

PCid	Protein GI	Accession	Organism	Annotation
RL00aef2b2	11465394	NP_045215.1	Cyanidium caldarium	Ycf27
RL00aef2b2	11465824	NP_053968.1	Porphyra purpurea	Ycf27
RL00aef2b2	11467627	NP_050679.1	Guillardia theta	Ycf27
RL00aef2b2	30468114	NP_849001.1	Cyanidioschyzon merolae strain 10D	ompR-like transcriptional regulator
RL00aef2b2	51209875	YP_063539.1	Gracilaria tenuistipitata var. liui	Ycf27
RL00aef2b2	71842271	YP_277359.1	Emiliana huxleyi	Ycf27
RL00aef2b2	134276940	YP_537039.2	Porphyra yezoensis	Ycf27
RL00aef2b2	149072098	YP_001293493.1	Rhodomonas salina	OmpR-like protein
RL00aef2b2	189095289	YP_001936302.1	Heterosigma akashiwo	Ycf27
RL00aef2b2	189095355	YP_001936368.1	Heterosigma akashiwo	Ycf27
RL00aef2b3	11465395	NP_045214.1	Cyanidium caldarium	photosystem I P700 chlorophyll a apoprotein A1
RL00aef2b3	11465750	NP_053894.1	Porphyra purpurea	photosystem I P700 chlorophyll a apoprotein A1
RL00aef2b3	11467572	NP_043718.1	Odontella sinensis	photosystem I P700 chlorophyll a apoprotein A1
RL00aef2b3	11467713	NP_050765.1	Guillardia theta	photosystem I P700 chlorophyll a apoprotein A1
RL00aef2b3	30468157	NP_849044.1	Cyanidioschyzon merolae strain 10D	photosystem I P700 chlorophyll a apoprotein A1
RL00aef2b3	71842223	YP_277311.1	Emiliana huxleyi	photosystem I P700 chlorophyll a apoprotein A1
RL00aef2b3	90994474	YP_536964.1	Porphyra yezoensis	photosystem I P700 chlorophyll a apoprotein A1
RL00aef2b3	118410964	YP_874359.1	Phaeodactylum tricorutum	photosystem I P700 apoprotein A1
RL00aef2b3	118411096	YP_874490.1	Thalassiosira pseudonana	photosystem I p700 chlorophyll A apoprotein A
RL00aef2b3	126165902	YP_063614.2	Gracilaria tenuistipitata var. liui	photosystem I P700 chlorophyll a apoprotein A1
RL00aef2b3	149072047	YP_001293576.1	Rhodomonas salina	photosystem I p700 apoprotein A1
RL00aef2b3	189095331	YP_001936344.1	Heterosigma akashiwo	photosystem I P700 chlorophyll a apoprotein A1
RL00aef2b3	215400829	YP_002327590.1	Vaucheria litorea	PSI apoprotein A1
RL00aef2b3	242620082	YP_003002086.1	Aureococcus anophagefferens	photosystem I P700 chlorophyll A apoprotein A1
RL00aef2b3	242624309	YP_003002227.1	Aureoumbra lagunensis	photosystem I P700 chlorophyll A apoprotein A1
RL00aef2b3	269101108	YP_003289256.1	Ectocarpus siliculosus	Photosystem I P700 chlorophyll a apoprotein A1
RL00aef2b3	299830310	YP_003734525.1	Kryptoperidinium foliaceum	photosystem I P700 chlorophyll a apoprotein A1
RL00aef2b3	299830505	YP_003734951.1	Durinskia baltica	photosystem I p700 chlorophyll A apoprotein A
RL00aef2b3	301500959	YP_003795424.1	Alveolata sp. CCMP3155	photosystem I P700 chlorophyll a apoprotein A1
RL00aef2b3	315320540	YP_004072597.1	Thalassiosira oceanica CCMP1005	photosystem I P700 chlorophyll a apoprotein A1
RL00aef2b3	330850909	YP_004376659.1	Fistulifera sp. JPCC DA0580	photosystem I P700 apoprotein A1
RL00aef2b4	11465396	NP_045213.1	Cyanidium caldarium	photosystem I P700 chlorophyll a apoprotein A2
RL00aef2b4	11465751	NP_053895.1	Porphyra purpurea	photosystem I P700 chlorophyll a apoprotein A2
RL00aef2b4	11467571	NP_043717.1	Odontella sinensis	photosystem I P700 chlorophyll a apoprotein A2
RL00aef2b4	11467712	NP_050764.1	Guillardia theta	photosystem I P700 chlorophyll a apoprotein A2
RL00aef2b4	30468158	NP_849045.1	Cyanidioschyzon merolae strain 10D	photosystem I P700 chlorophyll a apoprotein A2
RL00aef2b4	51209949	YP_063613.1	Gracilaria tenuistipitata var. liui	photosystem I P700 chlorophyll a apoprotein A2

RL00aef2b4	71842224	YP_277312.1	Emiliana huxleyi	photosystem I P700 chlorophyll a apoprotein A2
RL00aef2b4	90994475	YP_536965.1	Porphyra yezoensis	photosystem I P700 chlorophyll a apoprotein A2
RL00aef2b4	118410963	YP_874358.1	Phaeodactylum tricornutum	photosystem I P700 apoprotein A2
RL00aef2b4	118411097	YP_874491.1	Thalassiosira pseudonana	photosystem I p700 chlorophyll A apoprotein B
RL00aef2b4	149072048	YP_001293575.1	Rhodomonas salina	photosystem I p700 apoprotein A2
RL00aef2b4	189095332	YP_001936345.1	Heterosigma akashiwo	photosystem I P700 chlorophyll a apoprotein A2
RL00aef2b4	215400830	YP_002327591.1	Vaucheria litorea	PSI P700 apoprotein A2
RL00aef2b4	242620083	YP_003002087.1	Aureococcus anophagefferens	photosystem I P700 chlorophyll A apoprotein A2
RL00aef2b4	242624310	YP_003002228.1	Aureoumbra lagunensis	photosystem I P700 chlorophyll A apoprotein A2
RL00aef2b4	269101109	YP_003289257.1	Ectocarpus siliculosus	Photosystem I chlorophyll A apoprotein A2
RL00aef2b4	299830311	YP_003734526.1	Kryptoperidinium foliaceum	photosystem I P700 chlorophyll a apoprotein A2
RL00aef2b4	299830504	YP_003734950.1	Durinskia baltica	photosystem I p700 chlorophyll A apoprotein B
RL00aef2b4	301500958	YP_003795423.1	Alveolata sp. CCMP3155	photosystem I P700 chlorophyll a apoprotein A2
RL00aef2b4	315320539	YP_004072596.1	Thalassiosira oceanica CCMP1005	photosystem I P700 chlorophyll a apoprotein A2
RL00aef2b4	330850908	YP_004376658.1	Fistulifera sp. JPCC DA0580	photosystem I P700 apoprotein A2
RL00aef2b5	11465397	NP_045212.1	Cyanidium caldarium	ribosomal protein S14
RL00aef2b5	11465785	NP_053929.1	Porphyra purpurea	ribosomal protein S14
RL00aef2b5	11467497	NP_043643.1	Odontella sinensis	ribosomal protein S14
RL00aef2b5	11467711	NP_050763.1	Guillardia theta	ribosomal protein S14
RL00aef2b5	30468159	NP_849046.1	Cyanidioschyzon merolae strain 10D	ribosomal protein S14
RL00aef2b5	51209948	YP_063612.1	Gracilaria tenuistipitata var. liui	ribosomal protein S14
RL00aef2b5	71842286	YP_277374.1	Emiliana huxleyi	ribosomal protein S14
RL00aef2b5	90994510	YP_537000.1	Porphyra yezoensis	ribosomal protein S14
RL00aef2b5	118410993	YP_874388.1	Phaeodactylum tricornutum	30S ribosomal protein S14
RL00aef2b5	118411140	YP_874534.1	Thalassiosira pseudonana	30S ribosomal protein S14
RL00aef2b5	149072049	YP_001293574.1	Rhodomonas salina	ribosomal protein S14
RL00aef2b5	189095333	YP_001936346.1	Heterosigma akashiwo	ribosomal protein S14
RL00aef2b5	215400831	YP_002327592.1	Vaucheria litorea	ribosomal protein S14
RL00aef2b5	242620084	YP_003002088.1	Aureococcus anophagefferens	30S ribosomal protein S14
RL00aef2b5	242624311	YP_003002229.1	Aureoumbra lagunensis	30S ribosomal protein S14
RL00aef2b5	269101110	YP_003289258.1	Ectocarpus siliculosus	30S ribosomal protein S14
RL00aef2b5	283794894	YP_003359247.1	Cryptomonas paramecium	ribosomal protein S14
RL00aef2b5	299830327	YP_003734542.1	Kryptoperidinium foliaceum	ribosomal protein S14
RL00aef2b5	299830532	YP_003734980.1	Durinskia baltica	30S ribosomal protein S14
RL00aef2b5	301500899	YP_003795311.1	Chromera velia	ribosomal protein S14
RL00aef2b5	301500954	YP_003795419.1	Alveolata sp. CCMP3155	ribosomal protein S14
RL00aef2b5	315320471	YP_004072527.1	Thalassiosira oceanica CCMP1005	30S ribosomal protein S14
RL00aef2b5	330850840	YP_004376590.1	Fistulifera sp. JPCC DA0580	30S ribosomal protein S14
RL00aef2b6	11465398	NP_045211.1	Cyanidium caldarium	imidazole glycerol phosphate synthase subunit hisH
RL00aef2b6	30468160	NP_849047.1	Cyanidioschyzon merolae strain 10D	amidotransferase hisH

RL00aef2b7	11465399	NP_045210.1	Cyanidium caldarium	cytochrome b6/f complex subunit V
RL00aef2b7	11465784	NP_053928.1	Porphyra purpurea	cytochrome b6/f complex subunit V
RL00aef2b7	11467546	NP_043692.1	Odontella sinensis	cytochrome b6/f complex subunit V
RL00aef2b7	11467710	NP_050762.1	Guillardia theta	cytochrome b6/f complex subunit V
RL00aef2b7	30468161	NP_849048.1	Cyanidioschyzon merolae strain 10D	cytochrome b6/f complex subunit V
RL00aef2b7	51209947	YP_063611.1	Gracilaria tenuistipitata var. liui	cytochrome b6/f complex subunit V
RL00aef2b7	71842301	YP_277389.1	Emiliana huxleyi	cytochrome b6/f complex subunit V
RL00aef2b7	90994509	YP_536999.1	Porphyra yezoensis	cytochrome b6/f complex subunit V
RL00aef2b7	118410985	YP_874380.1	Phaeodactylum tricornutum	cytochrome b6-f complex subunit V
RL00aef2b7	118411145	YP_874539.1	Thalassiosira pseudonana	cytochrome b6-f complex subunit V
RL00aef2b7	149072006	YP_001293573.1	Rhodomonas salina	cytochrome b6-f complex subunit V
RL00aef2b7	189095320	YP_001936333.1	Heterosigma akashiwo	cytochrome b6/f complex subunit V
RL00aef2b7	215400808	YP_002327569.1	Vaucheria litorea	cytochrome b6/f complex subunit 5
RL00aef2b7	242620085	YP_003002089.1	Aureococcus anophagefferens	cytochrome b6-f complex subunit V
RL00aef2b7	242624312	YP_003002230.1	Aureoumbra lagunensis	cytochrome b6-f complex subunit V
RL00aef2b7	269101064	YP_003289212.1	Ectocarpus siliculosus	cytochrome b6f complex subunit 5
RL00aef2b7	299830319	YP_003734534.1	Kryptoperidinium foliaceum	cytochrome b6-f complex subunit V
RL00aef2b7	299830525	YP_003734972.1	Durinskia baltica	cytochrome b6-f complex subunit V
RL00aef2b7	301500916	YP_003795328.1	Chromera velia	cytochrome b6/f complex subunit V
RL00aef2b7	301500927	YP_003795392.1	Alveolata sp. CCMP3155	cytochrome b6/f complex subunit V
RL00aef2b7	315320512	YP_004072568.1	Thalassiosira oceanica CCMP1005	cytochrome b6-f complex subunit V
RL00aef2b7	330850929	YP_004376679.1	Fistulifera sp. JPCC DA0580	cytochrome b6-f complex subunit V
RL00aef2b8	11465400	NP_045209.1	Cyanidium caldarium	photosystem II protein K
RL00aef2b8	11465783	NP_053927.1	Porphyra purpurea	photosystem II protein K
RL00aef2b8	11467545	NP_043691.1	Odontella sinensis	photosystem II protein K
RL00aef2b8	11467709	NP_050761.1	Guillardia theta	photosystem II protein K
RL00aef2b8	30468162	NP_849049.1	Cyanidioschyzon merolae strain 10D	photosystem II protein K
RL00aef2b8	51209946	YP_063610.1	Gracilaria tenuistipitata var. liui	photosystem II protein K
RL00aef2b8	71842252	YP_277340.1	Emiliana huxleyi	photosystem II protein K
RL00aef2b8	90994508	YP_536998.1	Porphyra yezoensis	photosystem II protein K
RL00aef2b8	118410984	YP_874379.1	Phaeodactylum tricornutum	photosystem II protein K
RL00aef2b8	118411146	YP_874540.1	Thalassiosira pseudonana	photosystem II protein K
RL00aef2b8	149072005	YP_001293572.1	Rhodomonas salina	photosystem II protein K
RL00aef2b8	189095321	YP_001936334.1	Heterosigma akashiwo	photosystem II protein K
RL00aef2b8	215400809	YP_002327570.1	Vaucheria litorea	PSII protein K
RL00aef2b8	242620019	YP_003002023.1	Aureococcus anophagefferens	photosystem II protein K
RL00aef2b8	242624361	YP_003002279.1	Aureoumbra lagunensis	photosystem II protein K
RL00aef2b8	269101063	YP_003289211.1	Ectocarpus siliculosus	Photosystem II reaction center protein K
RL00aef2b8	299830318	YP_003734533.1	Kryptoperidinium foliaceum	photosystem II protein K
RL00aef2b8	299830524	YP_003734971.1	Durinskia baltica	photosystem II protein K
RL00aef2b8	301500871	YP_003795283.1	Chromera velia	photosystem II protein K
RL00aef2b8	301500950	YP_003795415.1	Alveolata sp. CCMP3155	photosystem II protein K

RL00aef2b8	315320511	YP_004072567.1	Thalassiosira oceanica CCMP1005	photosystem II reaction center protein K
RL00aef2b8	330850928	YP_004376678.1	Fistulifera sp. JPCC DA0580	photosystem II protein K
RL00aef2b9	11465401	NP_045208.1	Cyanidium caldarium	hypothetical protein CycaCp192
RL00aef2b9	11465782	NP_053926.1	Porphyra purpurea	photosystem II protein Z
RL00aef2b9	11467539	NP_043685.1	Odontella sinensis	ORF61
RL00aef2b9	11467708	NP_050760.1	Guillardia theta	photosystem II protein Z
RL00aef2b9	30468163	NP_849050.1	Cyanidioschyzon merolae strain 10D	Ycf9
RL00aef2b9	51209945	YP_063609.1	Gracilaria tenuistipitata var. liui	conserved hypothetical plastid protein
RL00aef2b9	71842253	YP_277341.1	Emiliana huxleyi	photosystem II protein Z
RL00aef2b9	90994507	YP_536997.1	Porphyra yezoensis	photosystem II protein Z
RL00aef2b9	118410979	YP_874374.1	Phaeodactylum tricornutum	photosystem II protein Z
RL00aef2b9	118411151	YP_874545.1	Thalassiosira pseudonana	photosystem II protein Z
RL00aef2b9	149072050	YP_001293571.1	Rhodomonas salina	photosystem II protein Z
RL00aef2b9	189095322	YP_001936335.1	Heterosigma akashiwo	photosystem II protein Z
RL00aef2b9	215400810	YP_002327571.1	Vaucheria litorea	PSII Z protein
RL00aef2b9	299830313	YP_003734528.1	Kryptoperidinium foliaceum	photosystem II protein Z
RL00aef2b9	299830519	YP_003734966.1	Durinskia baltica	photosystem II protein Z
RL00aef2b9	315320509	YP_004072565.1	Thalassiosira oceanica CCMP1005	photosystem II reaction center protein Z
RL00aef2b9	330850923	YP_004376673.1	Fistulifera sp. JPCC DA0580	photosystem II protein Z
RL00aef2ba	11465402	NP_045207.1	Cyanidium caldarium	photosystem I subunit II
RL00aef2ba	11465745	NP_053889.1	Porphyra purpurea	photosystem I subunit II
RL00aef2ba	11467501	NP_043647.1	Odontella sinensis	photosystem I subunit II
RL00aef2ba	11467707	NP_050759.1	Guillardia theta	photosystem I subunit II
RL00aef2ba	30468164	NP_849051.1	Cyanidioschyzon merolae strain 10D	photosystem I subunit II
RL00aef2ba	51209954	YP_063618.1	Gracilaria tenuistipitata var. liui	photosystem I subunit II
RL00aef2ba	71842310	YP_277398.1	Emiliana huxleyi	photosystem I subunit II
RL00aef2ba	90994471	YP_536961.1	Porphyra yezoensis	photosystem I subunit II
RL00aef2ba	118410999	YP_874394.1	Phaeodactylum tricornutum	photosystem I ferredoxin-binding protein
RL00aef2ba	118411153	YP_874547.1	Thalassiosira pseudonana	photosystem I ferredoxin-binding protein
RL00aef2ba	149072004	YP_001293570.1	Rhodomonas salina	photosystem I subunit II
RL00aef2ba	189095334	YP_001936347.1	Heterosigma akashiwo	photosystem I subunit II
RL00aef2ba	215400814	YP_002327575.1	Vaucheria litorea	PSI reaction center subunit II
RL00aef2ba	242620038	YP_003002042.1	Aureococcus anophagefferens	photosystem I reaction center subunit II
RL00aef2ba	242624263	YP_003002181.1	Aureoumbra lagunensis	photosystem I reaction center subunit II
RL00aef2ba	269101090	YP_003289238.1	Ectocarpus siliculosus	Photosystem I reaction center subunit II
RL00aef2ba	299830333	YP_003734548.1	Kryptoperidinium foliaceum	ferredoxin-binding protein II
RL00aef2ba	299830538	YP_003734986.1	Durinskia baltica	photosystem I protein subunit II
RL00aef2ba	301500982	YP_003795447.1	Alveolata sp. CCMP3155	photosystem I subunit II
RL00aef2ba	315320504	YP_004072560.1	Thalassiosira oceanica CCMP1005	photosystem I reaction center subunit II
RL00aef2ba	330850834	YP_004376584.1	Fistulifera sp. JPCC DA0580	photosystem I ferredoxin-binding protein

RL00aef2bb	11465403 NP_045206.1	Cyanidium caldarium	hypothetical protein CycaCp190
RL00aef2bb	11467541 NP_043687.1	Odontella sinensis	ORF44
RL00aef2bb	11496549 NP_044560.1	Toxoplasma gondii RH	ORF B
RL00aef2bb	31442380 NP_852637.1	Eimeria tenella strain Penn State	ORF-B
RL00aef2bb	71842248 YP_277336.1	Emiliana huxleyi	hypothetical protein EmhuCp028
RL00aef2bc	11465404 NP_045205.1	Cyanidium caldarium	hypothetical protein CycaCp189
RL00aef2bc	11465740 NP_053884.1	Porphyra purpurea	hypothetical protein PopuCp089
RL00aef2bc	11467500 NP_043646.1	Odontella sinensis	ORF74
RL00aef2bc	11467705 NP_050757.1	Guillardia theta	hypothetical chloroplast RF47
RL00aef2bc	51209957 YP_063621.1	Gracilaria tenuistipitata var. liui	conserved hypothetical plastid protein
RL00aef2bc	71026012 XP_762709.1	Theileria parva strain Muguga	hypothetical protein
RL00aef2bc	71842265 YP_277353.1	Emiliana huxleyi	hypothetical chloroplast RF47
RL00aef2bc	90994466 YP_536956.1	Porphyra yezoensis	hypothetical protein 71
RL00aef2bc	118410996 YP_874391.1	Phaeodactylum tricornutum	preprotein translocase SecG subunit
RL00aef2bc	118411152 YP_874546.1	Thalassiosira pseudonana	preprotein translocase SecG subunit
RL00aef2bc	149072002 YP_001293568.1	Rhodomonas salina	preprotein translocase SecG subunit
RL00aef2bc	215400816 YP_002327577.1	Vaucheria litorea	unidentified reading frame 2
RL00aef2bc	269101070 YP_003289218.1	Ectocarpus siliculosus	Chloroplast conserved hypothetical protein
RL00aef2bc	299830330 YP_003734545.1	Kryptoperidinium foliaceum	preprotein translocase SecG subunit
RL00aef2bc	299830535 YP_003734983.1	Durinskia baltica	preprotein translocase SecG subunit
RL00aef2bc	315320505 YP_004072561.1	Thalassiosira oceanica CCMP1005	preprotein translocase protein SecG
RL00aef2bc	330850837 YP_004376587.1	Fistulifera sp. JPCC DA0580	preprotein translocase SecG subunit
RL00aef2bd	11465405 NP_045204.1	Cyanidium caldarium	hypothetical protein CycaCp188
RL00aef2bd	11465741 NP_053885.1	Porphyra purpurea	ORF31
RL00aef2bd	11467522 NP_043668.1	Odontella sinensis	ORF42
RL00aef2bd	11467704 NP_050756.1	Guillardia theta	hypothetical chloroplast RF31
RL00aef2bd	30468166 NP_849053.1	Cyanidioschyzon merolae strain 10D	cytochrome b6-f complex subunit VII
RL00aef2bd	71842266 YP_277354.1	Emiliana huxleyi	cytochrome b6/f complex SU VII
RL00aef2bd	90994467 YP_536957.1	Porphyra yezoensis	hypothetical chloroplast protein 31
RL00aef2bd	118410987 YP_874382.1	Phaeodactylum tricornutum	cytochrome b6-f complex subunit VII
RL00aef2bd	118411144 YP_874538.1	Thalassiosira pseudonana	cytochrome b6-f complex subunit VII
RL00aef2bd	149072001 YP_001293567.1	Rhodomonas salina	cytochrome b6-f complex subunit VII
RL00aef2bd	189095336 YP_001936349.1	Heterosigma akashiwo	cytochrome b6-f complex subunit VII
RL00aef2bd	215400817 YP_002327578.1	Vaucheria litorea	cytochrome b6/f complex petM subunit
RL00aef2bd	242620117 YP_003002121.1	Aureococcus anophagefferens	cytochrome b6-f complex subunit VII
RL00aef2bd	242624350 YP_003002268.1	Aureoumbra lagunensis	cytochrome b6-f complex subunit VII
RL00aef2bd	269101069 YP_003289217.1	Ectocarpus siliculosus	cytochrome b6f complex subunit 7
RL00aef2bd	299830321 YP_003734536.1	Kryptoperidinium foliaceum	cytochrome b6-f complex subunit VII
RL00aef2bd	299830527 YP_003734974.1	Durinskia baltica	cytochrome b6-f complex subunit VII
RL00aef2bd	315320513 YP_004072569.1	Thalassiosira oceanica CCMP1005	cytochrome b6-f complex subunit VII
RL00aef2bd	330850931 YP_004376681.1	Fistulifera sp. JPCC DA0580	cytochrome b6-f complex subunit VII

RL00aef2be	11465406	NP_045203.1	Cyanidium caldarium	cytochrome b6/f complex subunit VIII
RL00aef2be	11465742	NP_053886.1	Porphyra purpurea	cytochrome b6/f complex subunit VIII
RL00aef2be	11467521	NP_043667.1	Odontella sinensis	cytochrome b6/f complex subunit VIII
RL00aef2be	11467703	NP_050755.1	Guillardia theta	cytochrome b6/f complex subunit VIII
RL00aef2be	30468167	NP_849054.1	Cyanidioschyzon merolae strain 10D	cytochrome b6/f complex subunit VIII
RL00aef2be	51209956	YP_063620.1	Gracilaria tenuistipitata var. liui	cytochrome b6/f complex subunit 8
RL00aef2be	71842267	YP_277355.1	Emiliania huxleyi	cytochrome b6/f complex subunit VIII
RL00aef2be	90994468	YP_536958.1	Porphyra yezoensis	cytochrome b6/f complex subunit VIII
RL00aef2be	118410988	YP_874383.1	Phaeodactylum tricornutum	cytochrome b6-f complex subunit VIII
RL00aef2be	118411143	YP_874537.1	Thalassiosira pseudonana	cytochrome b6-f complex subunit VIII
RL00aef2be	149072000	YP_001293566.1	Rhodomonas salina	cytochrome b6-f complex subunit VIII
RL00aef2be	189095337	YP_001936350.1	Heterosigma akashiwo	cytochrome b6/f complex subunit VIII
RL00aef2be	215400818	YP_002327579.1	Vaucheria litorea	cytochrome b6/f complex subunit 8
RL00aef2be	242620118	YP_003002122.1	Aureococcus anophagefferens	cytochrome b6-f complex subunit VIII
RL00aef2be	242624349	YP_003002267.1	Aureoumbra lagunensis	cytochrome b6-f complex subunit VIII
RL00aef2be	269101068	YP_003289216.1	Ectocarpus siliculosus	cytochrome b6f complex subunit 8
RL00aef2be	299830322	YP_003734537.1	Kryptoperidinium foliaceum	cytochrome b6-f complex subunit VIII
RL00aef2be	299830528	YP_003734975.1	Durinskia baltica	cytochrome b6-f complex subunit VIII
RL00aef2be	301500951	YP_003795416.1	Alveolata sp. CCMP3155	cytochrome b6/f complex subunit VIII
RL00aef2be	315320514	YP_004072570.1	Thalassiosira oceanica CCMP1005	cytochrome b6-f complex subunit VIII
RL00aef2be	330850932	YP_004376682.1	Fistulifera sp. JPCC DA0580	cytochrome b6-f complex subunit VIII
RL00aef2bf	11465407	NP_045202.1	Cyanidium caldarium	hypothetical protein CycaCp186
RL00aef2bf	90994459	YP_536949.1	Porphyra yezoensis	hypothetical protein 4
RL00aef2c0	11465408	NP_045201.1	Cyanidium caldarium	magnesium-protoporphyrin IX monomethyl ester cyclase
RL00aef2c0	11465743	NP_053887.1	Porphyra purpurea	magnesium-protoporphyrin IX monomethyl ester cyclase
RL00aef2c0	30468168	NP_849055.1	Cyanidioschyzon merolae strain 10D	phytochrome-regulated gene
RL00aef2c0	51209955	YP_063619.1	Gracilaria tenuistipitata var. liui	magnesium-protoporphyrin IX monomethyl ester cyclase
RL00aef2c0	90994469	YP_536959.1	Porphyra yezoensis	magnesium-protoporphyrin IX monomethyl ester cyclase
RL00aef2c0	189095338	YP_001936351.1	Heterosigma akashiwo	magnesium-protoporphyrin IX monomethyl ester cyclase
RL00aef2c0	215400819	YP_002327580.1	Vaucheria litorea	hypothetical protein YCF59
RL00aef2c0	269101067	YP_003289215.1	Ectocarpus siliculosus	magnesium-protoporphyrin IX monomethyl ester (oxidative) cyclase
RL00aef2c0	301500855	YP_003795267.1	Chromera velia	magnesium-protoporphyrin IX monomethyl ester cyclase
RL00aef2c0	301500956	YP_003795421.1	Alveolata sp. CCMP3155	magnesium-protoporphyrin IX monomethyl ester cyclase
RL00aef2c1	11465409	NP_045200.1	Cyanidium caldarium	50S ribosomal protein L35
RL00aef2c1	11465736	NP_053880.1	Porphyra purpurea	ribosomal protein L35
RL00aef2c1	11467493	NP_043639.1	Odontella sinensis	ribosomal protein L35
RL00aef2c1	11467701	NP_050753.1	Guillardia theta	ribosomal protein L35
RL00aef2c1	30468169	NP_849056.1	Cyanidioschyzon merolae strain 10D	ribosomal protein L35
RL00aef2c1	51209961	YP_063625.1	Gracilaria tenuistipitata var. liui	ribosomal protein L35

RL00aef2c1	90994462	YP_536952.1	Porphyra yezoensis	ribosomal protein L35
RL00aef2c1	118411035	YP_874430.1	Phaeodactylum tricornutum	50S ribosomal protein L35
RL00aef2c1	118411119	YP_874513.1	Thalassiosira pseudonana	50S ribosomal protein L35
RL00aef2c1	149072052	YP_001293564.1	Rhodomonas salina	ribosomal protein L35
RL00aef2c1	189095340	YP_001936353.1	Heterosigma akashiwo	50S ribosomal protein L35
RL00aef2c1	215400776	YP_002327537.1	Vaucheria litorea	ribosomal protein L35
RL00aef2c1	242620021	YP_003002025.1	Aureococcus anophagefferens	50S ribosomal protein L35
RL00aef2c1	242624365	YP_003002283.1	Aureoumbra lagunensis	50S ribosomal protein L35
RL00aef2c1	269101065	YP_003289213.1	Ectocarpus siliculosus	50S ribosomal protein L35
RL00aef2c1	283794892	YP_003359245.1	Cryptomonas paramecium	ribosomal protein L35
RL00aef2c1	299830369	YP_003734584.1	Kryptoperidinium foliaceum	ribosomal protein L35
RL00aef2c1	299830574	YP_003735022.1	Durinskia baltica	50S ribosomal protein L35
RL00aef2c1	315320525	YP_004072581.1	Thalassiosira oceanica CCMP1005	50S ribosomal protein L35
RL00aef2c1	330850843	YP_004376593.1	Fistulifera sp. JPCC DA0580	50S ribosomal protein L35
RL00aef2c2	11465410	NP_045199.1	Cyanidium caldarium	ribosomal protein L20
RL00aef2c2	11465735	NP_053879.1	Porphyra purpurea	ribosomal protein L20
RL00aef2c2	11467492	NP_043638.1	Odontella sinensis	ribosomal protein L20
RL00aef2c2	11467700	NP_050752.1	Guillardia theta	ribosomal protein L20
RL00aef2c2	30468170	NP_849057.1	Cyanidioschyzon merolae strain 10D	ribosomal protein L20
RL00aef2c2	51209962	YP_063626.1	Gracilaria tenuistipitata var. liui	ribosomal protein L20
RL00aef2c2	71842230	YP_277318.1	Emiliania huxleyi	ribosomal protein L20
RL00aef2c2	90994461	YP_536951.1	Porphyra yezoensis	ribosomal protein L20
RL00aef2c2	118411036	YP_874431.1	Phaeodactylum tricornutum	50S ribosomal protein L20
RL00aef2c2	118411120	YP_874514.1	Thalassiosira pseudonana	50S ribosomal protein L20
RL00aef2c2	149072053	YP_001293563.1	Rhodomonas salina	50S ribosomal protein L20
RL00aef2c2	189095341	YP_001936354.1	Heterosigma akashiwo	ribosomal protein L20
RL00aef2c2	215400775	YP_002327536.1	Vaucheria litorea	ribosomal protein L20
RL00aef2c2	242620020	YP_003002024.1	Aureococcus anophagefferens	50S ribosomal protein L20
RL00aef2c2	242624366	YP_003002284.1	Aureoumbra lagunensis	50S ribosomal protein L20
RL00aef2c2	269101071	YP_003289219.1	Ectocarpus siliculosus	50S ribosomal protein L20
RL00aef2c2	283794891	YP_003359244.1	Cryptomonas paramecium	ribosomal protein L20
RL00aef2c2	299830370	YP_003734585.1	Kryptoperidinium foliaceum	ribosomal protein L20
RL00aef2c2	299830573	YP_003735021.1	Durinskia baltica	50S ribosomal protein L20
RL00aef2c2	301500939	YP_003795404.1	Alveolata sp. CCMP3155	ribosomal protein L20
RL00aef2c2	315320526	YP_004072582.1	Thalassiosira oceanica CCMP1005	50S ribosomal protein L20
RL00aef2c2	330850844	YP_004376594.1	Fistulifera sp. JPCC DA0580	50S ribosomal protein L20
RL00aef2c3	11465411	NP_045198.1	Cyanidium caldarium	prenyl transferase
RL00aef2c3	11465734	NP_053878.1	Porphyra purpurea	prenyl transferase
RL00aef2c3	30468171	NP_849058.1	Cyanidioschyzon merolae strain 10D	prenyl transferase
RL00aef2c3	51209963	YP_063627.1	Gracilaria tenuistipitata var. liui	prenyl transferase
RL00aef2c3	90994460	YP_536950.1	Porphyra yezoensis	prenyl transferase

