV | 145.0 | 20.0 | 0.38 | (Nicklisch, 1998) | | *Planktothrix agardhii* | Modified MIV | 92.0 | 20.0 | 0.34 | (Nicklisch, 1998) | | *Planktothrix agardhii* | Modified MIV | 145.0 | 20.0 | 0.42 | (Nicklisch, 1998) | | *Planktothrix agardhii* | Modified MIV | 160.0 | 20.0 | 0.62 | (Nicklisch, 1998) | | *Planktothrix agardhii* | Modified MIV | 61.0 | 20.0 | 0.51 | (Nicklisch, 1998) | | *Planktothrix agardhii* | Modified MIV | 308.0 | 20.0 | 0.42 | (Nicklisch, 1998) | | *Planktothrix agardhii* | Modified MIV | 64.0 | 20.0 | 0.66 | (Nicklisch, 1998) | | *Planktothrix agardhii* | Modified MIV | 237.0 | 20.0 | 0.56 | (Nicklisch, 1998) | | *Planktothrix agardhii* | Modified MIV | 309.0 | 20.0 | 0.58 | (Nicklisch, 1998) | | *Planktothrix agardhii* | Modified MIV | 467.0 | 20.0 | 0.29 | (Nicklisch, 1998) | | *Planktothrix agardhii* | Modified MIII |  | 28.0 | 0.74 | (Nicklisch et al., 2007) | | *Planktothrix agardhii* | Modified MIII |  | 24.0 | 0.72 | (Nicklisch et al., 2007) | | *Planktothrix agardhii* | Modified MIII |  | 20.0 | 0.58 | (Nicklisch et al., 2007) | | *Planktothrix agardhii* | Modified MIII |  | 16.0 | 0.43 | (Nicklisch et al., 2007) | | *Planktothrix agardhii* | Modified MIII |  | 12.0 | 0.23 | (Nicklisch et al., 2007) | | *Planktothrix agardhii* | Modified MIII |  | 8.0 | 0.13 | (Nicklisch et al., 2007) | | *Planktothrix agardhii* | Modified MIII |  | 20.0 | 0.56 | (Nicklisch et al., 2007) | | *Planktothrix agardhii* | Modified MIII |  | 20.0 | 0.57 | (Nicklisch et al., 2007) | | *Planktothrix agardhii* | Modified MIII |  | 20.0 | 0.44 | (Nicklisch et al., 2007) | | *Planktothrix agardhii CYA116* |  |  | 20.0 | 0.50 | (Lürling et al., 2013) | | *Planktothrix agardhii CYA116* |  |  | 25.0 | 0.71 | (Lürling et al., 2013) | | *Planktothrix agardhii CYA116* |  |  | 22.5 | 0.82 | (Lürling et al., 2013) | | *Planktothrix agardhii CYA116* |  |  | 27.5 | NA | (Lürling et al., 2013) | | *Planktothrix agardhii CYA116* |  |  | 25.0 | 0.70 | (Lürling et al., 2013) | | *Planktothrix agardhii CYA116* |  |  | 30.0 | 0.40 | (Lürling et al., 2013) | | *Planktothrix agardhii CYA126* |  |  | 20.0 | 0.43 | (Lürling et al., 2013) | | *Planktothrix agardhii CYA126* |  |  | 25.0 | 0.60 | (Lürling et al., 2013) | | *Planktothrix agardhii CYA126* |  |  | 22.5 | NA | (Lürling et al., 2013) | | *Planktothrix agardhii CYA126* |  |  | 27.5 | 0.58 | (Lürling et al., 2013) | | *Planktothrix agardhii CYA126* |  |  | 25.0 | NA | (Lürling et al., 2013) | | *Planktothrix agardhii CYA126* |  |  | 30.0 | NA | (Lürling et al., 2013) | | *Planktothrix* sp. | BG11 | 5.0 | 25.0 | 0.02 | (Jia et al., 2019) | | *Planktothrix* sp. | BG11 | 17.0 | 25.0 | 0.16 | (Jia et al., 2019) | | *Planktothrix* sp. | BG11 | 36.0 | 25.0 | 0.20 | (Jia et al., 2019) | | *Planktothrix* sp. | BG11 | 85.0 | 25.0 | 0.16 | (Jia et al., 2019) | | *Planktothrix* sp. | BG11 | 250.0 | 25.0 | 0.18 | (Jia et al., 2019) | | *Planktothrix* sp. | BG11 | 4.4 | 25.0 | 0.00 | (Jia et al., 2019) | | *Plectonema battersii* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.18 | (Tiwari et al., 2001) | | *Plectonema boryanurn UTEX-482* |  |  |  | 1.44 | (Prakash et al., 1999) | | *Plectonema boryanurn UTEX-482* |  |  |  | 1.40 | (Prakash et al., 1999) | | *Plectonema boryanurn UTEX-485* |  |  |  | 0.29 | (Miskiewicz et al., 2000) | | *Plectonema boryanurn UTEX-485* |  |  |  | 2.05 | (Miskiewicz et al., 