

Table 2. GenBank accession number and names of genes obtained from random sequencing of SL-based cDNA libraries

Gene Symbol	GenBank Accession No.	Encoded protein*
<i>Alexandrium fundyense</i> (strain GT-CA28)		
Afund-5p-cDNA1	EF133854	Fructose-1,6-biphosphatase
Afund-5p-cDNA2	EF133855	Type-1 serine/threonine phosphatase
Afund-5p-cDNA3	EF133856	N-acetylneuraminic acid phosphate synthase
Afund-5p-cDNA4	EF133857	Glyceraldehyde-3-phosphate dehydrogenase
Afund-5p-cDNA5	EF133858	Endopeptidase
Afund-5p-cDNA6	EF133859	Endo-1,3;1,4-beta-glucanase
Afund-5p-cDNA7	EF133860	Protein disulfide-isomerase
Afund-5p-cDNA8	EF133861	Protein disulfide isomerase
Afund-5p-cDNA9	EF133862	40S ribosomal protein S8
Afund-5p-cDNA10	EF133863	ADP-ribosylation factor
Afund-5p-cDNA11	EF133864	Ribosomal protein L35
Afund-5p-cDNA12	EF133865	ADP ribosylation factor 1
Afund-5p-cDNA13	EF133866	DNA-directed RNA polymerase
Afund-5p-cDNA14	EF133867	Dynein light chain 8-like E
Afund-5p-cDNA15	EF133868	Cyclophilin
Afund-5p-cDNA16	EF133869	Actin
Afund-5p-cDNA17	EF133870	Heat shock protein 90
Afund-5p-cDNA18	EF133871	Plastid oxygen-evolving enhancer 1-2 precursor
Afund-5p-cDNA19	EF133872	Histone-like protein
Afund-5p-cDNA20	EF133873	Calmodulin
Afund-5p-cDNA21a	EF133874	DNA damage checkpoint protein
Afund-5p-cDNA21b	EF133875	DNA damage checkpoint protein
Afund-5p-cDNA21c	EF133876	DNA damage checkpoint protein
Afund-5p-cDNA21d	EF133877	DNA damage checkpoint protein
Afund-5p-cDNA21e	EF133878	DNA damage checkpoint protein
A_fun-ferr	EF134003	Chloroplast ferredoxin
Afund-5p-cDNA22	EF133879	Conserved hypothetical protein 1
Afund-5p-cDNA23	EF133880	Conserved hypothetical protein 2
Afund-5p-cDNA24	EF133881	Conserved hypothetical protein 3

Gene Symbol	GenBank Accession No.	Encoded protein*
Afund-5p-cDNA25	EF133882	Conserved hypothetical protein 4
Afund-5p-cDNA26	EF133883	Conserved hypothetical protein 5
Afund-5p-cDNA27a	EF133884	Unknown protein 1
Afund-5p-cDNA27b	EF133885	Unknown protein 1
Afund-5p-cDNA27c	EF133886	Unknown protein 1
Afund-5p-cDNA27d	EF133887	Unknown protein 1
Afund-5p-cDNA27e	EF133888	Unknown protein 1
Afund-5p-cDNA27f	EF133889	Unknown protein 1
Afund-5p-cDNA27g	EF133890	Unknown protein 1
Afund-5p-cDNA28a	EF133891	Unknown protein 2
Afund-5p-cDNA28b	EF133892	Unknown protein 2
Afund-5p-cDNA29	EF133893	Unknown protein 3
Afund-5p-cDNA30	EF133894	Unknown protein 4
Afund-5p-cDNA31	EF133895	Unknown protein 5
Afund-5p-cDNA32	EF133896	Unknown protein 6
Afund-5p-cDNA33	EF133897	Unknown protein 7
Afund-5p-cDNA34	EF133898	Unknown protein 8
Afund-5p-cDNA35	EF133899	Unknown protein 9
Afund-5p-cDNA36	EF133900	Unknown protein 10
Afund-5p-cDNA37	EF133901	Unknown protein 11
Afund-5p-cDNA38	EF133902	Unknown protein 12
Afund-5p-cDNA39	EF133903	Unknown protein 13
Afund-5p-cDNA40	EF133904	Unknown protein 14
Afund-5p-cDNA41	EF133905	Unknown protein 15
<i>Amphidinium carterae</i> (strain CCMP121)		
Aca-cDNA1	EF133961	cDNA for eIF-1A
Aca-cDNA2-1	EF133962	Solute carrier family 35
Aca-cDNA2-2	EF133963	Solute carrier family 35
Aca-cDNA3-1	EF133964	60S ribosomal protein L26
Aca-cDNA3-2	EF133965	60S ribosomal protein L26
Aca-cDNA3-3	EF133966	60S ribosomal protein L26
Aca-cDNA3-4	EF133967	60S ribosomal protein L26
Aca-cDNA4-1	EF133968	Unknown protein 1

Gene Symbol	GenBank Accession No.	Encoded protein*
Aca-cDNA4-2	EF133969	Unknown protein 1
Aca-cDNA4-3	EF133970	Unknown protein 1
Aca-cDNA5-1	EF133971	Unknown protein 2
Aca-cDNA5-2	EF133972	Unknown protein 2
Aca-cDNA5-3	EF133973	Unknown protein 2
Aca-cDNA5-4	EF133974	Unknown protein 2
Aca-cDNA5-5	EF133975	Unknown protein 2
Aca-cDNA6	EF133976	Unknown protein 3
Aca-cDNA7	EF133977	Unknown protein 4
Aca-cDNA8	EF133978	Unknown protein 5
Aca-cDNA9-1	EF133979	Unknown protein 6
Aca-cDNA9-2	EF133980	Unknown protein 6
Aca-cDNA9-3	EF133981	Unknown protein 6
Aca-cDNA9-4	EF133982	Unknown protein 6
Aca-cDNA9-5	EF133983	Unknown protein 6
Aca-cDNA9-6	EF133984	Unknown protein 6
Aca-cDNA9-7	EF133985	Unknown protein 6
Aca-cDNA10-1	EF133986	Unknown protein 7
Aca-cDNA10-2	EF133987	Unknown protein 7
Aca-cDNA11	EF133988	Unknown protein 8
Aca-cDNA12-1	EF133989	Unknown protein 9
Aca-cDNA12-2	EF133990	Unknown protein 9
Aca-cDNA13	EF133991	Unknown protein 10
Aca-cDNA14	EF133992	Unknown protein 11
Aca-cDNA15-1	EF133993	Unknown protein 12
Aca-cDNA15-4	EF133994	Unknown protein 12
Aca-cDNA15-2	EF133995	Unknown protein 12
Aca-cDNA15-3	EF133996	Unknown protein 12
Aca-cDNA16	EF133997	Unknown protein 13
Aca-cDNA17-1	EF133998	Unknown protein 14
Aca-cDNA17-2	EF133999	Unknown protein 14
Aca-cDNA17-3	EF134000	Unknown protein 14
Aca-cDNA17-4	EF134001	Unknown protein 15
Aca-cDNA17-5	EF134002	Unknown protein 15