RL00aef2c4	11465412 NP_045197.1	Cyanidium caldarium	pyruvate dehydrogenase E1 component alpha subunit
RL00aef2c4	11465733 NP_053877.1	Porphyra purpurea	pyruvate dehydrogenase E1 component alpha subunit
RL00aef2c4	30468172 NP_849059.1	Cyanidioschyzon merolae strain 10D	pyruvate dehydrogenase E1 component alpha subunit
RL00aef2c4	51209964 YP_063628.1	Gracilaria tenuistipitata var. liui	pyruvate dehydrogenase E1 component alpha subunit
RL00aef2c4	90994458 YP_536948.1	Porphyra yezoensis	pyruvate dehydrogenase E1 component alpha subunit
RL00aef2c5	11465413 NP_045196.1	Cyanidium caldarium	pyruvate dehydrogenase E1 component beta subunit
RL00aef2c5	11465732 NP_053876.1	Porphyra purpurea	pyruvate dehydrogenase E1 component beta subunit
RL00aef2c5	30468173 NP_849060.1	Cyanidioschyzon merolae strain 10D	pyruvate dehydrogenase E1 component beta subunit
RL00aef2c5	51209965 YP_063629.1	Gracilaria tenuistipitata var. liui	pyruvate dehydrogenase E1 component beta subunit
RL00aef2c5	90994457 YP_536947.1	Porphyra yezoensis	pyruvate dehydrogenase E1 component beta subunit
RL00aef2c6	11465414 NP_045195.1	Cyanidium caldarium	cytochrome f
RL00aef2c6	11465731 NP_053875.1	Porphyra purpurea	cytochrome f
RL00aef2c6	11467558 NP_043704.1	Odontella sinensis	cytochrome f
RL00aef2c6	11467699 NP_050751.1	Guillardia theta	cytochrome f
RL00aef2c6	30468174 NP_849061.1	Cyanidioschyzon merolae strain 10D	cytochrome f
RL00aef2c6	51209966 YP_063630.1	Gracilaria tenuistipitata var. liui	cytochrome f
RL00aef2c6	71842242 YP_277330.1	Emiliana huxleyi	cytochrome f
RL00aef2c6	90994456 YP_536946.1	Porphyra yezoensis	cytochrome f
RL00aef2c6	118411009 YP_874404.1	Phaeodactylum tricornutum	cytochrome f
RL00aef2c6	118411137 YP_874531.1	Thalassiosira pseudonana	cytochrome f
RL00aef2c6	149071999 YP_001293562.1	Rhodomonas salina	cytochrome f
RL00aef2c6	189095383 YP_001936396.1	Heterosigma akashiwo	cytochrome f
RL00aef2c6	215400701 YP_002327462.1	Vaucheria litorea	apocytochrome f
RL00aef2c6	242620115 YP_003002119.1	Aureococcus anophagefferens	cytochrome f
RL00aef2c6	242624352 YP_003002270.1	Aureoumbra lagunensis	cytochrome f
RL00aef2c6	269101116 YP_003289264.1	Ectocarpus siliculosus	cytochrome f
RL00aef2c6	299830343 YP_003734558.1	Kryptoperidinium foliaceum	cytochrome f
RL00aef2c6	299830548 YP_003734996.1	Durinskia baltica	cytochrome f
RL00aef2c6	301500849 YP_003795261.1	Chromera velia	component of cytochrome b6/f complex
RL00aef2c6	301500943 YP_003795408.1	Alveolata sp. CCMP3155	component of cytochrome b6/f complex
RL00aef2c6	315320489 YP_004072545.1	Thalassiosira oceanica CCMP1005	cytochrome f
RL00aef2c6	330850824 YP_004376574.1	Fistulifera sp. JPCC DA0580	cytochrome f
RL00aef2c7	11465415 NP_045194.1	Cyanidium caldarium	Sec-independent translocase component C
RL00aef2c7	11465730 NP_053874.1	Porphyra purpurea	Sec-independent translocase component C
RL00aef2c7	11467559 NP_043705.1	Odontella sinensis	ORF263
RL00aef2c7	11467698 NP_050750.1	Guillardia theta	Sec-independent translocase component C
RL00aef2c7	30468175 NP_849062.1	Cyanidioschyzon merolae strain 10D	sec-independent protein translocase
RL00aef2c7	51209967 YP_063631.1	Gracilaria tenuistipitata var. liui	Sec-independent translocase component C
RL00aef2c7	71842243 YP_277331.1	Emiliana huxleyi	Sec-independent translocase component C

RL00aef2c7	90994455	YP_536945.1	Porphyra yezoensis	Sec-independent translocase component C
RL00aef2c7	118411010	YP_874405.1	Phaeodactylum tricornutum	Sec-independent protein translocase component TatC
RL00aef2c7	118411136	YP_874530.1	Thalassiosira pseudonana	Sec-independent protein translocase component TatC
RL00aef2c7	149071998	YP_001293561.1	Rhodomonas salina	Sec-independent protein translocase component TatC
RL00aef2c7	189095384	YP_001936397.1	Heterosigma akashiwo	Sec-independent translocase component C
RL00aef2c7	215400700	YP_002327461.1	Vaucheria litorea	photosystem assembly protein Ycf3
RL00aef2c7	242620114	YP_003002118.1	Aureococcus anophagefferens	sec-independent protein translocase
RL00aef2c7	242624353	YP_003002271.1	Aureoumbra lagunensis	sec-independent protein translocase
RL00aef2c7	269101117	YP_003289265.1	Ectocarpus siliculosus	Sec-independent periplasmic protein translocase
RL00aef2c7	283794890	YP_003359243.1	Cryptomonas paramecium	Sec-independent translocase component C
RL00aef2c7	299830344	YP_003734559.1	Kryptoperidinium foliaceum	Sec-independent protein translocase component TatC
RL00aef2c7	299830549	YP_003734997.1	Durinskia baltica	Sec-independent protein translocase component TatC
RL00aef2c7	301500848	YP_003795260.1	Chromera velia	Sec-independent protein translocase TatC
RL00aef2c7	315320488	YP_004072544.1	Thalassiosira oceanica CCMP1005	Sec-independent protein translocase protein TatC
RL00aef2c7	330850823	YP_004376573.1	Fistulifera sp. JPCP DA0580	Sec-independent protein translocase component Tat C
RL00aef2c8	11465416	NP_045193.1	Cyanidium caldarium	phycobillisome linker protein
RL00aef2c8	11465729	NP_053873.1	Porphyra purpurea	phycobillisome linker protein
RL00aef2c8	30468176	NP_849063.1	Cyanidioschyzon merolae strain 10D	phycobillisome linker protein
RL00aef2c8	51209968	YP_063632.1	Gracilaria tenuistipitata var. liui	phycobillisome linker protein
RL00aef2c8	90994454	YP_536944.1	Porphyra yezoensis	phycobillisome linker protein
RL00aef2c9	11465417	NP_045192.1	Cyanidium caldarium	allophycocyanin alpha subunit
RL00aef2c9	11465728	NP_053872.1	Porphyra purpurea	allophycocyanin alpha subunit
RL00aef2c9	30468177	NP_849064.1	Cyanidioschyzon merolae strain 10D	allophycocyanin alpha subunit
RL00aef2c9	51209969	YP_063633.1	Gracilaria tenuistipitata var. liui	allophycocyanin alpha subunit
RL00aef2c9	90994453	YP_536943.1	Porphyra yezoensis	allophycocyanin alpha subunit
RL00aef2ca	11465418	NP_045191.1	Cyanidium caldarium	allophycocyanin beta subunit
RL00aef2ca	11465727	NP_053871.1	Porphyra purpurea	allophycocyanin beta subunit
RL00aef2ca	30468178	NP_849065.1	Cyanidioschyzon merolae strain 10D	allophycocyanin beta subunit
RL00aef2ca	51209970	YP_063634.1	Gracilaria tenuistipitata var. liui	allophycocyanin beta subunit
RL00aef2ca	90994452	YP_536942.1	Porphyra yezoensis	allophycocyanin beta subunit
RL00aef2cb	11465419	NP_045190.1	Cyanidium caldarium	hypothetical protein CycaCp174
RL00aef2cb	11465858	NP_054002.1	Porphyra purpurea	ORF26
RL00aef2cb	51210043	YP_063707.1	Gracilaria tenuistipitata var. liui	drug sensory protein A
RL00aef2cb	71842304	YP_277392.1	Emiliania huxleyi	two component sensor kinase
RL00aef2cb	90994583	YP_537073.1	Porphyra yezoensis	hypothetical chloroplast protein 26
RL00aef2cc	11465420	NP_045189.1	Cyanidium caldarium	acetylglutamate kinase
RL00aef2cc	11465794	NP_053938.1	Porphyra purpurea	acetylglutamate kinase
RL00aef2cc	30468179	NP_849066.1	Cyanidioschyzon merolae strain 10D	acetylglutamate kinase

RL00aef2cc	51209906	YP_063570.1	Gracilaria tenuistipitata var. liui	acetylglutamate kinase
RL00aef2cc	90994520	YP_537010.1	Porphyra yezoensis	acetylglutamate kinase
RL00aef2cd	11465421	NP_045188.1	Cyanidium caldarium	heat shock protein 70
RL00aef2cd	11465781	NP_053925.1	Porphyra purpurea	heat shock protein 70
RL00aef2cd	11467472	NP_043618.1	Odontella sinensis	heat shock protein 70
RL00aef2cd	11467716	NP_050768.1	Guillardia theta	heat shock protein 70
RL00aef2cd	30468181	NP_849068.1	Cyanidioschyzon merolae strain 10D	heat shock protein 70
RL00aef2cd	51209944	YP_063608.1	Gracilaria tenuistipitata var. liui	heat shock protein 70
RL00aef2cd	71842313	YP_277401.1	Emiliana huxleyi	heat shock protein 70
RL00aef2cd	90994506	YP_536996.1	Porphyra yezoensis	heat shock protein 70
RL00aef2cd	118411057	YP_874452.1	Phaeodactylum tricornutum	Hsp70-type chaperone
RL00aef2cd	118411189	YP_874583.1	Thalassiosira pseudonana	Hsp70-type chaperone
RL00aef2cd	149072046	YP_001293579.1	Rhodomonas salina	heat shock protein 70
RL00aef2cd	189095435	YP_001936448.1	Heterosigma akashiwo	heat shock protein 70
RL00aef2cd	215400773	YP_002327534.1	Vaucheria litorea	Hsp70-type chaperone
RL00aef2cd	242620037	YP_003002041.1	Aureococcus anophagefferens	Hsp70-type chaperone
RL00aef2cd	242624262	YP_003002180.1	Aureoumbra lagunensis	Hsp70-type chaperone
RL00aef2cd	269101079	YP_003289227.1	Ectocarpus siliculosus	DnaK chaperone protein
RL00aef2cd	283794896	YP_003359249.1	Cryptomonas paramecium	heat shock protein 70
RL00aef2cd	299830376	YP_003734591.1	Kryptoperidinium foliaceum	heat shock protein 70
RL00aef2cd	299830597	YP_003735045.1	Durinskia baltica	Hsp70-type chaperone
RL00aef2cd	315320563	YP_004072620.1	Thalassiosira oceanica CCMP1005	chaperone DnaK
RL00aef2cd	330850885	YP_004376635.1	Fistulifera sp. JPCC DA0580	Hsp70-type chaperone
RL00aef2ce	11465422	NP_045187.1	Cyanidium caldarium	ribosomal protein L3
RL00aef2ce	11465780	NP_053924.1	Porphyra purpurea	ribosomal protein L3
RL00aef2ce	11467717	NP_050769.1	Guillardia theta	ribosomal protein L3
RL00aef2ce	30468182	NP_849069.1	Cyanidioschyzon merolae strain 10D	ribosomal protein L3
RL00aef2ce	51209943	YP_063607.1	Gracilaria tenuistipitata var. liui	ribosomal protein L3
RL00aef2ce	71842315	YP_277403.1	Emiliana huxleyi	ribosomal protein L3
RL00aef2ce	90994504	YP_536994.1	Porphyra yezoensis	ribosomal protein L3
RL00aef2ce	118411058	YP_874453.1	Phaeodactylum tricornutum	50S ribosomal protein L3
RL00aef2ce	118411190	YP_874584.1	Thalassiosira pseudonana	50S ribosomal protein L3
RL00aef2ce	126022788	NP_043617.2	Odontella sinensis	ribosomal protein L3
RL00aef2ce	149072009	YP_001293580.1	Rhodomonas salina	50S ribosomal protein L3
RL00aef2ce	189095434	YP_001936447.1	Heterosigma akashiwo	ribosomal protein L3
RL00aef2ce	215400772	YP_002327533.1	Vaucheria litorea	ribosomal protein L3
RL00aef2ce	242620043	YP_003002047.1	Aureococcus anophagefferens	50S ribosomal protein L3
RL00aef2ce	242624269	YP_003002187.1	Aureoumbra lagunensis	50S ribosomal protein L3
RL00aef2ce	269101057	YP_003289205.1	Ectocarpus siliculosus	50S ribosomal protein L3
RL00aef2ce	283794897	YP_003359250.1	Cryptomonas paramecium	ribosomal protein L3
RL00aef2ce	299830377	YP_003734592.1	Kryptoperidinium foliaceum	ribosomal protein L3

RL00aef2ce	299830598	YP_003735046.1	<i>Durinskia baltica</i>	50S ribosomal protein L3
RL00aef2ce	301500876	YP_003795288.1	<i>Chromera velia</i>	ribosomal protein L3
RL00aef2ce	301500983	YP_003795448.1	<i>Alveolata</i> sp. CCMP3155	ribosomal protein L3
RL00aef2ce	315320564	YP_004072621.1	<i>Thalassiosira oceanica</i> CCMP1005	50S ribosomal protein L3
RL00aef2ce	330850884	YP_004376634.1	<i>Fistulifera</i> sp. JPCC DA0580	50S ribosomal protein L3
RL00aef2cf	11465423	NP_045186.1	<i>Cyanidium caldarium</i>	ribosomal protein L4
RL00aef2cf	11465779	NP_053923.1	<i>Porphyra purpurea</i>	ribosomal protein L4
RL00aef2cf	11467470	NP_043616.1	<i>Odontella sinensis</i>	ribosomal protein L4
RL00aef2cf	11467718	NP_050770.1	<i>Guillardia theta</i>	ribosomal protein L4
RL00aef2cf	11496536	NP_044546.1	<i>Toxoplasma gondii</i> RH	ribosomal protein L4
RL00aef2cf	30468183	NP_849070.1	<i>Cyanidioschyzon merolae</i> strain 10D	ribosomal protein L4
RL00aef2cf	31442365	NP_852622.1	<i>Eimeria tenella</i> strain Penn State	ribosomal protein L4
RL00aef2cf	51209942	YP_063606.1	<i>Gracilaria tenuistipitata</i> var. liui	ribosomal protein L4
RL00aef2cf	71025927	XP_762671.1	<i>Theileria parva</i> strain Muguga	ribosomal protein L4
RL00aef2cf	90994503	YP_536993.1	<i>Porphyra yezoensis</i>	ribosomal protein L4
RL00aef2cf	118411059	YP_874454.1	<i>Phaeodactylum tricornutum</i>	50S ribosomal protein L4
RL00aef2cf	118411191	YP_874585.1	<i>Thalassiosira pseudonana</i>	50S ribosomal protein L4
RL00aef2cf	149072010	YP_001293581.1	<i>Rhodomonas salina</i>	50S ribosomal protein L4
RL00aef2cf	189095433	YP_001936446.1	<i>Heterosigma akashiwo</i>	ribosomal protein L4
RL00aef2cf	209892901	YP_002290874.1	<i>Babesia bovis</i> T2Bo	hypothetical protein BBOV_V000440
RL00aef2cf	215400771	YP_002327532.1	<i>Vaucheria litorea</i>	ribosomal protein L4
RL00aef2cf	269101056	YP_003289204.1	<i>Ectocarpus siliculosus</i>	50S ribosomal protein L4
RL00aef2cf	283794898	YP_003359251.1	<i>Cryptomonas paramecium</i>	ribosomal protein L4
RL00aef2cf	299830378	YP_003734593.1	<i>Kryptoperidinium foliaceum</i>	ribosomal protein L4
RL00aef2cf	299830599	YP_003735047.1	<i>Durinskia baltica</i>	50S ribosomal protein L4
RL00aef2cf	301500960	YP_003795425.1	<i>Alveolata</i> sp. CCMP3155	ribosomal protein L4
RL00aef2cf	315320565	YP_004072622.1	<i>Thalassiosira oceanica</i> CCMP1005	50S ribosomal protein L4
RL00aef2cf	330850883	YP_004376633.1	<i>Fistulifera</i> sp. JPCC DA0580	50S ribosomal protein L4
RL00aef2d0	11465424	NP_045185.1	<i>Cyanidium caldarium</i>	ribosomal protein L23
RL00aef2d0	11467719	NP_050771.1	<i>Guillardia theta</i>	ribosomal protein L23
RL00aef2d0	12751546	NP_043615.2	<i>Odontella sinensis</i>	ribosomal protein L23
RL00aef2d0	30468184	NP_849071.1	<i>Cyanidioschyzon merolae</i> strain 10D	ribosomal protein L23
RL00aef2d0	51209941	YP_063605.1	<i>Gracilaria tenuistipitata</i> var. liui	50S ribosomal protein L23
RL00aef2d0	71842316	YP_277404.1	<i>Emiliana huxleyi</i>	ribosomal protein L23
RL00aef2d0	118411060	YP_874455.1	<i>Phaeodactylum tricornutum</i>	50S ribosomal protein L23
RL00aef2d0	118411192	YP_874586.1	<i>Thalassiosira pseudonana</i>	50S ribosomal protein L23
RL00aef2d0	149072011	YP_001293582.1	<i>Rhodomonas salina</i>	50S ribosomal protein L23
RL00aef2d0	189095432	YP_001936445.1	<i>Heterosigma akashiwo</i>	50S ribosomal protein L23
RL00aef2d0	215400770	YP_002327531.1	<i>Vaucheria litorea</i>	ribosomal protein L23
RL00aef2d0	242620044	YP_003002048.1	<i>Aureococcus anophagefferens</i>	50S ribosomal protein L23
RL00aef2d0	242624270	YP_003002188.1	<i>Aureoumbra lagunensis</i>	50S ribosomal protein L23

RL00aef2d0	269101055	YP_003289203.1	Ectocarpus siliculosus	50S ribosomal protein L23
RL00aef2d0	270267288	NP_053922.2	Porphyra purpurea	ribosomal protein L23
RL00aef2d0	270267290	YP_536992.2	Porphyra yezoensis	ribosomal protein L23
RL00aef2d0	283794899	YP_003359252.1	Cryptomonas paramecium	ribosomal protein L23
RL00aef2d0	299830379	YP_003734594.1	Kryptoperidinium foliaceum	ribosomal protein L23
RL00aef2d0	299830600	YP_003735048.1	Durinskia baltica	50S ribosomal protein L23
RL00aef2d0	301500961	YP_003795426.1	Alveolata sp. CCMP3155	ribosomal protein L23
RL00aef2d0	315320566	YP_004072623.1	Thalassiosira oceanica CCMP1005	50S ribosomal protein L23/L25
RL00aef2d0	330850882	YP_004376632.1	Fistulifera sp. JPCC DA0580	50S ribosomal protein L23
RL00aef2d1	11465425	NP_045184.1	Cyanidium caldarium	ribosomal protein L2
RL00aef2d1	11465777	NP_053921.1	Porphyra purpurea	ribosomal protein L2
RL00aef2d1	11467468	NP_043614.1	Odontella sinensis	ribosomal protein L2
RL00aef2d1	11467720	NP_050772.1	Guillardia theta	ribosomal protein L2
RL00aef2d1	11496537	NP_044547.1	Toxoplasma gondii RH	ribosomal protein L2
RL00aef2d1	30468185	NP_849072.1	Cyanidioschyzon merolae strain 10D	ribosomal protein L2
RL00aef2d1	31442366	NP_852623.1	Eimeria tenella strain Penn State	ribosomal protein L2
RL00aef2d1	51209940	YP_063604.1	Gracilaria tenuistipitata var. liui	ribosomal protein L2
RL00aef2d1	71025930	XP_762672.1	Theileria parva strain Muguga	ribosomal protein L2
RL00aef2d1	71842317	YP_277405.1	Emiliana huxleyi	ribosomal protein L2
RL00aef2d1	90994501	YP_536991.1	Porphyra yezoensis	ribosomal protein L2
RL00aef2d1	118411061	YP_874456.1	Phaeodactylum tricornutum	50S ribosomal protein L2
RL00aef2d1	118411193	YP_874587.1	Thalassiosira pseudonana	50S ribosomal protein L2
RL00aef2d1	149072012	YP_001293583.1	Rhodomonas salina	50S ribosomal protein L2
RL00aef2d1	189095431	YP_001936444.1	Heterosigma akashiwo	ribosomal protein L2
RL00aef2d1	209892900	YP_002290873.1	Babesia bovis T2Bo	rpl2
RL00aef2d1	215400769	YP_002327530.1	Vaucheria litorea	ribosomal protein L2
RL00aef2d1	242620045	YP_003002049.1	Aureococcus anophagefferens	50S ribosomal protein L2
RL00aef2d1	242624271	YP_003002189.1	Aureoumbra lagunensis	50S ribosomal protein L2
RL00aef2d1	269101054	YP_003289202.1	Ectocarpus siliculosus	50S ribosomal protein L2
RL00aef2d1	283794900	YP_003359253.1	Cryptomonas paramecium	ribosomal protein L2
RL00aef2d1	299830380	YP_003734595.1	Kryptoperidinium foliaceum	50S ribosomal protein L2
RL00aef2d1	299830601	YP_003735049.1	Durinskia baltica	50S ribosomal protein L2
RL00aef2d1	301500865	YP_003795277.1	Chromera velia	protein=ribosomal protein L2
RL00aef2d1	301500962	YP_003795427.1	Alveolata sp. CCMP3155	ribosomal protein L2
RL00aef2d1	315320567	YP_004072624.1	Thalassiosira oceanica CCMP1005	50S ribosomal protein L2
RL00aef2d1	330850881	YP_004376631.1	Fistulifera sp. JPCC DA0580	50S ribosomal protein L2
RL00aef2d2	11465426	NP_045183.1	Cyanidium caldarium	ribosomal protein S19
RL00aef2d2	11465776	NP_053920.1	Porphyra purpurea	ribosomal protein S19
RL00aef2d2	11467467	NP_043613.1	Odontella sinensis	ribosomal protein S19
RL00aef2d2	11467721	NP_050773.1	Guillardia theta	ribosomal protein S19
RL00aef2d2	11496538	NP_044548.1	Toxoplasma gondii RH	ribosomal protein S19

RL00aef2d2	30468186	NP_849073.1	Cyanidioschyzon merolae strain 10D	ribosomal protein S19
RL00aef2d2	31442367	NP_852624.1	Eimeria tenella strain Penn State	ribosomal protein S19
RL00aef2d2	51209939	YP_063603.1	Gracilaria tenuistipitata var. liui	ribosomal protein S19
RL00aef2d2	71025932	XP_762673.1	Theileria parva strain Muguga	protein S19
RL00aef2d2	71842318	YP_277406.1	Emiliana huxleyi	ribosomal protein S19
RL00aef2d2	90994500	YP_536990.1	Porphyra yezoensis	ribosomal protein S19
RL00aef2d2	118411062	YP_874457.1	Phaeodactylum tricornutum	30S ribosomal protein S19
RL00aef2d2	118411194	YP_874588.1	Thalassiosira pseudonana	30S ribosomal protein S19
RL00aef2d2	149072013	YP_001293584.1	Rhodomonas salina	ribosomal protein S19
RL00aef2d2	189095430	YP_001936443.1	Heterosigma akashiwo	ribosomal protein S19
RL00aef2d2	215400768	YP_002327529.1	Vaucheria litorea	ribosomal protein S19
RL00aef2d2	242620046	YP_003002050.1	Aureococcus anophagefferens	30S ribosomal protein S19
RL00aef2d2	242624272	YP_003002190.1	Aureoumbra lagunensis	30S ribosomal protein S19
RL00aef2d2	269101053	YP_003289201.1	Ectocarpus siliculosus	30S ribosomal protein S19
RL00aef2d2	283794901	YP_003359254.1	Cryptomonas paramecium	ribosomal protein S19
RL00aef2d2	299830381	YP_003734596.1	Kryptoperidinium foliaceum	ribosomal protein S19
RL00aef2d2	299830602	YP_003735050.1	Durinskia baltica	30S ribosomal protein S19
RL00aef2d2	301500866	YP_003795278.1	Chromera velia	ribosomal protein S19
RL00aef2d2	301500963	YP_003795428.1	Alveolata sp. CCMP3155	ribosomal protein S19
RL00aef2d2	315320568	YP_004072625.1	Thalassiosira oceanica CCMP1005	30S ribosomal protein S19
RL00aef2d2	330850880	YP_004376630.1	Fistulifera sp. JPCC DA0580	30S ribosomal protein S19

RL00aef2d3	11465427	NP_045182.1	Cyanidium caldarium	ribosomal protein L22
RL00aef2d3	11465775	NP_053919.1	Porphyra purpurea	ribosomal protein L22
RL00aef2d3	11467465	NP_043611.1	Odontella sinensis	ribosomal protein L22
RL00aef2d3	11467722	NP_050774.1	Guillardia theta	ribosomal protein L22
RL00aef2d3	30468187	NP_849074.1	Cyanidioschyzon merolae strain 10D	ribosomal protein L22
RL00aef2d3	51209938	YP_063602.1	Gracilaria tenuistipitata var. liui	ribosomal protein L22
RL00aef2d3	71842319	YP_277407.1	Emiliana huxleyi	ribosomal protein L22
RL00aef2d3	90994499	YP_536989.1	Porphyra yezoensis	ribosomal protein L22
RL00aef2d3	118411064	YP_874459.1	Phaeodactylum tricornutum	50S ribosomal protein L22
RL00aef2d3	118411196	YP_874590.1	Thalassiosira pseudonana	50S ribosomal protein L22
RL00aef2d3	149072014	YP_001293585.1	Rhodomonas salina	ribosomal protein L22
RL00aef2d3	189095429	YP_001936442.1	Heterosigma akashiwo	50S ribosomal protein L22
RL00aef2d3	215400767	YP_002327528.1	Vaucheria litorea	ribosomal protein L22
RL00aef2d3	242620047	YP_003002051.1	Aureococcus anophagefferens	50S ribosomal protein L22
RL00aef2d3	242624273	YP_003002191.1	Aureoumbra lagunensis	50S ribosomal protein L22
RL00aef2d3	269101052	YP_003289200.1	Ectocarpus siliculosus	50S ribosomal protein L22
RL00aef2d3	283794902	YP_003359255.1	Cryptomonas paramecium	ribosomal protein L22
RL00aef2d3	299830383	YP_003734598.1	Kryptoperidinium foliaceum	ribosomal protein L22
RL00aef2d3	299830604	YP_003735052.1	Durinskia baltica	50S ribosomal protein L22
RL00aef2d3	315320570	YP_004072627.1	Thalassiosira oceanica CCMP1005	50S ribosomal protein L22
RL00aef2d3	330850878	YP_004376628.1	Fistulifera sp. JPCC DA0580	50S ribosomal protein L22

RL00aef2d4	11465428	NP_045181.1	Cyanidium caldarium	ribosomal protein S3
RL00aef2d4	11465774	NP_053918.1	Porphyra purpurea	ribosomal protein S3
RL00aef2d4	11467723	NP_050775.1	Guillardia theta	ribosomal protein S3
RL00aef2d4	11496539	NP_044549.1	Toxoplasma gondii RH	ribosomal protein S3
RL00aef2d4	12751545	NP_043610.2	Odontella sinensis	ribosomal protein S3
RL00aef2d4	30468188	NP_849075.1	Cyanidioschyzon merolae strain 10D	ribosomal protein S3
RL00aef2d4	51209937	YP_063601.1	Gracilaria tenuistipitata var. liui	ribosomal protein S3
RL00aef2d4	71025934	XP_762674.1	Theileria parva strain Muguga	ribosomal protein S3
RL00aef2d4	71842320	YP_277408.1	Emiliana huxleyi	ribosomal protein S3
RL00aef2d4	90994498	YP_536988.1	Porphyra yezoensis	ribosomal protein S3
RL00aef2d4	118411065	YP_874460.1	Phaeodactylum tricornutum	30S ribosomal protein S3
RL00aef2d4	118411197	YP_874591.1	Thalassiosira pseudonana	30S ribosomal protein S3
RL00aef2d4	149072015	YP_001293586.1	Rhodomonas salina	30S ribosomal protein S3
RL00aef2d4	189095428	YP_001936441.1	Heterosigma akashiwo	30S ribosomal protein S3
RL00aef2d4	209892899	YP_002290872.1	Babesia bovis T2Bo	rps3
RL00aef2d4	215400766	YP_002327527.1	Vaucheria litorea	ribosomal protein S3
RL00aef2d4	242620048	YP_003002052.1	Aureococcus anophagefferens	30S ribosomal protein S3
RL00aef2d4	242624274	YP_003002192.1	Aureoumbra lagunensis	30S ribosomal protein S3
RL00aef2d4	269101051	YP_003289199.1	Ectocarpus siliculosus	30S ribosomal protein S3
RL00aef2d4	283794903	YP_003359256.1	Cryptomonas paramecium	ribosomal protein S3
RL00aef2d4	299830384	YP_003734599.1	Kryptoperidinium foliaceum	ribosomal protein S3
RL00aef2d4	299830605	YP_003735053.1	Durinskia baltica	30S ribosomal protein S3
RL00aef2d4	301088585	NP_852625.2	Eimeria tenella strain Penn State	ribosomal protein S3
RL00aef2d4	301500964	YP_003795429.1	Alveolata sp. CCMP3155	ribosomal protein S3
RL00aef2d4	315320571	YP_004072628.1	Thalassiosira oceanica CCMP1005	30S ribosomal protein S3
RL00aef2d4	330850877	YP_004376627.1	Fistulifera sp. JPCC DA0580	30S ribosomal protein S3
RL00aef2d5	11465429	NP_045180.1	Cyanidium caldarium	ribosomal protein L16
RL00aef2d5	11465773	NP_053917.1	Porphyra purpurea	ribosomal protein L16
RL00aef2d5	11467463	NP_043609.1	Odontella sinensis	ribosomal protein L16
RL00aef2d5	11467724	NP_050776.1	Guillardia theta	ribosomal protein L16
RL00aef2d5	11496540	NP_044550.1	Toxoplasma gondii RH	ribosomal protein L16
RL00aef2d5	30468189	NP_849076.1	Cyanidioschyzon merolae strain 10D	ribosomal protein L16
RL00aef2d5	31442369	NP_852626.1	Eimeria tenella strain Penn State	ribosomal protein L16
RL00aef2d5	51209936	YP_063600.1	Gracilaria tenuistipitata var. liui	ribosomal protein L16
RL00aef2d5	71025936	XP_762675.1	Theileria parva strain Muguga	ribosomal protein L16
RL00aef2d5	71842321	YP_277409.1	Emiliana huxleyi	ribosomal protein L16
RL00aef2d5	90994497	YP_536987.1	Porphyra yezoensis	ribosomal protein L16
RL00aef2d5	118411066	YP_874461.1	Phaeodactylum tricornutum	50S ribosomal protein L16
RL00aef2d5	118411198	YP_874592.1	Thalassiosira pseudonana	50S ribosomal protein L16
RL00aef2d5	149072016	YP_001293587.1	Rhodomonas salina	50S ribosomal protein L16
RL00aef2d5	189095427	YP_001936440.1	Heterosigma akashiwo	ribosomal protein L16

RL00aef2d5	209892898	YP_002290871.1	Babesia bovis T2Bo	rpl16
RL00aef2d5	215400765	YP_002327526.1	Vaucheria litorea	ribosomal protein L16
RL00aef2d5	242620049	YP_003002053.1	Aureococcus anophagefferens	50S ribosomal protein L16
RL00aef2d5	242624275	YP_003002193.1	Aureoumbra lagunensis	50S ribosomal protein L16
RL00aef2d5	269101050	YP_003289198.1	Ectocarpus siliculosus	50S ribosomal protein L16
RL00aef2d5	283794904	YP_003359257.1	Cryptomonas paramecium	ribosomal protein L16
RL00aef2d5	299830385	YP_003734600.1	Kryptoperidinium foliaceum	50S ribosomal protein L16
RL00aef2d5	299830606	YP_003735054.1	Durinskia baltica	50S ribosomal protein L16
RL00aef2d5	301500904	YP_003795316.1	Chromera velia	ribosomal protein L16
RL00aef2d5	301500965	YP_003795430.1	Alveolata sp. CCMP3155	ribosomal protein L16
RL00aef2d5	315320572	YP_004072629.1	Thalassiosira oceanica CCMP1005	50S ribosomal protein L16
RL00aef2d5	330850876	YP_004376626.1	Fistulifera sp. JPCC DA0580	50S ribosomal protein L16
RL00aef2d6	11465430	NP_045179.1	Cyanidium caldarium	ribosomal protein L29
RL00aef2d6	11465772	NP_053916.1	Porphyra purpurea	ribosomal protein L29
RL00aef2d6	11467462	NP_043608.1	Odontella sinensis	ribosomal protein L29
RL00aef2d6	11467725	NP_050777.1	Guillardia theta	ribosomal protein L29
RL00aef2d6	11496553	NP_044565.1	Toxoplasma gondii RH	ORF C
RL00aef2d6	51209935	YP_063599.1	Gracilaria tenuistipitata var. liui	ribosomal protein L29
RL00aef2d6	90994496	YP_536986.1	Porphyra yezoensis	ribosomal protein L29
RL00aef2d6	118411067	YP_874462.1	Phaeodactylum tricornutum	50S ribosomal protein L29
RL00aef2d6	118411199	YP_874593.1	Thalassiosira pseudonana	50S ribosomal protein L29
RL00aef2d6	149072017	YP_001293588.1	Rhodomonas salina	ribosomal protein L29
RL00aef2d6	189095426	YP_001936439.1	Heterosigma akashiwo	50S ribosomal protein L29
RL00aef2d6	215400764	YP_002327525.1	Vaucheria litorea	ribosomal protein L29
RL00aef2d6	269101049	YP_003289197.1	Ectocarpus siliculosus	50S ribosomal protein L29
RL00aef2d6	283794905	YP_003359258.1	Cryptomonas paramecium	ribosomal protein L29
RL00aef2d6	299830386	YP_003734601.1	Kryptoperidinium foliaceum	50S ribosomal protein L29
RL00aef2d6	299830607	YP_003735055.1	Durinskia baltica	50S ribosomal protein L29
RL00aef2d6	315320573	YP_004072630.1	Thalassiosira oceanica CCMP1005	50S ribosomal protein L29
RL00aef2d6	330850875	YP_004376625.1	Fistulifera sp. JPCC DA0580	50S ribosomal protein L29
RL00aef2d7	11465431	NP_045178.1	Cyanidium caldarium	ribosomal protein S17
RL00aef2d7	11465771	NP_053915.1	Porphyra purpurea	ribosomal protein S17
RL00aef2d7	11467461	NP_043607.1	Odontella sinensis	ribosomal protein S17
RL00aef2d7	11467726	NP_050778.1	Guillardia theta	ribosomal protein S17
RL00aef2d7	11496541	NP_044551.1	Toxoplasma gondii RH	ribosomal protein S17
RL00aef2d7	30468191	NP_849078.1	Cyanidioschyzon merolae strain 10D	ribosomal protein S17
RL00aef2d7	31442370	NP_852627.1	Eimeria tenella strain Penn State	ribosomal protein S17
RL00aef2d7	51209934	YP_063598.1	Gracilaria tenuistipitata var. liui	ribosomal protein S17
RL00aef2d7	71025938	XP_762676.1	Theileria parva strain Muguga	hypothetical protein
RL00aef2d7	71842322	YP_277410.1	Emiliania huxleyi	ribosomal protein S17
RL00aef2d7	90994495	YP_536985.1	Porphyra yezoensis	ribosomal protein S17

