

Table 1. Chlorophyta. Source of specimens, reproductive phase, estimated nuclear genome size. Data standardized to the DNA level of chicken erythrocytes (RBC = 2.4 pg).

Species	Location	Reproductive Phase	Number of Slides	Number of Nuclei	Nuclear Genome Size (pg)		
					2C	4C	8C
<i>Acetabularia crenulata</i> Lamouroux	FL		2	32	1.7 ± 0.2		
<i>Acetabularia peniculus</i> (R. Brown ex Turner) Solms-Laubach (= <i>Polyphysa peniculus</i> (R. Brown ex Turner) C. Agardh)	UTEX 2705		3	30	2.8 ± 0.2		
<i>Acetabularia schenckii</i> Möbius (= <i>Acicularia schenckii</i> (Möbius) Solms-Laubach)	UTEX 2703		4	94	3.7 ± 0.6		
<i>Bryopsis plumosa</i> (Hudson) C. Agardh	NC		3	106	0.8 ± 0.2		
<i>Capsosiphon fulvescens</i> (C. Agardh) Setchell et Gardner	UTEX 759		3	41		0.33 ± 0.1	
<i>Chaetomorpha gracilis</i> Kützing	NC		3	115		2.8 ± 0.4	
<i>Chaetosphaeridium globosum</i> (Nordstedt) Klebahn	Delwiche		4	100		1.2 ± 0.2	
<i>Chlorocladus australasicus</i> Sonder	UTEX 2686		4	53	1.3 ± 0.3		
<i>Chlorokybus atmosphyticus</i> Geitler	UTEX 2591						
<i>Cladophora coelothrix</i> Kützing	UTEX 1474		3	68	2.9 ± 0.5		
<i>Cladophora prolifera</i> (Roth) Kützing	NC		1	10	2.4 ± 0.3		
<i>Codium dwarkense</i> Boergesen	SA-05-051		3	61		2.4 ± 0.5	
<i>Codium fragile</i> subsp. <i>tomentosoides</i> (van Goor) P. C. Silva	NC					11.6 ± 2.3*	
<i>Codium lucasii</i> Setchell	SA-05-084		3	80		1.8 ± 0.3*	
<i>Codium prostratum</i> Levring	SA-05-068		3	59		1.7 ± 0.4*	
<i>Coleochaete nitellarum</i> Jost	UTEX 1261		4	141		1.4 ± 0.3*	
<i>Coleochaete orbicularis</i> Pringsheim	UTEX 2651		4	142			3.0 ± 0.6*
<i>Coleochaete scutata</i> Brébisson	UTEX 2567		2	35			5.5 ± 0.8*
<i>Cosmocladium perissum</i> Roy et Bisset	UTEX 2447		2	62		31.2 ± 6.0*	
<i>Derbesia marina</i> (Lyngbye) Solier	NC	sporophyte	4	135		0.9 ± 0.2	
<i>Derbesia tenuissima</i> (De Notaris) Crouan frat.	2772		2	108		0.8 ± 0.1	
<i>Derbesia tenuissima</i>	2773	sporophyte	4	160		0.8 ± 0.1	
<i>Entransia fimbriata</i> Hughes	UTEX 2353		4	76		1.1 ± 0.3	
<i>Euastrum pectinatum</i> (Brébisson) ex Brébisson	UTEX 1748		1	21		23.2 ± 7.0	
<i>Gleotilopsis sterilis</i> Deason	UTEX 1704		3	137		0.23 ± 0.04	

<i>Gonatozygon monotaenium</i>	UTEX 1253	3	75		17.6 ± 2.6
<i>Klebsormidium flaccidum</i> (Kützing) P.C.Silva, K.Mattox et W.Blackwell	UTEX 2017	5	211	0.4 ± 0.1	
<i>Klebsormidium nitens</i> (Meneghini) Lokhorst	Argentina	2	73	0.58 ± 0.1*	
<i>Klebsormidium nitens</i>	Argentina	4	146	0.52 ± 0.1*	
<i>Mesostigma viride</i> Lauterborn	Delwiche	4	189		0.74 ± 0.1
<i>Mesotaenium kramstae</i> Lemmermann	UTEX 1025	4	80		1.1 ± 0.2
<i>Monostroma grevillei</i> (Thuret) Wittrock	NB	3	88	0.5 ± 0.2	
<i>Mougeotia transeauui</i> Collins	UTEX 2496	3	81		6.4 ± 0.7
<i>Neomeris dumetosa</i> Lamouroux	UTEX 2691	3	72		3.8 ± 0.6
<i>Ostreobium queketii</i> Bornet et Flahault	2924	2	118		0.9 ± 0.1
<i>Percursaria percursa</i> (C.Agardh) Rosenvinge	UTEX 1423	2	20	0.6 ± 0.1	
<i>Pithophora</i> sp.	UTEX 1333	3	60		3.8 ± 0.8
<i>Pithophora</i> sp.	UTEX 787	2	30		8.2 ± 2.3
<i>Pithophora</i> sp.	UTEX 787	1	5		17.0 ± 3.0
<i>Parvocaulis exigua</i> (Solms-Laubach) S. Berger et al. (= <i>Polyphysa exigua</i> (Solms-Laubach) M. J. Wynne)	UTEX 2706	2	41		3.2 ± 0.5
<i>Prasiola stipitata</i> Suhr in Jessen	Maine	3	33	0.9 ± 0.2	
<i>Pseudendoclonium basilense</i> Vischer	UTEX 2593	3	49		0.34 ± 0.1
<i>Pseudocodium de-vriesii</i> Weber-van Bosse	SA-05-070				
<i>Pyramimonas parkeae</i> Norris et Pearson	UTEX 2287	4	162	0.16 ± 0.03	
<i>Roya anglica</i> G. S. West	UTEX 934	4	80		1.6 ± 0.3
<i>Spirotaenia condensata</i> Brébisson	UTEX 2468				
<i>Spirotaenia obscura</i> Ralfs	UTEX 1520				
<i>Spongomorpha arcta</i> (Dillwyn) Kützing	NB	3	84	0.6 ± 0.2	
<i>Tetraselmis suecica</i> (Kyllin) Butcher	UTEX 2286	3	160	0.7 ± 0.1	
<i>Trentepohlia aurea</i> (Linnaeus) Martius	IRE384	3	92	1.43 ± 0.3	
<i>Trentepohlia umbrina</i> Kützing) Bornet (= <i>Phycopeltis umbrina</i> (Kützing Thompson et Wijek)	IRE294	3	95	1.34 ± 0.3	
<i>Trentepohlia iolithus</i> (Linnaeus) Wallroth	IRE293	3	64	2.0 ± 0.4	
<i>Ulothrix flacca</i> (Dillwyn) Thuret in Le Jolis	NB	3	88	0.9 ± 0.2	
<i>Ulva rotundata</i> Bliding	NC	2	58	0.6 ± 0.1	
<i>Ulvaria oxysperma</i> (Kützing) Bliding	NC	3	65	0.7 ± 0.2	