The following supplement accompanies the article

Airborne microeukaryote colonists in experimental water containers: diversity, succession, life histories and established food webs

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Supplement. Additional data

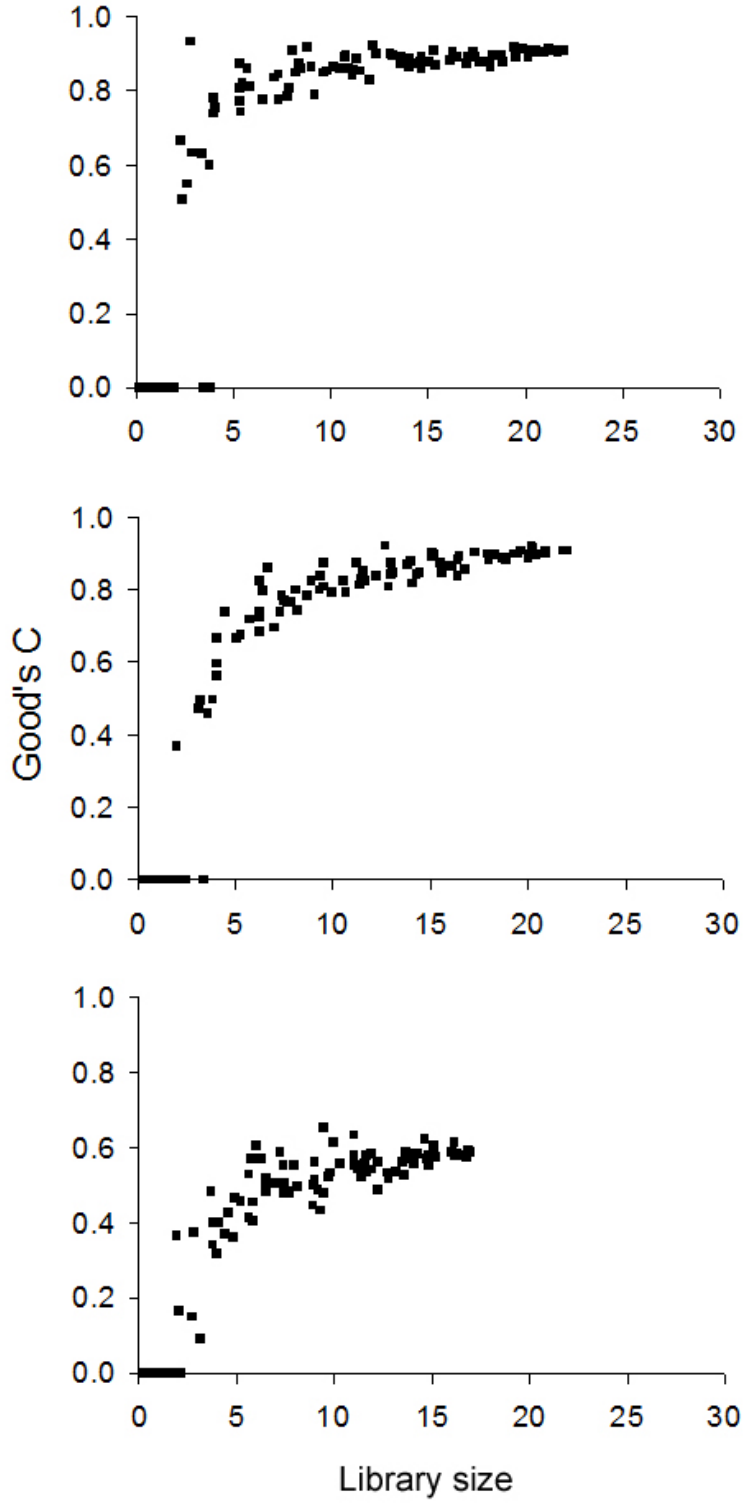

Fig. S1. Clone library coverage based on Good's C estimator of the eukaryotic 18S rDNA clone libraries from the water containers. The ratio observed phylotypes: predicted phylotypes (S_{Chao1}) was 0.7 in autumn, 0.87 in winter and 0.47 in spring.