Gene Symbol	GenBank Accession No.	Encoded protein*
<i>Karlodinium micrum</i> (strain CCMP1975)		
Kmi-5p-cDNA1	DQ884432	Chlorophyll a-b binding protein
Kmi-5p-cDNA2	DQ884433	Heat shock protein 90
Kmi-5p-cDNA3	DQ884434	40S ribosomal protein S6
Kmi-5p-cDNA4	DQ884435	Camp-dependent protein kinase
Kmi-5p-cDNA5	DQ884436	Cyclophilin
Kmi-5p-cDNA6	DQ884437	Isomerase
Kmi-5p-cDNA7	DQ884438	Isomerase
Kmi-5p-cDNA8	DQ884439	Isomerase
Kmi-5p-cDNA9	DQ884440	Major basic nucleic protein
Kmi-5p-cDNA10	DQ884441	Major basic nucleic protein
Kmi-5p-cDNA11	DQ884442	Major basic nucleic protein
Kmi-5p-cDNA12	DQ884443	Major basic nucleic protein
Kmi-5p-cDNA13	DQ884444	Major basic nucleic protein
Kmi-5p-cDNA14	DQ884445	Major basic nucleic protein
Kmi-5p-cDNA15	DQ884446	Major basic nucleic protein
Kmi-5p-cDNA16	DQ884447	Major basic nucleic protein
Kmi-5p-cDNA17	DQ884448	Calmodulin-like
Kmi-5p-cDNA18	DQ884449	Calmodulin
Kmi-5p-cDNA19	DQ884450	Calmodulin
Kmi-5p-cDNA20	DQ884451	Calmodulin
Kmi-5p-cDNA21	DQ867053	Chloroplast plastocyanin
Kmi-5p-cDNA22	DQ867054	Weak similarity to nuclear calmodulin-binding protein
Kmi-5p-cDNA23	DQ867055	Enoyl-coa hydratase/carnithine racemase
Kmi-5p-cDNA24	DQ867056	Actin
Kmi-5p-cDNA25	DQ867057	ATP synthase F0, subunit C
Kmi-5p-cDNA26	DQ867058	Plastocyanin
Kmi-5p-cDNA27	DQ867059	Chloroplast light harvesting protein isoform 4
Kmi-5p-cDNA28	DQ867060	Conserved Hypothetical protein
Kmi-5p-cDNA29	DQ867061	Glyceraldehydes-3-phosphate dehydrogenase
Kmi-5p-cDNA30	DQ867062	Small nuclear riboprotein Sm-D1
Kmi-5p-cDNA31	DQ867063	Unknown protein1
Kmi-5p-cDNA32	DQ867064	Unknown protein2

Gene Symbol	GenBank Accession No.	Encoded protein*
Kmi-5p-cDNA33	DQ867065	Unknown protein3
Kmi-5p-cDNA34	DQ867066	Unknown protein4
Kmi-5p-cDNA35	DQ867067	Unknown protein5
Kmi-5p-cDNA36	DQ867068	Unknown protein6
Kmi-5p-cDNA37	DQ867069	Unknown protein7
Kmi-5p-cDNA38	DQ867070	Unknown protein8
Kmi-cDNAN1-1	EF134083	Actin
Kmi-cDNAN1-2	EF134084	Actin
Kmi-cDNAN2	EF134085	Tubulin alpha chain
Kmi-cDNAN3	EF134086	Beta-tubulin
Kmi-cDNAN4	EF134087	Profilin
Kmi-cDNAN5-1	EF134088	Skp1 family protein
Kmi-cDNAN5-2	EF134089	Skp1 family protein
Kmi-cDNAN6-1	EF134090	Light harvesting protein isoform 4; nuclear gene for chloroplast
Kmi-cDNAN6-2	EF134091	Light harvesting protein isoform 4; nuclear gene for chloroplast
Kmi-cDNAN7	EF134092	Light harvesting protein isoform 5-like; nuclear gene for chloroplast
Kmi-cDNAN8	EF134093	Light harvesting protein isoform 6; nuclear gene for chloroplast
Kmi-cDNAN9	EF134094	Light harvesting protein isoform 12; nuclear gene for chloroplast
Kmi-cDNAN10-1	EF134095	Chloroplast ferredoxin, nuclear gene for chloroplast product
Kmi-cDNAN10-2	EF134096	Chloroplast ferredoxin, nuclear gene for chloroplast product
Kmi-cDNAN10-3	EF134097	Chloroplast ferredoxin, nuclear gene for chloroplast product
Kmi-cDNAN10-4	EF134098	Chloroplast ferredoxin, nuclear gene for chloroplast product
Kmi-cDNAN11-1	EF134099	Chloroplast plastocyanin, nuclear gene for chloroplast product
Kmi-cDNAN11-2	EF134100	Chloroplast plastocyanin, nuclear gene for chloroplast product
Kmi-cDNAN12	EF134101	Chloroplast O-acetyl-serine lyase, nuclear gene for chloroplast product
Kmi-cDNAN13-1	EF134102	Major basic nuclear protein
Kmi-cDNAN13-2	EF134103	Major basic nuclear protein
Kmi-cDNAN13-3	EF134104	Major basic nuclear protein