RL00aef2d7	118411068	YP_874463.1	Phaeodactylum tricornutum	30S ribosomal protein S17
RL00aef2d7	118411200	YP_874594.1	Thalassiosira pseudonana	30S ribosomal protein S17
RL00aef2d7	149072018	YP_001293589.1	Rhodomonas salina	ribosomal protein S17
RL00aef2d7	189095425	YP_001936438.1	Heterosigma akashiwo	ribosomal protein S17
RL00aef2d7	215400763	YP_002327524.1	Vaucheria litorea	ribosomal protein S17
RL00aef2d7	242620050	YP_003002054.1	Aureococcus anophagefferens	30S ribosomal protein S17
RL00aef2d7	242624276	YP_003002194.1	Aureoumbra lagunensis	30S ribosomal protein S17
RL00aef2d7	269101048	YP_003289196.1	Ectocarpus siliculosus	30S ribosomal protein S17
RL00aef2d7	283794906	YP_003359259.1	Cryptomonas paramecium	ribosomal protein S17
RL00aef2d7	299830387	YP_003734602.1	Kryptoperidinium foliaceum	ribosomal protein S17
RL00aef2d7	299830608	YP_003735056.1	Durinskia baltica	30S ribosomal protein S17
RL00aef2d7	301500966	YP_003795431.1	Alveolata sp. CCMP3155	ribosomal protein S17
RL00aef2d7	315320574	YP_004072631.1	Thalassiosira oceanica CCMP1005	30S ribosomal protein S17
RL00aef2d7	330850874	YP_004376624.1	Fistulifera sp. JPCC DA0580	30S ribosomal protein S17
RL00aef2d8	11465432	NP_045177.1	Cyanidium caldarium	ribosomal protein L14
RL00aef2d8	11465770	NP_053914.1	Porphyra purpurea	ribosomal protein L14
RL00aef2d8	11467460	NP_043606.1	Odontella sinensis	ribosomal protein L14
RL00aef2d8	11467727	NP_050779.1	Guillardia theta	ribosomal protein L14
RL00aef2d8	11496542	NP_044552.1	Toxoplasma gondii RH	ribosomal protein L14
RL00aef2d8	30468192	NP_849079.1	Cyanidioschyzon merolae strain 10D	ribosomal protein L14
RL00aef2d8	31442371	NP_852628.1	Eimeria tenella strain Penn State	ribosomal protein L14
RL00aef2d8	51209933	YP_063597.1	Gracilaria tenuistipitata var. liui	ribosomal protein L14
RL00aef2d8	71025941	XP_762677.1	Theileria parva strain Muguga	ribosomal protein L14
RL00aef2d8	71842323	YP_277411.1	Emiliania huxleyi	ribosomal protein L14
RL00aef2d8	90994494	YP_536984.1	Porphyra yezoensis	ribosomal protein L14
RL00aef2d8	118411069	YP_874464.1	Phaeodactylum tricornutum	50S ribosomal protein L14
RL00aef2d8	118411201	YP_874595.1	Thalassiosira pseudonana	50S ribosomal protein L14
RL00aef2d8	149072019	YP_001293590.1	Rhodomonas salina	ribosomal protein L14
RL00aef2d8	189095424	YP_001936437.1	Heterosigma akashiwo	ribosomal protein L14
RL00aef2d8	209892897	YP_002290870.1	Babesia bovis T2Bo	rpl14
RL00aef2d8	215400762	YP_002327523.1	Vaucheria litorea	ribosomal protein L14
RL00aef2d8	242620051	YP_003002055.1	Aureococcus anophagefferens	50S ribosomal protein L14
RL00aef2d8	242624277	YP_003002195.1	Aureoumbra lagunensis	50S ribosomal protein L14
RL00aef2d8	269101047	YP_003289195.1	Ectocarpus siliculosus	50S ribosomal protein L14
RL00aef2d8	283794907	YP_003359260.1	Cryptomonas paramecium	ribosomal protein L14
RL00aef2d8	299830388	YP_003734603.1	Kryptoperidinium foliaceum	ribosomal protein L14
RL00aef2d8	299830609	YP_003735057.1	Durinskia baltica	50S ribosomal protein L14
RL00aef2d8	301500906	YP_003795318.1	Chromera velia	ribosomal protein L14
RL00aef2d8	301500967	YP_003795432.1	Alveolata sp. CCMP3155	ribosomal protein L14
RL00aef2d8	315320575	YP_004072632.1	Thalassiosira oceanica CCMP1005	50S ribosomal protein L14
RL00aef2d8	330850873	YP_004376623.1	Fistulifera sp. JPCC DA0580	50S ribosomal protein L14

RL00aef2d9	11465433	NP_045176.1	Cyanidium caldarium	ribosomal protein L24
RL00aef2d9	11465769	NP_053913.1	Porphyra purpurea	ribosomal protein L24
RL00aef2d9	11467459	NP_043605.1	Odontella sinensis	ribosomal protein L24
RL00aef2d9	11467728	NP_050780.1	Guillardia theta	ribosomal protein L24
RL00aef2d9	30468193	NP_849080.1	Cyanidioschyzon merolae strain 10D	ribosomal protein L24
RL00aef2d9	51209932	YP_063596.1	Gracilaria tenuistipitata var. liui	ribosomal protein L24
RL00aef2d9	90994493	YP_536983.1	Porphyra yezoensis	ribosomal protein L24
RL00aef2d9	118411070	YP_874465.1	Phaeodactylum tricornutum	50S ribosomal protein L24
RL00aef2d9	118411202	YP_874596.1	Thalassiosira pseudonana	50S ribosomal protein L24
RL00aef2d9	149072020	YP_001293591.1	Rhodomonas salina	ribosomal protein L24
RL00aef2d9	189095423	YP_001936436.1	Heterosigma akashiwo	ribosomal protein L24
RL00aef2d9	215400761	YP_002327522.1	Vaucheria litorea	ribosomal protein L24
RL00aef2d9	242620052	YP_003002056.1	Aureococcus anophagefferens	50S ribosomal protein L24
RL00aef2d9	242624278	YP_003002196.1	Aureoumbra lagunensis	50S ribosomal protein L24
RL00aef2d9	269101046	YP_003289194.1	Ectocarpus siliculosus	50S ribosomal protein L24
RL00aef2d9	283794908	YP_003359261.1	Cryptomonas paramecium	ribosomal protein L24
RL00aef2d9	299830389	YP_003734604.1	Kryptoperidinium foliaceum	ribosomal protein L24
RL00aef2d9	299830610	YP_003735058.1	Durinskia baltica	50S ribosomal protein L24
RL00aef2d9	315320576	YP_004072633.1	Thalassiosira oceanica CCMP1005	50S ribosomal protein L24
RL00aef2d9	330850872	YP_004376622.1	Fistulifera sp. JPCC DA0580	50S ribosomal protein L24

RL00aef2da	11465434	NP_045175.1	Cyanidium caldarium	ribosomal protein L5
RL00aef2da	11465768	NP_053912.1	Porphyra purpurea	ribosomal protein L5
RL00aef2da	11467729	NP_050781.1	Guillardia theta	ribosomal protein L5
RL00aef2da	30468194	NP_849081.1	Cyanidioschyzon merolae strain 10D	ribosomal protein L5
RL00aef2da	51209931	YP_063595.1	Gracilaria tenuistipitata var. liui	ribosomal protein L5
RL00aef2da	71842324	YP_277412.1	Emiliania huxleyi	ribosomal protein L5
RL00aef2da	90994492	YP_536982.1	Porphyra yezoensis	ribosomal protein L5
RL00aef2da	118411071	YP_874466.1	Phaeodactylum tricornutum	50S ribosomal protein L5
RL00aef2da	118411203	YP_874597.1	Thalassiosira pseudonana	50S ribosomal protein L5
RL00aef2da	126022787	NP_043604.2	Odontella sinensis	ribosomal protein L5
RL00aef2da	149072021	YP_001293592.1	Rhodomonas salina	ribosomal protein L5
RL00aef2da	189095422	YP_001936435.1	Heterosigma akashiwo	ribosomal protein L5
RL00aef2da	215400760	YP_002327521.1	Vaucheria litorea	ribosomal protein L5
RL00aef2da	242620053	YP_003002057.1	Aureococcus anophagefferens	50S ribosomal protein L5
RL00aef2da	242624279	YP_003002197.1	Aureoumbra lagunensis	50S ribosomal protein L5
RL00aef2da	269101045	YP_003289193.1	Ectocarpus siliculosus	50S ribosomal protein L5
RL00aef2da	283794909	YP_003359262.1	Cryptomonas paramecium	ribosomal protein L5
RL00aef2da	299830390	YP_003734605.1	Kryptoperidinium foliaceum	ribosomal protein L5
RL00aef2da	299830611	YP_003735059.1	Durinskia baltica	50S ribosomal protein L5
RL00aef2da	301500907	YP_003795319.1	Chromera velia	ribosomal protein L5
RL00aef2da	301500968	YP_003795433.1	Alveolata sp. CCMP3155	ribosomal protein L5
RL00aef2da	315320577	YP_004072634.1	Thalassiosira oceanica CCMP1005	50S ribosomal protein L5

RL00aef2da	330850871	YP_004376621.1	Fistulifera sp. JPCC DA0580	50S ribosomal protein L5
RL00aef2db	11465435	NP_045174.1	Cyanidium caldarium	ribosomal protein S8
RL00aef2db	11465767	NP_053911.1	Porphyra purpurea	ribosomal protein S8
RL00aef2db	11467457	NP_043603.1	Odontella sinensis	ribosomal protein S8
RL00aef2db	11467730	NP_050782.1	Guillardia theta	ribosomal protein S8
RL00aef2db	31442372	NP_852629.1	Eimeria tenella strain Penn State	ribosomal protein S8
RL00aef2db	51209930	YP_063594.1	Gracilaria tenuistipitata var. liui	ribosomal protein S8
RL00aef2db	71025947	XP_762680.1	Theileria parva strain Muguga	ribosomal protein S8
RL00aef2db	71842325	YP_277413.1	Emiliana huxleyi	ribosomal protein S8
RL00aef2db	90994491	YP_536981.1	Porphyra yezoensis	ribosomal protein S8
RL00aef2db	118411072	YP_874467.1	Phaeodactylum tricornutum	30S ribosomal protein S8
RL00aef2db	118411204	YP_874598.1	Thalassiosira pseudonana	30S ribosomal protein S8
RL00aef2db	126165894	NP_849082.2	Cyanidioschyzon merolae strain 10D	ribosomal protein S8
RL00aef2db	149072022	YP_001293593.1	Rhodomonas salina	ribosomal protein S8
RL00aef2db	189095421	YP_001936434.1	Heterosigma akashiwo	ribosomal protein S8
RL00aef2db	209892895	YP_002290868.1	Babesia bovis T2Bo	rps8
RL00aef2db	215400759	YP_002327520.1	Vaucheria litorea	ribosomal protein S8
RL00aef2db	242620054	YP_003002058.1	Aureococcus anophagefferens	30S ribosomal protein S8
RL00aef2db	242624280	YP_003002198.1	Aureoumbra lagunensis	30S ribosomal protein S8
RL00aef2db	269101044	YP_003289192.1	Ectocarpus siliculosus	30S ribosomal protein S8
RL00aef2db	283794910	YP_003359263.1	Cryptomonas paramecium	ribosomal protein S8
RL00aef2db	299830391	YP_003734606.1	Kryptoperidinium foliaceum	30S ribosomal protein S8
RL00aef2db	299830612	YP_003735060.1	Durinskia baltica	30S ribosomal protein S8
RL00aef2db	301500969	YP_003795434.1	Alveolata sp. CCMP3155	ribosomal protein S8
RL00aef2db	315320578	YP_004072635.1	Thalassiosira oceanica CCMP1005	30S ribosomal protein S8
RL00aef2db	330850870	YP_004376620.1	Fistulifera sp. JPCC DA0580	30S ribosomal protein S8
RL00aef2dc	11465436	NP_045173.1	Cyanidium caldarium	ribosomal protein L6
RL00aef2dc	11465766	NP_053910.1	Porphyra purpurea	ribosomal protein L6
RL00aef2dc	11467456	NP_043602.1	Odontella sinensis	ribosomal protein L6
RL00aef2dc	11467731	NP_050783.1	Guillardia theta	ribosomal protein L6
RL00aef2dc	11496543	NP_044553.1	Toxoplasma gondii RH	ribosomal protein L6
RL00aef2dc	30468196	NP_849083.1	Cyanidioschyzon merolae strain 10D	ribosomal protein L6
RL00aef2dc	31442373	NP_852630.1	Eimeria tenella strain Penn State	ribosomal protein L6
RL00aef2dc	51209929	YP_063593.1	Gracilaria tenuistipitata var. liui	ribosomal protein L6
RL00aef2dc	71025949	XP_762681.1	Theileria parva strain Muguga	ribosomal protein L6
RL00aef2dc	71842326	YP_277414.1	Emiliana huxleyi	ribosomal protein L6
RL00aef2dc	90994490	YP_536980.1	Porphyra yezoensis	ribosomal protein L6
RL00aef2dc	118411073	YP_874468.1	Phaeodactylum tricornutum	50S ribosomal protein L6
RL00aef2dc	118411205	YP_874599.1	Thalassiosira pseudonana	50S ribosomal protein L6
RL00aef2dc	149072023	YP_001293594.1	Rhodomonas salina	ribosomal protein L6
RL00aef2dc	189095420	YP_001936433.1	Heterosigma akashiwo	ribosomal protein L6

RL00aef2dc	209892894	YP_002290867.1	Babesia bovis T2Bo	rp16
RL00aef2dc	215400758	YP_002327519.1	Vaucheria litorea	ribosomal protein L6
RL00aef2dc	242620055	YP_003002059.1	Aureococcus anophagefferens	50S ribosomal protein L6
RL00aef2dc	242624281	YP_003002199.1	Aureoumbra lagunensis	50S ribosomal protein L6
RL00aef2dc	269101043	YP_003289191.1	Ectocarpus siliculosus	50S ribosomal protein L6
RL00aef2dc	283794911	YP_003359264.1	Cryptomonas paramecium	ribosomal protein L6
RL00aef2dc	299830392	YP_003734607.1	Kryptoperidinium foliaceum	ribosomal protein L6
RL00aef2dc	299830613	YP_003735061.1	Durinskia baltica	50S ribosomal protein L6
RL00aef2dc	301500909	YP_003795321.1	Chromera velia	ribosomal protein L6
RL00aef2dc	301500970	YP_003795435.1	Alveolata sp. CCMP3155	ribosomal protein L6
RL00aef2dc	315320579	YP_004072636.1	Thalassiosira oceanica CCMP1005	50S ribosomal protein L6
RL00aef2dc	330850869	YP_004376619.1	Fistulifera sp. JPCC DA0580	50S ribosomal protein L6
RL00aef2dd	11465437	NP_045172.1	Cyanidium caldarium	ribosomal protein L18
RL00aef2dd	11465765	NP_053909.1	Porphyra purpurea	ribosomal protein L18
RL00aef2dd	11467455	NP_043601.1	Odontella sinensis	ribosomal protein L18
RL00aef2dd	11467732	NP_050784.1	Guillardia theta	ribosomal protein L18
RL00aef2dd	30468197	NP_849084.1	Cyanidioschyzon merolae strain 10D	ribosomal protein L18
RL00aef2dd	51209928	YP_063592.1	Gracilaria tenuistipitata var. liui	ribosomal protein L18
RL00aef2dd	90994489	YP_536979.1	Porphyra yezoensis	ribosomal protein L18
RL00aef2dd	118411074	YP_874469.1	Phaeodactylum tricornutum	50S ribosomal protein L18
RL00aef2dd	118411206	YP_874600.1	Thalassiosira pseudonana	50S ribosomal protein L18
RL00aef2dd	149072024	YP_001293595.1	Rhodomonas salina	ribosomal protein L18
RL00aef2dd	189095419	YP_001936432.1	Heterosigma akashiwo	ribosomal protein L18
RL00aef2dd	215400757	YP_002327518.1	Vaucheria litorea	ribosomal protein L18
RL00aef2dd	269101042	YP_003289190.1	Ectocarpus siliculosus	50S ribosomal protein L18
RL00aef2dd	283794912	YP_003359265.1	Cryptomonas paramecium	ribosomal protein L18
RL00aef2dd	299830393	YP_003734608.1	Kryptoperidinium foliaceum	ribosomal protein L18
RL00aef2dd	299830614	YP_003735062.1	Durinskia baltica	50S ribosomal protein L18
RL00aef2dd	315320580	YP_004072637.1	Thalassiosira oceanica CCMP1005	50S ribosomal protein L18
RL00aef2dd	330850868	YP_004376618.1	Fistulifera sp. JPCC DA0580	50S ribosomal protein L18
RL00aef2de	11465438	NP_045171.1	Cyanidium caldarium	ribosomal protein S5
RL00aef2de	11465764	NP_053908.1	Porphyra purpurea	ribosomal protein S5
RL00aef2de	11467454	NP_043600.1	Odontella sinensis	ribosomal protein S5
RL00aef2de	11467733	NP_050785.1	Guillardia theta	ribosomal protein S5
RL00aef2de	30468198	NP_849085.1	Cyanidioschyzon merolae strain 10D	ribosomal protein S5
RL00aef2de	51209927	YP_063591.1	Gracilaria tenuistipitata var. liui	ribosomal protein S5
RL00aef2de	71842327	YP_277415.1	Emiliania huxleyi	ribosomal protein S5
RL00aef2de	90994488	YP_536978.1	Porphyra yezoensis	ribosomal protein S5
RL00aef2de	118411075	YP_874470.1	Phaeodactylum tricornutum	30S ribosomal protein S5
RL00aef2de	118411207	YP_874601.1	Thalassiosira pseudonana	30S ribosomal protein S5
RL00aef2de	149072025	YP_001293596.1	Rhodomonas salina	ribosomal protein S5

RL00aef2de	189095418	YP_001936431.1	Heterosigma akashiwo	ribosomal protein S5
RL00aef2de	215400756	YP_002327517.1	Vaucheria litorea	ribosomal protein S5
RL00aef2de	242620056	YP_003002060.1	Aureococcus anophagefferens	30S ribosomal protein S5
RL00aef2de	242624282	YP_003002200.1	Aureoumbra lagunensis	30S ribosomal protein S5
RL00aef2de	269101041	YP_003289189.1	Ectocarpus siliculosus	30S ribosomal protein S5
RL00aef2de	283794913	YP_003359266.1	Cryptomonas paramecium	ribosomal protein S5
RL00aef2de	299830394	YP_003734609.1	Kryptoperidinium foliaceum	ribosomal protein S5
RL00aef2de	299830615	YP_003735063.1	Durinskia baltica	30S ribosomal protein S5
RL00aef2de	315320581	YP_004072638.1	Thalassiosira oceanica CCMP1005	30S ribosomal protein S5
RL00aef2de	330850867	YP_004376617.1	Fistulifera sp. JPCC DA0580	30S ribosomal protein S5
RL00aef2df	11465439	NP_045170.1	Cyanidium caldarium	preprotein translocase subunit SecY
RL00aef2df	11465763	NP_053907.1	Porphyra purpurea	preprotein translocase subunit SecY
RL00aef2df	11467453	NP_043599.1	Odontella sinensis	preprotein translocase subunit SecY
RL00aef2df	11467734	NP_050786.1	Guillardia theta	preprotein translocase subunit SecY
RL00aef2df	30468199	NP_849086.1	Cyanidioschyzon merolae strain 10D	preprotein translocase subunit SecY
RL00aef2df	51209926	YP_063590.1	Gracilaria tenuistipitata var. liui	preprotein translocase subunit SecY
RL00aef2df	71842328	YP_277416.1	Emiliania huxleyi	preprotein translocase subunit SecY
RL00aef2df	90994487	YP_536977.1	Porphyra yezoensis	preprotein translocase subunit SecY
RL00aef2df	118411076	YP_874471.1	Phaeodactylum tricornutum	preprotein translocase subunit secY
RL00aef2df	118411208	YP_874602.1	Thalassiosira pseudonana	preprotein translocase subunit secY
RL00aef2df	149072026	YP_001293597.1	Rhodomonas salina	preprotein translocase subunit SecY
RL00aef2df	189095417	YP_001936430.1	Heterosigma akashiwo	preprotein translocase subunit SecY
RL00aef2df	215400755	YP_002327516.1	Vaucheria litorea	preprotein-translocase subunit Y
RL00aef2df	242620057	YP_003002061.1	Aureococcus anophagefferens	preprotein translocase subunit secY
RL00aef2df	242624283	YP_003002201.1	Aureoumbra lagunensis	preprotein translocase subunit secY
RL00aef2df	269101040	YP_003289188.1	Ectocarpus siliculosus	Preprotein translocase secY subunit
RL00aef2df	283794914	YP_003359267.1	Cryptomonas paramecium	preprotein translocase subunit SecY
RL00aef2df	299830395	YP_003734610.1	Kryptoperidinium foliaceum	preprotein translocase subunit SecY
RL00aef2df	299830616	YP_003735064.1	Durinskia baltica	preprotein translocase subunit SecY
RL00aef2df	301500910	YP_003795322.1	Chromera velia	preprotein translocase subunit SecY
RL00aef2df	301500971	YP_003795436.1	Alveolata sp. CCMP3155	preprotein translocase subunit SecY
RL00aef2df	315320582	YP_004072639.1	Thalassiosira oceanica CCMP1005	preprotein translocase protein SecY
RL00aef2df	330850866	YP_004376616.1	Fistulifera sp. JPCC DA0580	preprotein translocase subunit SecY
RL00aef2e0	11465440	NP_045169.1	Cyanidium caldarium	ribosomal protein L36
RL00aef2e0	11465762	NP_053906.1	Porphyra purpurea	ribosomal protein L36
RL00aef2e0	11467452	NP_043598.1	Odontella sinensis	ribosomal protein L36
RL00aef2e0	11467735	NP_050787.1	Guillardia theta	ribosomal protein L36
RL00aef2e0	11496545	NP_044555.1	Toxoplasma gondii RH	ribosomal protein L36
RL00aef2e0	30468200	NP_849087.1	Cyanidioschyzon merolae strain 10D	ribosomal protein L36
RL00aef2e0	51209925	YP_063589.1	Gracilaria tenuistipitata var. liui	ribosomal protein L36
RL00aef2e0	71025956	XP_762684.1	Theileria parva strain Muguga	ribosomal protein L36

RL00aef2e0	71842329	YP_277417.1	<i>Emiliania huxleyi</i>	ribosomal protein L36
RL00aef2e0	90994486	YP_536976.1	<i>Porphyra yezoensis</i>	ribosomal protein L36
RL00aef2e0	118411077	YP_874472.1	<i>Phaeodactylum tricornutum</i>	50S ribosomal protein L36
RL00aef2e0	118411209	YP_874603.1	<i>Thalassiosira pseudonana</i>	50S ribosomal protein L36
RL00aef2e0	149072027	YP_001293598.1	<i>Rhodomonas salina</i>	ribosomal protein L36
RL00aef2e0	189095416	YP_001936429.1	<i>Heterosigma akashiwo</i>	ribosomal protein L36
RL00aef2e0	215400754	YP_002327515.1	<i>Vaucheria litorea</i>	ribosomal protein L36
RL00aef2e0	242620058	YP_003002062.1	<i>Aureococcus anophagefferens</i>	50S ribosomal protein L36
RL00aef2e0	242624284	YP_003002202.1	<i>Aureoumbra lagunensis</i>	50S ribosomal protein L36
RL00aef2e0	269101039	YP_003289187.1	<i>Ectocarpus siliculosus</i>	50S ribosomal protein L36
RL00aef2e0	283794915	YP_003359268.1	<i>Cryptomonas paramecium</i>	ribosomal protein L36
RL00aef2e0	299830396	YP_003734611.1	<i>Kryptoperidinium foliaceum</i>	ribosomal protein L36
RL00aef2e0	299830617	YP_003735065.1	<i>Durinskia baltica</i>	50S ribosomal protein L36
RL00aef2e0	301500875	YP_003795287.1	<i>Chromera velia</i>	ribosomal protein L36
RL00aef2e0	301500974	YP_003795439.1	<i>Alveolata</i> sp. CCMP3155	ribosomal protein L36
RL00aef2e0	315320583	YP_004072640.1	<i>Thalassiosira oceanica</i> CCMP1005	50S ribosomal protein L36
RL00aef2e0	330850865	YP_004376615.1	<i>Fistulifera</i> sp. JPCC DA0580	50S ribosomal protein L36
RL00aef2e1	11465441	NP_045168.1	<i>Cyanidium caldarium</i>	ribosomal protein S13
RL00aef2e1	11465761	NP_053905.1	<i>Porphyra purpurea</i>	ribosomal protein S13
RL00aef2e1	11467736	NP_050788.1	<i>Guillardia theta</i>	ribosomal protein S13
RL00aef2e1	12751544	NP_043597.2	<i>Odontella sinensis</i>	ribosomal protein S13
RL00aef2e1	30468201	NP_849088.1	<i>Cyanidioschyzon merolae</i> strain 10D	ribosomal protein S13
RL00aef2e1	51209924	YP_063588.1	<i>Gracilaria tenuistipitata</i> var. <i>liui</i>	ribosomal protein S13
RL00aef2e1	71842330	YP_277418.1	<i>Emiliania huxleyi</i>	ribosomal protein S13
RL00aef2e1	90994485	YP_536975.1	<i>Porphyra yezoensis</i>	ribosomal protein S13
RL00aef2e1	118411078	YP_874473.1	<i>Phaeodactylum tricornutum</i>	30S ribosomal protein S13
RL00aef2e1	118411210	YP_874604.1	<i>Thalassiosira pseudonana</i>	30S ribosomal protein S13
RL00aef2e1	149072028	YP_001293599.1	<i>Rhodomonas salina</i>	ribosomal protein S13
RL00aef2e1	189095415	YP_001936428.1	<i>Heterosigma akashiwo</i>	ribosomal protein S13
RL00aef2e1	215400753	YP_002327514.1	<i>Vaucheria litorea</i>	ribosomal protein S13
RL00aef2e1	242620059	YP_003002063.1	<i>Aureococcus anophagefferens</i>	30S ribosomal protein S13
RL00aef2e1	242624285	YP_003002203.1	<i>Aureoumbra lagunensis</i>	30S ribosomal protein S13
RL00aef2e1	269101038	YP_003289186.1	<i>Ectocarpus siliculosus</i>	30S ribosomal protein S13
RL00aef2e1	283794916	YP_003359269.1	<i>Cryptomonas paramecium</i>	ribosomal protein S13
RL00aef2e1	299830397	YP_003734612.1	<i>Kryptoperidinium foliaceum</i>	ribosomal protein S13
RL00aef2e1	299830618	YP_003735066.1	<i>Durinskia baltica</i>	30S ribosomal protein S13
RL00aef2e1	301500879	YP_003795291.1	<i>Chromera velia</i>	ribosomal protein S13
RL00aef2e1	301500973	YP_003795438.1	<i>Alveolata</i> sp. CCMP3155	ribosomal protein S13
RL00aef2e1	315320584	YP_004072641.1	<i>Thalassiosira oceanica</i> CCMP1005	30S ribosomal protein S13
RL00aef2e1	330850864	YP_004376614.1	<i>Fistulifera</i> sp. JPCC DA0580	30S ribosomal protein S13
RL00aef2e2	11465442	NP_045167.1	<i>Cyanidium caldarium</i>	ribosomal protein S11

RL00aef2e2	11465760	NP_053904.1	Porphyra purpurea	ribosomal protein S11
RL00aef2e2	11467450	NP_043596.1	Odontella sinensis	ribosomal protein S11
RL00aef2e2	11467737	NP_050789.1	Guillardia theta	ribosomal protein S11
RL00aef2e2	11496559	NP_044556.1	Toxoplasma gondii RH	ribosomal protein S11
RL00aef2e2	30468202	NP_849089.1	Cyanidioschyzon merolae strain 10D	ribosomal protein S11
RL00aef2e2	31442376	NP_852633.1	Eimeria tenella strain Penn State	ribosomal protein S11
RL00aef2e2	51209923	YP_063587.1	Gracilaria tenuistipitata var. liui	ribosomal protein S11
RL00aef2e2	71025958	XP_762685.1	Theileria parva	ribosomal protein S11
RL00aef2e2	71842331	YP_277419.1	Emiliana huxleyi	ribosomal protein S11
RL00aef2e2	90994484	YP_536974.1	Porphyra yezoensis	ribosomal protein S11
RL00aef2e2	118411079	YP_874474.1	Phaeodactylum tricornutum	30S ribosomal protein S11
RL00aef2e2	118411211	YP_874605.1	Thalassiosira pseudonana	30S ribosomal protein S11
RL00aef2e2	149072029	YP_001293600.1	Rhodomonas salina	ribosomal protein S11
RL00aef2e2	189095414	YP_001936427.1	Heterosigma akashiwo	ribosomal protein S11
RL00aef2e2	209892892	YP_002290865.1	Babesia bovis T2Bo	rps11
RL00aef2e2	215400752	YP_002327513.1	Vaucheria litorea	ribosomal protein S11
RL00aef2e2	242620060	YP_003002064.1	Aureococcus anophagefferens	30S ribosomal protein S11
RL00aef2e2	242624286	YP_003002204.1	Aureoumbra lagunensis	30S ribosomal protein S11
RL00aef2e2	269101037	YP_003289185.1	Ectocarpus siliculosus	30S ribosomal protein S11
RL00aef2e2	283794917	YP_003359270.1	Cryptomonas paramecium	ribosomal protein S11
RL00aef2e2	299830398	YP_003734613.1	Kryptoperidinium foliaceum	ribosomal protein S11
RL00aef2e2	299830619	YP_003735067.1	Durinskia baltica	30S ribosomal protein S11
RL00aef2e2	301500975	YP_003795440.1	Alveolata sp. CCMP3155	ribosomal protein S11
RL00aef2e2	315320585	YP_004072642.1	Thalassiosira oceanica CCMP1005	30S ribosomal protein S11
RL00aef2e2	330850863	YP_004376613.1	Fistulifera sp. JPCC DA0580	ribosomal protein S11

RL00aef2e3	11465443	NP_045166.1	Cyanidium caldarium	RNA polymerase alpha subunit
RL00aef2e3	11465759	NP_053903.1	Porphyra purpurea	RNA polymerase alpha subunit
RL00aef2e3	11467449	NP_043595.1	Odontella sinensis	RNA polymerase alpha subunit
RL00aef2e3	11467738	NP_050790.1	Guillardia theta	RNA polymerase alpha subunit
RL00aef2e3	30468203	NP_849090.1	Cyanidioschyzon merolae strain 10D	RNA polymerase alpha subunit
RL00aef2e3	51209922	YP_063586.1	Gracilaria tenuistipitata var. liui	RNA polymerase alpha subunit
RL00aef2e3	71842332	YP_277420.1	Emiliana huxleyi	RNA polymerase alpha subunit
RL00aef2e3	90994483	YP_536973.1	Porphyra yezoensis	RNA polymerase alpha subunit
RL00aef2e3	118411080	YP_874475.1	Phaeodactylum tricornutum	DNA-directed RNA polymerase alpha chain
RL00aef2e3	118411212	YP_874606.1	Thalassiosira pseudonana	DNA-directed RNA polymerase alpha chain
RL00aef2e3	149072030	YP_001293601.1	Rhodomonas salina	RNA polymerase alpha subunit
RL00aef2e3	189095413	YP_001936426.1	Heterosigma akashiwo	DNA-directed RNA polymerase alpha subunit
RL00aef2e3	215400751	YP_002327512.1	Vaucheria litorea	RNA polymerase alpha-chain
RL00aef2e3	242620061	YP_003002065.1	Aureococcus anophagefferens	DNA-directed RNA polymerase alpha chain
RL00aef2e3	242624287	YP_003002205.1	Aureoumbra lagunensis	DNA-directed RNA polymerase alpha chain
RL00aef2e3	269101036	YP_003289184.1	Ectocarpus siliculosus	DNA-directed RNA polymerase subunit alpha
RL00aef2e3	283794918	YP_003359271.1	Cryptomonas paramecium	RNA polymerase alpha subunit

RL00aef2e3	299830399	YP_003734614.1	Kryptoperidinium foliaceum	RNA polymerase alpha subunit
RL00aef2e3	299830620	YP_003735068.1	Durinskia baltica	DNA-directed RNA polymerase alpha subunit
RL00aef2e3	301500891	YP_003795303.1	Chromera velia	RNA polymerase alpha subunit
RL00aef2e3	301500977	YP_003795442.1	Alveolata sp. CCMP3155	RNA polymerase alpha subunit
RL00aef2e3	315320586	YP_004072643.1	Thalassiosira oceanica CCMP1005	DNA-directed RNA polymerase subunit alpha
RL00aef2e3	330850862	YP_004376612.1	Fistulifera sp. JPCC DA0580	DNA-directed RNA polymerase alpha chain