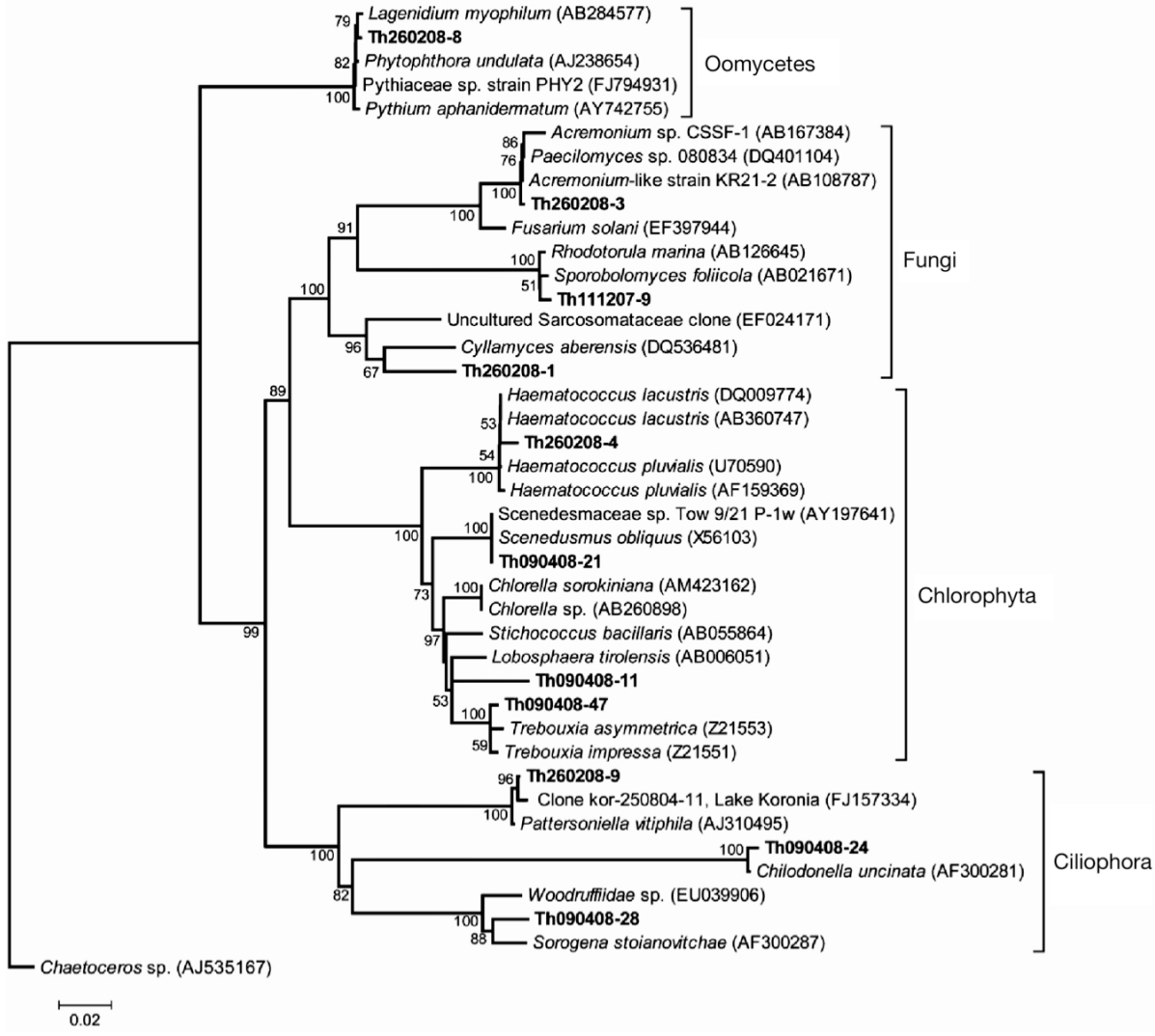

Fig. S2. Phylogenetic tree of relationships of 18S rDNA (ca. 1600 bp) of the representative unique (grouped on ≥98% similarity) eukaryotic clones (in bold) found in the tap water containers, based on the neighbour-joining method as determined by distance Jukes–Cantor analysis. One thousand bootstrap analyses (distance) were conducted. GenBank numbers are shown in parentheses. Scale bar represents 2% estimated.