Gene Symbol	GenBank Accession No.	Encoded protein*
Kmi-cDNAN13-4	EF134105	Major basic nuclear protein
Kmi-cDNAN13-5	EF134106	Major basic nuclear protein
Kmi-cDNAN13-6	EF134107	Major basic nuclear protein
Kmi-cDNAN14	EF134108	HMG-box-like protein
Kmi-cDNAN15	EF134109	Small nuclear ribonucleoprotein Sm D1
Kmi-cDNAN16	EF134110	RNA-binding protein (RRM domain)
Kmi-cDNAN17	EF134111	RNA recognition motif (RRM) protein
Kmi-cDNAN18-1	EF134112	Cold shock protein-like
Kmi-cDNAN18-2	EF134113	Cold shock protein-like
Kmi-cDNAN19	EF134114	Hydrogen-transporting ATP synthase
Kmi-cDNAN20-1	EF134115	ATP/ADP translocator
Kmi-cDNAN20-2	EF134116	ATP/ADP translocator
Kmi-cDNAN21	EF134117	Karodinium micrum CCMP1975, atpase subunit 9-like
Kmi-cDNAN22	EF134118	ADP-ribosylation factor
Kmi-cDNAN23	EF134119	Adenylate kinase
Kmi-cDNAN24	EF134120	Short chain dehydrogenase
Kmi-cDNAN25	EF134121	Hydrolase
Kmi-cDNAN26-1	EF134122	Triose-phosphate isomerase
Kmi-cDNAN26-2	EF134123	Triose-phosphate isomerase
Kmi-cDNAN27	EF134124	Thioredoxin-like
Kmi-cDNAN28	EF134125	Tim10/DDP family zinc finger
Kmi-cDNAN29	EF134126	Nonclathrin coat protein-like
Kmi-cDNAN30	EF134127	Lipocalin-like (lipoprotein)
Kmi-cDNAN31	EF134128	Serine/threonine kinase
Kmi-cDNAN32	EF134129	Serine/threonine kinase-like
Kmi-cDNAN33	EF134130	14-3-3-like protein
Kmi-cDNAN34-1	EF134131	Caltractin (centrin)
Kmi-cDNAN34-2	EF134132	Caltractin
Kmi-cDNAN35	EF134133	60S acidic ribosomal protein P2
Kmi-cDNAN36	EF134134	40S ribosomal protein S10
Kmi-cDNAN37	EF134135	Translation elongation factor-like
Kmi-cDNAN38	EF134136	Metallo cofactor biosynthesis protein
Kmi-cDNAN39	EF134137	Peptidyl-prolyl cis-trans isomerase, cyclophilin type
Kmi-cDNAN40	EF134138	Peptidyl-prolyl cis-trans isomerase, cyclophilin-type

Gene Symbol	GenBank Accession No.	Encoded protein*
Kmi-cDNAN41	EF134139	Protein disulfide-isomerase-like protein ehsep2 precursor
Kmi-cDNAN42	EF134140	Tropinone reductase-like
Kmi-cDNAN43	EF134141	Methyltransferase-like
Kmi-cDNAN44	EF134142	Ankyrin-like protein
Kmi-cDNAN45	EF134143	ANK-like
Kmi-cDNAN46	EF134144	LRR_RI, Leucine-rich repeats (lrrs), ribonuclease inhibitor (RI)-like
Kmi-cDNAN47	EF134145	Aspartic proteinase
Kmi-cDNAN48	EF134146	Polyubiquitin (six repeats)
Kmi-cDNAN49-1	EF134147	Conserved hypothetical protein 1
Kmi-cDNAN49-2	EF134148	Conserved hypothetical protein 1
Kmi-cDNAN50	EF134149	Conserved hypothetical protein 2
Kmi-cDNAN51	EF134150	Conserved hypothetical protein 3
Kmi-cDNAN52	EF134151	Conserved hypothetical protein 4
Kmi-cDNAN53	EF134152	Conserved hypothetical protein 5
Kmi-cDNAN54	EF134153	Conserved hypothetical protein 6
Kmi-cDNAN55-1	EF134154	Conserved hypothetical protein 7
Kmi-cDNAN55-2	EF134155	Conserved hypothetical protein 8
Kmi-cDNAN56	EF134156	Unknown protein 9
Kmi-cDNAN57	EF134157	Unknown protein 10
Kmi-cDNAN58	EF134158	Unknown protein 11
Kmi-cDNAN59	EF134159	Unknown protein 12
Kmi-cDNAN60	EF134160	Unknown protein 13
Kmi-cDNAN61	EF134161	Unknown protein 14
Kmi-cDNAN62-1	EF134162	Unknown protein 15
Kmi-cDNAN62-2	EF134163	Unknown protein 15
Kmi-cDNAN63	EF134164	Unknown protein 16
Kmi-cDNAN64	EF134165	Unknown protein 17
Kmi-cDNAN65	EF134166	Unknown protein 18
Kmi-cDNAN66	EF134167	Unknown protein 19
Kmi-cDNAN67-1	EF134168	Unknown protein 20
Kmi-cDNAN67-2	EF134169	Unknown protein 20
Kmi-cDNAN68	EF134170	Unknown protein 21
Kmi-cDNAN69	EF134171	Unknown protein 22

Gene Symbol	GenBank Accession No.	Encoded protein*
Kmi-cDNAN70	EF134172	Unknown protein 23
Kmi-cDNAN71	EF134173	Unknown protein 24
Kmi-cDNAN72	EF134174	Unknown protein 25
Kmi-cDNAN73	EF134175	Unknown protein 26
Kmi-cDNAN74	EF134176	Unknown protein 27
Kmi-cDNAN75	EF134177	Unknown protein 28
Kmi-cDNAN76-1	EF134178	Unknown protein 29
Kmi-cDNAN76-2	EF134179	Unknown protein 29
Kmi-cDNAN77	EF134180	Unknown protein 30
Kmi-cDNAN78	EF134181	Unknown protein 31
Kmi-cDNAN79	EF134182	Unknown protein 32
Kmi-cDNAN80	EF134183	Unknown protein 33
Kmi-cDNAN81	EF134184	Unknown protein 34
Kmi-cDNAN82	EF134185	Unknown protein 35
Kmi-cDNAN83	EF134186	Unknown protein 36
Kmi-cDNAN84	EF134187	Unknown protein 37
Kmi-cDNAN85-1	EF134188	Unknown protein 38
Kmi-cDNAN85-2	EF134189	Unknown protein 38
Kmi-cDNAN86	EF134190	Unknown protein 39
Kmi-cDNAN87	EF134191	Unknown protein 40
Kmi-cDNAN88	EF134192	Unknown protein 41
Kmi-cDNAN89	EF134193	Unknown protein 42
Kmi-cDNAN90	EF134194	Unknown protein 43
Kmi-cDNAN91	EF134195	Unknown protein 44
Kmi-cDNAN92	EF134196	Unknown protein 45
Kmi-cDNAN93	EF134197	Unknown protein 46
Kmi-cDNAN94	EF134198	Unknown protein 47
Kmi-cDNAN95	EF134199	Unknown protein 48
Kmi-cDNAN96	EF134200	Unknown protein 49
Kmi-cDNAN97	EF134201	Unknown protein 50
Kmi-cDNAN98	EF134202	Unknown protein 51
Kmi-cDNAN99	EF134203	Unknown protein 52
Kmi-cDNAN100	EF134204	Unknown protein 53
Kmi-cDNAN101	EF134205	Unknown protein 54

