

Data type	Latitude (N)	Longitude (W)	Station	Depth (m)	Size fraction (µm)	Number of reads
454-FLX sequenced metagenome samples [n=12, Cruise CN207, 2007]	33.33	-129.43	67.155	81	0.1-0.8	605798
	33.33	-129.43	67.155	81	0.8-3	302166
	33.33	-129.43	67.155	81	3-20	516556
	33.33	-129.43	67.155	5	0.1-0.8	403975
	33.33	-129.43	67.155	5	0.8-3	307877
	33.33	-129.43	67.155	5	3-20	343412
	36.74	-122.02	67.70	5	0.1-0.8	529881
	36.74	-122.02	67.70	5	0.8-3	445940
	36.74	-122.02	67.70	5	3-20	363003
	36.13	-123.49	H3	10	0.1-0.8	433089
	36.13	-123.49	H3	10	0.8-3	524390
	36.13	-123.49	H3	10	3-20	472893
	Sanger sequenced MGII 16S rRNA gene clone libraries [n=12, Cruise CN207, 2007]	33.33	-129.43	67.155	81	0.1-0.8
33.33		-129.43	67.155	81	0.8-3	218
33.33		-129.43	67.155	81	3-20	109
33.33		-129.43	67.155	5	0.1-0.8	208
33.33		-129.43	67.155	5	0.8-3	116
33.33		-129.43	67.155	5	3-20	127
36.74		-122.02	67.70	5	0.1-0.8	20
36.74		-122.02	67.70	5	0.8-3	59
36.74		-122.02	67.70	5	3-20	123
36.13		-123.49	H3	10	0.1-0.8	89
36.13		-123.49	H3	10	0.8-3	119
36.13		-123.49	H3	10	3-20	109
MGII qPCR samples [n=60, Cruise CO912, 2012]		36.79	-121.84	C1	20	0.2 - 0.8, 0.8 - 3, 3-10, >10
	36.79	-121.84	C1	40	0.2 - 0.8, 0.8 - 3, 3-10, >10	N/A
	36.13	-123.49	H3	5	0.2 - 0.8, 0.8 - 3, 3-10, >10	N/A
	36.13	-123.49	H3	20	0.2 - 0.8, 0.8 - 3, 3-10, >10	N/A
	36.13	-123.49	H3	30	0.2 - 0.8, 0.8 - 3, 3-10, >10	N/A
	36.45	-122.77	67.60	5	0.2 - 0.8, 0.8 - 3, 3-10, >10	N/A
	36.45	-122.77	67.60	20	0.2 - 0.8, 0.8 - 3, 3-10, >10	N/A
	36.45	-122.77	67.60	30	0.2 - 0.8, 0.8 - 3, 3-10, >10	N/A
	36.45	-122.77	67.60	40	0.2 - 0.8, 0.8 - 3, 3-10, >10	N/A
	36.74	-122.02	67.70	5	0.2 - 0.8, 0.8 - 3, 3-10, >10	N/A
	36.74	-122.02	67.70	20	0.2 - 0.8, 0.8 - 3, >3	N/A
	36.74	-122.02	67.70	30	0.2 - 0.8, 0.8 - 3, >3	N/A
	36.74	-122.02	67.70	40	0.2 - 0.8, 0.8 - 3, >3	N/A
	35.79	-124.19	67.80	5	0.2 - 0.8, 0.8 - 3, >3	N/A
	35.79	-124.19	67.80	30	0.2 - 0.8, 0.8 - 3, >3	N/A
	35.79	-124.19	67.80	40	0.2 - 0.8, 0.8 - 3, >3	N/A
	35.45	-124.91	67.90	5	0.2 - 0.8, 0.8 - 3, >3	N/A
35.45	-124.91	67.90	30	0.2 - 0.8, 0.8 - 3, >3	N/A	
35.45	-124.91	67.90	40	0.2 - 0.8, 0.8 - 3, >3	N/A	
Samples for Illumina (MiSeq) sequencing of MGII V4 16S rRNA genes [n=43, Cruise CO912, 2012]	36.45	-122.77	67.60	10	0.2-10	84842
	36.45	-122.77	67.60	10	0.2-10	86445
	36.45	-122.77	67.60	15	0.2-10	78869
	36.45	-122.77	67.60	15	0.2-10	113905
	36.45	-122.77	67.60	20	0.2-10	77855
	36.45	-122.77	67.60	20	0.2-10	133932
	36.45	-122.77	67.60	30	0.2-10	147414
	36.45	-122.77	67.60	35	0.2-10	100281
	36.45	-122.77	67.60	35	0.2-10	145414
	36.45	-122.77	67.60	50	0.2-10	94201
	36.45	-122.77	67.60	50	0.2-10	69114
	36.45	-122.77	67.60	80	0.2-10	98148
	36.45	-122.77	67.60	80	0.2-10	87908
	36.36	-122.46	67.60	10	0.2-10	64069
	36.36	-122.46	67.60	15	0.2-10	159560
	36.36	-122.46	67.60	20	0.2-10	77037
	36.36	-122.46	67.60	35	0.2-10	57494
	36.36	-122.46	67.60	50	0.2-10	66187
	36.36	-122.46	67.60	80	0.2-10	69455
	36.28	-122.34	67.60	10	0.2-10	74632
	36.28	-122.34	67.60	15	0.2-10	85596
	36.28	-122.34	67.60	20	0.2-10	180384
	36.28	-122.34	67.60	35	0.2-10	82383
	36.28	-122.34	67.60	50	0.2-10	75778
	36.28	-122.34	67.60	80	0.2-10	62125
	36.26	-122.33	67.60	10	0.2-10	164498
	36.26	-122.33	67.60	15	0.2-10	173544
	36.26	-122.33	67.60	20	0.2-10	75741
	36.26	-122.33	67.60	35	0.2-10	61506
	36.26	-122.33	67.60	50	0.2-10	76657
	36.26	-122.33	67.60	80	0.2-10	78602
	35.79	-122.31	67.60	10	0.2-10	180726
	35.79	-122.31	67.60	15	0.2-10	175554
35.79	-122.31	67.60	20	0.2-10	62383	
35.79	-122.31	67.60	35	0.2-10	73719	
35.79	-122.31	67.60	50	0.2-10	62827	
35.79	-122.31	67.60	80	0.2-10	75327	
36.24	-122.21	67.60	10	0.2-10	63357	
36.24	-122.21	67.60	15	0.2-10	72933	
36.24	-122.21	67.60	20	0.2-10	63269	
36.24	-122.21	67.60	35	0.2-10	72074	
36.24	-122.21	67.60	50	0.2-10	79712	
36.24	-122.21	67.60	80	0.2-10	138266	
Flow cytometric sorting, WGA, and MGII 16S screens of lysotracker stained [n = 6] and chlorophyll containing [n = 19] eukaryotic populations [Cruise CO912, 2012]	36.45	-122.77	67.60	5	~1-15	8 (18S rRNA clones)
	36.45	-122.77	67.60	80	~1-15	N/A
	35.45	-124.91	67.90	40	~1-15	8 (18S rRNA clones)
	36.28	-122.34	67.60	20	~1-15	N/A
Bottle experiments with phytoplankton enrichments for MGII growth/qPCR [n=2, Cruise CO912, 2012]	36.28	-122.34	67.60	10	0.2 - 0.8, 0.8 - 3, 3-10	N/A
CARD-FISH [n=1, Cruise CN131D, 2013]	36.74	-122.02	67.70	20	> 0.2 µm	N/A