2000) | | *Plectonema boryanurn UTEX-485* |  |  |  | 0.39 | (Miskiewicz et al., 2000) | | *Plectonema boryanurn UTEX-485* |  |  |  | 2.15 | (Miskiewicz et al., 2000) | | *Plectonema golenkilianum* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.07 | (Tiwari et al., 2001) | | *Plectonema nostocorum* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.12 | (Tiwari et al., 2001) | | *Plectonema yellowstonense* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.14 | (Tiwari et al., 2001) | | *Pseudanabaena frigidum* | BG11 | 33.8 ~ 54.1 | 28.0 | 0.26 | (Tiwari et al., 2001) | | *Pseudanabaena sp. FACHB1277* | BG11 | 25.0 | 25.0 | 0.25 | (Zhang et al., 2016) | | *Pseudanabaena sp. FACHB1277* | BG11 | 10.0 | 25.0 | 0.11 | (Zhang et al., 2016) | | *Pseudanabaena sp. FACHB1277* | BG11 | 40.0 | 25.0 | 0.23 | (Zhang et al., 2016) | | *Pseudanabaena sp. FACHB1277* | BG11 | 55.0 | 25.0 | 0.19 | (Zhang et al., 2016) | | *Pseudanabaena sp. FACHB1277* | BG11 | 70.0 | 25.0 | 0.17 | (Zhang et al., 2016) | | *Pseudanabaena sp. FACHB1277* | BG11 | 85.0 | 25.0 | 0.15 | (Zhang et al., 2016) | | *Pseudanabaena sp. FACHB1277* | BG11 | 25.0 | 10.0 | 0.08 | (Zhang et al., 2016) | | *Pseudanabaena sp. FACHB1277* | BG11 | 25.0 | 15.0 | 0.19 | (Zhang et al., 2016) | | *Pseudanabaena sp. FACHB1277* | BG11 | 25.0 | 20.0 | 0.24 | (Zhang et al., 2016) | | *Pseudanabaena sp. FACHB1277* | BG11 | 25.0 | 30.0 | 0.24 | (Zhang et al., 2016) | | *Pseudanabaena sp. FACHB1277* | BG11 | 25.0 | 35.0 | 0.20 | (Zhang et al., 2016) | | *Pseudanabaena sp. dqh15* | CT | 10.0 | 25.0 | 0.08 | (Wang and Li, 2015) | | *Pseudanabaena sp. dqh15* | CT | 30.0 | 25.0 | 0.09 | (Wang and Li, 2015) | | *Pseudanabaena sp. dqh15* | CT | 60.0 | 25.0 | 0.04 | (Wang and Li, 2015) | | *Pseudanabaena sp. dqh15* | CT | 30.0 | 10.0 | 0.18 | (Wang and Li, 2015) | | *Pseudanabaena sp. dqh15* | CT | 30.0 | 35.0 | 0.07 | (Wang and Li, 2015) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 71.0 | 15.0 | 0.13 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 71.0 | 20.0 | 0.17 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.19 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 71.0 | 30.0 | 0.16 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 71.0 | 35.0 | 0.13 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 71.0 | 40.0 | -0.02 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 0.0 | 25.0 | -0.13 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 9.0 | 25.0 | 0.18 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 18.0 | 25.0 | 0.21 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 27.0 | 25.0 | 0.23 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 36.0 | 25.0 | 0.22 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 45.0 | 25.0 | 0.22 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.22 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 142.0 | 25.0 | 0.21 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 216.0 | 25.0 | 0.21 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN:0 mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | -0.11 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN:2.4mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | -0.01 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN:4.8mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.04 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN:9.6mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.09 