

Species	Repeat unit	# occurrences
<i>Chlorotetraedron incus</i>	GTTTTAT	31
	TTGATT	101
	TATTTTT	103
	TTCTTT	106
	TTTTTGA	128
	TTTTGG	360
<i>Chromochloris zofingiensis</i>	TGCTAT	30
	ATTATA	65
	AATTTTA	143
	AATTTA	449
<i>Kirchneriella aperta</i>	CTATTCT	27
	TTCATAT	28
	TTTATAT	44
	TTGTTTT	66
	ATTTAT	101
<i>Neochloris aquatica</i>	TTAATAA	25
	AATATTT	31
	TTAATT	98
<i>Ourococcus multisporus</i>	TTAATTA	58
	TTTTTAG	59
	TTGGTT	106
	TAATTA	136

<i>Pseudomuriella schumacherensis</i>	TTAATT	183
	TTATTTT	206
	TTTTATT	220
	TTTTTAA	304
	TTTTAT	385
	TTTTGG	75

Table S13. Small dispersed repeats in mitochondrial genomes of Sphaeropleales, detected by RepeatMasker (Smit et al. 1996-2010). Only elements longer than 5 bp and repeated more than 10 times within a genome are listed. Colors indicate elements found in more than one species.