

**Table 1**

Summary of publically available cyanobacterial genomes, including number, size range, average size and average %GC.

Subsection	Number of publically available genomes	Range of genome sizes (Mb) (average size)	Average %GC
I	105	0.1–8.36 (3.63)	44.8
II	6	4.99–7.39 (6.05)	39.9
III	44	4.68–9.42 (6.42)	46.5
IV	28	2.21–12.07 (6.44)	40.1
V	11	4.89–8.4 (6.90)	41.1
Melainabacteria	14	1.19–5.49 (2.25)	34.9