Gene Symbol	GenBank Accession No.	Encoded protein*
Kmi-cDNAN102	EF134206	Unknown protein 55
Kmi-cDNAN103	EF134207	Unknown protein 56
Kmi-cDNAN104	EF134208	Unknown protein 57
Kmi-cDNAN105	EF134209	Unknown protein 58
<i>Noctiluca scintillans</i> (strain NS3)		
Nsc-cDNA1	EF134210	Membrane transporter protein
Nsc-cDNA2	EF134211	Mitochondrial phosphate carrier protein (Mir1)
Nsc-cDNA3-1	EF134212	Ubiquitin-conjugating enzyme E2-like
Nsc-cDNA3-2	EF134213	Ubiquitin-conjugating enzyme E2-like
Nsc-cDNA3-3	EF134214	Ubiquitin-conjugating enzyme E2-like
Nsc-cDNA3-4	EF134215	Ubiquitin-conjugating enzyme E2-like
Nsc-cDNA4-1	EF134216	Ubiquitin (15 unit)
Nsc-cDNA4-2	EF134217	Ubiquitin (4 units)
Nsc-cDNA5-1	EF134218	Cysteine protease 1
Nsc-cDNA5-2	EF134219	Cysteine protease 1
Nsc-cDNA6	EF134220	Thioredoxin
Nsc-cDNA7	EF134221	Cysteine synthase
Nsc-cDNA8	EF134222	Calmodulin
Nsc-cDNA9	EF134223	Translation initiation factor 5A
Nsc-cDNA10	EF134224	Synaptobrevin like
Nsc-cDNA11	EF134225	Actin
Nsc-cDNA12	EF134226	Myophilin-like protein (two units)
Nsc-cDNA13-1	EF134227	Profilin-like protein
Nsc-cDNA13-2	EF134228	Profilin-like protein
Nsc-cDNA13-3	EF134229	Profilin-like protein
Nsc-cDNA13-4	EF134230	Profilin-like protein
Nsc-cDNA14	EF134231	Histone-like DNA-binding protein
Nsc-cDNA15	EF134232	RNA-binding protein
Nsc-cDNA16	EF134233	Heat shock protein DNAJ homologue pfj4
Nsc-cDNA17	EF134234	Molecular chaperone (dnaj-like)
Nsc-cDNA18	EF134235	Manganese superoxide dismutase-like
Nsc-cDNA19	EF134236	Hydrolases-like
Nsc-cDNA20-1	EF134237	Conserved hypothetical protein 1

Gene Symbol	GenBank Accession No.	Encoded protein*
Nsc-cDNA20-2	EF134238	Conserved hypothetical protein 1
Nsc-cDNA21	EF134239	Conserved hypothetical protein 2
Nsc-cDNA22	EF134240	Conserved hypothetical protein 3
Nsc-cDNA23	EF134241	Conserved hypothetical protein 4
Nsc-cDNA24	EF134242	Conserved hypothetical protein 5
Nsc-cDNA25-1	EF134243	Unknown protein 1
Nsc-cDNA25-2	EF134244	Unknown protein 1
Nsc-cDNA25-3	EF134245	Unknown protein 1
Nsc-cDNA25-4	EF134246	Unknown protein 1
Nsc-cDNA26-1	EF134247	Unknown protein 2
Nsc-cDNA26-2	EF134248	Unknown protein 2
Nsc-cDNA26-3	EF134249	Unknown protein 2
Nsc-cDNA27-1	EF134250	Unknown protein 3
Nsc-cDNA27-2	EF141835	Unknown protein 3
Nsc-cDNA27-3	EF134251	Unknown protein 3
Nsc-cDNA28-1	EF134252	Unknown protein 4
Nsc-cDNA28-2	EF134253	Unknown protein 4
Nsc-cDNA28-3	EF134254	Unknown protein 5
Nsc-cDNA29-1	EF134255	Unknown protein 6
Nsc-cDNA29-2	EF134256	Unknown protein 6
Nsc-cDNA29-3	EF134257	Unknown protein 6
Nsc-cDNA29-4	EF134258	Unknown protein 6
Nsc-cDNA30-1	EF134259	Unknown protein 7
Nsc-cDNA30-2	EF134260	Unknown protein 7
Nsc-cDNA31	EF134261	Unknown protein 8
Nsc-cDNA32	EF134262	Unknown protein 9
Nsc-cDNA33-1	EF134263	Unknown protein 10
Nsc-cDNA33-2	EF134264	Unknown protein 10
Nsc-cDNA33-3	EF134265	Unknown protein 10
Nsc-cDNA34	EF134266	Unknown protein 11
Nsc-cDNA35-1	EF134267	Unknown protein 12
Nsc-cDNA35-2	EF134268	Unknown protein 12
Nsc-cDNA35-3	EF134269	Unknown protein 12
Nsc-cDNA35-4	EF134270	Unknown protein 12