Table S1. Daily meteorological data in the city of Thessaloniki during the sampling periods of the study

	Air temperature (°C)			Rainfall (mm)			Sunshine (min)			RH (%)			Wind speed (m s^{-1})		
	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean
Autumn 2007	7.1	17.1	11.9	0	18.3	1.9	0	494.5	203.4	33.2	90.5	70.7	0.9	5.5	2.0
Winter 2007–8	–0.7	13.5	7.6	0	17.8	0.7	0	555.7	277.6	24.5	88.7	63.4	0.8	7.7	2.1
Spring 2008	8.5	16.9	13.0	0	34.7	1.9	0	663.7	363.7	36.8	91.0	66.8	1.2	3.6	1.8

Table S2. List of microeukaryotes found in Thermaikos Bay from October 2007 to April 2008

Bacillariophyceae
Amphiprora sp.
Asterionellopsis glacialis
Azpeitia cf. *africana*
Azpeitia nodulifera
Bacteriastrum cf. *comosum*
Chaetoceros aequatorialis
Chaetoceros affinis
Chaetoceros compressus
Chaetoceros cf. *constrictus*
Chaetoceros cf. *costatus*
Chaetoceros cf. *curvisetus*
Chaetoceros danicus
Chaetoceros cf. *decipiens*
Chaetoceros gracilis
Chaetoceros minimus
Chaetoceros cf. *mitra*
Chaetoceros neglectus
Chaetoceros peruvianus
Chaetoceros cf. *pseudocurvisetus*
Chaetoceros simplex
Chaetoceros cf. *teres*
Chaetoceros cf. *tortissimus*
Chaetoceros wighamii
Chaetoceros spp.
Pseudonitzschia sp.
Pseudosolenia calcar-avis
Rhizosolenia cf. *acicularis*
Rhizosolenia hebetata
Rhizosolenia cf. *imbricata*
Rhizosolenia sp.
Roperia tesselata
Striatella unipunctata
Skeletonema costatum
Surirella ovata
Thalassionema bacillare
Thalassionema javanicum
Thalassionema cf. *nitzschioides*
Thalassiosira cf. *allenii*
Thalassiosira cf. *antarctica*
Thalassiosira eccentrica
Thalassiosira sp.

Chlorophyceae
Chlamydomonas cf. *coccoides*
Chlamydomonas cf. *quadrilobata*
Chlamydomonas sp.
Dunaliella salina
Pyramichlamys vectensis

Gymnodinium sp.
Gyrodinium estuariale
Gyrodinium cf. *lachryma*
Katodinium cf. *glaucum*
Noctiluca scintillans
Oxyphysis oxytoxoides
Peridinium diabolus
Peridinium cf. *oceanicum*
Peridinium cf. *pussilum*
Peridinium sp.
Podolampas palmipes
Podolampas sp.
Prorocentrum gracile
Prorocentrum cf. *minimum*
Prorocentrum cf. *scutellum*
Protoperidinium cf. *conicum*
Protoperidinium oceanicum
Protoperidinium cf. *pallidum*
Protoperidinium pellucidum
Protoperidinium sp.
Scrippsiella trochoidea

Euglenophyceae
Euglena sp.
Eutreptia cf. *viridis*

Cyclotella sp.
Cylindrotheca closterium
Dactyliosolen fragilissimus
Diatoma sp.
Eucampia antarctica
Eucampia zodiacus
Fragilariopsis cf. *cylindrus*
Fragilariopsis cf. *kerguelensis*
Fragilaria sp.
Grammatophora oceanica
Guinardia delicatula
Guinardia striata
Haslea trompii
Hemiaulus hauckii
Hemiaulus cf. *indicus*
Leptocylindrus danicus
Leptocylindrus mediterraneus
Leptocylindrus minimus
Licmophora sp.
Minidiscus cf. *comicus*
Navicula directa
Navicula septentrionalis
Nitzschia longissima
Nitzschia sicula
Nitzschia spp.
Odontella mobiliensis
Pleurosigma directum
Pleurosigma normanii
Proboscia alata
Pseudoguinardia recta
Pseudonitzschia cf. *fraudulenta*
Pseudonitzschia cf. *seriata*

Chrysophyceae
Apedinella spinifera
Dinobryon balticum
Dinobryon sp.

