Table S3. Percentage of identities of partial *sxt* gene sequences of *C. raciborskii* Brazilian strains with other sequences from STX-producing cyanobacterial strains.

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| ***sxtA4* identities (%)** |
| **Strain (Acession Number)** | **CENA302** | **CENA303** | **CENA305** |
| *C. raciborskii* T3 (DQ787200) | 99.5 | 99.5 | 100 |
| *R. brookii* D9 (NZ\_ACYB01000035) | 99.5 | 99.5 | 100 |
| *A. circinalis* AWQC131C (DQ787201) | 92.0 | 92.0 | 92.6 |
| *Aphanizomenon* sp.NH-5 (EU603710) | 92.0 | 92.0 | 92.6 |
| *L. wollei* Carmichael/Al (EU603711) | 90.0 | 90.0 | 90.6 |
| ***sxtB* identities (%)** |
| **Strain (Acession Number)** | **CENA302** | **CENA303** | **CENA305** |
| *C. raciborskii* T3 (DQ787200) | 100 | 97.7 | 99.4 |
| *R. brookii* D9 (NZ\_ACYB01000035) | 100 | 97.7 | 99.4 |
| *A. circinalis* AWQC131C (DQ787201) | 86.6 | 84.5 | 86.6 |
| *Aphanizomenon* sp.NH-5 (EU603710) | 84.7 | 82.6 | 84.7 |
| *L. wollei* Carmichael/Al (EU603711) | 86.8 | 85.1 | 86.8 |
|  ***sxtI* identities (%)** |
| **Strain (Acession Number)** | **CENA302** | **CENA303** | **CENA305** |
| *C. raciborskii* T3 (DQ787200) | 99.8 | 99.5 | 99.6 |
| *R. brookii* D9 (NZ\_ACYB01000035) | 99.7 | 99.1 | 99.5 |
| *A. circinalis* AWQC131C (DQ787201) | 89.0 | 89.6 | 89.2 |
| *Aphanizomenon* sp.NH-5 (EU603710) | 89.5 | 89.1 | 89.6 |
| *L. wollei* Carmichael/Al (EU603711)\* | – | – | – |

(\*) truncated or inactive sequence (Kellmann et al., 2008b).