## Small-scale temporal and spatial variations in protistan community composition at the San Pedro Ocean Time-series station off the coast of southern California

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**Supplement.** Tables showing the putative identifications of commonly occurring OTUs in the spatial and daily sample, as well as network figures of significant correlations among these commonly occurring OTUs. Spatial variations of chlorophyll *a* concentrations among the 17 stations surrounding and including the SPOT station are also shown.

Table S1. Commonly occurring OTUs (i.e. T-RFLP fragment lengths), their putative IDs, and frequency of occurrence in the samples used to examine small-scale spatial variability in protistan community composition. Putative IDs were assigned based on fragment sizes predicted from an *in silico* T-RFLP analysis of a full-length 18S sequence database from the same locale and the best BLAST+ matches for those sequences (Kim et al. 2012; see 'Materials and methods'). Frequency indicates the percentage of samples in which each OTU was observed

Fragment length (bp)	Putative ID	Phylogenetic classification	Frequency (%)
259	Ostreococcus tauri	Chlorophyte	100
271	Pseudotontonia simplicidens	Ciliate	100
272	Pseudotontonia simplicidens	Ciliate	100
273	Strombidium basimorphum	Ciliate	68
274	Phaeocystis cordata	Haptophyte	79
275	Unspecified ciliate	Ciliate	100
279	Unspecified syndiniales	Dinoflagellate	100
323	Bathycoccus prasinos	Chlorophyte	100
328	Telonema antarcticum	Telonemia	100
331	Telonema antarcticum	Telonemia	84
332	Telonema sp.	Telonemia	63
334	Unspecified dinoflagellate	Dinoflagellate	100
335	Unspecified alveolate	Alveolate	74
337	Heterocapsa sp.	Dinoflagellate	84
338	Pentapharsodinium sp.	Dinoflagellate	100
498	Oikopleura dioica	Metazoan	100
593	Ichthyosporea sp.	Opisthokont	63
595	Ceratium sp.	Dinoflagellate	74
598	Unspecified stramenopile	Stramenopile	58

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Table S2. Commonly occurring OTUs (i.e. T-RFLP fragment lengths), their putative IDs, and frequency of occurrence in the samples used to examine small-scale temporal variability in protistan community composition. Putative IDs were assigned based on fragment sizes predicted from an *in silico* T-RFLP analysis of a full-length 18S sequence database from the same locale and the best BLAST+ matches for those sequences (Kim et al. 2012; see 'Materials and methods'). Frequency indicates the percentage of samples in which each OTU was observed

Fragment length (bp)	Putative ID	Phylogenetic classification	Frequency (%)
179	Unspecified alveolate	Alveolate	58
229	Petapharsodinium tyrrehincum	Dinoflagellate	67
259	Ostreococcus tauri	Chlorophyte	100
271	Pseudotontonia simplicidens	Ciliate	100
272	Pseudotontonia simplicidens	Ciliate	100
273	Strombidium basimorphum	Ciliate	92
274	Phaeocystis cordata	Haptophyte	58
275	Unspecified ciliate	Ciliate	67
279	Unspecified syndiniales	Dinoflagellate	100
323	Bathycoccus prasinos	Chlorophyte	100
328	Telonema antarcticum	Telonemia	92
332	Telonema sp.	Telonemia	58
334	Unspecified dinoflagellate	Dinoflagellate	100
335	Unspecified alveolate	Alveolate	58
337	Heterocapsa sp.	Dinoflagellate	92
338	Pentapharsodinium sp.	Dinoflagellate	100
483	Oligotrich ciliate	Ciliate	67
498	Oikopleura dioica	Metazoan	92
596	Ebria tripartita	Cercozoa	58
598	Unspecified stramenopile	Stramenopile	75

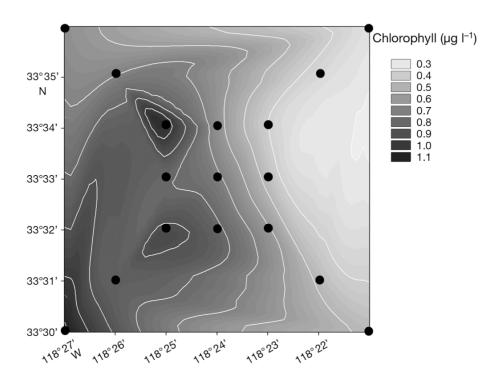


Fig. S1. Contour map of chlorophyll a concentrations at 17 stations surrounding and including the SPOT station. Black dots indicate station positions (see Fig. 1 for station identities). Contour lines have been drawn at the border between the concentrations shown in the legend

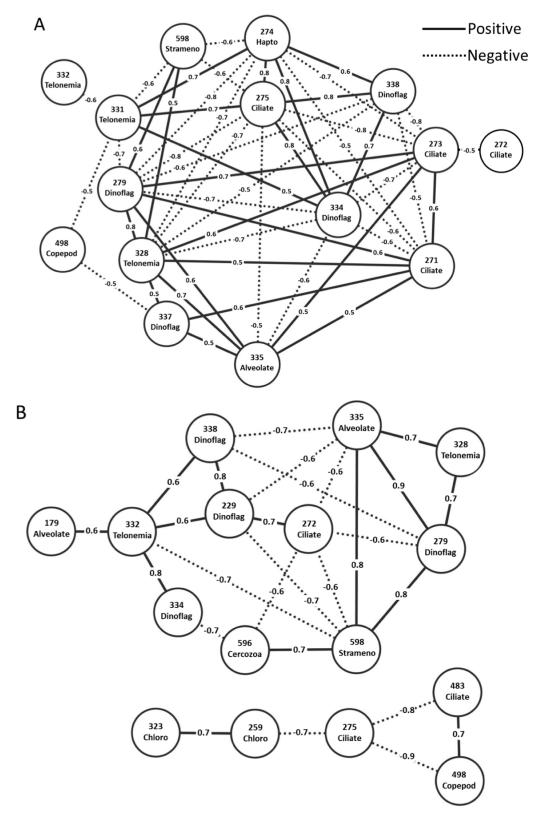


Fig. S2. Networks of significant Spearman's correlations among commonly occurring OTUs with putative IDs in the (A) spatial and (B) daily samples (p < 0.05). The numbers in the circle represent the fragment length of the OTU, below which is the putative ID. 'Chloro': chlorophyte; 'Dinoflag': dinoflagellate; 'Hapto': haptophyte; and 'Strameno': stramenopile. The number on the lines connecting the OTU indicates the  $\rho$  value of Spearman's correlation