RL00aef2e4	11465444	NP_045165.1	Cyanidium caldarium	ribosomal protein L13
RL00aef2e4	11465758	NP_053902.1	Porphyra purpurea	ribosomal protein L13
RL00aef2e4	11467448	NP_043594.1	Odontella sinensis	ribosomal protein L13
RL00aef2e4	11467739	NP_050791.1	Guillardia theta	ribosomal protein L13
RL00aef2e4	30468204	NP_849091.1	Cyanidioschyzon merolae strain 10D	ribosomal protein L13
RL00aef2e4	51209921	YP_063585.1	Gracilaria tenuistipitata var. liui	ribosomal protein L13
RL00aef2e4	90994482	YP_536972.1	Porphyra yezoensis	ribosomal protein L13
RL00aef2e4	118411081	YP_874476.1	Phaeodactylum tricornutum	50S ribosomal protein L13
RL00aef2e4	118411213	YP_874607.1	Thalassiosira pseudonana	50S ribosomal protein L13
RL00aef2e4	149072031	YP_001293602.1	Rhodomonas salina	ribosomal protein L13
RL00aef2e4	189095412	YP_001936425.1	Heterosigma akashiwo	ribosomal protein L13
RL00aef2e4	215400750	YP_002327511.1	Vaucheria litorea	ribosomal protein L13
RL00aef2e4	242620062	YP_003002066.1	Aureococcus anophagefferens	50S ribosomal protein L13
RL00aef2e4	242624288	YP_003002206.1	Aureoumbra lagunensis	50S ribosomal protein L13
RL00aef2e4	269101035	YP_003289183.1	Ectocarpus siliculosus	50S ribosomal protein L13
RL00aef2e4	283794919	YP_003359272.1	Cryptomonas paramecium	ribosomal protein L13
RL00aef2e4	299830400	YP_003734615.1	Kryptoperidinium foliaceum	ribosomal protein L13
RL00aef2e4	299830621	YP_003735069.1	Durinskia baltica	50S ribosomal protein L13
RL00aef2e4	301500978	YP_003795443.1	Alveolata sp. CCMP3155	ribosomal protein L13
RL00aef2e4	315320587	YP_004072644.1	Thalassiosira oceanica CCMP1005	50S ribosomal protein L13
RL00aef2e4	330850861	YP_004376611.1	Fistulifera sp. JPCC DA0580	50S ribosomal protein L13

RL00aef2e5	11465445	NP_045164.1	Cyanidium caldarium	ribosomal protein S9
RL00aef2e5	11465757	NP_053901.1	Porphyra purpurea	ribosomal protein S9
RL00aef2e5	11467447	NP_043593.1	Odontella sinensis	ribosomal protein S9
RL00aef2e5	11467740	NP_050792.1	Guillardia theta	ribosomal protein S9
RL00aef2e5	30468205	NP_849092.1	Cyanidioschyzon merolae strain 10D	ribosomal protein S9
RL00aef2e5	51209920	YP_063584.1	Gracilaria tenuistipitata var. liui	ribosomal protein S9
RL00aef2e5	71842333	YP_277421.1	Emiliania huxleyi	ribosomal protein S9
RL00aef2e5	90994481	YP_536971.1	Porphyra yezoensis	ribosomal protein S9
RL00aef2e5	118411082	YP_874477.1	Phaeodactylum tricornutum	30S ribosomal protein S9
RL00aef2e5	118411214	YP_874608.1	Thalassiosira pseudonana	30S ribosomal protein S9
RL00aef2e5	149072032	YP_001293603.1	Rhodomonas salina	ribosomal protein S9
RL00aef2e5	189095411	YP_001936424.1	Heterosigma akashiwo	ribosomal protein S9
RL00aef2e5	215400749	YP_002327510.1	Vaucheria litorea	ribosomal protein S9
RL00aef2e5	242620063	YP_003002067.1	Aureococcus anophagefferens	30S ribosomal protein S9

RL00aef2e5	242624289	YP_003002207.1	Aureoumbra lagunensis	30S ribosomal protein S9
RL00aef2e5	269101034	YP_003289182.1	Ectocarpus siliculosus	30S ribosomal protein S9
RL00aef2e5	283794920	YP_003359273.1	Cryptomonas paramecium	ribosomal protein S9
RL00aef2e5	299830401	YP_003734616.1	Kryptoperidinium foliaceum	ribosomal protein S9
RL00aef2e5	299830622	YP_003735070.1	Durinskia baltica	30S ribosomal protein S9
RL00aef2e5	315320588	YP_004072645.1	Thalassiosira oceanica CCMP1005	30S ribosomal protein S9
RL00aef2e5	330850860	YP_004376610.1	Fistulifera sp. JPCC DA0580	30S ribosomal protein S9
RL00aef2e6	11465446	NP_045163.1	Cyanidium caldarium	ribosomal protein L31
RL00aef2e6	11465756	NP_053900.1	Porphyra purpurea	ribosomal protein L31
RL00aef2e6	11467446	NP_043592.1	Odontella sinensis	ribosomal protein L31
RL00aef2e6	11467741	NP_050793.1	Guillardia theta	ribosomal protein L31
RL00aef2e6	30468206	NP_849093.1	Cyanidioschyzon merolae strain 10D	ribosomal protein L31
RL00aef2e6	51209919	YP_063583.1	Gracilaria tenuistipitata var. liui	ribosomal protein L31
RL00aef2e6	71842334	YP_277422.1	Emiliana huxleyi	ribosomal protein L31
RL00aef2e6	90994480	YP_536970.1	Porphyra yezoensis	ribosomal protein L31
RL00aef2e6	118411083	YP_874478.1	Phaeodactylum tricornutum	50S ribosomal protein L31
RL00aef2e6	118411215	YP_874609.1	Thalassiosira pseudonana	50S ribosomal protein L31
RL00aef2e6	149072033	YP_001293604.1	Rhodomonas salina	ribosomal protein L31
RL00aef2e6	189095410	YP_001936423.1	Heterosigma akashiwo	ribosomal protein L31
RL00aef2e6	215400748	YP_002327509.1	Vaucheria litorea	ribosomal protein L31
RL00aef2e6	242620064	YP_003002068.1	Aureococcus anophagefferens	50S ribosomal protein L31
RL00aef2e6	242624290	YP_003002208.1	Aureoumbra lagunensis	50S ribosomal protein L31
RL00aef2e6	269101033	YP_003289181.1	Ectocarpus siliculosus	50S ribosomal protein L31
RL00aef2e6	283794921	YP_003359274.1	Cryptomonas paramecium	ribosomal protein L31
RL00aef2e6	299830402	YP_003734617.1	Kryptoperidinium foliaceum	ribosomal protein L31
RL00aef2e6	299830623	YP_003735071.1	Durinskia baltica	50S ribosomal protein L31
RL00aef2e6	301500892	YP_003795304.1	Chromera velia	ribosomal protein L31
RL00aef2e6	301500976	YP_003795441.1	Alveolata sp. CCMP3155	ribosomal protein L31
RL00aef2e6	315320589	YP_004072646.1	Thalassiosira oceanica CCMP1005	50S ribosomal protein L31
RL00aef2e6	330850859	YP_004376609.1	Fistulifera sp. JPCC DA0580	50S ribosomal protein L31
RL00aef2e7	11465447	NP_045162.1	Cyanidium caldarium	ribosomal protein S12
RL00aef2e7	11465755	NP_053899.1	Porphyra purpurea	ribosomal protein S12
RL00aef2e7	11467445	NP_043591.1	Odontella sinensis	ribosomal protein S12
RL00aef2e7	11467742	NP_050794.1	Guillardia theta	ribosomal protein S12
RL00aef2e7	11496546	NP_044557.1	Toxoplasma gondii RH	ribosomal protein S12
RL00aef2e7	30468207	NP_849094.1	Cyanidioschyzon merolae strain 10D	ribosomal protein S12
RL00aef2e7	31442377	NP_852634.1	Eimeria tenella strain Penn State	ribosomal protein S12
RL00aef2e7	51209918	YP_063582.1	Gracilaria tenuistipitata var. liui	ribosomal protein S12
RL00aef2e7	71025960	XP_762686.1	Theileria parva	ribosomal protein S12
RL00aef2e7	71842335	YP_277423.1	Emiliana huxleyi	ribosomal protein S12
RL00aef2e7	90994479	YP_536969.1	Porphyra yezoensis	ribosomal protein S12

RL00aef2e7	118411084	YP_874479.1	Phaeodactylum tricornutum	30S ribosomal protein S12
RL00aef2e7	118411216	YP_874610.1	Thalassiosira pseudonana	30S ribosomal protein S12
RL00aef2e7	149072034	YP_001293605.1	Rhodomonas salina	ribosomal protein S12
RL00aef2e7	189095409	YP_001936422.1	Heterosigma akashiwo	ribosomal protein S12
RL00aef2e7	209892891	YP_002290864.1	Babesia bovis T2Bo	rps12
RL00aef2e7	215400747	YP_002327508.1	Vaucheria litorea	ribosomal protein S12
RL00aef2e7	242620065	YP_003002069.1	Aureococcus anophagefferens	30S ribosomal protein S12
RL00aef2e7	242624291	YP_003002209.1	Aureoumbra lagunensis	30S ribosomal protein S12
RL00aef2e7	269101032	YP_003289180.1	Ectocarpus siliculosus	30S ribosomal protein S12
RL00aef2e7	283794922	YP_003359275.1	Cryptomonas paramecium	ribosomal protein S12
RL00aef2e7	299830403	YP_003734618.1	Kryptoperidinium foliaceum	ribosomal protein S12
RL00aef2e7	299830624	YP_003735072.1	Durinskia baltica	30S ribosomal protein S12
RL00aef2e7	301500889	YP_003795301.1	Chromera velia	ribosomal protein S12
RL00aef2e7	301500979	YP_003795444.1	Alveolata sp. CCMP3155	ribosomal protein S12
RL00aef2e7	315320590	YP_004072647.1	Thalassiosira oceanica CCMP1005	30S ribosomal protein S12
RL00aef2e7	330850858	YP_004376608.1	Fistulifera sp. JPCC DA0580	30S ribosomal protein S12

RL00aef2e8	11465448	NP_045161.1	Cyanidium caldarium	ribosomal protein S7
RL00aef2e8	11465754	NP_053898.1	Porphyra purpurea	ribosomal protein S7
RL00aef2e8	11467444	NP_043590.1	Odontella sinensis	ribosomal protein S7
RL00aef2e8	11467743	NP_050795.1	Guillardia theta	ribosomal protein S7
RL00aef2e8	11496547	NP_044558.1	Toxoplasma gondii RH	ribosomal protein S7
RL00aef2e8	31442378	NP_852635.1	Eimeria tenella strain Penn State	ribosomal protein S7
RL00aef2e8	51209917	YP_063581.1	Gracilaria tenuistipitata var. liui	ribosomal protein S7
RL00aef2e8	71842336	YP_277424.1	Emiliania huxleyi	ribosomal protein S7
RL00aef2e8	90994478	YP_536968.1	Porphyra yezoensis	ribosomal protein S7
RL00aef2e8	118411085	YP_874480.1	Phaeodactylum tricornutum	30S ribosomal protein S7
RL00aef2e8	118411217	YP_874611.1	Thalassiosira pseudonana	30S ribosomal protein S7
RL00aef2e8	126165893	NP_849095.2	Cyanidioschyzon merolae strain 10D	ribosomal protein S7
RL00aef2e8	149072035	YP_001293606.1	Rhodomonas salina	ribosomal protein S7
RL00aef2e8	189095408	YP_001936421.1	Heterosigma akashiwo	ribosomal protein S7
RL00aef2e8	215400746	YP_002327507.1	Vaucheria litorea	ribosomal protein S7
RL00aef2e8	242620066	YP_003002070.1	Aureococcus anophagefferens	30S ribosomal protein S7
RL00aef2e8	242624292	YP_003002210.1	Aureoumbra lagunensis	30S ribosomal protein S7
RL00aef2e8	269101031	YP_003289179.1	Ectocarpus siliculosus	30S ribosomal protein S7
RL00aef2e8	283794923	YP_003359276.1	Cryptomonas paramecium	ribosomal protein S7
RL00aef2e8	299830404	YP_003734619.1	Kryptoperidinium foliaceum	ribosomal protein S7
RL00aef2e8	299830625	YP_003735073.1	Durinskia baltica	30S ribosomal protein S7
RL00aef2e8	315320591	YP_004072648.1	Thalassiosira oceanica CCMP1005	30S ribosomal protein S7
RL00aef2e8	330850857	YP_004376607.1	Fistulifera sp. JPCC DA0580	30S ribosomal protein S7

RL00aef2e9	11465449	NP_045160.1	Cyanidium caldarium	elongation factor Tu
RL00aef2e9	11465753	NP_053897.1	Porphyra purpurea	elongation factor Tu

RL00aef2e9	11467443	NP_043589.1	Odontella sinensis	elongation factor Tu
RL00aef2e9	11467744	NP_050796.1	Guillardia theta	elongation factor Tu
RL00aef2e9	11496548	NP_044559.1	Toxoplasma gondii RH	elongation factor Tu
RL00aef2e9	30468209	NP_849096.1	Cyanidioschyzon merolae strain 10D	elongation factor Tu
RL00aef2e9	31442379	NP_852636.1	Eimeria tenella strain Penn State	elongation factor Tu
RL00aef2e9	51209916	YP_063580.1	Gracilaria tenuistipitata var. liui	elongation factor Tu
RL00aef2e9	71025965	XP_762688.1	Theileria parva strain Muguga	elongation factor TU
RL00aef2e9	71842337	YP_277425.1	Emiliana huxleyi	elongation factor Tu
RL00aef2e9	90994477	YP_536967.1	Porphyra yezoensis	elongation factor Tu
RL00aef2e9	118411086	YP_874481.1	Phaeodactylum tricornutum	translation elongation factor Tu
RL00aef2e9	118411218	YP_874612.1	Thalassiosira pseudonana	translation elongation factor Tu
RL00aef2e9	149072036	YP_001293607.1	Rhodomonas salina	elongation factor Tu
RL00aef2e9	189095407	YP_001936420.1	Heterosigma akashiwo	elongation factor Tu
RL00aef2e9	209892884	YP_002290857.1	Babesia bovis T2Bo	EFTU_STAAS Elongation factor Tu
RL00aef2e9	215400745	YP_002327506.1	Vaucheria litorea	translation elongation factor Tu
RL00aef2e9	242620067	YP_003002071.1	Aureococcus anophagefferens	elongation factor Tu
RL00aef2e9	242624293	YP_003002211.1	Aureoumbra lagunensis	elongation factor Tu
RL00aef2e9	269101030	YP_003289178.1	Ectocarpus siliculosus	Elongation factor EF1A
RL00aef2e9	283794924	YP_003359277.1	Cryptomonas paramecium	elongation factor Tu
RL00aef2e9	299830405	YP_003734620.1	Kryptoperidinium foliaceum	elongation factor Tu
RL00aef2e9	299830626	YP_003735074.1	Durinskia baltica	translation elongation factor Tu
RL00aef2e9	301500877	YP_003795289.1	Chromera velia	elongation factor Tu
RL00aef2e9	301500981	YP_003795446.1	Alveolata sp. CCMP3155	elongation factor Tu
RL00aef2e9	315320592	YP_004072649.1	Thalassiosira oceanica CCMP1005	translation elongation factor EF-Tu
RL00aef2e9	330850856	YP_004376606.1	Fistulifera sp. JPCC DA0580	translation elongation factor Tu

RL00aef2ea	11465450	NP_045159.1	Cyanidium caldarium	ribosomal protein S10
RL00aef2ea	11465752	NP_053896.1	Porphyra purpurea	ribosomal protein S10
RL00aef2ea	11467442	NP_043588.1	Odontella sinensis	ribosomal protein S10
RL00aef2ea	11467745	NP_050797.1	Guillardia theta	ribosomal protein S10
RL00aef2ea	30468210	NP_849097.1	Cyanidioschyzon merolae strain 10D	ribosomal protein S10
RL00aef2ea	51209915	YP_063579.1	Gracilaria tenuistipitata var. liui	ribosomal protein S10
RL00aef2ea	71842338	YP_277426.1	Emiliana huxleyi	ribosomal protein S10
RL00aef2ea	90994476	YP_536966.1	Porphyra yezoensis	ribosomal protein S10
RL00aef2ea	118411087	YP_874482.1	Phaeodactylum tricornutum	30S ribosomal protein S10
RL00aef2ea	118411219	YP_874613.1	Thalassiosira pseudonana	30S ribosomal protein S10
RL00aef2ea	149072037	YP_001293608.1	Rhodomonas salina	ribosomal protein S10
RL00aef2ea	189095406	YP_001936419.1	Heterosigma akashiwo	ribosomal protein S10
RL00aef2ea	215400744	YP_002327505.1	Vaucheria litorea	ribosomal protein S10
RL00aef2ea	242620068	YP_003002072.1	Aureococcus anophagefferens	30S ribosomal protein S10
RL00aef2ea	242624294	YP_003002212.1	Aureoumbra lagunensis	30S ribosomal protein S10
RL00aef2ea	269101029	YP_003289177.1	Ectocarpus siliculosus	30S ribosomal protein S10
RL00aef2ea	283794925	YP_003359278.1	Cryptomonas paramecium	ribosomal protein S10

RL00aef2ea	299830406	YP_003734621.1	Kryptoperidinium foliaceum	ribosomal protein S10
RL00aef2ea	299830627	YP_003735075.1	Durinskia baltica	30S ribosomal protein S10
RL00aef2ea	315320593	YP_004072650.1	Thalassiosira oceanica CCMP1005	30S ribosomal protein S10
RL00aef2ea	330850855	YP_004376605.1	Fistulifera sp. JPCC DA0580	ribosomal protein S10
RL00aef2eb	11465451	NP_045158.1	Cyanidium caldarium	ferredoxin
RL00aef2eb	11465786	NP_053930.1	Porphyra purpurea	ferredoxin
RL00aef2eb	11467557	NP_043703.1	Odontella sinensis	ferredoxin
RL00aef2eb	11467746	NP_050798.1	Guillardia theta	ferredoxin
RL00aef2eb	30468211	NP_849098.1	Cyanidioschyzon merolae strain 10D	ferredoxin
RL00aef2eb	51209914	YP_063578.1	Gracilaria tenuistipitata var. liui	ferredoxin
RL00aef2eb	90994511	YP_537001.1	Porphyra yezoensis	ferredoxin
RL00aef2eb	118411008	YP_874403.1	Phaeodactylum tricornutum	ferredoxin
RL00aef2eb	118411098	YP_874492.1	Thalassiosira pseudonana	ferredoxin
RL00aef2eb	149072045	YP_001293609.1	Rhodomonas salina	ferredoxin
RL00aef2eb	189095442	YP_001936455.1	Heterosigma akashiwo	ferredoxin
RL00aef2eb	215400743	YP_002327504.1	Vaucheria litorea	ferredoxin
RL00aef2eb	269101022	YP_003289170.1	Ectocarpus siliculosus	ferredoxin
RL00aef2eb	283794926	YP_003359279.1	Cryptomonas paramecium	ferredoxin
RL00aef2eb	299830342	YP_003734557.1	Kryptoperidinium foliaceum	ferredoxin
RL00aef2eb	299830547	YP_003734995.1	Durinskia baltica	ferredoxin
RL00aef2eb	330850825	YP_004376575.1	Fistulifera sp. JPCC DA0580	ferredoxin
RL00aef2ec	11465452	NP_045157.1	Cyanidium caldarium	cytochrome c553
RL00aef2ec	11465666	NP_053810.1	Porphyra purpurea	cytochrome c553
RL00aef2ec	30468224	NP_849111.1	Cyanidioschyzon merolae strain 10D	cytochrome c553
RL00aef2ec	51209855	YP_063519.1	Gracilaria tenuistipitata var. liui	cytochrome c553
RL00aef2ec	90994391	YP_536881.1	Porphyra yezoensis	cytochrome c553
RL00aef2ec	189095396	YP_001936409.1	Heterosigma akashiwo	cytochrome c553
RL00aef2ec	215400794	YP_002327555.1	Vaucheria litorea	cytochrome c553
RL00aef2ec	269101077	YP_003289225.1	Ectocarpus siliculosus	cytochrome c6
RL00aef2ed	11465453	NP_045156.1	Cyanidium caldarium	photosystem II cytochrome c550
RL00aef2ed	11465665	NP_053809.1	Porphyra purpurea	photosystem II cytochrome c550
RL00aef2ed	11467554	NP_043700.1	Odontella sinensis	photosystem II cytochrome c550
RL00aef2ed	11467659	NP_050711.1	Guillardia theta	photosystem II cytochrome c550
RL00aef2ed	30468223	NP_849110.1	Cyanidioschyzon merolae strain 10D	photosystem II cytochrome c550
RL00aef2ed	51209854	YP_063518.1	Gracilaria tenuistipitata var. liui	photosystem II cytochrome c550
RL00aef2ed	71842311	YP_277399.1	Emiliania huxleyi	photosystem II cytochrome c550
RL00aef2ed	90994390	YP_536880.1	Porphyra yezoensis	photosystem II cytochrome c550
RL00aef2ed	118411006	YP_874401.1	Phaeodactylum tricornutum	PsbV
RL00aef2ed	118411100	YP_874494.1	Thalassiosira pseudonana	PsbV
RL00aef2ed	149072081	YP_001293523.1	Rhodomonas salina	cytochrome c550

RL00aef2ed	189095397	YP_001936410.1	Heterosigma akashiwo	photosystem II cytochrome c550
RL00aef2ed	215400795	YP_002327556.1	Vaucheria litorea	PSII cytochrome c550 oxygen-evolving complex component
RL00aef2ed	242620075	YP_003002079.1	Aureococcus anophagefferens	cytochrome c550
RL00aef2ed	242624301	YP_003002219.1	Aureoumbra lagunensis	cytochrome c550
RL00aef2ed	269101076	YP_003289224.1	Ectocarpus siliculosus	Photosystem II cytochrome c550
RL00aef2ed	299830340	YP_003734555.1	Kryptoperidinium foliaceum	photosystem II cytochrome c550
RL00aef2ed	299830545	YP_003734993.1	Durinskia baltica	psbV
RL00aef2ed	301500870	YP_003795282.1	Chromera velia	photosystem II cytochrome c550
RL00aef2ed	301500953	YP_003795418.1	Alveolata sp. CCMP3155	photosystem II cytochrome c550
RL00aef2ed	315320518	YP_004072574.1	Thalassiosira oceanica CCMP1005	cytochrome c550
RL00aef2ed	330850827	YP_004376577.1	Fistulifera sp. JPCC DA0580	PsbV protein
RL00aef2ee	11465454	NP_045155.1	Cyanidium caldarium	acetyl-CoA carboxylase beta subunit
RL00aef2ee	11465664	NP_053808.1	Porphyra purpurea	acetyl-CoA carboxylase beta subunit
RL00aef2ee	30468222	NP_849109.1	Cyanidioschyzon merolae strain 10D	acetyl-CoA carboxylase beta subunit
RL00aef2ee	51209853	YP_063517.1	Gracilaria tenuistipitata var. liui	acetyl-CoA carboxylase beta subunit
RL00aef2ee	90994389	YP_536879.1	Porphyra yezoensis	acetyl-CoA carboxylase beta subunit
RL00aef2ef	11465455	NP_045154.1	Cyanidium caldarium	allophycocyanin gamma subunit
RL00aef2ef	11465661	NP_053805.1	Porphyra purpurea	allophycocyanin gamma subunit
RL00aef2ef	30468220	NP_849107.1	Cyanidioschyzon merolae strain 10D	allophycocyanin gamma subunit
RL00aef2ef	51209850	YP_063514.1	Gracilaria tenuistipitata var. liui	allophycocyanin gamma subunit
RL00aef2ef	90994386	YP_536876.1	Porphyra yezoensis	allophycocyanin gamma subunit
RL00aef2f0	11465456	NP_045152.1	Cyanidium caldarium	photosystem I subunit III
RL00aef2f0	11465659	NP_053803.1	Porphyra purpurea	photosystem I subunit III
RL00aef2f0	11467524	NP_043670.1	Odontella sinensis	photosystem I subunit III
RL00aef2f0	11467662	NP_050714.1	Guillardia theta	photosystem I subunit III
RL00aef2f0	30468217	NP_849104.1	Cyanidioschyzon merolae strain 10D	photosystem I subunit III
RL00aef2f0	51209848	YP_063512.1	Gracilaria tenuistipitata var. liui	photosystem I subunit III
RL00aef2f0	71842260	YP_277348.1	Emiliania huxleyi	photosystem I subunit III
RL00aef2f0	90994384	YP_536874.1	Porphyra yezoensis	photosystem I subunit III
RL00aef2f0	118410966	YP_874361.1	Phaeodactylum tricorutum	photosystem I protein F
RL00aef2f0	118411168	YP_874562.1	Thalassiosira pseudonana	photosystem I protein F
RL00aef2f0	149072078	YP_001293526.1	Rhodomonas salina	photosystem I subunit III
RL00aef2f0	189095444	YP_001936457.1	Heterosigma akashiwo	photosystem I subunit III
RL00aef2f0	215400716	YP_002327477.1	Vaucheria litorea	PSI plastocyanin-binding subunit III
RL00aef2f0	242624267	YP_003002185.1	Aureoumbra lagunensis	photosystem I reaction center subunit III
RL00aef2f0	269101113	YP_003289261.1	Ectocarpus siliculosus	Photosystem I subunit III
RL00aef2f0	299830308	YP_003734523.1	Kryptoperidinium foliaceum	photosystem I protein subunit III
RL00aef2f0	299830507	YP_003734953.1	Durinskia baltica	photosystem I protein F
RL00aef2f0	315320469	YP_004072525.1	Thalassiosira oceanica CCMP1005	photosystem I reaction center subunit III
RL00aef2f0	330850911	YP_004376661.1	Fistulifera sp. JPCC DA0580	photosystem I protein F

RL00aef2f1	11465457 NP_045153.1	Cyanidium caldarium	photosystem I subunit IX
RL00aef2f1	11465660 NP_053804.1	Porphyra purpurea	photosystem I subunit IX
RL00aef2f1	11467523 NP_043669.1	Odontella sinensis	photosystem I subunit IX
RL00aef2f1	11467661 NP_050713.1	Guillardia theta	photosystem I subunit IX
RL00aef2f1	30468218 NP_849105.1	Cyanidioschyzon merolae strain 10D	photosystem I subunit IX
RL00aef2f1	51209849 YP_063513.1	Gracilaria tenuistipitata var. liui	photosystem I subunit IX
RL00aef2f1	71842261 YP_277349.1	Emiliana huxleyi	photosystem I subunit IX
RL00aef2f1	90994385 YP_536875.1	Porphyra yezoensis	photosystem I subunit IX
RL00aef2f1	118410965 YP_874360.1	Phaeodactylum tricornutum	photosystem I protein J
RL00aef2f1	118411169 YP_874563.1	Thalassiosira pseudonana	photosystem I protein J
RL00aef2f1	149072079 YP_001293525.1	Rhodomonas salina	photosystem II subunit I
RL00aef2f1	189095443 YP_001936456.1	Heterosigma akashiwo	photosystem I reaction center subunit IX
RL00aef2f1	215400717 YP_002327478.1	Vaucheria litorea	PSI subunit IX
RL00aef2f1	242620042 YP_003002046.1	Aureococcus anophagefferens	photosystem I reaction center subunit IX
RL00aef2f1	242624268 YP_003002186.1	Aureoumbra lagunensis	photosystem I reaction center subunit IX
RL00aef2f1	269101114 YP_003289262.1	Ectocarpus siliculosus	Photosystem I reaction centre subunit IX
RL00aef2f1	299830309 YP_003734524.1	Kryptoperidinium foliaceum	photosystem I protein J
RL00aef2f1	299830506 YP_003734952.1	Durinskia baltica	photosystem I protein subunit IX
RL00aef2f1	315320468 YP_004072524.1	Thalassiosira oceanica CCMP1005	photosystem I reaction center subunit IX
RL00aef2f1	330850910 YP_004376660.1	Fistulifera sp. JPCC DA0580	photosystem I protein J
RL00aef2f3	11465459 NP_045150.1	Cyanidium caldarium	tryptophan synthase alpha subunit
RL00aef2f3	11465848 NP_053992.1	Porphyra purpurea	tryptophan synthase alpha subunit
RL00aef2f3	30468052 NP_848939.1	Cyanidioschyzon merolae strain 10D	tryptophan synthase alpha chain
RL00aef2f3	51210034 YP_063698.1	Gracilaria tenuistipitata var. liui	tryptophan synthase alpha subunit
RL00aef2f3	90994573 YP_537063.1	Porphyra yezoensis	tryptophan synthase alpha subunit
RL00aef2f4	11465460 NP_045149.1	Cyanidium caldarium	hypothetical protein CycaCp132
RL00aef2f4	11465849 NP_053993.1	Porphyra purpurea	hypothetical protein PopuCp198
RL00aef2f4	30468051 NP_848938.1	Cyanidioschyzon merolae strain 10D	cell-cycle protein mesJ family
RL00aef2f4	51210035 YP_063699.1	Gracilaria tenuistipitata var. liui	conserved hypothetical plastid protein
RL00aef2f4	90994574 YP_537064.1	Porphyra yezoensis	hypothetical protein 327
RL00aef2f5	11465461 NP_045148.1	Cyanidium caldarium	hypothetical protein CycaCp131
RL00aef2f5	11465851 NP_053995.1	Porphyra purpurea	Ycf12
RL00aef2f5	11467540 NP_043686.1	Odontella sinensis	ORF34
RL00aef2f5	11467665 NP_050717.1	Guillardia theta	Ycf12
RL00aef2f5	30468050 NP_848937.1	Cyanidioschyzon merolae strain 10D	hypothetical protein CymeCp005
RL00aef2f5	51210036 YP_063700.1	Gracilaria tenuistipitata var. liui	Ycf12
RL00aef2f5	71842247 YP_277335.1	Emiliana huxleyi	Ycf12
RL00aef2f5	90994576 YP_537066.1	Porphyra yezoensis	Ycf12
RL00aef2f5	118410980 YP_874375.1	Phaeodactylum tricornutum	hypothetical protein PhtrCp018

RL00aef2f5	118411150	YP_874544.1	Thalassiosira pseudonana	hypothetical protein ThpsCp055
RL00aef2f5	149071988	YP_001293528.1	Rhodomonas salina	hypothetical plastid protein 12
RL00aef2f5	189095379	YP_001936392.1	Heterosigma akashiwo	Ycf12
RL00aef2f5	215400807	YP_002327568.1	Vaucheria litorea	hypothetical protein YCF12
RL00aef2f5	242620022	YP_003002026.1	Aureococcus anophagefferens	conserved hypothetical plastid protein Ycf12
RL00aef2f5	242624259	YP_003002177.1	Aureoumbra lagunensis	conserved hypothetical plastid protein Ycf12
RL00aef2f5	269101134	YP_003289282.1	Ectocarpus siliculosus	Chloroplast conserved hypothetical protein
RL00aef2f5	299830314	YP_003734529.1	Kryptoperidinium foliaceum	photosystem II reaction center protein ycf12
RL00aef2f5	299830520	YP_003734967.1	Durinskia baltica	photosystem II reaction centre protein ycf12
RL00aef2f5	315320508	YP_004072564.1	Thalassiosira oceanica CCMP1005	photosystem II reaction center protein Ycf12
RL00aef2f5	330850924	YP_004376674.1	Fistulifera sp. JPCC DA0580	hypothetical protein FispC_p109
RL00aef2f6	11465462	NP_045147.1	Cyanidium caldarium	sulfate ABC transporter protein
RL00aef2f6	11465707	NP_053851.1	Porphyra purpurea	sulfate ABC transporter protein
RL00aef2f6	11467510	NP_043656.1	Odontella sinensis	sulfate ABC transporter protein
RL00aef2f6	11467679	NP_050731.1	Guillardia theta	sulfate ABC transporter protein
RL00aef2f6	30468049	NP_848936.1	Cyanidioschyzon merolae strain 10D	sulfate ABC transporter protein
RL00aef2f6	51209989	YP_063653.1	Gracilaria tenuistipitata var. liui	sulfate ABC transporter protein
RL00aef2f6	90994432	YP_536922.1	Porphyra yezoensis	sulfate ABC transporter protein
RL00aef2f6	118411025	YP_874420.1	Phaeodactylum tricornutum	iron-sulfur cluster formation ABC transporter ATP-binding subunit
RL00aef2f6	118411106	YP_874500.1	Thalassiosira pseudonana	iron-sulfur cluster formation ABC transporter ATP-binding subunit
RL00aef2f6	149071992	YP_001293542.1	Rhodomonas salina	iron-sulfur cluster formation ABC transporter
RL00aef2f6	189095376	YP_001936389.1	Heterosigma akashiwo	sulfate ABC transporter protein
RL00aef2f6	215400780	YP_002327541.1	Vaucheria litorea	ABC ATPase
RL00aef2f6	269101010	YP_003289158.1	Ectocarpus siliculosus	Chloroplast conserved hypothetical protein
RL00aef2f6	283794873	YP_003359226.1	Cryptomonas paramecium	sulfate ABC transporter protein
RL00aef2f6	299830360	YP_003734575.1	Kryptoperidinium foliaceum	iron-sulfur cluster formation ABC transporter ATP-binding subunit
RL00aef2f6	299830563	YP_003735011.1	Durinskia baltica	iron-sulfur cluster formation ABC transporter ATP-binding subunit
RL00aef2f6	315320531	YP_004072587.1	Thalassiosira oceanica CCMP1005	FeS cluster assembly protein SufC
RL00aef2f6	330850940	YP_004376690.1	Fistulifera sp. JPCC DA0580	iron-sulfur cluster formation ABC transporter ATP-binding subunit
RL00aef2f7	11465463	NP_045146.1	Cyanidium caldarium	putative ABC transporter
RL00aef2f7	11465706	NP_053850.1	Porphyra purpurea	putative ABC transporter
RL00aef2f7	11467509	NP_043655.1	Odontella sinensis	putative ABC transporter
RL00aef2f7	11467678	NP_050730.1	Guillardia theta	putative ABC transporter
RL00aef2f7	11496556	NP_044570.1	Toxoplasma gondii RH	putative ABC transporter
RL00aef2f7	30468048	NP_848935.1	Cyanidioschyzon merolae strain 10D	putative ABC transporter
RL00aef2f7	31442391	NP_852648.1	Eimeria tenella strain Penn State	putative ABC transporter
RL00aef2f7	51209990	YP_063654.1	Gracilaria tenuistipitata var. liui	putative ABC transporter
RL00aef2f7	71842236	YP_277324.1	Emiliana huxleyi	putative ABC transporter
RL00aef2f7	90994431	YP_536921.1	Porphyra yezoensis	putative ABC transporter
RL00aef2f7	118411024	YP_874419.1	Phaeodactylum tricornutum	iron-sulfur cluster formation ABC transporter
RL00aef2f7	118411105	YP_874499.1	Thalassiosira pseudonana	iron-sulfur cluster formation ABC transporter