Gene Symbol	GenBank Accession No.	Encoded protein*
Nsc-cDNA36-1	EF134271	Unknown protein 13
Nsc-cDNA36-2	EF134272	Unknown protein 13
Nsc-cDNA37	EF134273	Unknown protein 14
Nsc-cDNA38-1	EF134274	Unknown protein 15
Nsc-cDNA38-2	EF134275	Unknown protein 15
Nsc-cDNA38-3	EF134276	Unknown protein 15
Nsc-cDNA39-1	EF134277	Unknown protein 16
Nsc-cDNA39-2	EF134278	Unknown protein 16
Nsc-cDNA39-3	EF134279	Unknown protein 16
Nsc-cDNA40-1	EF134280	Unknown protein 17
Nsc-cDNA40-2	EF134281	Unknown protein 17
Nsc-cDNA40-3	EF134282	Unknown protein 17
Nsc-cDNA41	EF134283	Unknown protein 18
Nsc-cDNA42	EF134284	Unknown protein 19
Nsc-cDNA43	EF134285	Unknown protein 20
Nsc-cDNA44-1	EF134286	Unknown protein 21
Nsc-cDNA44-2	EF134287	Unknown protein 21
Nsc-cDNA44-3	EF134288	Unknown protein 21
Nsc-cDNA44-4	EF134289	Unknown protein 21
Nsc-cDNA45	EF134290	Unknown protein 22
Nsc-cDNA46	EF134291	Unknown protein 23
Nsc-cDNA47	EF134292	Unknown protein 24
Nsc-cDNA48-1	EF134293	Unknown protein 25
Nsc-cDNA48-2	EF134294	Unknown protein 25
Nsc-cDNA49	EF134295	Unknown protein 26
Nsc-cDNA50	EF134296	Unknown protein 27
Nsc-cDNA51	EF134297	Unknown protein 28
Nsc-cDNA52	EF134298	Unknown protein 29
Nsc-cDNA53-1	EF134299	Unknown protein 30
Nsc-cDNA53-2	EF134300	Unknown protein 30
Nsc-cDNA54	EF134301	Unknown protein 31
Nsc-cDNA55	EF134302	Unknown protein 32
Nsc-cDNA56	EF134303	Unknown protein 33
Nsc-cDNA57	EF134304	Unknown protein 34

Gene Symbol	GenBank Accession No.	Encoded protein*
Nsc-cDNA58	EF134305	Unknown protein 35
Nsc-cDNA59	EF134306	Unknown protein 36
Nsc-cDNA60	EF134307	Unknown protein 37
Nsc-cDNA61	EF134308	Unknown protein 38
<i>Oxyrrhis marina</i> (strain CCMP1795)		
Om-5p-1	EF134309	Rudimentary enhancer
Om-5p-2-1	EF134310	eIF5a
Om-5p-2-2	EF134311	eIF6a
Om-5p-3-1	EF134312	Rhodopsin
Om-5p-3-2	EF134313	Rhodopsin
Om-5p-3-3	EF134314	Rhodopsin
Om-5p-3-4	EF134315	Rhodopsin
Om-5p-3-5	EF134316	Rhodopsin
Om-5p-3-6	EF134317	Rhodopsin
Om-5p-3-7	EF134318	Rhodopsin
Om-5p-4	EF134319	Glutaredoxin-related protein
Om-5p-5-1	EF134320	ADP-ribosylation factor 1
Om-5p-5-2	EF134321	ADP-ribosylation factor-like protein 3
Om-5p-6	EF134322	Cysteine proteinase
Om-5p-7-1	EF134323	60S ribosomal protein L31
Om-5p-7-2	EF134324	60S ribosomal protein L31
Om-5p-8	EF134325	60S ribosomal protein L26
Om-5p-9-1	EF134326	40S ribosomal protein S16
Om-5p-9-2	EF134327	40S ribosomal protein S16
Om-5p-10	EF134328	40S ribosomal protein S28
Om-5p-11	EF134329	40S ribosomal protein S19
Om-5p-12	EF134330	Ribosomal protein L38
Om-5p-13	EF134331	Ribosomal protein l36e
Om-5p-14-1	EF134332	Ribosomal protein L27a
Om-5p-14-2	EF134333	Ribosomal protein l27a
Om-5p-15-1	EF134334	60S ribosomal protein L21
Om-5p-15-2	EF134335	Ribosomal protein L21
Om-5p-15-3	EF134336	Ribosomal protein L21

Gene Symbol	GenBank Accession No.	Encoded protein*
Om-5p-16	EF134337	7883 ribosomal protein L39
Om-5p-17	EF134338	60S ribosomal proteins L8/L2 + 40S ribosomal protein S15
Om-5p-18	EF134339	40S ribosomal protein S15
Om-5p-19	EF134340	Ribosomal protein L23
Om-5p-20	EF134341	Ribosomal protein L37A
Om-5p-21-1	EF134342	Ribosomal protein L30
Om-5p-21-2	EF134343	Ribosomal protein L30
Om-5p-23-1	EF134344	Ribosomal protein s23e
Om-5p-23-2	EF134345	Ribosomal protein s23e
Om-5p-23-3	EF134346	Ribosomal protein s23e
Om-5p-23-4	EF134347	Ribosomal protein s23e
Om-5p-23-5	EF134348	Ribosomal protein s23e
Om-5p-24	EF134349	40S ribosomal protein S17
Om-5p-25	EF134350	40S ribosomal protein S14
Om-5p-26	EF134351	Ribosomal protein l28e
Om-5p-27	EF134352	Ribosomal protein S30
Om-5p-28	EF134353	40S ribosomal protein S5
Om-5p-29	EF134354	Ribosomal protein S20
Om-5p-30	EF134355	40S ribosomal protein S13
Om-5p-31	EF134356	40S ribosomal protein S26
Om-5p-32	EF134357	Ribosomal protein, L17
Om-5p-33	EF134358	40S ribosomal protein S21
Om-5p-34	EF134359	Ribosomal protein L35
Om-5p-35	EF134360	Similar to mouse meiosis expressed gene 1
Om-5p-36	EF134361	Conserved hypothetical protein
Om-5p-37	EF134362	Unknown protein 1
Om-5p-38	EF134363	Unknown protein 2
Om-5p-39	EF134364	Unknown protein 3
Om-5p-40	EF134365	Unknown protein 4
Om-5p-41	EF134366	Unknown protein 5
Om-5p-42	EF134367	Unknown protein 6
Om-5p-43	EF134368	Unknown protein 7
Om-5p-44	EF134369	Unknown protein 8
Om-5p-45	EF134370	Unknown protein 9