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN:19.2mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.17 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN:38.4mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.19 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN:76.8mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.20 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN:153.6mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.21 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN:230.4mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.22 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP:0mg/L | 71.0 | 25.0 | 0.06 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP:0.04mg/L | 71.0 | 25.0 | 0.22 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP:0.16mg/L | 71.0 | 25.0 | 0.25 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP:0.32mg/L | 71.0 | 25.0 | 0.27 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP:0.64mg/L | 71.0 | 25.0 | 0.28 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP:1.28mg/L | 71.0 | 25.0 | 0.28 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP:5.12mg/L | 71.0 | 25.0 | 0.24 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP:10.24mg/L | 71.0 | 25.0 | 0.23 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP:102.4mg/L | 71.0 | 25.0 | 0.05 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.00 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.21 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.24 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.23 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.24 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.22 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.00 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.00 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.21 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.25 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.25 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.22 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.20 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.20 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.21 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.20 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.21 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.21 | (Gao et al., 2018) | | *Pseudanabaena* sp. | TN: 247 mg/L,TP: 7.12 mg/L | 71.0 | 25.0 | 0.21 | (Gao et al., 2018) | | *Selenastrum capricornutum* |  |  | 30.0 | 0.61 | (Fujimoto et al., 1994) | | *Selenastrum capricornutum* |  |  | 21.0 | 1.08 | (Novak and Brune, 1985) | | *Selenastrum minutum* |  |  | 35.0 | 1.73 | (Bouarab et al., 2002) | | *Synechococcus elongatus PCC6301* |  |  | 20.0 | 0.30 | (Lürling et al., 2013) | | *Synechococcus elongatus PCC6301* |  |  | 25.0 | 0.67 | (Lürling et al., 2013) | | *Synechococcus elongatus PCC6301* |  |  | 22.5 | 0.64 | (Lürling et al., 2013) | | *Synechococcus elongatus PCC6301* |  |  | 27.5 | 0.72 | (Lürling et al., 2013) | | *Synechococcus elongatus PCC6301* |  |  | 25.0 | 0.82 | (Lürling et al., 2013) | | *Synechococcus elongatus PCC6301* |  |  | 30.0 | 0.91 | (Lürling et al., 2013) | | *Synechococcus sp. CCMP1768* |  | 43.0 |  | 0.23 | (Glibert et al., 2009) | | *Synechococcus sp. CCMP1768* |  | 43.0 |  | 0.49 | (Glibert et al., 2009) | | *Synechococcus sp. strain PCC6301* |  |  |  | 0.03 | (Lepp and Schmidt, 2004) | | *Synechococcus sp. strain PCC6301* |  |  |  | 0.48 | (Lepp and Schmidt, 2004) | | *Synechococcus sp. strain PCC6301* |  |  |  | 3.40 | (Lepp and Schmidt, 2004) | | *Synechococcus sp. strain PCC6301* |  |  |  | 1.37 | (Lepp and Schmidt, 2004) | | *Synechococcus sp. strain PCC6301* |  |  |  | 0.19 | (Lepp and Schmidt, 2004) | | *Synechococcus spp.