RL00aef2f7	149071991	YP_001293541.1	Rhodomonas salina	iron-sulfur cluster formation ABC transporter
RL00aef2f7	189095375	YP_001936388.1	Heterosigma akashiwo	putative ABC transporter
RL00aef2f7	215400779	YP_002327540.1	Vaucheria litorea	hypothetical protein YCF24
RL00aef2f7	242620039	YP_003002043.1	Aureococcus anophagefferens	ABC transporter
RL00aef2f7	242624264	YP_003002182.1	Aureoumbra lagunensis	ABC transporter
RL00aef2f7	269101011	YP_003289159.1	Ectocarpus siliculosus	Chloroplast conserved hypothetical protein
RL00aef2f7	283794872	YP_003359225.1	Cryptomonas paramecium	putative ABC transporter
RL00aef2f7	299830359	YP_003734574.1	Kryptoperidinium foliaceum	iron-sulfur cluster formation ABC transporter
RL00aef2f7	299830562	YP_003735010.1	Durinskia baltica	iron-sulfur cluster formation ABC transporter
RL00aef2f7	301500986	YP_003795451.1	Alveolata sp. CCMP3155	ABC transporter for iron-sulfur cluster formation; sufB
RL00aef2f7	315320530	YP_004072586.1	Thalassiosira oceanica CCMP1005	FeS cluster assembly protein SufB
RL00aef2f7	330850939	YP_004376689.1	Fistulifera sp. JPCC DA0580	iron-sulfur cluster formation ABC transporter
RL00aef2f8	11465464	NP_045145.1	Cyanidium caldarium	UDP-3-O-acyl N-acetylglucosamine deacetylase
RL00aef2f8	30468067	NP_848954.1	Cyanidioschyzon merolae strain 10D	UDP-3-O-[3-hydroxymyristoyl] GlcNAc deacetylase
RL00aef2f9	11465465	NP_045144.1	Cyanidium caldarium	acyl-UDP-N-acetylglucosamine o-acyltransferase
RL00aef2f9	30468068	NP_848955.1	Cyanidioschyzon merolae strain 10D	acyl-[ACP]--UDP-N-acetylglucosamine O-acyltransferase
RL00aef2fa	11465466	NP_045143.1	Cyanidium caldarium	photosystem I protein M
RL00aef2fa	11465861	NP_054005.1	Porphyra purpurea	photosystem I subunit XII
RL00aef2fa	11467498	NP_043644.1	Odontella sinensis	photosystem I protein M
RL00aef2fa	11467649	NP_050701.1	Guillardia theta	photosystem I subunit XII
RL00aef2fa	30468069	NP_848956.1	Cyanidioschyzon merolae strain 10D	photosystem I reaction center subunit M
RL00aef2fa	51210046	YP_063710.1	Gracilaria tenuistipitata var. liui	photosystem I subunit XII
RL00aef2fa	71842308	YP_277396.1	Emiliania huxleyi	photosystem I protein M
RL00aef2fa	90994586	YP_537076.1	Porphyra yezoensis	photosystem I subunit XII
RL00aef2fa	118410994	YP_874389.1	Phaeodactylum tricornutum	photosystem I reaction center subunit M
RL00aef2fa	118411139	YP_874533.1	Thalassiosira pseudonana	photosystem I reaction center subunit M
RL00aef2fa	149071981	YP_001293513.1	Rhodomonas salina	photosystem I protein M
RL00aef2fa	189095301	YP_001936314.1	Heterosigma akashiwo	photosystem I subunit XII
RL00aef2fa	189095343	YP_001936356.1	Heterosigma akashiwo	photosystem I subunit XII
RL00aef2fa	215400697	YP_002327454.1	Vaucheria litorea	M protein of photosystem I
RL00aef2fa	242620092	YP_003002096.1	Aureococcus anophagefferens	photosystem I reaction center subunit M
RL00aef2fa	242624319	YP_003002237.1	Aureoumbra lagunensis	photosystem I reaction center subunit M
RL00aef2fa	269101106	YP_003289254.1	Ectocarpus siliculosus	Photosystem I reaction center subunit XII
RL00aef2fa	299830328	YP_003734543.1	Kryptoperidinium foliaceum	photosystem I subunit XII
RL00aef2fa	299830533	YP_003734981.1	Durinskia baltica	photosystem I reaction center subunit M
RL00aef2fa	315320472	YP_004072528.1	Thalassiosira oceanica CCMP1005	photosystem I reaction center subunit XII
RL00aef2fa	330850839	YP_004376589.1	Fistulifera sp. JPCC DA0580	photosystem I reaction center subunit M
RL00aef2fb	11465467	NP_045142.1	Cyanidium caldarium	thiophen and furan oxidation protein
RL00aef2fb	30468066	NP_848953.1	Cyanidioschyzon merolae strain 10D	tRNA modification GTPase

RL00aef2fc	11465468	NP_045141.1	Cyanidium caldarium	Mg-protoporphyrin IX chelatase
RL00aef2fc	11465860	NP_054004.1	Porphyra purpurea	Mg-protoporphyrin IX chelatase
RL00aef2fc	11467499	NP_043645.1	Odontella sinensis	Mg-protoporphyrin IX chelatase
RL00aef2fc	11467650	NP_050702.1	Guillardia theta	Mg-protoporphyrin IX chelatase
RL00aef2fc	30468065	NP_848952.1	Cyanidioschyzon merolae strain 10D	Mg-protoporphyrin IX chelatase
RL00aef2fc	51210045	YP_063709.1	Gracilaria tenuistipitata var. liui	Mg-protoporphyrin IX chelatase
RL00aef2fc	71842291	YP_277379.1	Emiliana huxleyi	Mg-protoporphyrin IX chelatase
RL00aef2fc	90994585	YP_537075.1	Porphyra yezoensis	Mg-protoporphyrin IX chelatase
RL00aef2fc	118410995	YP_874390.1	Phaeodactylum tricornutum	magnesium-chelatase subunit I
RL00aef2fc	118411138	YP_874532.1	Thalassiosira pseudonana	magnesium-chelatase subunit I
RL00aef2fc	149071982	YP_001293514.1	Rhodomonas salina	protochlorophyllide reductase magnesium subunit
RL00aef2fc	189095302	YP_001936315.1	Heterosigma akashiwo	Mg-protoporphyrin IX chelatase
RL00aef2fc	189095303	YP_001936316.1	Heterosigma akashiwo	Mg-protoporphyrin IX chelatase
RL00aef2fc	215400696	YP_002327455.1	Vaucheria litorea	ATP-binding subunit of protochlorophyllide reductase
RL00aef2fc	242620091	YP_003002095.1	Aureococcus anophagefferens	magnesium chelatase subunit
RL00aef2fc	242624318	YP_003002236.1	Aureoumbra lagunensis	magnesium chelatase subunit
RL00aef2fc	269101105	YP_003289253.1	Ectocarpus siliculosus	Magnesium chelatase subunit I
RL00aef2fc	283794946	YP_003359299.1	Cryptomonas paramecium	Mg-protoporphyrin IX chelatase
RL00aef2fc	299830329	YP_003734544.1	Kryptoperidinium foliaceum	Mg-protoporphyrin IX chelatase
RL00aef2fc	299830534	YP_003734982.1	Durinskia baltica	magnesium-chelatase subunit I
RL00aef2fc	315320473	YP_004072529.1	Thalassiosira oceanica CCMP1005	magnesium chelatase ATPase subunit ChII
RL00aef2fc	330850838	YP_004376588.1	Fistulifera sp. JPCC DA0580	magnesium-chelatase subunit I
RL00aef2fd	11465469	NP_045140.1	Cyanidium caldarium	translation initiation factor 3
RL00aef2fd	11465697	NP_053841.1	Porphyra purpurea	translation initiation factor 3
RL00aef2fd	30468064	NP_848951.1	Cyanidioschyzon merolae strain 10D	translation initiation factor 3
RL00aef2fd	51210011	YP_063675.1	Gracilaria tenuistipitata var. liui	translation initiation factor 3
RL00aef2fd	90994422	YP_536912.1	Porphyra yezoensis	translation initiation factor 3
RL00aef2fe	11465470	NP_045139.1	Cyanidium caldarium	sulfate ABC transporter protein
RL00aef2fe	30468063	NP_848950.1	Cyanidioschyzon merolae strain 10D	sulfate ABC transporter protein
RL00aef2ff	11465471	NP_045138.1	Cyanidium caldarium	hypothetical protein CycaCp121
RL00aef2ff	11467537	NP_043683.1	Odontella sinensis	ORF380
RL00aef2ff	30468062	NP_848949.1	Cyanidioschyzon merolae strain 10D	probable permease YjgP/YjgQ family
RL00aef2ff	118410978	YP_874373.1	Phaeodactylum tricornutum	hypothetical protein PhtrCp016
RL00aef2ff	118411156	YP_874550.1	Thalassiosira pseudonana	hypothetical protein ThpsCp061
RL00aef2ff	299830296	YP_003734511.1	Kryptoperidinium foliaceum	hypothetical protein KrfoC_p001
RL00aef2ff	299830518	YP_003734965.1	Durinskia baltica	hypothetical protein PyulOm_p016
RL00aef2ff	315320501	YP_004072557.1	Thalassiosira oceanica CCMP1005	putative protein Ycf90
RL00aef2ff	330850922	YP_004376672.1	Fistulifera sp. JPCC DA0580	hypothetical protein FispC_p107

RL00aef300	11465472	NP_045137.1	Cyanidium caldarium	acetohydroxyacid synthase small subunit
RL00aef300	11465696	NP_053840.1	Porphyra purpurea	acetohydroxyacid synthase small subunit
RL00aef300	11467656	NP_050708.1	Guillardia theta	acetohydroxyacid synthase small subunit
RL00aef300	30468061	NP_848948.1	Cyanidioschyzon merolae strain 10D	acetohydroxyacid synthase small subunit
RL00aef300	51210010	YP_063674.1	Gracilaria tenuistipitata var. liui	acetohydroxyacid synthase small subunit
RL00aef300	90994421	YP_536911.1	Porphyra yezoensis	acetohydroxyacid synthase small subunit
RL00aef300	149072083	YP_001293521.1	Rhodomonas salina	acetohydroxyacid synthetase small subunit
RL00aef300	189095312	YP_001936325.1	Heterosigma akashiwo	acetohydroxyacid synthase small subunit
RL00aef300	215400774	YP_002327535.1	Vaucheria litorea	acetolactate synthase small subunit
RL00aef300	242620116	YP_003002120.1	Aureococcus anophagefferens	acetolactate synthase small subunit
RL00aef300	242624351	YP_003002269.1	Aureoumbra lagunensis	acetolactate synthase small subunit
RL00aef300	269101125	YP_003289273.1	Ectocarpus siliculosus	acetolactate synthase small subunit
RL00aef300	283794870	YP_003359223.1	Cryptomonas paramecium	acetohydroxyacid synthase small subunit

RL00aef301	11465473	NP_045136.1	Cyanidium caldarium	CbbX
RL00aef301	11465694	NP_053838.1	Porphyra purpurea	CbbX
RL00aef301	11467528	NP_043674.1	Odontella sinensis	hypothetical protein OdsiCp095
RL00aef301	11467655	NP_050707.1	Guillardia theta	CbbX
RL00aef301	30468060	NP_848947.1	Cyanidioschyzon merolae strain 10D	CfxQ protein homolog
RL00aef301	51210008	YP_063672.1	Gracilaria tenuistipitata var. liui	CbbX
RL00aef301	71842300	YP_277388.1	Emiliana huxleyi	CbbX
RL00aef301	90994419	YP_536909.1	Porphyra yezoensis	CbbX
RL00aef301	118410970	YP_874365.1	Phaeodactylum tricornutum	Rubisco expression protein
RL00aef301	118411164	YP_874558.1	Thalassiosira pseudonana	Rubisco expression protein
RL00aef301	149071987	YP_001293520.1	Rhodomonas salina	Putative rubisco expression protein
RL00aef301	189095297	YP_001936310.1	Heterosigma akashiwo	CbbX
RL00aef301	189095347	YP_001936360.1	Heterosigma akashiwo	CbbX
RL00aef301	215400788	YP_002327549.1	Vaucheria litorea	CfxQ-like protein
RL00aef301	242620088	YP_003002092.1	Aureococcus anophagefferens	putative rubisco expression protein
RL00aef301	242624315	YP_003002233.1	Aureoumbra lagunensis	putative rubisco expression protein
RL00aef301	269101133	YP_003289281.1	Ectocarpus siliculosus	Chloroplast conserved protein CbbX
RL00aef301	283794869	YP_003359222.1	Cryptomonas paramecium	CbbX
RL00aef301	299830304	YP_003734519.1	Kryptoperidinium foliaceum	Rubisco expression protein
RL00aef301	299830511	YP_003734957.1	Durinskia baltica	hypothetical protein PyulOm_p008
RL00aef301	315320493	YP_004072549.1	Thalassiosira oceanica CCMP1005	CbbX protein
RL00aef301	330850914	YP_004376664.1	Fistulifera sp. JPCP DA0580	Rubisco expression protein

RL00aef303	11465475	NP_045134.1	Cyanidium caldarium	ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit
RL00aef303	11465692	NP_053836.1	Porphyra purpurea	ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit
RL00aef303	11467508	NP_043654.1	Odontella sinensis	ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit
RL00aef303	11467653	NP_050705.1	Guillardia theta	ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit
RL00aef303	30468058	NP_848945.1	Cyanidioschyzon merolae strain 10D	ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit
RL00aef303	51210006	YP_063670.1	Gracilaria tenuistipitata var. liui	ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit

RL00aef303	71842225	YP_277313.1	Emiliana huxleyi	ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit
RL00aef303	90994417	YP_536907.1	Porphyra yezoensis	ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit
RL00aef303	118411023	YP_874418.1	Phaeodactylum tricornutum	ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit
RL00aef303	118411104	YP_874498.1	Thalassiosira pseudonana	ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit
RL00aef303	149071985	YP_001293518.1	Rhodomonas salina	ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit
RL00aef303	189095295	YP_001936308.1	Heterosigma akashiwo	ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit
RL00aef303	189095349	YP_001936362.1	Heterosigma akashiwo	ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit
RL00aef303	215400783	YP_002327544.1	Vaucheria litorea	ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit
RL00aef303	242620086	YP_003002090.1	Aureococcus anophagefferens	ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit
RL00aef303	242624313	YP_003002231.1	Aureoumbra lagunensis	ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit
RL00aef303	269101141	YP_003289289.1	Ectocarpus siliculosus	Ribulose 1,5-bisphosphate carboxylase large subunit
RL00aef303	283794867	YP_003359220.1	Cryptomonas paramecium	ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit
RL00aef303	299830358	YP_003734573.1	Kryptoperidinium foliaceum	ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit
RL00aef303	299830561	YP_003735009.1	Durinskia baltica	ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit
RL00aef303	315320529	YP_004072585.1	Thalassiosira oceanica CCMP1005	ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit
RL00aef303	330850938	YP_004376688.1	Fistulifera sp. JPCC DA0580	ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit
RL00aef304	11465476	NP_045133.1	Cyanidium caldarium	thioredoxin
RL00aef304	11465691	NP_053835.1	Porphyra purpurea	thioredoxin
RL00aef304	30468057	NP_848944.1	Cyanidioschyzon merolae strain 10D	thioredoxin
RL00aef304	51210005	YP_063669.1	Gracilaria tenuistipitata var. liui	thioredoxin
RL00aef304	90994416	YP_536906.1	Porphyra yezoensis	thioredoxin
RL00aef306	11465478	NP_045131.1	Cyanidium caldarium	hypothetical protein CycaCp114
RL00aef306	11465684	NP_053828.1	Porphyra purpurea	hypothetical protein PopuCp033
RL00aef306	11467652	NP_050704.1	Guillardia theta	hypothetical protein GuthCp045
RL00aef306	51210013	YP_063677.1	Gracilaria tenuistipitata var. liui	conserved hypothetical plastid protein
RL00aef306	71842290	YP_277378.1	Emiliana huxleyi	hypothetical chloroplast RF80
RL00aef306	149072084	YP_001293517.1	Rhodomonas salina	ORF403
RL00aef306	283794866	YP_003359219.1	Cryptomonas paramecium	hypothetical protein CRPAC_p002
RL00aef307	11465479	NP_045130.1	Cyanidium caldarium	ribosomal protein S4
RL00aef307	11465685	NP_053829.1	Porphyra purpurea	ribosomal protein S4
RL00aef307	11467476	NP_043622.1	Odontella sinensis	ribosomal protein S4
RL00aef307	11467651	NP_050703.1	Guillardia theta	ribosomal protein S4
RL00aef307	11496535	NP_044545.1	Toxoplasma gondii RH	ribosomal protein S4
RL00aef307	30468054	NP_848941.1	Cyanidioschyzon merolae strain 10D	ribosomal protein S4
RL00aef307	31442364	NP_852621.1	Eimeria tenella strain Penn State	ribosomal protein S4
RL00aef307	51210012	YP_063676.1	Gracilaria tenuistipitata var. liui	ribosomal protein S4
RL00aef307	71025925	XP_762670.1	Theileria parva strain Muguga	ribosomal protein S4
RL00aef307	71842275	YP_277363.1	Emiliana huxleyi	ribosomal protein S4
RL00aef307	90994410	YP_536900.1	Porphyra yezoensis	ribosomal protein S4
RL00aef307	118411052	YP_874447.1	Phaeodactylum tricornutum	30S ribosomal protein S4

RL00aef307	118411185	YP_874579.1	<i>Thalassiosira pseudonana</i>	30S ribosomal protein S4
RL00aef307	149071984	YP_001293516.1	<i>Rhodomonas salina</i>	ribosomal protein S4
RL00aef307	189095326	YP_001936339.1	<i>Heterosigma akashiwo</i>	30S ribosomal protein S4
RL00aef307	209892902	YP_002290875.1	<i>Babesia bovis</i> T2Bo	hypothetical protein BBOV_V000540
RL00aef307	215400724	YP_002327485.1	<i>Vaucheria litorea</i>	ribosomal protein S4
RL00aef307	242620095	YP_003002099.1	<i>Aureococcus anophagefferens</i>	30S ribosomal protein S4
RL00aef307	242624335	YP_003002253.1	<i>Aureoumbra lagunensis</i>	30S ribosomal protein S4
RL00aef307	269101005	YP_003289153.1	<i>Ectocarpus siliculosus</i>	30S ribosomal protein S4
RL00aef307	283794865	YP_003359218.1	<i>Cryptomonas paramecium</i>	ribosomal protein S4
RL00aef307	299830416	YP_003734631.1	<i>Kryptoperidinium foliaceum</i>	ribosomal protein S4
RL00aef307	299830591	YP_003735040.1	<i>Durinskia baltica</i>	30S ribosomal protein S4
RL00aef307	301500949	YP_003795414.1	<i>Alveolata</i> sp. CCMP3155	ribosomal protein S4
RL00aef307	315320559	YP_004072616.1	<i>Thalassiosira oceanica</i> CCMP1005	30S ribosomal protein S4
RL00aef307	330850892	YP_004376642.1	<i>Fistulifera</i> sp. JPCC DA0580	30S ribosomal protein S4
RL00aef309	11465481	NP_045128.1	<i>Cyanidium caldarium</i>	ribosomal protein S16
RL00aef309	11465818	NP_053962.1	<i>Porphyra purpurea</i>	ribosomal protein S16
RL00aef309	11467477	NP_043623.1	<i>Odontella sinensis</i>	ribosomal protein S16
RL00aef309	11467622	NP_050674.1	<i>Guillardia theta</i>	ribosomal protein S16
RL00aef309	30468118	NP_849005.1	<i>Cyanidioschyzon merolae</i> strain 10D	30S ribosomal protein S16
RL00aef309	51209882	YP_063546.1	<i>Gracilaria tenuistipitata</i> var. <i>liui</i>	30S ribosomal protein S16
RL00aef309	71842288	YP_277376.1	<i>Emiliana huxleyi</i>	ribosomal protein S16
RL00aef309	90994543	YP_537033.1	<i>Porphyra yezoensis</i>	ribosomal protein S16
RL00aef309	118411051	YP_874446.1	<i>Phaeodactylum tricorutum</i>	30S ribosomal protein S16
RL00aef309	118411184	YP_874578.1	<i>Thalassiosira pseudonana</i>	30S ribosomal protein S16
RL00aef309	149072102	YP_001293488.1	<i>Rhodomonas salina</i>	ribosomal protein 16
RL00aef309	189095328	YP_001936341.1	<i>Heterosigma akashiwo</i>	30S ribosomal protein S16
RL00aef309	215400722	YP_002327483.1	<i>Vaucheria litorea</i>	ribosomal protein S16
RL00aef309	242620035	YP_003002039.1	<i>Aureococcus anophagefferens</i>	30S ribosomal protein S16
RL00aef309	242624260	YP_003002178.1	<i>Aureoumbra lagunensis</i>	30S ribosomal protein S16
RL00aef309	269101007	YP_003289155.1	<i>Ectocarpus siliculosus</i>	30S ribosomal protein S16
RL00aef309	283794938	YP_003359291.1	<i>Cryptomonas paramecium</i>	ribosomal protein S16
RL00aef309	299830417	YP_003734632.1	<i>Kryptoperidinium foliaceum</i>	ribosomal protein S16
RL00aef309	299830592	YP_003735039.1	<i>Durinskia baltica</i>	30S ribosomal protein S16
RL00aef309	301500940	YP_003795405.1	<i>Alveolata</i> sp. CCMP3155	ribosomal protein S16
RL00aef309	315320560	YP_004072617.1	<i>Thalassiosira oceanica</i> CCMP1005	30S ribosomal protein S16
RL00aef309	330850893	YP_004376643.1	<i>Fistulifera</i> sp. JPCC DA0580	30S ribosomal protein S16
RL00aef30a	11465482	NP_045127.1	<i>Cyanidium caldarium</i>	putative ribosomal protein 3
RL00aef30a	11465817	NP_053961.1	<i>Porphyra purpurea</i>	putative ribosomal protein 3
RL00aef30a	11467621	NP_050673.1	<i>Guillardia theta</i>	putative ribosomal protein 3
RL00aef30a	30468119	NP_849006.1	<i>Cyanidioschyzon merolae</i> strain 10D	ORF92
RL00aef30a	51209883	YP_063547.1	<i>Gracilaria tenuistipitata</i> var. <i>liui</i>	putative ribosomal protein 3

RL00aef30a	71842289	YP_277377.1	Emiliania huxleyi	putative ribosomal protein 3
RL00aef30a	90994542	YP_537032.1	Porphyra yezoensis	putative ribosomal protein 3
RL00aef30a	149072103	YP_001293487.1	Rhodomonas salina	ORF99
RL00aef30a	189095327	YP_001936340.1	Heterosigma akashiwo	putative ribosomal protein 3
RL00aef30a	215400723	YP_002327484.1	Vaucheria litorea	probable 30S ribosomal protein
RL00aef30a	269101006	YP_003289154.1	Ectocarpus siliculosus	Probable plastid-specific 30S ribosomal protein
RL00aef30b	11465483	NP_045126.1	Cyanidium caldarium	chaperonin GroEL
RL00aef30b	11465815	NP_053959.1	Porphyra purpurea	chaperonin GroEL
RL00aef30b	11467473	NP_043619.1	Odontella sinensis	chaperonin GroEL
RL00aef30b	11467618	NP_050670.1	Guillardia theta	chaperonin GroEL
RL00aef30b	30468120	NP_849007.1	Cyanidioschyzon merolae strain 10D	chaperonin GroEL
RL00aef30b	51209885	YP_063549.1	Gracilaria tenuistipitata var. liui	chaperonin GroEL
RL00aef30b	71842244	YP_277332.1	Emiliania huxleyi	chaperonin GroEL
RL00aef30b	90994540	YP_537030.1	Porphyra yezoensis	chaperonin GroEL
RL00aef30b	118411056	YP_874451.1	Phaeodactylum tricornutum	60 kDa chaperonin
RL00aef30b	118411188	YP_874582.1	Thalassiosira pseudonana	60 kDa chaperonin
RL00aef30b	149071973	YP_001293484.1	Rhodomonas salina	type I chaperonin GroEL
RL00aef30b	189095310	YP_001936323.1	Heterosigma akashiwo	chaperonin GroEL
RL00aef30b	215400813	YP_002327574.1	Vaucheria litorea	60KD chaperonin
RL00aef30b	242620036	YP_003002040.1	Aureococcus anophagefferens	60 kDa chaperonin
RL00aef30b	242624261	YP_003002179.1	Aureoumbra lagunensis	60 kDa chaperonin
RL00aef30b	269101078	YP_003289226.1	Ectocarpus siliculosus	60 kDa chaperone protein
RL00aef30b	283794941	YP_003359294.1	Cryptomonas paramecium	chaperonin GroEL
RL00aef30b	299830433	YP_003734648.1	Kryptoperidinium foliaceum	chaperonin GroEL
RL00aef30b	299830596	YP_003735044.1	Durinskia baltica	60 kDa chaperonin
RL00aef30b	315320556	YP_004072613.1	Thalassiosira oceanica CCMP1005	chaperonin GroEL
RL00aef30b	330850886	YP_004376636.1	Fistulifera sp. JPCC DA0580	60 kDa chaperonin
RL00aef30c	11465484	NP_045125.1	Cyanidium caldarium	photosystem II protein W
RL00aef30c	11465813	NP_053957.1	Porphyra purpurea	photosystem II protein W
RL00aef30c	11467474	NP_043620.1	Odontella sinensis	photosystem II protein W
RL00aef30c	11467617	NP_050669.1	Guillardia theta	photosystem II protein W
RL00aef30c	30468121	NP_849008.1	Cyanidioschyzon merolae strain 10D	photosystem II protein W
RL00aef30c	51209899	YP_063563.1	Gracilaria tenuistipitata var. liui	photosystem II protein W
RL00aef30c	90994538	YP_537028.1	Porphyra yezoensis	photosystem II protein W
RL00aef30c	118411055	YP_874450.1	Phaeodactylum tricornutum	photosystem II subunit
RL00aef30c	118411187	YP_874581.1	Thalassiosira pseudonana	photosystem II subunit
RL00aef30c	149072107	YP_001293482.1	Rhodomonas salina	photosystem II reaction center protein W
RL00aef30c	189095323	YP_001936336.1	Heterosigma akashiwo	photosystem II protein W
RL00aef30c	215400731	YP_002327492.1	Vaucheria litorea	photosystem II protein
RL00aef30c	269101016	YP_003289164.1	Ectocarpus siliculosus	Photosystem II reaction center protein W
RL00aef30c	299830413	YP_003734628.1	Kryptoperidinium foliaceum	photosystem II protein W

RL00aef30c	299830595	YP_003735043.1	Durinskia baltica	photosystem II subunit
RL00aef30c	315320557	YP_004072614.1	Thalassiosira oceanica CCMP1005	photosystem II reaction center protein W
RL00aef30c	330850890	YP_004376640.1	Fistulifera sp. JPCC DA0580	photosystem II subunit
RL00aef30e	11465486	NP_045123.1	Cyanidium caldarium	hypothetical protein CycaCp106
RL00aef30e	11465810	NP_053954.1	Porphyra purpurea	hypothetical protein PopuCp159
RL00aef30e	11467475	NP_043621.1	Odontella sinensis	ORF73
RL00aef30e	30468123	NP_849010.1	Cyanidioschyzon merolae strain 10D	ORF67
RL00aef30e	51209896	YP_063560.1	Gracilaria tenuistipitata var. liui	conserved hypothetical plastid protein
RL00aef30e	71842263	YP_277351.1	Emiliana huxleyi	hypothetical chloroplast RF40
RL00aef30e	90994535	YP_537025.1	Porphyra yezoensis	hypothetical protein 71
RL00aef30e	118411053	YP_874448.1	Phaeodactylum tricornutum	thiamine biosynthesis protein
RL00aef30e	118411186	YP_874580.1	Thalassiosira pseudonana	thiamine biosynthesis protein
RL00aef30e	189095325	YP_001936338.1	Heterosigma akashiwo	thiamine biosynthesis protein S
RL00aef30e	215400729	YP_002327490.1	Vaucheria litorea	hypothetical protein YCF40
RL00aef30e	242620093	YP_003002097.1	Aureococcus anophagefferens	thiamine biosynthesis protein S
RL00aef30e	242624320	YP_003002238.1	Aureoumbra lagunensis	thiamine biosynthesis protein S
RL00aef30e	269101013	YP_003289161.1	Ectocarpus siliculosus	Chloroplast conserved hypothetical protein
RL00aef30e	299830415	YP_003734630.1	Kryptoperidinium foliaceum	thiamine biosynthesis protein
RL00aef30e	299830593	YP_003735041.1	Durinskia baltica	thiamine biosynthesis protein
RL00aef30e	315320558	YP_004072615.1	Thalassiosira oceanica CCMP1005	thiamine biosynthesis protein ThiS
RL00aef30f	11465487	NP_045122.1	Cyanidium caldarium	regulatory component of sensory transduction system
RL00aef30f	11465809	NP_053953.1	Porphyra purpurea	ORF29
RL00aef30f	11467616	NP_050668.1	Guillardia theta	tctD homolog
RL00aef30f	30468124	NP_849011.1	Cyanidioschyzon merolae strain 10D	ompR-like transcriptional regulator
RL00aef30f	51209895	YP_063559.1	Gracilaria tenuistipitata var. liui	tctD transcriptional regulator
RL00aef30f	90994534	YP_537024.1	Porphyra yezoensis	hypothetical chloroplast protein 29
RL00aef30f	149071972	YP_001293481.1	Rhodomonas salina	TctD-like protein
RL00aef30f	283794942	YP_003359295.1	Cryptomonas paramecium	TctD-like protein
RL00aef310	11465488	NP_045121.1	Cyanidium caldarium	global nitrogen regulator
RL00aef310	11465808	NP_053952.1	Porphyra purpurea	ORF28
RL00aef310	90994533	YP_537023.1	Porphyra yezoensis	hypothetical chloroplast protein 28
RL00aef311	11465489	NP_045120.1	Cyanidium caldarium	cytochrome b6
RL00aef311	11465807	NP_053951.1	Porphyra purpurea	cytochrome b6
RL00aef311	11467502	NP_043648.1	Odontella sinensis	cytochrome b6
RL00aef311	11467615	NP_050667.1	Guillardia theta	cytochrome b6
RL00aef311	30468126	NP_849013.1	Cyanidioschyzon merolae strain 10D	cytochrome b6
RL00aef311	51209893	YP_063557.1	Gracilaria tenuistipitata var. liui	cytochrome b6
RL00aef311	71842221	YP_277309.1	Emiliana huxleyi	cytochrome b6
RL00aef311	90994532	YP_537022.1	Porphyra yezoensis	cytochrome b6