Gene Symbol	GenBank Accession No.	Encoded protein*
<i>Pfiesteria piscicida</i> (strain CCMP1831)		
ppi-5p-ppi-1	DQ864761	BTB, Broad-Complex, Tramtrack and Bric a brac
ppi-5p-2-1	DQ864762	Cytochrome c
ppi-5p-2-2	DQ864763	Cytochrome c
ppi-5p-2-3	DQ864764	Cytochrome c
ppi-5p-2-4	DQ864765	Cytochrome c
ppi-5p-2-5	DQ864766	Cytochrome c
ppi-5p-2-6	DQ864767	Cytochrome c
ppi-5p-2-7	DQ864768	Cytochrome c
ppi-5p-2-8	DQ864769	Cytochrome c
ppi-5p-3-1	DQ864770	ADP-ribosylation factor
ppi-5p-3-2	DQ864771	ADP-ribosylation factor
ppi-5p-3-3	DQ864772	ADP-ribosylation factor
ppi-5p-3-4	DQ864773	ADP-ribosylation factor
ppi-5p-3-5	DQ864774	ADP-ribosylation factor
ppi-5p-3-6	DQ864775	ADP-ribosylation factor
ppi-5p-3-7	DQ864776	ADP-ribosylation factor
ppi-5p-3-8	DQ864777	ADP-ribosylation factor
ppi-5p-3-9	DQ864778	ADP-ribosylation factor
ppi-5p-3-10	DQ864779	ADP-ribosylation factor
ppi-5p-3-11	DQ864780	ADP-ribosylation factor
ppi-5p-3-12	DQ864781	ADP-ribosylation factor
ppi-5p-3-13	DQ864782	ADP-ribosylation factor
ppi-5p-3-14	DQ864783	ADP-ribosylation factor
ppi-5p-3-15	DQ864784	ADP-ribosylation factor
ppi-5p-3-16	DQ864785	ADP-ribosylation factor
ppi-5p-3-17	DQ864786	ADP-ribosylation factor
ppi-5p-4-1	DQ864787	Vesicle transport v-SNARE protein
ppi-5p-4-2	DQ864788	Vesicle transport v-SNARE protein
ppi-5p-5	DQ864789	Weak similarity to ubiq
ppi-5p-6-1	DQ864790	Some similarity to SAM, Sterile alpha motif
ppi-5p-6-2	DQ864791	Some similarity to SAM, Sterile alpha motif
ppi-5p-7	DQ864792	Ubiquinol-cytochrome C chaperone

Gene Symbol	GenBank Accession No.	Encoded protein*
ppi-5p-8	DQ864793	MAPEG family
ppi-5p-9-1	DQ864794	Mitochondrial carrier protein
ppi-5p-9-2	DQ864795	Mitochondrial carrier protein
ppi-5p-10-1	DQ864796	RING-finger
ppi-5p-10-2	DQ864797	RING-finger
ppi-5p-11-1	DQ864798	Major basic nuclear protein
ppi-5p-11-2	DQ864799	Major basic nuclear protein
ppi-5p-11-3	DQ864800	Major basic nuclear protein
ppi-5p-11-4	DQ864801	Major basic nuclear protein
ppi-5p-11-5	DQ864802	Major basic nuclear protein
ppi-5p-11-6	DQ864803	Major basic nuclear protein
ppi-5p-11-7	DQ864804	Major basic nuclear protein
ppi-5p-11-8	DQ864805	Major basic nuclear protein
ppi-5p-11-9	DQ864806	Major basic nuclear protein
ppi-5p-11-10	DQ864807	Major basic nuclear protein
ppi-5p-11-11	DQ864808	Major basic nuclear protein
ppi-5p-11-12	DQ864809	Major basic nuclear protein
ppi-5p-11-13	DQ864810	Major basic nuclear protein
ppi-5p-11-14	DQ864811	Major basic nuclear protein
ppi-5p-11-15	DQ864812	Major basic nuclear protein
ppi-5p-11-16	DQ864813	Major basic nuclear protein
ppi-5p-11-17	DQ864814	Major basic nuclear protein
ppi-5p-11-18	DQ864815	Major basic nuclear protein
ppi-5p-11-19	DQ864816	Major basic nuclear protein
ppi-5p-11-20	DQ864817	Major basic nuclear protein
ppi-5p-11-21	DQ864818	Major basic nuclear protein
ppi-5p-11-22	DQ864819	Major basic nuclear protein
ppi-5p-12-1	DQ864820	SCP-2 sterol transfer family
ppi-5p-12-2	DQ864821	SCP-2 sterol transfer family
ppi-5p-13-1	DQ864822	Calmodulin
ppi-5p-13-2	DQ864823	Calmodulin
ppi-5p-13-3	DQ864824	Calmodulin
ppi-5p-13-4	DQ864825	Calmodulin
ppi-5p-13-5	DQ864826	Calmodulin

