

Table S1. OTUs whose abundance exceeded 1 % but less than 10 % in single gut samples.

OTU	Phylum	Class	Species	Sample ID ¹
OTU_2405	Arthropoda	Maxillopoda	<i>Acartia pacifica</i>	Sc3
OTU_2067	Annelida	Polychaeta	<i>Spio</i> sp. LK-2011-1	Sc3
OTU_72	Chlorophyta	Unidentified	<i>Chlorophyta</i> sp.CCMP1220	Sc4
OTU_37	Streptophyta	Unidentified	<i>Lactuca sativa</i>	Sc4
OTU_740	Phaeophyceae	Unidentified	<i>Lobophora variegata</i>	Sc5
OTU_530	Apicomplexa	Unidentified	<i>Gregarinasina</i> gen. sp. 4 KCW-2013	Sc5
OUT_2919	Diatomea	Bacillariophyceae	<i>Psammodyctyon constrictum</i>	Sc1
				Sc3
				Sc4
				Ha3
				Ha4
OTU_36	Chlorophyta	Ulvophyceae	<i>Parvocaulis parvulus</i>	Ha5
				Sc1
				Ha3
OTU_316	Eukaryota	Dinophyceae	<i>Symbiodinium</i> sp. Strain Kenting E	Ha4
				Sc5
OTU_2238	Apicomplexa	<i>Gregarinasina</i>	<i>Gregarinidae</i> sp. from <i>Phyllochaetopterus</i> <i>prolifera</i> SR-2009a	Ha5
				Sc5
				Ha2
				Ha3
OTU_1443	Eukaryota	Dinophyceae	<i>Symbiodinium</i> sp.	Ha5
				Sc1
				Sc2
				Sc3
				Sc4
				Sc5
				Ha1
				Ha2
OTU_73	Eukaryota	Unidentified	<i>Chromerida</i> sp. RM11	Ha3
				Ha5
				Sc1
				Sc2
				Sc4
				Sc5
OTU_1048	Eukaryota	Dinophyceae	<i>Symbiodinium</i> sp. Clade C	Ha2
				Ha3
				Ha4
				Ha5
				Sc1
				Sc3
OTU_909	Chlorophyta	Unidentified	<i>Prasinophyte</i> sp. RCC856	Sc4
				Sc5

				Sc4
				Ha1
OTU_2765	Eukaryota	Unidentified	<i>Karlodinium veneficum</i>	Ha3
				Ha5
OTU_89	Apicomplexa	Gregarinasina	<i>Selenidium pendula</i>	Ha1
OTU_85	Arthropoda	Arachnida	<i>Rhombognathus levigatoides</i>	Ha5
				Sm1
OTU_790	Eukaryota	Dinophyceae	<i>Amphidinium</i> sp. FA1- CMSTAC022	Sm2
				Sm5
				Ha3
				Sm3
OTU_1970	Phaeophyceae	Unidentified	<i>Sphacelaria</i> sp. UTEX LB 800	Sc2
				Sc5
				Ha1
OTU_74	Eukaryota	Dinophyceae	<i>Amphidinium</i> sp. D1- CMSTAC020	Sm1
				Sm5
OTU_102	Eukaryota	Dinophyceae	<i>Amphidinium</i> sp. FC2- CMSTAC023	Sm1
OTU_2568	Arthropoda	Ostracoda	<i>Hemicytherura kajiymai</i>	Sm1
				Sm3
OTU_75	Apicomplexa	Gregarinasina	<i>Lankesteria cystodytae</i>	Sm3
OTU_110	Mollusca	Gastropoda	<i>Clypeomorus brevis</i>	Sm3
OTU_2305	Arthropoda	Maxillopoda	<i>Scambicornus</i> sp. New Caledonia-RJH-2004	Sm3
OTU_6	Arthropoda	Ostracoda	<i>Loxocorniculum mutsuense</i>	Sm3

1: Sm (*S. monotuberculatus*), Sc (*S. chloronotus*), Ha (*H. atra*)