RL00aef311	118410998	YP_874393.1	<i>Phaeodactylum tricornutum</i>	cytochrome b6
RL00aef311	118411154	YP_874548.1	<i>Thalassiosira pseudonana</i>	cytochrome b6
RL00aef311	149072108	YP_001293480.1	<i>Rhodomonas salina</i>	cytochrome b6
RL00aef311	189095400	YP_001936413.1	<i>Heterosigma akashiwo</i>	cytochrome b6
RL00aef311	215400725	YP_002327486.1	<i>Vaucheria litorea</i>	cytochrome b6
RL00aef311	242620099	YP_003002103.1	<i>Aureococcus anophagefferens</i>	cytochrome b6
RL00aef311	242624331	YP_003002249.1	<i>Aureoumbra lagunensis</i>	cytochrome b6
RL00aef311	269101103	YP_003289251.1	<i>Ectocarpus siliculosus</i>	cytochrome b6
RL00aef311	299830332	YP_003734547.1	<i>Kryptoperidinium foliaceum</i>	cytochrome b6
RL00aef311	299830537	YP_003734985.1	<i>Durinskia baltica</i>	cytochrome b6
RL00aef311	301500917	YP_003795329.1	<i>Chromera velia</i>	cytochrome b6
RL00aef311	301500995	YP_003795460.1	<i>Alveolata</i> sp. CCMP3155	cytochrome b6
RL00aef311	301500998	YP_003795463.1	<i>Alveolata</i> sp. CCMP3155	cytochrome b6
RL00aef311	315320503	YP_004072559.1	<i>Thalassiosira oceanica</i> CCMP1005	cytochrome b6
RL00aef311	330850835	YP_004376585.1	<i>Fistulifera</i> sp. JPCC DA0580	cytochrome b6
RL00aef312	11465490	NP_045119.1	<i>Cyanidium caldarium</i>	cytochrome b6/f complex subunit IV
RL00aef312	11465806	NP_053950.1	<i>Porphyra purpurea</i>	cytochrome b6/f complex subunit IV
RL00aef312	11467503	NP_043649.1	<i>Odontella sinensis</i>	cytochrome b6/f complex subunit IV
RL00aef312	11467614	NP_050666.1	<i>Guillardia theta</i>	cytochrome b6/f complex subunit IV
RL00aef312	30468127	NP_849014.1	<i>Cyanidioschyzon merolae</i> strain 10D	cytochrome b6/f complex subunit IV
RL00aef312	51209892	YP_063556.1	<i>Gracilaria tenuistipitata</i> var. liui	cytochrome b6/f complex subunit IV
RL00aef312	71842222	YP_277310.1	<i>Emiliana huxleyi</i>	cytochrome b6/f complex subunit IV
RL00aef312	90994531	YP_537021.1	<i>Porphyra yezoensis</i>	cytochrome b6/f complex subunit IV
RL00aef312	118410997	YP_874392.1	<i>Phaeodactylum tricornutum</i>	cytochrome b6-f complex subunit IV
RL00aef312	118411155	YP_874549.1	<i>Thalassiosira pseudonana</i>	cytochrome b6-f complex subunit IV
RL00aef312	149072109	YP_001293479.1	<i>Rhodomonas salina</i>	cytochrome b6-f complex subunit IV
RL00aef312	189095401	YP_001936414.1	<i>Heterosigma akashiwo</i>	cytochrome b6/f complex subunit IV
RL00aef312	215400726	YP_002327487.1	<i>Vaucheria litorea</i>	cytochrome b6/f complex subunit 4
RL00aef312	242620098	YP_003002102.1	<i>Aureococcus anophagefferens</i>	cytochrome b6-f complex subunit IV
RL00aef312	242624332	YP_003002250.1	<i>Aureoumbra lagunensis</i>	cytochrome b6-f complex subunit IV
RL00aef312	269101104	YP_003289252.1	<i>Ectocarpus siliculosus</i>	Cytochrome b6-f complex subunit 4
RL00aef312	299830331	YP_003734546.1	<i>Kryptoperidinium foliaceum</i>	cytochrome b6/f complex subunit IV
RL00aef312	299830536	YP_003734984.1	<i>Durinskia baltica</i>	cytochrome b6-f complex subunit IV
RL00aef312	301500850	YP_003795262.1	<i>Chromera velia</i>	cytochrome b6/f complex subunit IV
RL00aef312	301500941	YP_003795406.1	<i>Alveolata</i> sp. CCMP3155	cytochrome b6/f complex subunit IV
RL00aef312	315320502	YP_004072558.1	<i>Thalassiosira oceanica</i> CCMP1005	cytochrome b6-f complex subunit IV
RL00aef312	330850836	YP_004376586.1	<i>Fistulifera</i> sp. JPCC DA0580	cytochrome b6-f complex subunit IV
RL00aef313	11465491	NP_045118.1	<i>Cyanidium caldarium</i>	ribosomal protein L12
RL00aef313	11465805	NP_053949.1	<i>Porphyra purpurea</i>	ribosomal protein L12
RL00aef313	11467547	NP_043693.1	<i>Odontella sinensis</i>	ribosomal protein L12
RL00aef313	11467613	NP_050665.1	<i>Guillardia theta</i>	ribosomal protein L12

RL00aef313	30468132	NP_849019.1	Cyanidioschyzon merolae strain 10D	ribosomal protein L12
RL00aef313	51209891	YP_063555.1	Gracilaria tenuistipitata var. liui	ribosomal protein L12
RL00aef313	90994530	YP_537020.1	Porphyra yezoensis	ribosomal protein L12
RL00aef313	118411000	YP_874395.1	Phaeodactylum tricornutum	50S ribosomal protein L12
RL00aef313	118411125	YP_874519.1	Thalassiosira pseudonana	50S ribosomal protein L12
RL00aef313	149071971	YP_001293478.1	Rhodomonas salina	ribosomal protein L12
RL00aef313	189095316	YP_001936329.1	Heterosigma akashiwo	ribosomal protein L12
RL00aef313	215400736	YP_002327497.1	Vaucheria litorea	ribosomal protein L12
RL00aef313	269101021	YP_003289169.1	Ectocarpus siliculosus	50S ribosomal protein L12
RL00aef313	283794932	YP_003359285.1	Cryptomonas paramecium	ribosomal protein L12
RL00aef313	299830334	YP_003734549.1	Kryptoperidinium foliaceum	ribosomal protein L12
RL00aef313	299830539	YP_003734987.1	Durinskia baltica	50S ribosomal protein L12
RL00aef313	315320477	YP_004072533.1	Thalassiosira oceanica CCMP1005	50S ribosomal protein L7/L12
RL00aef313	330850833	YP_004376583.1	Fistulifera sp. JPCP DA0580	50S ribosomal protein L12

RL00aef314	11465492	NP_045117.1	Cyanidium caldarium	ribosomal protein L1
RL00aef314	11465804	NP_053948.1	Porphyra purpurea	ribosomal protein L1
RL00aef314	11467548	NP_043694.1	Odontella sinensis	ribosomal protein L1
RL00aef314	11467612	NP_050664.1	Guillardia theta	ribosomal protein L1
RL00aef314	30468131	NP_849018.1	Cyanidioschyzon merolae strain 10D	ribosomal protein L1
RL00aef314	51209890	YP_063554.1	Gracilaria tenuistipitata var. liui	ribosomal protein L1
RL00aef314	90994529	YP_537019.1	Porphyra yezoensis	ribosomal protein L1
RL00aef314	118411001	YP_874396.1	Phaeodactylum tricornutum	50S ribosomal protein L1
RL00aef314	118411124	YP_874518.1	Thalassiosira pseudonana	50S ribosomal protein L1
RL00aef314	149071970	YP_001293477.1	Rhodomonas salina	ribosomal protein L1
RL00aef314	189095317	YP_001936330.1	Heterosigma akashiwo	ribosomal protein L1
RL00aef314	215400735	YP_002327496.1	Vaucheria litorea	ribosomal protiein L1
RL00aef314	242620097	YP_003002101.1	Aureococcus anophagefferens	50S ribosomal protein L1
RL00aef314	242624333	YP_003002251.1	Aureoumbra lagunensis	50S ribosomal protein L1
RL00aef314	269101020	YP_003289168.1	Ectocarpus siliculosus	50S ribosomal protein L1
RL00aef314	283794931	YP_003359284.1	Cryptomonas paramecium	ribosomal protein L1
RL00aef314	299830335	YP_003734550.1	Kryptoperidinium foliaceum	50S ribosomal protein L1
RL00aef314	299830540	YP_003734988.1	Durinskia baltica	50S ribosomal protein L1
RL00aef314	315320476	YP_004072532.1	Thalassiosira oceanica CCMP1005	50S ribosomal protein L1
RL00aef314	330850832	YP_004376582.1	Fistulifera sp. JPCP DA0580	50S ribosomal protein L1

RL00aef315	11465493	NP_045116.1	Cyanidium caldarium	ribosomal protein L11
RL00aef315	11465803	NP_053947.1	Porphyra purpurea	ribosomal protein L11
RL00aef315	11467549	NP_043695.1	Odontella sinensis	ribosomal protein L11
RL00aef315	11467611	NP_050663.1	Guillardia theta	ribosomal protein L11
RL00aef315	11496550	NP_044561.1	Toxoplasma gondii RH	ribosomal protein L11
RL00aef315	30468130	NP_849017.1	Cyanidioschyzon merolae strain 10D	ribosomal protein L11
RL00aef315	51209889	YP_063553.1	Gracilaria tenuistipitata var. liui	ribosomal protein L11

RL00aef315	71842312	YP_277400.1	<i>Emiliania huxleyi</i>	hypothetical protein EmhuCp092
RL00aef315	90994528	YP_537018.1	<i>Porphyra yezoensis</i>	ribosomal protein L11
RL00aef315	118411002	YP_874397.1	<i>Phaeodactylum tricornutum</i>	50S ribosomal protein L11
RL00aef315	118411123	YP_874517.1	<i>Thalassiosira pseudonana</i>	50S ribosomal protein L11
RL00aef315	126022809	NP_852638.2	<i>Eimeria tenella</i> strain Penn State	ribosomal protein L11
RL00aef315	149071969	YP_001293476.1	<i>Rhodomonas salina</i>	ribosomal protein L11
RL00aef315	189095318	YP_001936331.1	<i>Heterosigma akashiwo</i>	ribosomal protein L11
RL00aef315	209892886	YP_002290859.1	<i>Babesia bovis</i> T2Bo	hypothetical protein BBOV_V000290
RL00aef315	215400734	YP_002327495.1	<i>Vaucheria litorea</i>	ribosomal protein L11
RL00aef315	242620096	YP_003002100.1	<i>Aureococcus anophagefferens</i>	50S ribosomal protein L11
RL00aef315	242624334	YP_003002252.1	<i>Aureoumbra lagunensis</i>	50S ribosomal protein L11
RL00aef315	269101019	YP_003289167.1	<i>Ectocarpus siliculosus</i>	50S ribosomal protein L11
RL00aef315	283794930	YP_003359283.1	<i>Cryptomonas paramecium</i>	ribosomal protein L11
RL00aef315	299830336	YP_003734551.1	<i>Kryptoperidinium foliaceum</i>	50S ribosomal protein L11
RL00aef315	299830541	YP_003734989.1	<i>Durinskia baltica</i>	50S ribosomal protein L11
RL00aef315	301500897	YP_003795309.1	<i>Chromera velia</i>	ribosomal protein L11
RL00aef315	301500948	YP_003795413.1	<i>Alveolata</i> sp. CCMP3155	ribosomal protein L11
RL00aef315	315320475	YP_004072531.1	<i>Thalassiosira oceanica</i> CCMP1005	50S ribosomal protein L11
RL00aef315	330850831	YP_004376581.1	<i>Fistulifera</i> sp. JPCC DA0580	50S ribosomal protein L11
RL00aef316	11465494	NP_045115.1	<i>Cyanidium caldarium</i>	photochlorophyllide reductase subunit ChIN
RL00aef316	11465801	NP_053945.1	<i>Porphyra purpurea</i>	molybdopterin biosynthesis protein
RL00aef316	51209888	YP_063552.1	<i>Gracilaria tenuistipitata</i> var. <i>liui</i>	molybdopterin biosynthesis protein
RL00aef316	90994527	YP_537017.1	<i>Porphyra yezoensis</i>	hypothetical protein 382
RL00aef317	11465495	NP_045114.1	<i>Cyanidium caldarium</i>	replication helicase subunit
RL00aef317	11465799	NP_053943.1	<i>Porphyra purpurea</i>	replication helicase subunit
RL00aef317	11467551	NP_043697.1	<i>Odontella sinensis</i>	replication helicase subunit
RL00aef317	11467610	NP_050662.1	<i>Guillardia theta</i>	replication helicase subunit
RL00aef317	30468128	NP_849015.1	<i>Cyanidioschyzon merolae</i> strain 10D	replication helicase subunit
RL00aef317	51209901	YP_063565.1	<i>Gracilaria tenuistipitata</i> var. <i>liui</i>	replicative DNA helicase
RL00aef317	90994525	YP_537015.1	<i>Porphyra yezoensis</i>	replication helicase subunit
RL00aef317	118411003	YP_874398.1	<i>Phaeodactylum tricornutum</i>	DNA replication helicase
RL00aef317	118411122	YP_874516.1	<i>Thalassiosira pseudonana</i>	DNA replication helicase
RL00aef317	149072110	YP_001293475.1	<i>Rhodomonas salina</i>	DNA replication helicase
RL00aef317	189095388	YP_001936401.1	<i>Heterosigma akashiwo</i>	DNA replication helicase
RL00aef317	215400733	YP_002327494.1	<i>Vaucheria litorea</i>	DNA-replication helicase
RL00aef317	269101018	YP_003289166.1	<i>Ectocarpus siliculosus</i>	Replication helicase subunit
RL00aef317	299830337	YP_003734552.1	<i>Kryptoperidinium foliaceum</i>	DNA replication helicase
RL00aef317	299830542	YP_003734990.1	<i>Durinskia baltica</i>	DNA replication helicase
RL00aef317	315320474	YP_004072530.1	<i>Thalassiosira oceanica</i> CCMP1005	replicative DNA helicase DnaB
RL00aef317	330850830	YP_004376580.1	<i>Fistulifera</i> sp. JPCC DA0580	DNA replication helicase

RL00aef319	11465497	NP_045112.1	Cyanidium caldarium	Clp protease ATP binding subunit
RL00aef319	11465798	NP_053942.1	Porphyra purpurea	Clp protease ATP binding subunit
RL00aef319	11467441	NP_043587.1	Odontella sinensis	Clp protease ATP binding subunit
RL00aef319	11467609	NP_050661.1	Guillardia theta	Clp protease ATP binding subunit
RL00aef319	11496552	NP_044564.1	Toxoplasma gondii RH	Clp protease ATP binding subunit
RL00aef319	30468134	NP_849021.1	Cyanidioschyzon merolae strain 10D	Clp protease ATP binding subunit
RL00aef319	31442384	NP_852641.1	Eimeria tenella strain Penn State	Clp protease ATP binding subunit
RL00aef319	51209900	YP_063564.1	Gracilaria tenuistipitata var. liui	Clp protease ATP binding subunit
RL00aef319	71842249	YP_277337.1	Emiliana huxleyi	Clp protease ATP binding subunit
RL00aef319	90994524	YP_537014.1	Porphyra yezoensis	Clp protease ATP binding subunit
RL00aef319	118411088	YP_874483.1	Phaeodactylum tricornutum	ATP-dependent clp protease ATP-binding subunit
RL00aef319	118411220	YP_874614.1	Thalassiosira pseudonana	ATP-dependent clp protease ATP-binding subunit
RL00aef319	149071968	YP_001293474.1	Rhodomonas salina	Clp protease ATP binding subunit
RL00aef319	189095390	YP_001936403.1	Heterosigma akashiwo	Clp protease ATP binding subunit
RL00aef319	215400791	YP_002327552.1	Vaucheria litorea	caseinolytic-like Clp protease
RL00aef319	242620119	YP_003002123.1	Aureococcus anophagefferens	ATP-dependent clp protease ATP-binding subunit
RL00aef319	242624367	YP_003002285.1	Aureoumbra lagunensis	ATP-dependent clp protease ATP-binding subunit
RL00aef319	269101123	YP_003289271.1	Ectocarpus siliculosus	ATP-dependent Clp protease ATP-binding subunit clpA homolog
RL00aef319	283794929	YP_003359282.1	Cryptomonas paramecium	Clp protease ATP binding subunit
RL00aef319	299830407	YP_003734622.1	Kryptoperidinium foliaceum	Clp protease ATP binding subunit
RL00aef319	299830628	YP_003735076.1	Durinskia baltica	ATP-dependent clp protease ATP-binding subunit
RL00aef319	301500946	YP_003795411.1	Alveolata sp. CCMP3155	Clp protease ATP binding subunit
RL00aef319	315320555	YP_004072612.1	Thalassiosira oceanica CCMP1005	chaperonin ClpC
RL00aef319	315320594	YP_004072651.1	Thalassiosira oceanica CCMP1005	chaperonin ClpC
RL00aef319	330850854	YP_004376604.1	Fistulifera sp. JPCC DA0580	Clp-family ATP-binding protease

RL00aef31a	11465498	NP_045111.1	Cyanidium caldarium	ribosomal protein L19
RL00aef31a	11465797	NP_053941.1	Porphyra purpurea	ribosomal protein L19
RL00aef31a	11467556	NP_043702.1	Odontella sinensis	ribosomal protein L19
RL00aef31a	11467608	NP_050660.1	Guillardia theta	ribosomal protein L19
RL00aef31a	30468135	NP_849022.1	Cyanidioschyzon merolae strain 10D	ribosomal protein L19
RL00aef31a	51209903	YP_063567.1	Gracilaria tenuistipitata var. liui	ribosomal protein L19
RL00aef31a	71842234	YP_277322.1	Emiliana huxleyi	ribosomal protein L19
RL00aef31a	90994523	YP_537013.1	Porphyra yezoensis	ribosomal protein L19
RL00aef31a	118411007	YP_874402.1	Phaeodactylum tricornutum	50S ribosomal protein L19
RL00aef31a	118411099	YP_874493.1	Thalassiosira pseudonana	50S ribosomal protein L19
RL00aef31a	149072111	YP_001293473.1	Rhodomonas salina	ribosomal protein L19
RL00aef31a	189095371	YP_001936384.1	Heterosigma akashiwo	ribosomal protein L19
RL00aef31a	215400790	YP_002327551.1	Vaucheria litorea	ribosomal protein L19
RL00aef31a	269101072	YP_003289220.1	Ectocarpus siliculosus	50S ribosomal protein L19
RL00aef31a	283794928	YP_003359281.1	Cryptomonas paramecium	ribosomal protein L19
RL00aef31a	299830341	YP_003734556.1	Kryptoperidinium foliaceum	ribosomal protein L19
RL00aef31a	299830546	YP_003734994.1	Durinskia baltica	50S ribosomal protein L19

RL00aef31a	315320538	YP_004072594.1	Thalassiosira oceanica CCMP1005	50S ribosomal protein L19
RL00aef31a	330850826	YP_004376576.1	Fistulifera sp. JPCC DA0580	50S ribosomal protein L19
RL00aef31b	11465499	NP_045110.1	Cyanidium caldarium	hypothetical protein CycaCp093
RL00aef31b	11465821	NP_053965.1	Porphyra purpurea	ORF17
RL00aef31b	11467624	NP_050676.1	Guillardia theta	hypothetical chloroplast RF17
RL00aef31b	30468136	NP_849023.1	Cyanidioschyzon merolae strain 10D	ELIP-like protein
RL00aef31b	31442375	NP_852632.1	Eimeria tenella strain Penn State	ribosomal protein L36
RL00aef31b	90994546	YP_537036.1	Porphyra yezoensis	hypothetical chloroplast protein 17
RL00aef31b	149071974	YP_001293490.1	Rhodomonas salina	high light inducible protein
RL00aef31b	189095342	YP_001936355.1	Heterosigma akashiwo	ELIP like protein
RL00aef31b	215400720	YP_002327481.1	Vaucheria litorea	CAB/ELIP/HLIP-like protein
RL00aef31b	269101009	YP_003289157.1	Ectocarpus siliculosus	Chloroplast conserved hypothetical protein
RL00aef31b	299830629	YP_003735077.1	Durinskia baltica	truncated cytochrome c biogenesis protein
RL00aef31c	11465500	NP_045109.1	Cyanidium caldarium	2-succinyl-6-hydroxy-2,4-cyclohexadiene-1-carboxylate synthase
RL00aef31c	30468139	NP_849026.1	Cyanidioschyzon merolae strain 10D	2-succinyl-6-hydroxy-2, 4-cyclohexadiene-1-carboxylate synthase
RL00aef31d	11465501	NP_045108.1	Cyanidium caldarium	isochorismate synthase
RL00aef31d	30468138	NP_849025.1	Cyanidioschyzon merolae strain 10D	menaquinone-specific isochorismate synthase
RL00aef31e	11465502	NP_045107.1	Cyanidium caldarium	naphthoate synthase
RL00aef31e	30468137	NP_849024.1	Cyanidioschyzon merolae strain 10D	naphthoate synthase
RL00aef31f	11465503	NP_045106.1	Cyanidium caldarium	menaquinone biosynthesis protein
RL00aef31f	11465548	NP_045060.1	Cyanidium caldarium	hypothetical protein CycaCp043
RL00aef31f	11465669	NP_053813.1	Porphyra purpurea	hypothetical protein PopuCp018
RL00aef31f	30468140	NP_849027.1	Cyanidioschyzon merolae strain 10D	1,4-dihydroxy 2-naphthoate octaprenyltransferase
RL00aef31f	51209858	YP_063522.1	Gracilaria tenuistipitata var. liui	conserved hypothetical plastid protein
RL00aef31f	71026018	XP_762712.1	Theileria parva strain Muguga	DNA-directed RNA polymerase subunit beta"
RL00aef31f	71842262	YP_277350.1	Emiliana huxleyi	hypothetical chloroplast RF55
RL00aef31f	90994394	YP_536884.1	Porphyra yezoensis	hypothetical protein 320
RL00aef31f	209892872	YP_002290845.1	Babesia bovis T2Bo	hypothetical protein BBOV_V000100
RL00aef322	11465506	NP_045103.1	Cyanidium caldarium	hypothetical protein CycaCp086
RL00aef322	30468143	NP_849030.1	Cyanidioschyzon merolae strain 10D	ORF124
RL00aef322	299830431	YP_003734646.1	Kryptoperidinium foliaceum	hypothetical protein KrfoC_p136
RL00aef323	11465507	NP_045102.1	Cyanidium caldarium	hypothetical protein CycaCp085
RL00aef323	30468145	NP_849032.1	Cyanidioschyzon merolae strain 10D	probable glycosyl transferase
RL00aef324	11465508	NP_045101.1	Cyanidium caldarium	acetohydroxyacid synthase large subunit
RL00aef324	11465796	NP_053940.1	Porphyra purpurea	acetohydroxyacid synthase large subunit

RL00aef324	11467754	NP_050806.1	Guillardia theta	acetoxyacid synthase large subunit
RL00aef324	30468146	NP_849033.1	Cyanidioschyzon merolae strain 10D	acetoxyacid synthase large subunit
RL00aef324	51209904	YP_063568.1	Gracilaria tenuistipitata var. liui	acetoxyacid synthase large subunit
RL00aef324	90994522	YP_537012.1	Porphyra yezoensis	acetoxyacid synthase large subunit
RL00aef324	149071967	YP_001293618.1	Rhodomonas salina	acetoxyacid synthetase large subunit
RL00aef324	189095319	YP_001936332.1	Heterosigma akashiwo	acetoxyacid synthase large subunit
RL00aef324	215400728	YP_002327489.1	Vaucheria litorea	acetoxy acid synthase large subunit
RL00aef324	242620077	YP_003002081.1	Aureococcus anophagefferens	acetolactate synthase large subunit
RL00aef324	242624303	YP_003002221.1	Aureoumbra lagunensis	acetolactate synthase large subunit
RL00aef324	269101004	YP_003289152.1	Ectocarpus siliculosus	acetolactate synthase large subunit
RL00aef324	283794927	YP_003359280.1	Cryptomonas paramecium	acetoxyacid synthase large subunit
RL00aef325	11465509	NP_045100.1	Cyanidium caldarium	photosystem II 47 kDa protein
RL00aef325	11465788	NP_053932.1	Porphyra purpurea	photosystem II 47 kDa protein
RL00aef325	11467517	NP_043663.1	Odontella sinensis	photosystem II 47 kDa protein
RL00aef325	11467747	NP_050799.1	Guillardia theta	photosystem II 47 kDa protein
RL00aef325	30468148	NP_849035.1	Cyanidioschyzon merolae strain 10D	photosystem II 47 kDa protein
RL00aef325	51209912	YP_063576.1	Gracilaria tenuistipitata var. liui	photosystem II 47 kDa protein
RL00aef325	71842254	YP_277342.1	Emiliana huxleyi	photosystem II 47 kDa protein
RL00aef325	90994514	YP_537004.1	Porphyra yezoensis	photosystem II 47 kDa protein
RL00aef325	118410992	YP_874387.1	Phaeodactylum tricornutum	photosystem II chlorophyll A core antenna apoprotein
RL00aef325	118411113	YP_874507.1	Thalassiosira pseudonana	photosystem II chlorophyll A core antenna apoprotein
RL00aef325	149072038	YP_001293610.1	Rhodomonas salina	photosystem II CP47 chlorophyll apoprotein
RL00aef325	189095441	YP_001936454.1	Heterosigma akashiwo	photosystem II 47 kDa protein
RL00aef325	215400739	YP_002327500.1	Vaucheria litorea	PSII CP47 chlorophyll apoprotein
RL00aef325	242620069	YP_003002073.1	Aureococcus anophagefferens	photosystem II p680 chlorophyll A apoprotein (CP-47)
RL00aef325	242624295	YP_003002213.1	Aureoumbra lagunensis	photosystem II p680 chlorophyll A apoprotein (CP-47)
RL00aef325	269101023	YP_003289171.1	Ectocarpus siliculosus	Photosystem II chlorophyll A core antenna apoprotein CP47
RL00aef325	299830326	YP_003734541.1	Kryptoperidinium foliaceum	photosystem II P680 chlorophyll A apoprotein
RL00aef325	299830531	YP_003734979.1	Durinskia baltica	photosystem II chlorophyll A core antenna apoprotein
RL00aef325	301500852	YP_003795264.1	Chromera velia	photosystem II 47 kDa protein
RL00aef325	301500955	YP_003795420.1	Alveolata sp. CCMP3155	photosystem II 47 kDa protein
RL00aef325	315320519	YP_004072575.1	Thalassiosira oceanica CCMP1005	photosystem II CP47 chlorophyll apoprotein
RL00aef325	330850936	YP_004376686.1	Fistulifera sp. JPCC DA0580	photosystem II chlorophyll A core antenna apoprotein
RL00aef326	11465510	NP_045099.1	Cyanidium caldarium	photosystem II protein T
RL00aef326	11465789	NP_053933.1	Porphyra purpurea	photosystem II protein T
RL00aef326	11467518	NP_043664.1	Odontella sinensis	photosystem II protein T
RL00aef326	11467748	NP_050800.1	Guillardia theta	photosystem II protein T
RL00aef326	30468149	NP_849036.1	Cyanidioschyzon merolae strain 10D	photosystem II protein T
RL00aef326	51209911	YP_063575.1	Gracilaria tenuistipitata var. liui	photosystem II protein T
RL00aef326	71842255	YP_277343.1	Emiliana huxleyi	photosystem II protein T
RL00aef326	90994515	YP_537005.1	Porphyra yezoensis	photosystem II protein T

RL00aef326	118410991	YP_874386.1	<i>Phaeodactylum tricornutum</i>	photosystem II protein T
RL00aef326	118411114	YP_874508.1	<i>Thalassiosira pseudonana</i>	photosystem II protein T
RL00aef326	149072039	YP_001293611.1	<i>Rhodomonas salina</i>	photosystem II protein T
RL00aef326	189095440	YP_001936453.1	<i>Heterosigma akashiwo</i>	photosystem II protein T
RL00aef326	215400740	YP_002327501.1	<i>Vaucheria litorea</i>	PSII protein T
RL00aef326	242620070	YP_003002074.1	<i>Aureococcus anophagefferens</i>	photosystem II protein T
RL00aef326	242624296	YP_003002214.1	<i>Aureoumbra lagunensis</i>	photosystem II protein T
RL00aef326	269101024	YP_003289172.1	<i>Ectocarpus siliculosus</i>	Photosystem II reaction center protein T
RL00aef326	299830325	YP_003734540.1	<i>Kryptoperidinium foliaceum</i>	photosystem II protein T
RL00aef326	299830631	YP_003734978.1	<i>Durinskia baltica</i>	photosystem II protein T
RL00aef326	301500913	YP_003795325.1	<i>Chromera velia</i>	photosystem II protein T
RL00aef326	301500989	YP_003795454.1	<i>Alveolata</i> sp. CCMP3155	photosystem II protein T
RL00aef326	301501004	YP_003795469.1	<i>Alveolata</i> sp. CCMP3155	photosystem II protein T
RL00aef326	315320520	YP_004072576.1	<i>Thalassiosira oceanica</i> CCMP1005	photosystem II reaction center protein T
RL00aef326	330850935	YP_004376685.1	<i>Fistulifera</i> sp. JPCC DA0580	photosystem II protein T
RL00aef327	11465511	NP_045098.1	<i>Cyanidium caldarium</i>	photosystem II protein N
RL00aef327	11465790	NP_053934.1	<i>Porphyra purpurea</i>	photosystem II protein N
RL00aef327	11467519	NP_043665.1	<i>Odontella sinensis</i>	photosystem II protein N
RL00aef327	11467749	NP_050801.1	<i>Guillardia theta</i>	photosystem II protein N
RL00aef327	30468150	NP_849037.1	<i>Cyanidioschyzon merolae</i> strain 10D	photosystem II protein N
RL00aef327	51209910	YP_063574.1	<i>Gracilaria tenuistipitata</i> var. liui	photosystem II reaction center protein N
RL00aef327	71842256	YP_277344.1	<i>Emiliana huxleyi</i>	photosystem II protein N
RL00aef327	90994516	YP_537006.1	<i>Porphyra yezoensis</i>	photosystem II protein N
RL00aef327	118410990	YP_874385.1	<i>Phaeodactylum tricornutum</i>	photosystem II protein N
RL00aef327	118411115	YP_874509.1	<i>Thalassiosira pseudonana</i>	photosystem II protein N
RL00aef327	149072043	YP_001293612.1	<i>Rhodomonas salina</i>	photosystem II protein N
RL00aef327	189095439	YP_001936452.1	<i>Heterosigma akashiwo</i>	photosystem II protein N
RL00aef327	215400741	YP_002327502.1	<i>Vaucheria litorea</i>	PSII protein N
RL00aef327	242620071	YP_003002075.1	<i>Aureococcus anophagefferens</i>	photosystem II protein N
RL00aef327	242624297	YP_003002215.1	<i>Aureoumbra lagunensis</i>	photosystem II protein N
RL00aef327	269101025	YP_003289173.1	<i>Ectocarpus siliculosus</i>	Photosystem II reaction center protein N
RL00aef327	299830324	YP_003734539.1	<i>Kryptoperidinium foliaceum</i>	photosystem II protein N
RL00aef327	299830530	YP_003734977.1	<i>Durinskia baltica</i>	photosystem II protein N
RL00aef327	301500884	YP_003795296.1	<i>Chromera velia</i>	photosystem II protein N
RL00aef327	301500928	YP_003795393.1	<i>Alveolata</i> sp. CCMP3155	photosystem II protein N
RL00aef327	315320521	YP_004072577.1	<i>Thalassiosira oceanica</i> CCMP1005	photosystem II reaction center protein N
RL00aef327	330850934	YP_004376684.1	<i>Fistulifera</i> sp. JPCC DA0580	photosystem II protein N
RL00aef328	11465512	NP_045097.1	<i>Cyanidium caldarium</i>	photosystem II protein H
RL00aef328	11465791	NP_053935.1	<i>Porphyra purpurea</i>	photosystem II protein H
RL00aef328	11467520	NP_043666.1	<i>Odontella sinensis</i>	photosystem II protein H
RL00aef328	11467750	NP_050802.1	<i>Guillardia theta</i>	photosystem II protein H

RL00aef328	30468151	NP_849038.1	Cyanidioschyzon merolae strain 10D	photosystem II protein H
RL00aef328	51209909	YP_063573.1	Gracilaria tenuistipitata var. liui	photosystem II protein H
RL00aef328	71842257	YP_277345.1	Emiliana huxleyi	photosystem II protein H
RL00aef328	90994517	YP_537007.1	Porphyra yezoensis	photosystem II protein H
RL00aef328	118410989	YP_874384.1	Phaeodactylum tricornutum	photosystem II 10 kDa phosphoprotein
RL00aef328	118411116	YP_874510.1	Thalassiosira pseudonana	photosystem II 10 kDa phosphoprotein
RL00aef328	149072040	YP_001293614.1	Rhodomonas salina	photosystem II phosphoprotein
RL00aef328	189095438	YP_001936451.1	Heterosigma akashiwo	photosystem II protein H
RL00aef328	215400742	YP_002327503.1	Vaucheria litorea	PSII phosphoprotein
RL00aef328	242620072	YP_003002076.1	Aureococcus anophagefferens	photosystem II 10 kDa phosphoprotein
RL00aef328	242624298	YP_003002216.1	Aureoumbra lagunensis	photosystem II 10 kDa phosphoprotein
RL00aef328	269101026	YP_003289174.1	Ectocarpus siliculosus	Photosystem II reaction center protein H
RL00aef328	299830323	YP_003734538.1	Kryptoperidinium foliaceum	photosystem II protein H
RL00aef328	299830529	YP_003734976.1	Durinskia baltica	photosystem II 10 kDa phosphoprotein
RL00aef328	301500918	YP_003795330.1	Chromera velia	photosystem II protein H
RL00aef328	301500929	YP_003795394.1	Alveolata sp. CCMP3155	photosystem II protein H
RL00aef328	315320522	YP_004072578.1	Thalassiosira oceanica CCMP1005	photosystem II reaction center protein H
RL00aef328	330850933	YP_004376683.1	Fistulifera sp. JPCC DA0580	photosystem II 10 kDa phosphoprotein

RL00aef329	11465513	NP_045096.1	Cyanidium caldarium	photosystem I subunit IV
RL00aef329	11465792	NP_053936.1	Porphyra purpurea	photosystem I subunit IV
RL00aef329	11467495	NP_043641.1	Odontella sinensis	photosystem I subunit IV
RL00aef329	11467751	NP_050803.1	Guillardia theta	photosystem I subunit IV
RL00aef329	30468152	NP_849039.1	Cyanidioschyzon merolae strain 10D	photosystem I subunit IV
RL00aef329	51209908	YP_063572.1	Gracilaria tenuistipitata var. liui	photosystem I subunit IV
RL00aef329	90994518	YP_537008.1	Porphyra yezoensis	photosystem I subunit IV
RL00aef329	118411033	YP_874428.1	Phaeodactylum tricornutum	photosystem I reaction center subunit IV
RL00aef329	118411117	YP_874511.1	Thalassiosira pseudonana	photosystem I reaction center subunit IV
RL00aef329	149072042	YP_001293615.1	Rhodomonas salina	photosystem I subunit IV
RL00aef329	189095437	YP_001936450.1	Heterosigma akashiwo	photosystem I subunit IV
RL00aef329	215400738	YP_002327498.1	Vaucheria litorea	PSI subunit IV
RL00aef329	269101028	YP_003289176.1	Ectocarpus siliculosus	Photosystem I reaction center subunit IV
RL00aef329	299830368	YP_003734583.1	Kryptoperidinium foliaceum	photosystem I subunit IV
RL00aef329	299830571	YP_003735019.1	Durinskia baltica	photosystem I reaction center subunit IV
RL00aef329	315320523	YP_004072579.1	Thalassiosira oceanica CCMP1005	photosystem I reaction center subunit IV
RL00aef329	330850842	YP_004376592.1	Fistulifera sp. JPCC DA0580	photosystem I reaction center subunit IV