Gene Symbol	GenBank Accession No.	Encoded protein*
ppi-5p-13-5(2)	EF134388	Calmodulin
ppi-5p-14	DQ864827	60S ribosomal protein I21
ppi-5p-15	DQ864828	60S ribosomal protein L32
ppi-5p-16	DQ864829	Ribosomal protein, 40S subunit S21
ppi-5p-17	DQ864830	40S ribosomal protein S24
ppi-5p-17-2	EF134389	40S ribosomal subunit protein S24
ppi-5p-18	DQ864831	Ribosomal protein L44
ppi-5p-19-1	DQ864832	The eukaryotic smd2-like proteins
ppi-5p-19-2	DQ864833	The eukaryotic smd2-like proteins
ppi-5p-20	DQ864834	Gpma, Phosphoglycerate mutase 1
ppi-5p-21	DQ864835	The eukaryotic smg-like proteins
ppi-5p-22	DQ864836	B-Box C-terminal domain
ppi-5p-23-1	DQ864837	Ubiquinol-cytochrome C reductase hinge protein
ppi-5p-23-2	DQ864838	Ubiquinol-cytochrome C reductase hinge protein
ppi-5p-23-3	EF134390	Ubiquinol-cytochrome c reductase hinge protein
ppi-5p-24	DQ864839	Small nuclear ribonucleoprotein polypeptide G
ppi-5p-25	DQ864840	Single-stranded DNA-binding replication protein A (RPA)
ppi-5p-26	DQ864841	Glyceraldehyde-3-phosphate dehydrogenase
ppi-5p-27-1	DQ864842	Serine/Threonine protein kinases
ppi-5p-27-2	DQ864843	Serine/Threonine protein kinases
ppi-5p-28	DQ864844	Sugar phosphatases of the HAD superfamily
ppi-5p-29	DQ864845	Some similarity to Archaeal atpase
ppi-5p-30	DQ864846	Some similarity to cpfnpa
ppi-5p-31	DQ864847	Some similarity to bacterial conserved hypothetical protein lpg1269
ppi-5p-32-1	DQ864848	Glutaredoxin-like protein
ppi-5p-32-2	DQ864849	Glutaredoxin-like protein
ppi-5p-32-3	DQ864850	Glutaredoxin-like protein
ppi-5p-33	DQ864851	Acyltransferase family
ppi-5p-34-1	DQ864852	Some similarity to Thioredoxins
ppi-5p-34-2	DQ864853	Some similarity to Thioredoxins
ppi-5p-35	DQ864854	ANK, ankyrin repeats
ppi-5p-36-1	DQ864855	TB2/DP1, HVA22 family
ppi-5p-36-2	DQ864856	TB2/DP1, HVA22 family

Gene Symbol	GenBank Accession No.	Encoded protein*
ppi-5p-36-3	DQ864857	TB2/DP1, HVA22 family
ppi-5p-36-4	DQ864858	TB2/DP1, HVA22 family
ppi-5p-37	DQ864859	PCNA
ppi-5p-38	DQ864860	14-3-3
ppi-5p-39	DQ864861	Peptidase family M20/M25/M40
ppi-5p-40	DQ864862	Some similarity to FRQ1
ppi-5p-41-1	DQ864863	Translation elongation factor P (EF-P)
ppi-5p-41-2	DQ864864	Translation elongation factor P (EF-P)
ppi-5p-42	DQ864865	IF4E, Eukaryotic initiation factor 4E
ppi-5p-43	DQ864866	RPT1, ATP-dependent 26S proteasome regulatory subunit
ppi-5p-44-1	DQ864867	Cyclophilin A, B and H-like
ppi-5p-44-2	DQ864868	Cyclophilin A, B and H-like
ppi-5p-44-3	DQ864869	Cyclophilin A, B and H-like
ppi-5p-45	DQ864870	Cyclophilin A, B and H-like
ppi-5p-46	DQ864871	BSD, domain in transcription factors and synapse-associated proteins
ppi-5p-47	DQ864872	Serine/Threonine protein kinases
ppi-5p-48	DQ864873	Serine/Threonine protein kinases
ppi-5p-49	DQ864874	Conserved hypothetical protein 1
ppi-5p-50	DQ864875	Conserved hypothetical protein 2
ppi-5p-51	DQ864876	Conserved hypothetical protein 3
ppi-5p-52-1	DQ864877	Conserved hypothetical protein 4
ppi-5p-52-2	DQ864878	Conserved hypothetical protein 4
ppi-5p-53	DQ864879	Unknown protein 1
ppi-5p-54	DQ864880	Unknown protein 2
ppi-5p-55	DQ864881	Unknown protein 3
ppi-5p-56-1	DQ864882	Unknown protein 4
ppi-5p-56-2	DQ864883	Unknown protein 4
ppi-5p-56-3	DQ864884	Unknown protein 4
ppi-5p-57	DQ864885	Unknown protein 5
ppi-5p-58	DQ864886	Unknown protein 6
ppi-5p-59	DQ864887	Unknown protein 7
ppi-5p-60-1	DQ864888	Unknown protein 8
ppi-5p-60-2	DQ864889	Unknown protein 8

Gene Symbol	GenBank Accession No.	Encoded protein*
ppi-5p-60-3	DQ864890	Unknown protein 8
ppi-5p-60-4	DQ864891	Unknown protein 8
ppi-5p-60-5	DQ864892	Unknown protein 8
ppi-5p-60-6	DQ864893	Unknown protein 8
ppi-5p-60-7	DQ864894	Unknown protein 8
ppi-5p-60-8	DQ864895	Unknown protein 8
ppi-5p-60-9	DQ864896	Unknown protein 8
ppi-5p-60-10	DQ864897	Unknown protein 8
ppi-5p-60-11	DQ864898	Unknown protein 8
ppi-5p-60-12	EF134391	Unknown protein 8
ppi-5p-60-13	EF134392	Unknown protein 8
ppi-5p-60-14	EF134393	Unknown protein 8
ppi-5p-60-15	EF134394	Unknown protein 8
ppi-5p-60-16	EF134395	Unknown protein 8
ppi-5p-60-17	EF134396	Unknown protein 8
ppi-5p-60-18	EF134397	Unknown protein 8
ppi-5p-60-19	EF134398	Unknown protein 8
ppi-5p-60-20	EF134399	Unknown protein 8
ppi-5p-61	DQ864899	Unknown protein 9
ppi-5p-62	DQ864900	Unknown protein 10
ppi-5p-63	DQ864901	Unknown protein 11
ppi-5p-64	DQ864902	Unknown protein 12
ppi-5p-65	DQ864903	Unknown protein 13
ppi-5p-66	DQ864904	Unknown protein 14
ppi-5p-67	DQ864905	Unknown protein 15
ppi-5p-68	DQ864906	Unknown protein 16
ppi-5p-69	DQ864907	Unknown protein 17
ppi-5p-70	DQ864908	Unknown protein 18
ppi-5p-71	DQ864909	Unknown protein 19
ppi-5p-72	DQ864910	Unknown protein 20
ppi-5p-73	DQ864911	Unknown protein 21
ppi-5p-74-1	DQ864912	Unknown protein 22
ppi-5p-74-2	DQ864913	Unknown protein 22
ppi-5p-75	DQ864914	Unknown protein 23

