

Supplementary Table S2. Site-level diversity statistics for either all eukaryotes, or metazoans only, in each sample type. Included are Amplicon Sequence Variants before (ASVs) and after (ASV_{Srare}) rarefaction to the lowest sample size (30,443 reads). H = Shannon-Weaver diversity. PD = Faith's phylogenetic diversity.

Site, Year	Sample type	Group	ASVs	ASV _{Srare}	H	H _{rare}	PD	PD _{rare}
PAL 01, 2015	Sediment (100-500 µm)	All Eukaryotes	429	424	5.03	5.02	54.68	54.3
		Metazoans	354	344	4.85	4.82	34.21	33.25
	Sediment (500 µm-2 mm)	All Eukaryotes	176	175	2.91	2.91	28.33	28.26
		Metazoans	147	136	2.8	2.81	19.8	18.86
	Sessile	All Eukaryotes	324	315	3.57	3.55	42.38	41.34
		Metazoans	188	175	2.68	2.65	21.06	19.27
PAL 17, 2015	Sediment (100-500 µm)	All Eukaryotes	333	321	2.3	2.31	47.09	44.97
		Metazoans	255	229	2.07	2.08	27.56	24.57
	Sediment (500 µm-2 mm)	All Eukaryotes	168	155	0.81	0.81	34.67	32.19
		Metazoans	126	94	0.66	0.64	18.4	14.82
	Sessile	All Eukaryotes	283	275	3.28	3.29	35.48	34.37
		Metazoans	178	160	2.78	2.75	18.27	16.47
PAL 19, 2015	Sediment (100-500 µm)	All Eukaryotes	407	397	4.5	4.51	51.75	48.62
		Metazoans	326	307	4.25	4.25	30.88	29.19
	Sediment (500 µm-2 mm)	All Eukaryotes	221	216	3.4	3.38	33.44	32.71
		Metazoans	178	167	3.16	3.16	21.23	19.77
	Sessile	All Eukaryotes	277	272	3.17	3.17	32.82	31.74
PAL 04, 2012	Water	All Eukaryotes	683	649	4.26	4.22	101.69	94.84
		Metazoans	118	117	3.61	3.6	14.43	14.3
PAL 05, 2012	Water	All Eukaryotes	586	567	4.33	4.33	79.82	71.3
		Metazoans	85	84	2.56	2.57	13.15	12.75
PAL 06, 2012	Water	All Eukaryotes	646	632	4.36	4.34	90.28	87.47
		Metazoans	66	61	2.04	2.04	10.13	9.33
PAL 10, 2012	Water	All Eukaryotes	778	766	4.77	4.77	85.05	83.69
		Metazoans	88	88	1.99	1.98	8.5	8.5
PAL 12, 2012	Water	All Eukaryotes	624	597	3.67	3.64	82.4	77.9
		Metazoans	76	73	1.34	1.32	10.37	9.46
PAL 19, 2012	Water	All Eukaryotes	822	806	5.22	5.21	99.06	95.82
		Metazoans	107	104	2.52	2.5	14.41	13.7
PAL 25, 2012	Water	All Eukaryotes	811	785	5.25	5.23	94.77	88.95
		Metazoans	78	76	2.36	2.36	8.59	8.5