RL00aef32b	11465515	NP_045094.1	Cyanidium caldarium	cell division protein
RL00aef32b	11465793	NP_053937.1	Porphyra purpurea	cell division protein
RL00aef32b	11467496	NP_043642.1	Odontella sinensis	ORF 644
RL00aef32b	11467752	NP_050804.1	Guillardia theta	cell division protein
RL00aef32b	30468153	NP_849040.1	Cyanidioschyzon merolae strain 10D	cell division protein ftsH homolog
RL00aef32b	51209907	YP_063571.1	Gracilaria tenuistipitata var. liui	cell division protein

RL00aef32b	90994519	YP_537009.1	Porphyra yezoensis	cell division protein
RL00aef32b	118411032	YP_874427.1	Phaeodactylum tricornutum	cell division protein FtsH-like protein
RL00aef32b	118411141	YP_874535.1	Thalassiosira pseudonana	cell division protein FtsH-like protein
RL00aef32b	149072041	YP_001293616.1	Rhodomonas salina	cell division protein
RL00aef32b	189095436	YP_001936449.1	Heterosigma akashiwo	cell division protein
RL00aef32b	215400737	YP_002327499.1	Vaucheria litorea	putative cell division protein FtsH
RL00aef32b	269101027	YP_003289175.1	Ectocarpus siliculosus	Probable chloroplast ATP-dependent protease
RL00aef32b	299830367	YP_003734582.1	Kryptoperidinium foliaceum	cell division protein
RL00aef32b	299830570	YP_003735018.1	Durinskia baltica	cell division protein FtsH-like protein
RL00aef32b	315320470	YP_004072526.1	Thalassiosira oceanica CCMP1005	metallo-endopeptidase FtsH
RL00aef32b	330850841	YP_004376591.1	Fistulifera sp. JPCC DA0580	cell division protein FtsH-like protein
RL00aef32c	11465516	NP_045093.1	Cyanidium caldarium	acyl carrier protein
RL00aef32c	11465746	NP_053890.1	Porphyra purpurea	acyl carrier protein
RL00aef32c	11467490	NP_043636.1	Odontella sinensis	acyl carrier protein
RL00aef32c	11467714	NP_050766.1	Guillardia theta	acyl carrier protein
RL00aef32c	30468154	NP_849041.1	Cyanidioschyzon merolae strain 10D	acyl carrier protein
RL00aef32c	51209953	YP_063617.1	Gracilaria tenuistipitata var. liui	acyl carrier protein
RL00aef32c	90994472	YP_536962.1	Porphyra yezoensis	acyl carrier protein
RL00aef32c	118411038	YP_874433.1	Phaeodactylum tricornutum	acyl carrier protein P
RL00aef32c	149072007	YP_001293577.1	Rhodomonas salina	acyl carrier protein
RL00aef32c	189095290	YP_001936303.1	Heterosigma akashiwo	acyl carrier protein
RL00aef32c	189095354	YP_001936367.1	Heterosigma akashiwo	acyl carrier protein
RL00aef32c	215400828	YP_002327589.1	Vaucheria litorea	acyl carrier protein precursor
RL00aef32c	283794895	YP_003359248.1	Cryptomonas paramecium	acyl carrier protein
RL00aef32d	11465517	NP_045092.1	Cyanidium caldarium	hypothetical protein CycaCp075
RL00aef32d	11465747	NP_053891.1	Porphyra purpurea	hypothetical protein PopuCp096
RL00aef32d	11467491	NP_043637.1	Odontella sinensis	ORF455
RL00aef32d	51209952	YP_063616.1	Gracilaria tenuistipitata var. liui	conserved hypothetical plastid protein
RL00aef32d	71842246	YP_277334.1	Emiliana huxleyi	hypothetical chloroplast RF45
RL00aef32d	118411037	YP_874432.1	Phaeodactylum tricornutum	hypothetical protein PhtrCp075
RL00aef32d	118411121	YP_874515.1	Thalassiosira pseudonana	hypothetical protein ThpsCp026
RL00aef32d	189095330	YP_001936343.1	Heterosigma akashiwo	conserved hypothetical plastid protein Ycf45
RL00aef32d	242624308	YP_003002226.1	Aureoumbra lagunensis	conserved hypothetical plastid protein Ycf45
RL00aef32d	299830371	YP_003734586.1	Kryptoperidinium foliaceum	hypothetical protein KrfoC_p076
RL00aef32d	299830572	YP_003735020.1	Durinskia baltica	hypothetical protein PyulOm_p071
RL00aef32d	315320527	YP_004072583.1	Thalassiosira oceanica CCMP1005	putative Ycf45
RL00aef32d	330850845	YP_004376595.1	Fistulifera sp. JPCC DA0580	hypothetical protein FispC_p030
RL00aef32e	11465518	NP_045091.1	Cyanidium caldarium	hypothetical protein CycaCp074
RL00aef32e	11465748	NP_053892.1	Porphyra purpurea	hypothetical protein PopuCp097

RL00aef32f	11465519 NP_045090.1	Cyanidium caldarium	acetyl-CoA carboxylase biotin carboxyl carrier protein
RL00aef32f	11465749 NP_053893.1	Porphyra purpurea	acetyl-CoA carboxylase biotin carboxyl carrier protein
RL00aef32f	30468156 NP_849043.1	Cyanidioschyzon merolae strain 10D	acetyl-CoA carboxylase biotin carboxyl carrier protein
RL00aef32f	51209951 YP_063615.1	Gracilaria tenuistipitata var. liui	acetyl-CoA carboxylase biotin carboxyl carrier protein
RL00aef32f	90994473 YP_536963.1	Porphyra yezoensis	acetyl-CoA carboxylase biotin carboxyl carrier
RL00aef330	11465520 NP_045089.1	Cyanidium caldarium	ribosomal protein S6
RL00aef330	11465825 NP_053969.1	Porphyra purpurea	ribosomal protein S6
RL00aef330	11467439 NP_043585.1	Odontella sinensis	ribosomal protein S6
RL00aef330	11467648 NP_050700.1	Guillardia theta	ribosomal protein S6
RL00aef330	30468113 NP_849000.1	Cyanidioschyzon merolae strain 10D	ribosomal protein S6
RL00aef330	51209874 YP_063538.1	Gracilaria tenuistipitata var. liui	ribosomal protein S6
RL00aef330	71025954 XP_762683.1	Theileria parva strain Muguga	hypothetical protein
RL00aef330	71025980 XP_762695.1	Theileria parva strain Muguga	hypothetical protein
RL00aef330	71842305 YP_277393.1	Emiliana huxleyi	ribosomal protein S6
RL00aef330	90994550 YP_537040.1	Porphyra yezoensis	ribosomal protein S6
RL00aef330	118411090 YP_874485.1	Phaeodactylum tricornutum	30S ribosomal protein S6
RL00aef330	118411222 YP_874616.1	Thalassiosira pseudonana	30S ribosomal protein S6
RL00aef330	149071980 YP_001293512.1	Rhodomonas salina	ribosomal protein S6
RL00aef330	209892876 YP_002290849.1	Babesia bovis T2Bo	hypothetical protein BBOV_V000140
RL00aef330	242620100 YP_003002104.1	Aureococcus anophagefferens	30S ribosomal protein S6
RL00aef330	242624330 YP_003002248.1	Aureoumbra lagunensis	30S ribosomal protein S6
RL00aef330	299830409 YP_003734624.1	Kryptoperidinium foliaceum	ribosomal protein S6
RL00aef330	299830577 YP_003735025.1	Durinskia baltica	30S ribosomal protein S6
RL00aef330	315320561 YP_004072618.1	Thalassiosira oceanica CCMP1005	30S ribosomal protein S6
RL00aef330	330850852 YP_004376602.1	Fistulifera sp. JPCC DA0580	ribosomal protein S6
RL00aef331	11465521 NP_045088.1	Cyanidium caldarium	hypothetical protein CycaCp071
RL00aef331	11465826 NP_053970.1	Porphyra purpurea	hypothetical protein PopuCp175
RL00aef331	30468112 NP_848999.1	Cyanidioschyzon merolae strain 10D	ORF197
RL00aef331	51209873 YP_063537.1	Gracilaria tenuistipitata var. liui	conserved hypothetical plastid protein
RL00aef331	71842233 YP_277321.1	Emiliana huxleyi	hypothetical chloroplast RF60
RL00aef331	90994551 YP_537041.1	Porphyra yezoensis	hypothetical protein 203
RL00aef331	215400792 YP_002327553.1	Vaucheria litorea	conserved hypothetical chloroplast protein
RL00aef331	242620094 YP_003002098.1	Aureococcus anophagefferens	hypothetical protein AuanCp079
RL00aef331	242624357 YP_003002275.1	Aureoumbra lagunensis	hypothetical protein AulaCp099
RL00aef331	269101088 YP_003289236.1	Ectocarpus siliculosus	Chloroplast hypothetical protein
RL00aef331	301500952 YP_003795417.1	Alveolata sp. CCMP3155	cytochrome c biogenesis protein
RL00aef332	11465522 NP_045087.1	Cyanidium caldarium	thiamin biosynthesis protein G
RL00aef332	11465827 NP_053971.1	Porphyra purpurea	thiamin biosynthesis protein G
RL00aef332	11467440 NP_043586.1	Odontella sinensis	thiamin biosynthesis protein G
RL00aef332	30468111 NP_848998.1	Cyanidioschyzon merolae strain 10D	thiamine biosynthesis protein G

RL00aef332	51209872	YP_063536.1	Gracilaria tenuistipitata var. liui	thiamin biosynthesis protein G
RL00aef332	71842292	YP_277380.1	Emiliania huxleyi	thiamin biosynthesis protein G
RL00aef332	90994552	YP_537042.1	Porphyra yezoensis	thiamin biosynthesis protein G
RL00aef332	118411091	YP_874486.1	Phaeodactylum tricornutum	thiamine biosynthesis protein G
RL00aef332	118411221	YP_874615.1	Thalassiosira pseudonana	thiamine biosynthesis protein G
RL00aef332	189095293	YP_001936306.1	Heterosigma akashiwo	thiamin biosynthesis protein G
RL00aef332	189095351	YP_001936364.1	Heterosigma akashiwo	thiamin biosynthesis protein G
RL00aef332	215400811	YP_002327572.1	Vaucheria litorea	thiamin biosynthesis protein
RL00aef332	269101082	YP_003289230.1	Ectocarpus siliculosus	Thiazole biosynthesis protein ThiG
RL00aef332	299830434	YP_003734649.1	Kryptoperidinium foliaceum	thiamine biosynthesis protein G
RL00aef332	299830578	YP_003735026.1	Durinskia baltica	thiamine biosynthesis protein G
RL00aef332	315320562	YP_004072619.1	Thalassiosira oceanica CCMP1005	thiazole biosynthesis protein ThiG
RL00aef333	11465523	NP_045086.1	Cyanidium caldarium	anthranilate synthase component 2
RL00aef333	11465828	NP_053972.1	Porphyra purpurea	anthranilate synthase component 2
RL00aef333	30468110	NP_848997.1	Cyanidioschyzon merolae strain 10D	anthranilate synthase component 2
RL00aef333	51209871	YP_063535.1	Gracilaria tenuistipitata var. liui	anthranilate synthase component 2
RL00aef333	90994553	YP_537043.1	Porphyra yezoensis	anthranilate synthase component 2
RL00aef334	11465524	NP_045085.1	Cyanidium caldarium	c-type cytochrome biogenesis protein
RL00aef334	11465829	NP_053973.1	Porphyra purpurea	c-type cytochrome biogenesis protein
RL00aef334	11467480	NP_043626.1	Odontella sinensis	ORF382
RL00aef334	11467636	NP_050688.1	Guillardia theta	c-type cytochrome biogenesis protein
RL00aef334	30468109	NP_848996.1	Cyanidioschyzon merolae strain 10D	c-type cytochrome biogenesis protein Ccs1
RL00aef334	51209870	YP_063534.1	Gracilaria tenuistipitata var. liui	c-type cytochrome biogenesis protein
RL00aef334	71842259	YP_277347.1	Emiliania huxleyi	c-type cytochrome biogenesis protein
RL00aef334	90994554	YP_537044.1	Porphyra yezoensis	c-type cytochrome biogenesis protein
RL00aef334	118411048	YP_874443.1	Phaeodactylum tricornutum	cytochrome c biogenesis protein
RL00aef334	118411179	YP_874573.1	Thalassiosira pseudonana	cytochrome c biogenesis protein
RL00aef334	118411227	YP_874621.1	Thalassiosira pseudonana	cytochrome c biogenesis protein
RL00aef334	149072094	YP_001293501.1	Rhodomonas salina	cytochrome c biogenesis protein
RL00aef334	189095405	YP_001936418.1	Heterosigma akashiwo	c-type cytochrome biogenesis protein
RL00aef334	215400793	YP_002327554.1	Vaucheria litorea	YCF44Res protein
RL00aef334	242620103	YP_003002107.1	Aureococcus anophagefferens	cytochrome c biogenesis protein ccs1
RL00aef334	242624327	YP_003002245.1	Aureoumbra lagunensis	ResB-like protein
RL00aef334	269101087	YP_003289235.1	Ectocarpus siliculosus	Cytochrome c biogenesis protein
RL00aef334	299830421	YP_003734636.1	Kryptoperidinium foliaceum	c-type cytochrome biogenesis protein
RL00aef334	299830588	YP_003735036.1	Durinskia baltica	cytochrome c biogenesis protein
RL00aef334	301500996	YP_003795461.1	Alveolata sp. CCMP3155	c-type cytochrome biogenesis protein
RL00aef334	315320552	YP_004072609.1	Thalassiosira oceanica CCMP1005	cytochrome c-type biogenesis protein Ccs1
RL00aef334	315320597	YP_004072654.1	Thalassiosira oceanica CCMP1005	cytochrome c-type biogenesis protein Ccs1
RL00aef334	330850896	YP_004376646.1	Fistulifera sp. JPCC DA0580	chloroplast cytochrome c biogenesis protein

RL00aef335	11465525	NP_045084.1	Cyanidium caldarium	ribosomal protein L34
RL00aef335	11465656	NP_053800.1	Porphyra purpurea	ribosomal protein L34
RL00aef335	11467482	NP_043628.1	Odontella sinensis	ribosomal protein L34
RL00aef335	11467639	NP_050691.1	Guillardia theta	ribosomal protein L34
RL00aef335	30468108	NP_848995.1	Cyanidioschyzon merolae strain 10D	50S ribosomal protein L34
RL00aef335	51209845	YP_063509.1	Gracilaria tenuistipitata var. liui	ribosomal protein L34
RL00aef335	71842287	YP_277375.1	Emiliania huxleyi	ribosomal protein L34
RL00aef335	90994381	YP_536871.1	Porphyra yezoensis	ribosomal protein L34
RL00aef335	118411046	YP_874441.1	Phaeodactylum tricornutum	50S ribosomal protein L34
RL00aef335	118411177	YP_874571.1	Thalassiosira pseudonana	50S ribosomal protein L34
RL00aef335	118411229	YP_874623.1	Thalassiosira pseudonana	50S ribosomal protein L34
RL00aef335	149072091	YP_001293504.1	Rhodomonas salina	ribosomal protein L34
RL00aef335	189095403	YP_001936416.1	Heterosigma akashiwo	ribosomal protein L34
RL00aef335	215400821	YP_002327582.1	Vaucheria litorea	ribosomal protein L34
RL00aef335	242620101	YP_003002105.1	Aureococcus anophagefferens	50S ribosomal protein L34
RL00aef335	242624329	YP_003002247.1	Aureoumbra lagunensis	50S ribosomal protein L34
RL00aef335	269101085	YP_003289233.1	Ectocarpus siliculosus	50S ribosomal protein L34
RL00aef335	283794936	YP_003359289.1	Cryptomonas paramecium	ribosomal protein L34
RL00aef335	299830423	YP_003734638.1	Kryptoperidinium foliaceum	ribosomal protein L34
RL00aef335	299830586	YP_003735034.1	Durinskia baltica	50S ribosomal protein L34
RL00aef335	315320548	YP_004072605.1	Thalassiosira oceanica CCMP1005	50S ribosomal protein L34
RL00aef335	315320601	YP_004072658.1	Thalassiosira oceanica CCMP1005	50S ribosomal protein L34
RL00aef335	330850898	YP_004376648.1	Fistulifera sp. JPCC DA0580	50S ribosomal protein L34

RL00aef336	11465526	NP_045083.1	Cyanidium caldarium	preprotein translocase subunit SecA
RL00aef336	11465847	NP_053991.1	Porphyra purpurea	preprotein translocase subunit SecA
RL00aef336	11467483	NP_043629.1	Odontella sinensis	preprotein translocase subunit SecA
RL00aef336	11467640	NP_050692.1	Guillardia theta	preprotein translocase subunit SecA
RL00aef336	30468107	NP_848994.1	Cyanidioschyzon merolae strain 10D	preprotein translocase subunit SecA
RL00aef336	51210033	YP_063697.1	Gracilaria tenuistipitata var. liui	preprotein translocase subunit SecA
RL00aef336	71842302	YP_277390.1	Emiliania huxleyi	preprotein translocase subunit SecA
RL00aef336	90994572	YP_537062.1	Porphyra yezoensis	preprotein translocase subunit SecA
RL00aef336	118411045	YP_874440.1	Phaeodactylum tricornutum	preprotein translocase subunit A
RL00aef336	118411176	YP_874570.1	Thalassiosira pseudonana	preprotein translocase subunit A
RL00aef336	118411230	YP_874624.1	Thalassiosira pseudonana	preprotein translocase subunit A
RL00aef336	149072090	YP_001293505.1	Rhodomonas salina	preprotein translocase subunit A
RL00aef336	189095402	YP_001936415.1	Heterosigma akashiwo	preprotein translocase subunit SecA
RL00aef336	215400822	YP_002327583.1	Vaucheria litorea	preprotein translocase subunit
RL00aef336	269101084	YP_003289232.1	Ectocarpus siliculosus	Preprotein translocase subunit secA
RL00aef336	283794935	YP_003359288.1	Cryptomonas paramecium	preprotein translocase subunit SecA
RL00aef336	299830424	YP_003734639.1	Kryptoperidinium foliaceum	preprotein translocase subunit SecA
RL00aef336	299830585	YP_003735033.1	Durinskia baltica	preprotein translocase subunit A
RL00aef336	301500900	YP_003795312.1	Chromera velia	preprotein translocase subunit SecA

RL00aef336	301500997	YP_003795462.1	Alveolata sp. CCMP3155	preprotein translocase subunit SecA
RL00aef336	315320547	YP_004072604.1	Thalassiosira oceanica CCMP1005	preprotein translocase protein SecA
RL00aef336	315320602	YP_004072659.1	Thalassiosira oceanica CCMP1005	preprotein translocase protein SecA
RL00aef336	330850899	YP_004376649.1	Fistulifera sp. JPCC DA0580	preprotein translocase subunit A
RL00aef337	11465527	NP_045082.1	Cyanidium caldarium	phycocyanin alpha subunit
RL00aef337	11465844	NP_053988.1	Porphyra purpurea	phycocyanin alpha subunit
RL00aef337	30468099	NP_848986.1	Cyanidioschyzon merolae strain 10D	phycocyanin alpha chain
RL00aef337	51210030	YP_063694.1	Gracilaria tenuistipitata var. liui	phycocyanin alpha subunit
RL00aef337	90994569	YP_537059.1	Porphyra yezoensis	phycocyanin alpha subunit
RL00aef338	11465528	NP_045081.1	Cyanidium caldarium	phycocyanin beta subunit
RL00aef338	11465843	NP_053987.1	Porphyra purpurea	phycocyanin beta subunit
RL00aef338	30468100	NP_848987.1	Cyanidioschyzon merolae strain 10D	phycocyanin beta chain
RL00aef338	51210029	YP_063693.1	Gracilaria tenuistipitata var. liui	phycocyanin beta subunit
RL00aef338	90994568	YP_537058.1	Porphyra yezoensis	phycocyanin beta subunit
RL00aef339	11465529	NP_045080.1	Cyanidium caldarium	L-glutamine-D-fructose-6-phosphate
RL00aef339	30468098	NP_848985.1	Cyanidioschyzon merolae strain 10D	glucosamine-fructose-6-phosphate aminotransferase
RL00aef33a	11465530	NP_045079.1	Cyanidium caldarium	hypothetical protein CycaCp062
RL00aef33a	11465842	NP_053986.1	Porphyra purpurea	DNA-directed RNA polymerase subunit omega
RL00aef33a	11467641	NP_050693.1	Guillardia theta	DNA-directed RNA polymerase subunit omega
RL00aef33a	51210028	YP_063692.1	Gracilaria tenuistipitata var. liui	DNA-directed RNA polymerase subunit omega
RL00aef33a	90994567	YP_537057.1	Porphyra yezoensis	DNA-directed RNA polymerase subunit omega
RL00aef33a	149072089	YP_001293506.1	Rhodomonas salina	ORF75
RL00aef33a	283794934	YP_003359287.1	Cryptomonas paramecium	hypothetical protein CRPAC_p071
RL00aef33b	11465531	NP_045078.1	Cyanidium caldarium	glutamate synthase
RL00aef33b	11465841	NP_053985.1	Porphyra purpurea	glutamate synthase
RL00aef33b	30468096	NP_848983.1	Cyanidioschyzon merolae strain 10D	glutamate synthase
RL00aef33b	51210027	YP_063691.1	Gracilaria tenuistipitata var. liui	ferredoxin-dependent glutamate synthase
RL00aef33b	90994566	YP_537056.1	Porphyra yezoensis	glutamate synthase
RL00aef33c	11465532	NP_045077.1	Cyanidium caldarium	photosystem I subunit VII
RL00aef33c	11465840	NP_053984.1	Porphyra purpurea	photosystem I subunit VII
RL00aef33c	11467436	NP_043582.1	Odontella sinensis	photosystem I subunit VII
RL00aef33c	11467642	NP_050694.1	Guillardia theta	photosystem I subunit VII
RL00aef33c	30468095	NP_848982.1	Cyanidioschyzon merolae strain 10D	photosystem I subunit VII
RL00aef33c	51210026	YP_063690.1	Gracilaria tenuistipitata var. liui	photosystem I subunit VII
RL00aef33c	71842258	YP_277346.1	Emiliania huxleyi	photosystem I subunit VII
RL00aef33c	90994565	YP_537055.1	Porphyra yezoensis	photosystem I subunit VII
RL00aef33c	118411092	YP_874487.1	Phaeodactylum tricornutum	photosystem I iron-sulfur center

RL00aef33c	118411182	YP_874576.1	Thalassiosira pseudonana	photosystem I iron-sulfur center
RL00aef33c	118411224	YP_874618.1	Thalassiosira pseudonana	photosystem I iron-sulfur center
RL00aef33c	149071979	YP_001293507.1	Rhodomonas salina	photosystem I iron-sulfur center subunit VII
RL00aef33c	189095377	YP_001936390.1	Heterosigma akashiwo	photosystem I subunit VII
RL00aef33c	215400812	YP_002327573.1	Vaucheria litorea	PSI reaction center subunit VII
RL00aef33c	242620108	YP_003002112.1	Aureococcus anophagefferens	photosystem I iron-sulfur center subunit VII
RL00aef33c	242624358	YP_003002276.1	Aureoumbra lagunensis	photosystem I iron-sulfur center subunit VII
RL00aef33c	269101132	YP_003289280.1	Ectocarpus siliculosus	Photosystem I subunit VII
RL00aef33c	299830429	YP_003734644.1	Kryptoperidinium foliaceum	photosystem I protein subunit VII
RL00aef33c	299830580	YP_003735028.1	Durinskia baltica	photosystem I iron-sulfur center
RL00aef33c	301500914	YP_003795326.1	Chromera velia	photosystem I subunit VII
RL00aef33c	301500947	YP_003795412.1	Alveolata sp. CCMP3155	photosystem I subunit VII
RL00aef33c	315320550	YP_004072607.1	Thalassiosira oceanica CCMP1005	photosystem I reaction center subunit VII
RL00aef33c	315320599	YP_004072656.1	Thalassiosira oceanica CCMP1005	photosystem I reaction center subunit VII
RL00aef33c	330850851	YP_004376601.1	Fistulifera sp. JPCC DA0580	photosystem I subunit VII
RL00aef33d	11465533	NP_045076.1	Cyanidium caldarium	hypothetical protein CycaCp059
RL00aef33d	11465839	NP_053983.1	Porphyra purpurea	ORF23
RL00aef33d	30468094	NP_848981.1	Cyanidioschyzon merolae strain 10D	ORF232
RL00aef33d	51210025	YP_063689.1	Gracilaria tenuistipitata var. liui	conserved hypothetical plastid protein
RL00aef33d	90994564	YP_537054.1	Porphyra yezoensis	hypothetical chloroplast protein 23
RL00aef33e	11465534	NP_045075.1	Cyanidium caldarium	acetyl-CoA carboxylase carboxyltransferase alpha subunit
RL00aef33e	11465837	NP_053981.1	Porphyra purpurea	acetyl-CoA carboxylase carboxyltransferase alpha subunit
RL00aef33e	30468092	NP_848979.1	Cyanidioschyzon merolae strain 10D	acetyl-CoA carboxylase carboxyltransferase alpha subunit
RL00aef33e	51210023	YP_063687.1	Gracilaria tenuistipitata var. liui	acetyl-CoA carboxylase carboxyltransferase alpha subunit
RL00aef33e	90994562	YP_537052.1	Porphyra yezoensis	acetyl-CoA carboxylase carboxyltransferase alpha subunit
RL00aef33f	11465535	NP_045074.1	Cyanidium caldarium	photosystem I subunit X
RL00aef33f	11465836	NP_053980.1	Porphyra purpurea	photosystem I subunit X
RL00aef33f	11467643	NP_050695.1	Guillardia theta	photosystem I subunit X
RL00aef33f	30468091	NP_848978.1	Cyanidioschyzon merolae strain 10D	photosystem I reaction center subunit X
RL00aef33f	51210022	YP_063686.1	Gracilaria tenuistipitata var. liui	photosystem I subunit X
RL00aef33f	90994561	YP_537051.1	Porphyra yezoensis	photosystem I subunit X
RL00aef33f	149072088	YP_001293508.1	Rhodomonas salina	photosystem I subunit X
RL00aef340	11465536	NP_045073.1	Cyanidium caldarium	cytochrome c biogenesis protein
RL00aef340	11465835	NP_053979.1	Porphyra purpurea	cytochrome c biogenesis protein
RL00aef340	11467437	NP_043583.1	Odontella sinensis	cytochrome c biogenesis protein
RL00aef340	11467644	NP_050696.1	Guillardia theta	cytochrome c biogenesis protein
RL00aef340	30468089	NP_848976.1	Cyanidioschyzon merolae strain 10D	cytochrome c biogenesis protein
RL00aef340	71842307	YP_277395.1	Emiliana huxleyi	cytochrome c biogenesis protein
RL00aef340	90994560	YP_537050.1	Porphyra yezoensis	cytochrome c biogenesis protein

RL00aef340	118411089	YP_874484.1	<i>Phaeodactylum tricornutum</i>	cytochrome c biogenesis protein
RL00aef340	118411183	YP_874577.1	<i>Thalassiosira pseudonana</i>	cytochrome c biogenesis protein
RL00aef340	118411223	YP_874617.1	<i>Thalassiosira pseudonana</i>	cytochrome c biogenesis protein
RL00aef340	126165901	YP_063685.2	<i>Gracilaria tenuistipitata</i> var. <i>liui</i>	cytochrome c biogenesis protein
RL00aef340	149072087	YP_001293509.1	<i>Rhodomonas salina</i>	cytochrome c biogenesis protein
RL00aef340	189095378	YP_001936391.1	<i>Heterosigma akashiwo</i>	cytochrome c biogenesis protein
RL00aef340	215400787	YP_002327548.1	<i>Vaucheria litorea</i>	protein involved in cytochrome c biogenesis
RL00aef340	242620107	YP_003002111.1	<i>Aureococcus anophagefferens</i>	cytochrome c biogenesis protein
RL00aef340	242624356	YP_003002274.1	<i>Aureoumbra lagunensis</i>	cytochrome c biogenesis protein
RL00aef340	269101062	YP_003289210.1	<i>Ectocarpus siliculosus</i>	Cytochrome c biogenesis protein
RL00aef340	299830408	YP_003734623.1	<i>Kryptoperidinium foliaceum</i>	cytochrome c biogenesis protein
RL00aef340	299830576	YP_003735024.1	<i>Durinskia baltica</i>	cytochrome c biogenesis protein
RL00aef340	315320549	YP_004072606.1	<i>Thalassiosira oceanica</i> CCMP1005	cytochrome c-type biogenesis protein CcsA
RL00aef340	315320600	YP_004072657.1	<i>Thalassiosira oceanica</i> CCMP1005	cytochrome c-type biogenesis protein CcsA
RL00aef340	330850853	YP_004376603.1	<i>Fistulifera</i> sp. JPCC DA0580	cytochrome C-type biogenesis protein CcsA
RL00aef341	11465537	NP_045072.1	<i>Cyanidium caldarium</i>	Ycf18
RL00aef341	11465832	NP_053976.1	<i>Porphyra purpurea</i>	ORF18
RL00aef341	11467664	NP_050716.1	<i>Guillardia theta</i>	hypothetical protein GuthCp057
RL00aef341	30468088	NP_848975.1	<i>Cyanidioschyzon merolae</i> strain 10D	phycobilisome degradation protein
RL00aef341	51210018	YP_063682.1	<i>Gracilaria tenuistipitata</i> var. <i>liui</i>	phycobilisome degradation protein
RL00aef341	90994557	YP_537047.1	<i>Porphyra yezoensis</i>	hypothetical chloroplast protein 18
RL00aef342	11465538	NP_045071.1	<i>Cyanidium caldarium</i>	phycobilisome rod-core linker protein
RL00aef342	11465831	NP_053975.1	<i>Porphyra purpurea</i>	phycobilisome rod-core linker protein
RL00aef342	30468087	NP_848974.1	<i>Cyanidioschyzon merolae</i> strain 10D	phycobilisome rod-core linker protein
RL00aef342	51210017	YP_063681.1	<i>Gracilaria tenuistipitata</i> var. <i>liui</i>	phycobilisome rod-core linker polypeptide
RL00aef342	90994556	YP_537046.1	<i>Porphyra yezoensis</i>	Phycobilisome rod-core linker polypeptide
RL00aef343	11465539	NP_045070.1	<i>Cyanidium caldarium</i>	lipoate biosynthesis protein B
RL00aef343	30468086	NP_848973.1	<i>Cyanidioschyzon merolae</i> strain 10D	lipoate-protein ligase B
RL00aef344	11465540	NP_045068.1	<i>Cyanidium caldarium</i>	allophycocyanin beta 18 subunit
RL00aef344	11465681	NP_053825.1	<i>Porphyra purpurea</i>	allophycocyanin beta 18 subunit
RL00aef344	30468084	NP_848971.1	<i>Cyanidioschyzon merolae</i> strain 10D	allophycocyanin beta 18 subunit
RL00aef344	51210015	YP_063679.1	<i>Gracilaria tenuistipitata</i> var. <i>liui</i>	allophycocyanin beta 18 subunit
RL00aef344	90994407	YP_536897.1	<i>Porphyra yezoensis</i>	allophycocyanin beta 18 subunit
RL00aef345	11465541	NP_045067.1	<i>Cyanidium caldarium</i>	photosystem II protein D1
RL00aef345	11465678	NP_053822.1	<i>Porphyra purpurea</i>	photosystem II protein D1
RL00aef345	11467479	NP_043625.1	<i>Odontella sinensis</i>	photosystem II protein D1
RL00aef345	11467647	NP_050699.1	<i>Guillardia theta</i>	photosystem II protein D1
RL00aef345	30468083	NP_848970.1	<i>Cyanidioschyzon merolae</i> strain 10D	photosystem II protein D1

RL00aef345	51209867	YP_063531.1	Gracilaria tenuistipitata var. liui	photosystem II protein D1
RL00aef345	71842227	YP_277315.1	Emiliania huxleyi	photosystem II protein D1
RL00aef345	90994403	YP_536893.1	Porphyra yezoensis	photosystem II protein D1
RL00aef345	118411049	YP_874444.1	Phaeodactylum tricornutum	photosystem II reaction center protein D1
RL00aef345	118411180	YP_874574.1	Thalassiosira pseudonana	photosystem II reaction center protein D1
RL00aef345	118411226	YP_874620.1	Thalassiosira pseudonana	photosystem II reaction center protein D1
RL00aef345	149072085	YP_001293511.1	Rhodomonas salina	photosystem II protein D1
RL00aef345	189095298	YP_001936311.1	Heterosigma akashiwo	photosystem II protein D1
RL00aef345	189095346	YP_001936359.1	Heterosigma akashiwo	photosystem II protein D1
RL00aef345	215400784	YP_002327545.1	Vaucheria litorea	PSII D1 reaction-center protein
RL00aef345	242620120	YP_003002124.1	Aureococcus anophagefferens	photosystem II Q(b) protein (D1)
RL00aef345	242624368	YP_003002286.1	Aureoumbra lagunensis	photosystem II Q(b) protein (D1)
RL00aef345	269100997	YP_003289145.1	Ectocarpus siliculosus	Photosystem II reaction centre protein D1/psbA
RL00aef345	269101059	YP_003289207.1	Ectocarpus siliculosus	Photosystem II reaction centre protein D1/psbA
RL00aef345	299830420	YP_003734635.1	Kryptoperidinium foliaceum	photosystem II protein D1
RL00aef345	299830589	YP_003735037.1	Durinskia baltica	photosystem II reaction center protein D1
RL00aef345	301500844	YP_003795256.1	Chromera velia	photosystem II protein D1
RL00aef345	301500921	YP_003795333.1	Chromera velia	photosystem II protein D1
RL00aef345	301500987	YP_003795452.1	Alveolata sp. CCMP3155	photosystem II protein D1
RL00aef345	315320551	YP_004072608.1	Thalassiosira oceanica CCMP1005	photosystem II D1 protein
RL00aef345	315320598	YP_004072655.1	Thalassiosira oceanica CCMP1005	photosystem II D1 protein
RL00aef345	330850895	YP_004376645.1	Fistulifera sp. JPCC DA0580	photosystem II reaction center protein D1
RL00aef346	11465542	NP_045066.1	Cyanidium caldarium	ribosomal protein L32
RL00aef346	11465673	NP_053817.1	Porphyra purpurea	ribosomal protein L32
RL00aef346	11467435	NP_043581.1	Odontella sinensis	ribosomal protein L32
RL00aef346	11467487	NP_043633.1	Odontella sinensis	ribosomal protein L32'
RL00aef346	11467633	NP_050685.1	Guillardia theta	ribosomal protein L32
RL00aef346	30468082	NP_848969.1	Cyanidioschyzon merolae strain 10D	ribosomal protein L32
RL00aef346	51209862	YP_063526.1	Gracilaria tenuistipitata var. liui	50S ribosomal protein L32
RL00aef346	71842229	YP_277317.1	Emiliania huxleyi	hypothetical protein EmhuCp009
RL00aef346	90994398	YP_536888.1	Porphyra yezoensis	ribosomal protein L32
RL00aef346	118411041	YP_874436.1	Phaeodactylum tricornutum	50S ribosomal protein L32
RL00aef346	118411172	YP_874566.1	Thalassiosira pseudonana	50S ribosomal protein L32
RL00aef346	118411234	YP_874628.1	Thalassiosira pseudonana	50S ribosomal protein L32
RL00aef346	149071978	YP_001293498.1	Rhodomonas salina	ribosomal protein L32
RL00aef346	189095292	YP_001936305.1	Heterosigma akashiwo	ribosomal protein L32
RL00aef346	189095352	YP_001936365.1	Heterosigma akashiwo	ribosomal protein L32
RL00aef346	215400824	YP_002327585.1	Vaucheria litorea	ribosomal protein L32
RL00aef346	269100995	YP_003289143.1	Ectocarpus siliculosus	50S ribosomal protein L32
RL00aef346	269101061	YP_003289209.1	Ectocarpus siliculosus	50S ribosomal protein L32
RL00aef346	299830428	YP_003734643.1	Kryptoperidinium foliaceum	ribosomal protein L32
RL00aef346	299830581	YP_003735029.1	Durinskia baltica	50S ribosomal protein L32