Gene Symbol	GenBank Accession No.	Encoded protein*
ppi-5p-76	DQ864915	Unknown protein 24
ppi-5p-77	DQ864916	Unknown protein 25
ppi-5p-78	DQ864917	Unknown protein 26
ppi-5p-79-1	DQ864918	Unknown protein 27
ppi-5p-79-2	DQ864919	Unknown protein 27
ppi-5p-80	DQ864920	Unknown protein 28
ppi-5p-81	DQ864921	Unknown protein 29
ppi-5p-82	DQ864922	Unknown protein 30
ppi-5p-83	DQ864923	Unknown protein 31
ppi-5p-84-1	DQ864924	Unknown protein 32
ppi-5p-84-2	DQ864925	Unknown protein 32
ppi-5p-85	DQ864926	Unknown protein 33
ppi-5p-86	DQ864927	Unknown protein 34
ppi-5p-87	DQ864928	Unknown protein 35
ppi-5p-88	DQ864929	Unknown protein 36
ppi-5p-89	DQ864930	Unknown protein 37
ppi-5p-90	DQ864931	Unknown protein 38
ppi-5p-91	DQ864932	Unknown protein 39
ppi-5p-92	DQ864933	Unknown protein 40
ppi-5p-93	DQ864934	Unknown protein 41
ppi-5p-94	DQ864935	Unknown protein 42
ppi-5p-95	DQ864936	Unknown protein 43
ppi-5p-96	DQ864937	Acyl coa dehydrogenase protein 1
ppi-5p-97	DQ864938	Heat Shock protein 70
ppi-5p-98	DQ864939	40S ribosomal protein
ppi-5p-99	DQ864940	40S ribosomal protein S5
ppi-5p-100	DQ864941	Microsomal glutathione S-transferase 3
ppi-5p-101-1	DQ864942	PDZ domain
ppi-5p-101-2	DQ864943	PDZ domain
ppi-5p-102	DQ864944	Cytosolic large ribosomal subunit L11
Ppi-5p-103-new1	DQ864945	Unknown protein 44
Ppi-104-new2-1	DQ864946	Unknown protein 45
Ppi-105-new2-2	DQ864947	Unknown protein 45
Ppi-106-new3-1	DQ864948	Unknown protein 46

Gene Symbol	GenBank Accession No.	Encoded protein*
Ppi-107-new3-2	DQ864949	Unknown protein 46
Ppi-108-new3-3	DQ864950	Unknown protein 46
Ppi-109-new4	DQ864951	Unknown protein 47
Ppi-110-new5-1	DQ864952	Unknown protein 48
Ppi-111-new5-2	DQ864953	Unknown protein 48
Ppi-112-new5-3	DQ864954	Unknown protein 48
Ppi-113-new6	DQ864955	Unknown protein 49
Ppi-114-new7	DQ864956	Unknown protein 50
Ppi-115-new8	DQ864957	Unknown protein 51
Ppi-116-new9	DQ864958	Unknown protein 52
Ppi-117-new10	DQ864959	Unknown protein 53
Ppi-118-new11	DQ864960	Unknown protein 54
Ppi-119-new12	DQ864961	Unknown protein 55
Ppi-120-new13	DQ864962	Unknown protein 56
Ppi-121-new14	DQ864963	Unknown protein 57
Ppi-122-new15	DQ864964	Unknown protein 58
Ppi-123-new16	DQ864965	Unknown protein 59
Ppi-124-new17	DQ864966	Unknown protein 60
Ppi-125-new18	DQ864967	Unknown protein 61
Ppi-126-new19	DQ864968	Unknown protein 62
Ppi-127-new20	DQ864969	Unknown protein 63
Ppi-128-new21	DQ864970	Unknown protein 64
Ppi-129-new22	DQ864971	Conserved hypothetical protein 5
Ppi-130	EF134400	Unknown protein 64
Ppi-131-1	EF134401	Unknown protein 65
Ppi-131-2	EF134402	Unknown protein 65
<i>Prorocentrum minimum</i> (strain CCMP696)		
pmi-5p-Pmi1	DQ884413	Nitrite transporter
pmi-5p-2	DQ884414	Single domain cyclophilin type peptidyl-prolyl cis-trans
pmi-5p-3-1	DQ884415	Centrin
pmi-5p-3-2	DQ884416	Centrin
pmi-5p-3-3	DQ884417	Centrin
pmi-5p-3-4	DQ884418	Centrin

Gene Symbol	GenBank Accession No.	Encoded protein*
pmi-5p-4	DQ884419	40S ribosomal S14
pmi-5p-5	DQ884420	Form II Rubisco
pmi-5p-5_2	DQ884421	Heat shock protein 70
pmi-5p-6	DQ884422	Uncharacterized protein family (UPF0160)
pmi-5p-7-1	DQ884423	Major basic nuclear protein
pmi-5p-7-2	DQ884424	Major basic nuclear protein
pmi-5p-7-3	DQ884425	Major basic nuclear protein
pmi-5p-7-4	DQ884426	Major basic nuclear protein
pmi-5p-7-5	DQ884427	Major basic nuclear protein
pmi-5p-8-1	DQ884428	Calmodulin
pmi-5p-8-2	DQ884429	Calmodulin
pmi-5p-8-3	DQ884430	Calmodulin
pmi-5p-8-4	DQ884431	Calmodulin
Pmi-5p-9	EF134371	Beta-tubulin
Pmi-5p-10	EF134372	Lipopolysaccharide-induced TNF factor-like
Pmi-5p-11	EF134373	Uridine kinase
Pmi-5p-12	EF134374	Conserved hypothetical protein1
Pmi-5p-13	EF134375	Conserved hypothetical protein2
Pmi-5p-14	EF134376	Conserved hypothetical protein3
Pmi-5p-15-1	EF134377	Unknown protein 1
Pmi-5p-15-2	EF134378	Unknown protein 1
Pmi-5p-16	EF134379	Unknown protein 2
Pmi-5p-17	EF134380	Unknown protein 3
Pmi-5p-18	EF134381	Unknown protein 4
Pmi-5p-19-1	EF134382	Unknown protein 5
Pmi-5p-19-2	EF134383	Unknown protein 5
Pmi-5p-20-1	EF134384	Unknown protein 6
Pmi-5p-20-2	EF134385	Unknown protein 6
Pmi-5p-21	EF134386	Unknown protein 7
Pmi-5p-22	EF134387	Unknown protein 8

*, Number after an unknown or conserved hypothetical protein identifies a unique sequence within the species.