* | Nitrate:1.7µM |  | 25.2 | 2.16 | (Gong and Tsai, 2019) | | *Synechococcus spp.* | Nitrate:0.1µM |  | 26.5 | 3.12 | (Gong and Tsai, 2019) | | *Synechococcus spp.* | Nitrate:0.1µM |  | 26.6 | -0.24 | (Gong and Tsai, 2019) | | *Synechococcus spp.* | Nitrate:0µM |  | 28.2 | 0.24 | (Gong and Tsai, 2019) | | *Synechococcus spp.* | Nitrate:0.4µM |  | 28.6 | 1.44 | (Gong and Tsai, 2019) | | *Synechococcus spp.* | Nitrate:0.4µM |  | 27.4 | 0.96 | (Gong and Tsai, 2019) | | *Synechococcus spp.* | Nitrate:4.6µM |  | 24.8 | 9.36 | (Gong and Tsai, 2019) | | *Synechococcus spp.* | Nitrate:37.2µM |  | 22.5 | 0.72 | (Gong and Tsai, 2019) | | *Synechococcus spp.* | Nitrate:29.5µM |  | 24.7 | 2.40 | (Gong and Tsai, 2019) | | *Synechococcus spp.* | Nitrate:0.3µM |  | 25.3 | -1.92 | (Gong and Tsai, 2019) | | *Synechococcus spp.* | Nitrate:0.6µM |  | 26.4 | 4.08 | (Gong and Tsai, 2019) | | *Synechococcus spp.* | Nitrate:0.4µM |  | 26.1 | 2.16 | (Gong and Tsai, 2019) | | *Synechococcus spp.* | Nitrate:0.3µM |  | 25.9 | -0.24 | (Gong and Tsai, 2019) | | *Synechococcus spp.* | Nitrate:0.2µM |  | 26.1 | 1.68 | (Gong and Tsai, 2019) | | *Synechococcus spp.* | Nitrate:0.1µM |  | 29.9 | 1.44 | (Gong and Tsai, 2019) | | *Synechococcus spp.* |  |  |  | 0.70 | (Liu et al., 1998) | | *Synechococcus spp.* |  |  |  | 1.33 | (Liu et al., 1998) | | *Synechococcus spp.* |  |  |  | 0.44 | (Liu et al., 1998) | | *Synechococcus spp.* |  |  |  | 1.35 | (Liu et al., 1998) | | *Synechococcus spp.* |  |  |  | 1.49 | (Liu et al., 1998) | | *Synechococcus spp.* | NO3:2.3µM; PO4:0.4µM |  | 28.5 | 0.60 | (Tsai and Mukhanov, 2021) | | *Synechococcus spp.* | NO3:19.4µM; PO4:1.9µM |  |  | 0.66 | (Tsai and Mukhanov, 2021) | | *Synechococcus spp.* | NO3:1.8µM; PO4:0.5µM |  | 30.0 | 0.62 | (Tsai and Mukhanov, 2021) | | *Synechococcus spp.* | NO3:18.6µM; PO4:1.8µM |  |  | 0.65 | (Tsai and Mukhanov, 2021) | | *Synechococcus spp.* | NO3:3.1µM; PO4:0.8µM |  | 29.0 | 0.59 | (Tsai and Mukhanov, 2021) | | *Synechococcus spp.* | NO3:16.2µM; PO4:1.5µM |  |  | 0.64 | (Tsai and Mukhanov, 2021) | | *Synechococcus spp.* | NO3:3.5µM; PO4:0.7µM |  | 28.5 | 0.54 | (Tsai and Mukhanov, 2021) | | *Synechococcus spp.* | NO3:18.9µM; PO4:1.6µM |  |  | 0.56 | (Tsai and Mukhanov, 2021) | | *Synechococcus spp.* |  |  |  | -0.25 | (Heng et al., 2017) | | *Synechococcus spp.* |  |  |  | 0.98 | (Heng et al., 2017) | | *Synechococcus spp.* |  |  |  | 0.29 | (Heng et al., 2017) | | *Synechococcus spp.* |  |  |  | 0.82 | (Heng et al., 2017) | | *Synechococcus* sp. |  |  | 20.0 | 0.98 | (Malinsky-Rushansky, 2002) | | *Synechococcus* sp. |  |  | 28.0 | 1.19 | (Malinsky-Rushansky, 2002) | | *Synechococcus* sp. | N:2.54µM N d–1; P:1/20N |  |  | 1.17 | (Agawin et al., 2000) | | *Synechococcus* sp. | 0~10.18µM N d–1; P:1/20N |  |  | 5.00 | (Agawin et al., 2000) | | *Synechococcus* sp. | 0.25µM N d–1; P:1/20N |  |  | 3.05 | (Agawin et al., 2000) | |

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