Coccolithophorids
Calyptrosphaera sphaeroidea

Cryptophyceae
Hilea fusiformis

Dictyochophyceae
Dictyocha fibula
Dictyocha octonaria
Dictyocha staurodon
Meringosphaera tenerrima
Meringosphaera mediterranea

Dinophyceae
Alexandrium sp.
Centrodinium sp.
Ceratium furca
Ceratium fusus
Ceratium kofoidii
Ceratium trichoceros
Dinophysis acuminata
Dinophysis caudata
Dinophysis dens
Diplopsalis sp.
Glenodinium sp.
Gonyaulax catenata

Eutreptia sp.
Eutreptiella marina
Eutreptiella sp.

Prasinophyceae
Pyramimonas cf. *grossii*
Tetraselmis gracile
Tetraselmis wettsteinii

Prymnesiophyceae
Chrysochromulina cf. *alifera*
Chrysochromulina cf. *camella*
Chrysochromulina hirta
Chrysochromulina cf. *strobilus*
Chrysochromulina sp.
Phaeocystis globosa
Phaeocystis pouchetii
Platychrysis neustophila

Telonemia
Telonema subtilis

Zoomastigina
Bodo sp.
Cafeteria minuta
Metromonas simplex
Monosiga marina
Parvicorbicula socialis
Pseudobodo minimus
Pseudobodo tremulans
Rynchomonas masuta
Salpingoeca inquillata

Table S3. List of microeukaryotes found in the university pool from October 2007 to April 2008

Bacillariophyceae
Fragilaria cf. *capucina*
Melosira sp.
Navicula sp.
Nitzschia sp.
Chlorophyceae
Monoraphidium griffithii
Monoraphidium mirabile
Oocystis sp.
Pediastrum simplex
Scenedesmus cf. *obliquus*
Scenedesmus spp.
Zygnema sp.
Cryptophyceae
Cryptomonas sp.
Dinophyceae
Peridinium sp.
Euglenophyceae
Euglena sp.

Table S4. List of microeukaryotes found in the atmosphere of the city of Thessaloniki from October 2007 to April 2008, using the air sample

Bacillariophyceae
Diatoma sp.
Grammatophora sp.
Licmophora sp.
Nitzschia sp.
Pleurosigma normanii
Surirella cf. *ovalis*
Surirella sp.
Synedra sp.
Chlorophyceae
Chlamydomonas sp.
Chlorella sp.
Haematococcus cysts
Monoraphidium minutum
Pediastrum boryanum
Pediastrum simplex
Scenedesmus cf. *obliquus*
Desmidiaceae
Closterium sp.
Staurastrum sp.
Dinophyceae
Prorocentrum gracile
Dictyochophyceae
Dictyocha fibula
Euglenophyceae
Euglena sp.

Table S5. 18S rRNA gene phylotypes occurring in the water containers in the city of Thessaloniki

Phylotypes	Number of similar clones (≥98%)			Putative affiliation	Closest relative, (% similarity), [GenBank accession no.]
	Autumn 2007	Winter 2007–08	Spring 2008		
Th260208_1	0	2	0	Fungi	Clone T5P1AeD02 (93%) [GQ999369]
Th260208_3	0	2	1	Fungi	*Acremonium*-like hyphomycete (99%) [AB108787]
Th260208_4	1	4	2	Chlorophyta	*Haematococcus lacustris* (99%) [AB360747]
Th260208_8	1	1	0	Oomycetes	*Lagenidium myophilum* (99%) [AB284577]
Th260208_9	18	14	8	Ciliophora	Clone kor_250804_11 (99%) [FJ157334]
Th111207_9	2	0	0	Fungi	*Sporobolomyces foliicola* (99%) [AB021671]
Th090408_11	0	0	1	Chlorophyta	*Lobosphaera tirolensis* (94%) [AB006051]
Th090408_21	0	0	1	Chlorophyta	*Scenedesmus obliquus* (99%) [X56103]
Th090408_24	0	0	1	Ciliophora	*Chilodonella uncinata* (99%) [AF300281]
Th090408_28	0	0	1	Ciliophora	*Sorogena stoianovitchae* (95%) [AF300287]
Th090408_47	0	0	1	Chlorophyta	*Trebouxia impressa* (99%) [Z21551]