RL00aef346	315320543	YP_004072600.1	Thalassiosira oceanica CCMP1005	50S ribosomal protein L32
RL00aef346	315320606	YP_004072663.1	Thalassiosira oceanica CCMP1005	50S ribosomal protein L32
RL00aef346	330850903	YP_004376653.1	Fistulifera sp. JPCC DA0580	50S ribosomal protein L32
RL00aef347	11465543	NP_045065.1	Cyanidium caldarium	hypothetical protein CycaCp048
RL00aef347	11465672	NP_053816.1	Porphyra purpurea	ORF32
RL00aef347	11467434	NP_043580.1	Odontella sinensis	ORF36
RL00aef347	11467488	NP_043634.1	Odontella sinensis	ORF36
RL00aef347	11467632	NP_050684.1	Guillardia theta	photosystem II protein Y
RL00aef347	30468081	NP_848968.1	Cyanidioschyzon merolae strain 10D	photosystem II protein Y
RL00aef347	51209861	YP_063525.1	Gracilaria tenuistipitata var. liui	conserved hypothetical plastid protein
RL00aef347	71842294	YP_277382.1	Emiliana huxleyi	hypothetical protein EmhuCp074
RL00aef347	90994397	YP_536887.1	Porphyra yezoensis	hypothetical chloroplast protein 32
RL00aef347	118411040	YP_874435.1	Phaeodactylum tricornutum	photosystem II protein Y
RL00aef347	118411093	YP_874488.1	Phaeodactylum tricornutum	photosystem II protein Y
RL00aef347	118411171	YP_874565.1	Thalassiosira pseudonana	photosystem II protein Y
RL00aef347	118411235	YP_874629.1	Thalassiosira pseudonana	photosystem II protein Y
RL00aef347	149071977	YP_001293497.1	Rhodomonas salina	photosystem II protein Y
RL00aef347	189095394	YP_001936407.1	Heterosigma akashiwo	photosystem II protein Y
RL00aef347	215400825	YP_002327586.1	Vaucheria litorea	orf32
RL00aef347	269101127	YP_003289275.1	Ectocarpus siliculosus	Photosystem II reaction center protein Y
RL00aef347	299830430	YP_003734645.1	Kryptoperidinium foliaceum	photosystem II protein Y
RL00aef347	299830579	YP_003735027.1	Durinskia baltica	photosystem II protein Y
RL00aef347	315320542	YP_004072599.1	Thalassiosira oceanica CCMP1005	photosystem II reaction center protein Y
RL00aef347	315320607	YP_004072664.1	Thalassiosira oceanica CCMP1005	photosystem II reaction center protein Y
RL00aef347	330850850	YP_004376600.1	Fistulifera sp. JPCC DA0580	photosystem II PsbY protein
RL00aef348	11465544	NP_045064.1	Cyanidium caldarium	LysR transcriptional regulator
RL00aef348	11465671	NP_053815.1	Porphyra purpurea	LysR transcriptional regulator
RL00aef348	11467486	NP_043632.1	Odontella sinensis	trsE-like protein
RL00aef348	11467631	NP_050683.1	Guillardia theta	LysR transcriptional regulator
RL00aef348	30468080	NP_848967.1	Cyanidioschyzon merolae strain 10D	lysR-like transcriptional regulator
RL00aef348	51209860	YP_063524.1	Gracilaria tenuistipitata var. liui	LysR transcriptional regulator
RL00aef348	71842295	YP_277383.1	Emiliana huxleyi	LysR transcriptional regulator
RL00aef348	90994396	YP_536886.1	Porphyra yezoensis	LysR transcriptional regulator
RL00aef348	118411042	YP_874437.1	Phaeodactylum tricornutum	lysR transcriptional regulator
RL00aef348	118411173	YP_874567.1	Thalassiosira pseudonana	lysR transcriptional regulator
RL00aef348	118411233	YP_874627.1	Thalassiosira pseudonana	lysR transcriptional regulator
RL00aef348	149072097	YP_001293496.1	Rhodomonas salina	transcriptional regulator
RL00aef348	189095395	YP_001936408.1	Heterosigma akashiwo	LysR transcriptional regulator
RL00aef348	215400702	YP_002327463.1	Vaucheria litorea	unidentified reading frame 1
RL00aef348	242620104	YP_003002108.1	Aureococcus anophagefferens	LysR-like transcriptional regulator
RL00aef348	242624326	YP_003002244.1	Aureoumbra lagunensis	LysR-like transcriptional regulator

RL00aef348	269101128	YP_003289276.1	Ectocarpus siliculosus	Probable RuBisCO transcriptional regulator
RL00aef348	299830427	YP_003734642.1	Kryptoperidinium foliaceum	LysR transcriptional regulator
RL00aef348	299830582	YP_003735030.1	Durinskia baltica	LysR transcriptional regulator
RL00aef348	315320544	YP_004072601.1	Thalassiosira oceanica CCMP1005	transcription regulatory protein RbcR
RL00aef348	315320605	YP_004072662.1	Thalassiosira oceanica CCMP1005	transcription regulatory protein RbcR
RL00aef348	330850902	YP_004376652.1	Fistulifera sp. JPCC DA0580	lysR transcriptional regulator
RL00aef349	11465545	NP_045063.1	Cyanidium caldarium	fatty-acid desaturase
RL00aef349	30468077	NP_848964.1	Cyanidioschyzon merolae strain 10D	beta-carotene hydroxylase
RL00aef34a	11465546	NP_045062.1	Cyanidium caldarium	hypothetical protein CycaCp045
RL00aef34a	11465670	NP_053814.1	Porphyra purpurea	hypothetical protein PopuCp019
RL00aef34a	30468076	NP_848963.1	Cyanidioschyzon merolae strain 10D	ORF105
RL00aef34a	51209859	YP_063523.1	Gracilaria tenuistipitata var. liui	conserved hypothetical plastid protein
RL00aef34a	90994395	YP_536885.1	Porphyra yezoensis	hypothetical protein 108
RL00aef34a	189095393	YP_001936406.1	Heterosigma akashiwo	conserved hypothetical plastid protein Ycf54
RL00aef34a	215400823	YP_002327584.1	Vaucheria litorea	hypothetical 12.7KD protein
RL00aef34b	11465547	NP_045061.1	Cyanidium caldarium	uroporphyrin III methylase
RL00aef34b	30468075	NP_848962.1	Cyanidioschyzon merolae strain 10D	uroporphyrin-III C-methyltransferase
RL00aef34d	11465549	NP_045059.1	Cyanidium caldarium	hypothetical protein CycaCp042
RL00aef34d	11465668	NP_053812.1	Porphyra purpurea	hypothetical protein PopuCp017
RL00aef34d	51209857	YP_063521.1	Gracilaria tenuistipitata var. liui	conserved hypothetical plastid protein
RL00aef34d	90994393	YP_536883.1	Porphyra yezoensis	hypothetical protein 238
RL00aef34e	11465550	NP_045058.1	Cyanidium caldarium	carbamoyl-phosphate synthase arginine-specific small subunit
RL00aef34e	11465667	NP_053811.1	Porphyra purpurea	carbamoyl-phosphate synthase arginine-specific small subunit
RL00aef34e	30468072	NP_848959.1	Cyanidioschyzon merolae strain 10D	anthranilate synthase component II
RL00aef34e	51209856	YP_063520.1	Gracilaria tenuistipitata var. liui	carbamoyl-phosphate synthase arginine-specific small subunit
RL00aef34e	90994392	YP_536882.1	Porphyra yezoensis	carbamoyl-phosphate synthase arginine-specific small subunit
RL00aef34f	11465551	NP_045057.1	Cyanidium caldarium	ribosomal protein L27
RL00aef34f	11465676	NP_053820.1	Porphyra purpurea	ribosomal protein L27
RL00aef34f	11467484	NP_043630.1	Odontella sinensis	ribosomal protein L27
RL00aef34f	11467629	NP_050681.1	Guillardia theta	ribosomal protein L27
RL00aef34f	30468071	NP_848958.1	Cyanidioschyzon merolae strain 10D	ribosomal protein L27
RL00aef34f	51209865	YP_063529.1	Gracilaria tenuistipitata var. liui	ribosomal protein L27
RL00aef34f	71842268	YP_277356.1	Emiliania huxleyi	ribosomal protein L27
RL00aef34f	90994401	YP_536891.1	Porphyra yezoensis	ribosomal protein L27
RL00aef34f	118411044	YP_874439.1	Phaeodactylum tricornutum	50S ribosomal protein L27
RL00aef34f	118411175	YP_874569.1	Thalassiosira pseudonana	50S ribosomal protein L27
RL00aef34f	118411231	YP_874625.1	Thalassiosira pseudonana	50S ribosomal protein L27

RL00aef34f	149071976	YP_001293495.1	Rhodomonas salina	ribosomal protein L27
RL00aef34f	189095391	YP_001936404.1	Heterosigma akashiwo	ribosomal protein L27
RL00aef34f	215400826	YP_002327587.1	Vaucheria litorea	ribosomal protein L27
RL00aef34f	242620106	YP_003002110.1	Aureococcus anophagefferens	50S ribosomal protein L27
RL00aef34f	242624324	YP_003002242.1	Aureoumbra lagunensis	50S ribosomal protein L27
RL00aef34f	269101073	YP_003289221.1	Ectocarpus siliculosus	50S ribosomal protein L27
RL00aef34f	283794944	YP_003359297.1	Cryptomonas paramecium	ribosomal protein L27
RL00aef34f	299830425	YP_003734640.1	Kryptoperidinium foliaceum	ribosomal protein L27
RL00aef34f	299830584	YP_003735032.1	Durinskia baltica	50S ribosomal protein L27
RL00aef34f	301500993	YP_003795458.1	Alveolata sp. CCMP3155	50S ribosomal protein L27
RL00aef34f	301501000	YP_003795465.1	Alveolata sp. CCMP3155	ribosomal protein L27
RL00aef34f	315320546	YP_004072603.1	Thalassiosira oceanica CCMP1005	50S ribosomal protein L27
RL00aef34f	315320603	YP_004072660.1	Thalassiosira oceanica CCMP1005	50S ribosomal protein L27
RL00aef34f	330850900	YP_004376650.1	Fistulifera sp. JPCC DA0580	50S ribosomal protein L27

RL00aef350	11465552	NP_045056.1	Cyanidium caldarium	ribosomal protein L21
RL00aef350	11465675	NP_053819.1	Porphyra purpurea	ribosomal protein L21
RL00aef350	11467485	NP_043631.1	Odontella sinensis	ribosomal protein L21
RL00aef350	11467628	NP_050680.1	Guillardia theta	ribosomal protein L21
RL00aef350	30468070	NP_848957.1	Cyanidioschyzon merolae strain 10D	ribosomal protein L21
RL00aef350	51209864	YP_063528.1	Gracilaria tenuistipitata var. liui	ribosomal protein L21
RL00aef350	71842231	YP_277319.1	Emiliania huxleyi	ribosomal protein L21
RL00aef350	90994400	YP_536890.1	Porphyra yezoensis	ribosomal protein L21
RL00aef350	118411043	YP_874438.1	Phaeodactylum tricornutum	50S ribosomal protein L21
RL00aef350	118411174	YP_874568.1	Thalassiosira pseudonana	50S ribosomal protein L21
RL00aef350	118411232	YP_874626.1	Thalassiosira pseudonana	50S ribosomal protein L21
RL00aef350	149071975	YP_001293494.1	Rhodomonas salina	ribosomal protein L21
RL00aef350	189095392	YP_001936405.1	Heterosigma akashiwo	ribosomal protein L21
RL00aef350	215400827	YP_002327588.1	Vaucheria litorea	ribosomal protein L21
RL00aef350	242620105	YP_003002109.1	Aureococcus anophagefferens	50S ribosomal protein L21
RL00aef350	242624325	YP_003002243.1	Aureoumbra lagunensis	50S ribosomal protein L21
RL00aef350	269100998	YP_003289146.1	Ectocarpus siliculosus	50S ribosomal protein L21
RL00aef350	269101058	YP_003289206.1	Ectocarpus siliculosus	50S ribosomal protein L21
RL00aef350	283794945	YP_003359298.1	Cryptomonas paramecium	ribosomal protein L21
RL00aef350	299830426	YP_003734641.1	Kryptoperidinium foliaceum	ribosomal protein L21
RL00aef350	299830583	YP_003735031.1	Durinskia baltica	50S ribosomal protein L21
RL00aef350	315320545	YP_004072602.1	Thalassiosira oceanica CCMP1005	50S ribosomal protein L21
RL00aef350	315320604	YP_004072661.1	Thalassiosira oceanica CCMP1005	50S ribosomal protein L21
RL00aef350	330850901	YP_004376651.1	Fistulifera sp. JPCC DA0580	50S ribosomal protein L21

RL00aef351	11465553	NP_045055.1	Cyanidium caldarium	Ycf39
RL00aef351	11465704	NP_053848.1	Porphyra purpurea	Ycf39
RL00aef351	11467527	NP_043673.1	Odontella sinensis	ORF319

RL00aef351	11467677	NP_050729.1	Guillardia theta	Ycf39
RL00aef351	30468254	NP_849141.1	Cyanidioschyzon merolae strain 10D	ORF294
RL00aef351	51209992	YP_063656.1	Gracilaria tenuistipitata var. liui	Ycf39
RL00aef351	71842339	YP_277427.1	Emiliana huxleyi	hypothetical chloroplast RF39
RL00aef351	90994429	YP_536919.1	Porphyra yezoensis	Ycf39
RL00aef351	118410969	YP_874364.1	Phaeodactylum tricornutum	hypothetical protein PhtrCp007
RL00aef351	118411165	YP_874559.1	Thalassiosira pseudonana	hypothetical protein ThpsCp070
RL00aef351	149072067	YP_001293540.1	Rhodomonas salina	hypothetical plastid protein 39
RL00aef351	189095374	YP_001936387.1	Heterosigma akashiwo	Ycf39
RL00aef351	215400778	YP_002327539.1	Vaucheria litorea	isoflavone reductase
RL00aef351	242620089	YP_003002093.1	Aureococcus anophagefferens	conserved hypothetical plastid protein Ycf39
RL00aef351	242624316	YP_003002234.1	Aureoumbra lagunensis	conserved hypothetical plastid protein Ycf39
RL00aef351	269101002	YP_003289150.1	Ectocarpus siliculosus	Chloroplast conserved hypothetical protein
RL00aef351	299830305	YP_003734520.1	Kryptoperidinium foliaceum	hypothetical protein KrfoC_p010
RL00aef351	299830510	YP_003734956.1	Durinskia baltica	hypothetical protein PyulOm_p007
RL00aef351	315320492	YP_004072548.1	Thalassiosira oceanica CCMP1005	putative Ycf39
RL00aef351	330850913	YP_004376663.1	Fistulifera sp. JPCC DA0580	hypothetical protein FispC_p098
RL00aef352	11465554	NP_045054.1	Cyanidium caldarium	photosystem II protein I
RL00aef352	11465702	NP_053846.1	Porphyra purpurea	photosystem II protein I
RL00aef352	11467525	NP_043671.1	Odontella sinensis	photosystem II protein I
RL00aef352	11467676	NP_050728.1	Guillardia theta	photosystem II protein I
RL00aef352	30468252	NP_849139.1	Cyanidioschyzon merolae strain 10D	photosystem II protein I
RL00aef352	51209994	YP_063658.1	Gracilaria tenuistipitata var. liui	photosystem II protein I
RL00aef352	71842232	YP_277320.1	Emiliana huxleyi	photosystem II protein I
RL00aef352	90994427	YP_536917.1	Porphyra yezoensis	photosystem II protein I
RL00aef352	118410967	YP_874362.1	Phaeodactylum tricornutum	photosystem II protein I
RL00aef352	118411167	YP_874561.1	Thalassiosira pseudonana	photosystem II protein I
RL00aef352	149072068	YP_001293539.1	Rhodomonas salina	photosystem II protein I
RL00aef352	189095372	YP_001936385.1	Heterosigma akashiwo	photosystem II protein I
RL00aef352	215400789	YP_002327550.1	Vaucheria litorea	photosystem II protein I
RL00aef352	242620090	YP_003002094.1	Aureococcus anophagefferens	photosystem II protein I
RL00aef352	242624317	YP_003002235.1	Aureoumbra lagunensis	photosystem II protein I
RL00aef352	269101080	YP_003289228.1	Ectocarpus siliculosus	Photosystem II reaction center protein I
RL00aef352	299830307	YP_003734522.1	Kryptoperidinium foliaceum	photosystem II protein I
RL00aef352	299830508	YP_003734954.1	Durinskia baltica	photosystem II protein I
RL00aef352	301500957	YP_003795422.1	Alveolata sp. CCMP3155	photosystem II protein I
RL00aef352	315320490	YP_004072546.1	Thalassiosira oceanica CCMP1005	photosystem II reaction center protein I
RL00aef353	11465555	NP_045053.1	Cyanidium caldarium	hypothetical protein CycaCp036
RL00aef353	11465701	NP_053845.1	Porphyra purpurea	hypothetical protein PopuCp050
RL00aef353	30468251	NP_849138.1	Cyanidioschyzon merolae strain 10D	ORF147
RL00aef353	51209995	YP_063659.1	Gracilaria tenuistipitata var. liui	conserved hypothetical plastid protein

RL00aef353	90994426	YP_536916.1	Porphyra yezoensis	hypothetical protein 149
RL00aef354	11465556	NP_045052.1	Cyanidium caldarium	hypothetical protein CycaCp035
RL00aef354	11465812	NP_053956.1	Porphyra purpurea	phenylalanyl-tRNA synthetase beta chain
RL00aef354	51209898	YP_063562.1	Gracilaria tenuistipitata var. liui	phenylalanyl-tRNA synthetase beta chain
RL00aef354	90994537	YP_537027.1	Porphyra yezoensis	phenylalanyl-tRNA synthetase beta chain
RL00aef354	118411054	YP_874449.1	Phaeodactylum tricornutum	phenylalanine tRNA synthetase
RL00aef354	269101015	YP_003289163.1	Ectocarpus siliculosus	phenylalanyl tRNA synthetase beta subunit
RL00aef354	299830414	YP_003734629.1	Kryptoperidinium foliaceum	phenylalanyl-tRNA synthetase beta subunit
RL00aef354	299830594	YP_003735042.1	Durinskia baltica	phenylalanine tRNA synthetase
RL00aef354	330850891	YP_004376641.1	Fistulifera sp. JPCC DA0580	phenylalanine tRNA synthetase
RL00aef355	11465557	NP_045051.1	Cyanidium caldarium	envelope membrane protein
RL00aef355	11465698	NP_053842.1	Porphyra purpurea	envelope membrane protein
RL00aef355	11467675	NP_050727.1	Guillardia theta	envelope membrane protein
RL00aef355	30468249	NP_849136.1	Cyanidioschyzon merolae strain 10D	envelope membrane protein
RL00aef355	51209998	YP_063662.1	Gracilaria tenuistipitata var. liui	envelope membrane protein
RL00aef355	90994423	YP_536913.1	Porphyra yezoensis	envelope membrane protein
RL00aef355	149072069	YP_001293538.1	Rhodomonas salina	chloroplast envelope membrane protein
RL00aef355	283794871	YP_003359224.1	Cryptomonas paramecium	envelope membrane protein
RL00aef356	11465558	NP_045050.1	Cyanidium caldarium	photosystem I subunit XI
RL00aef356	11465688	NP_053832.1	Porphyra purpurea	photosystem I subunit XI
RL00aef356	11467529	NP_043675.1	Odontella sinensis	photosystem I subunit XI
RL00aef356	11467674	NP_050726.1	Guillardia theta	photosystem I subunit XI
RL00aef356	30468248	NP_849135.1	Cyanidioschyzon merolae strain 10D	photosystem I subunit XI
RL00aef356	51210002	YP_063666.1	Gracilaria tenuistipitata var. liui	photosystem I subunit XI
RL00aef356	71842264	YP_277352.1	Emiliania huxleyi	photosystem I subunit XI
RL00aef356	90994413	YP_536903.1	Porphyra yezoensis	photosystem I subunit XI
RL00aef356	118410971	YP_874366.1	Phaeodactylum tricornutum	photosystem I protein L
RL00aef356	118411163	YP_874557.1	Thalassiosira pseudonana	photosystem I protein L
RL00aef356	149071990	YP_001293537.1	Rhodomonas salina	photosystem I subunit XI
RL00aef356	189095382	YP_001936395.1	Heterosigma akashiwo	photosystem I subunit XI
RL00aef356	215400798	YP_002327559.1	Vaucheria litorea	PSI reaction center subunit XI
RL00aef356	242620018	YP_003002022.1	Aureococcus anophagefferens	photosystem I reaction center subunit XI
RL00aef356	242624362	YP_003002280.1	Aureoumbra lagunensis	photosystem I reaction center subunit XI
RL00aef356	269101129	YP_003289277.1	Ectocarpus siliculosus	Photosystem I reaction centre subunit XI
RL00aef356	299830303	YP_003734518.1	Kryptoperidinium foliaceum	photosystem I protein subunit XI
RL00aef356	299830512	YP_003734958.1	Durinskia baltica	photosystem I protein L
RL00aef356	315320494	YP_004072550.1	Thalassiosira oceanica CCMP1005	photosystem I reaction center subunit XI
RL00aef356	330850915	YP_004376665.1	Fistulifera sp. JPCC DA0580	photosystem I protein L
RL00aef358	11465560	NP_045048.1	Cyanidium caldarium	photosystem I assembly protein Ycf4

RL00aef358	11465686	NP_053830.1	Porphyra purpurea	photosystem I assembly protein Ycf4
RL00aef358	11467531	NP_043677.1	Odontella sinensis	photosystem I assembly protein Ycf4
RL00aef358	11467672	NP_050724.1	Guillardia theta	photosystem I assembly protein Ycf4
RL00aef358	30468245	NP_849132.1	Cyanidioschyzon merolae strain 10D	photosystem I assembly protein Ycf4
RL00aef358	51210001	YP_063665.1	Gracilaria tenuistipitata var. liui	photosystem I assembly protein Ycf4
RL00aef358	71842270	YP_277358.1	Emiliania huxleyi	photosystem I assembly protein Ycf4
RL00aef358	90994411	YP_536901.1	Porphyra yezoensis	photosystem I assembly protein Ycf4
RL00aef358	118410973	YP_874368.1	Phaeodactylum tricornutum	photosystem I assembly protein ycf4
RL00aef358	118411161	YP_874555.1	Thalassiosira pseudonana	photosystem I assembly protein ycf4
RL00aef358	149072071	YP_001293535.1	Rhodomonas salina	photosystem I assembly protein ycf4
RL00aef358	189095304	YP_001936317.1	Heterosigma akashiwo	photosystem I assembly protein Ycf4
RL00aef358	215400800	YP_002327561.1	Vaucheria litorea	PSI assembly protein YCF4
RL00aef358	242620016	YP_003002020.1	Aureococcus anophagefferens	photosystem I assembly protein Ycf4
RL00aef358	242624364	YP_003002282.1	Aureoumbra lagunensis	photosystem I assembly protein Ycf4
RL00aef358	269101131	YP_003289279.1	Ectocarpus siliculosus	Photosystem I assembly protein ycf4
RL00aef358	299830301	YP_003734516.1	Kryptoperidinium foliaceum	photosystem I assembly protein Ycf4
RL00aef358	299830514	YP_003734960.1	Durinskia baltica	photosystem I assembly protein ycf4
RL00aef358	301500924	YP_003795389.1	Alveolata sp. CCMP3155	photosystem I assembly protein Ycf4
RL00aef358	315320496	YP_004072552.1	Thalassiosira oceanica CCMP1005	photosystem I assembly protein Ycf4
RL00aef358	330850917	YP_004376667.1	Fistulifera sp. JPCC DA0580	photosystem I assembly protein ycf4

RL00aef359	11465561	NP_045047.1	Cyanidium caldarium	photosystem II protein V
RL00aef359	11465857	NP_054001.1	Porphyra purpurea	photosystem II protein V
RL00aef359	11467532	NP_043678.1	Odontella sinensis	photosystem II protein V
RL00aef359	11467671	NP_050723.1	Guillardia theta	photosystem II protein V
RL00aef359	30468244	NP_849131.1	Cyanidioschyzon merolae strain 10D	photosystem II protein V
RL00aef359	51210042	YP_063706.1	Gracilaria tenuistipitata var. liui	photosystem II protein V
RL00aef359	71842299	YP_277387.1	Emiliania huxleyi	photosystem II protein V
RL00aef359	90994582	YP_537072.1	Porphyra yezoensis	photosystem II protein V
RL00aef359	118410974	YP_874369.1	Phaeodactylum tricornutum	cytochrome b559 alpha chain
RL00aef359	118411160	YP_874554.1	Thalassiosira pseudonana	cytochrome b559 alpha chain
RL00aef359	149072072	YP_001293534.1	Rhodomonas salina	cytochrome b559 alpha chain
RL00aef359	189095305	YP_001936318.1	Heterosigma akashiwo	photosystem II protein V
RL00aef359	215400801	YP_002327562.1	Vaucheria litorea	PSII protein E
RL00aef359	242620081	YP_003002085.1	Aureococcus anophagefferens	cytochrome b559 alpha chain
RL00aef359	242624307	YP_003002225.1	Aureoumbra lagunensis	cytochrome b559 alpha chain
RL00aef359	269101140	YP_003289288.1	Ectocarpus siliculosus	cytochrome b559 alpha subunit
RL00aef359	299830300	YP_003734515.1	Kryptoperidinium foliaceum	photosystem II protein V
RL00aef359	299830515	YP_003734961.1	Durinskia baltica	cytochrome b559 alpha subunit
RL00aef359	301500857	YP_003795269.1	Chromera velia	protein=photosystem II protein V
RL00aef359	301500925	YP_003795390.1	Alveolata sp. CCMP3155	protein=photosystem II protein V
RL00aef359	315320497	YP_004072553.1	Thalassiosira oceanica CCMP1005	cytochrome b559 subunit alpha
RL00aef359	330850918	YP_004376668.1	Fistulifera sp. JPCC DA0580	cytochrome b559 alpha chain

RL00aef35a	11465562	NP_045046.1	Cyanidium caldarium	photosystem II protein VI
RL00aef35a	11465856	NP_054000.1	Porphyra purpurea	photosystem II protein VI
RL00aef35a	11467533	NP_043679.1	Odontella sinensis	photosystem II protein VI
RL00aef35a	11467670	NP_050722.1	Guillardia theta	photosystem II protein VI
RL00aef35a	30468243	NP_849130.1	Cyanidioschyzon merolae strain 10D	photosystem II protein VI
RL00aef35a	51210041	YP_063705.1	Gracilaria tenuistipitata var. liui	photosystem II protein VI
RL00aef35a	71842298	YP_277386.1	Emiliana huxleyi	photosystem II protein VI
RL00aef35a	90994581	YP_537071.1	Porphyra yezoensis	photosystem II protein VI
RL00aef35a	118410975	YP_874370.1	Phaeodactylum tricornutum	cytochrome b559 beta chain
RL00aef35a	118411159	YP_874553.1	Thalassiosira pseudonana	cytochrome b559 beta chain
RL00aef35a	149072073	YP_001293533.1	Rhodomonas salina	photosystem II cytochrome b559 beta subunit
RL00aef35a	189095306	YP_001936319.1	Heterosigma akashiwo	photosystem II protein VI
RL00aef35a	215400802	YP_002327563.1	Vaucheria litorea	PSII protein F
RL00aef35a	242620080	YP_003002084.1	Aureococcus anophagefferens	cytochrome b559 beta chain
RL00aef35a	242624306	YP_003002224.1	Aureoumbra lagunensis	cytochrome b559 beta chain
RL00aef35a	269101139	YP_003289287.1	Ectocarpus siliculosus	cytochrome b559 subunit beta
RL00aef35a	299830299	YP_003734514.1	Kryptoperidinium foliaceum	photosystem II protein VI
RL00aef35a	299830516	YP_003734962.1	Durinskia baltica	cytochrome b559 beta subunit
RL00aef35a	301500926	YP_003795391.1	Alveolata sp. CCMP3155	photosystem II protein VI
RL00aef35a	315320498	YP_004072554.1	Thalassiosira oceanica CCMP1005	cytochrome b559 subunit beta
RL00aef35a	330850919	YP_004376669.1	Fistulifera sp. JPCC DA0580	cytochrome b559 beta chain

RL00aef35b	11465563	NP_045045.1	Cyanidium caldarium	photosystem II protein L
RL00aef35b	11465855	NP_053999.1	Porphyra purpurea	photosystem II protein L
RL00aef35b	11467534	NP_043680.1	Odontella sinensis	photosystem II protein L
RL00aef35b	11467669	NP_050721.1	Guillardia theta	photosystem II protein L
RL00aef35b	30468242	NP_849129.1	Cyanidioschyzon merolae strain 10D	photosystem II protein L
RL00aef35b	51210040	YP_063704.1	Gracilaria tenuistipitata var. liui	photosystem II protein L
RL00aef35b	71842297	YP_277385.1	Emiliana huxleyi	photosystem II protein L
RL00aef35b	90994580	YP_537070.1	Porphyra yezoensis	photosystem II protein L
RL00aef35b	118410976	YP_874371.1	Phaeodactylum tricornutum	photosystem II protein L
RL00aef35b	118411158	YP_874552.1	Thalassiosira pseudonana	photosystem II protein L
RL00aef35b	149072074	YP_001293532.1	Rhodomonas salina	photosystem II protein L
RL00aef35b	189095307	YP_001936320.1	Heterosigma akashiwo	photosystem II protein L
RL00aef35b	215400803	YP_002327564.1	Vaucheria litorea	PSII protein L
RL00aef35b	242620079	YP_003002083.1	Aureococcus anophagefferens	photosystem II protein L
RL00aef35b	242624305	YP_003002223.1	Aureoumbra lagunensis	photosystem II protein L
RL00aef35b	269101138	YP_003289286.1	Ectocarpus siliculosus	Photosystem II reaction center protein L
RL00aef35b	299830298	YP_003734513.1	Kryptoperidinium foliaceum	photosystem II protein L
RL00aef35b	299830517	YP_003734963.1	Durinskia baltica	photosystem II protein L
RL00aef35b	315320499	YP_004072555.1	Thalassiosira oceanica CCMP1005	photosystem II reaction center protein L
RL00aef35b	330850920	YP_004376670.1	Fistulifera sp. JPCC DA0580	photosystem II protein L

RL00aef35c	11465564	NP_045044.1	Cyanidium caldarium	photosystem II protein J
RL00aef35c	11465854	NP_053998.1	Porphyra purpurea	photosystem II protein J
RL00aef35c	11467535	NP_043681.1	Odontella sinensis	photosystem II protein J
RL00aef35c	11467668	NP_050720.1	Guillardia theta	photosystem II protein J
RL00aef35c	30468241	NP_849128.1	Cyanidioschyzon merolae strain 10D	photosystem II protein J
RL00aef35c	51210039	YP_063703.1	Gracilaria tenuistipitata var. liui	photosystem II protein J
RL00aef35c	71842296	YP_277384.1	Emiliana huxleyi	photosystem II protein J
RL00aef35c	90994579	YP_537069.1	Porphyra yezoensis	photosystem II protein J
RL00aef35c	118410977	YP_874372.1	Phaeodactylum tricornutum	photosystem II protein J
RL00aef35c	118411157	YP_874551.1	Thalassiosira pseudonana	photosystem II protein J
RL00aef35c	149072075	YP_001293531.1	Rhodomonas salina	photosystem II reaction center protein J
RL00aef35c	189095308	YP_001936321.1	Heterosigma akashiwo	photosystem II protein J
RL00aef35c	215400804	YP_002327565.1	Vaucheria litorea	PSII protein J
RL00aef35c	242620078	YP_003002082.1	Aureococcus anophagefferens	photosystem II protein J
RL00aef35c	242624304	YP_003002222.1	Aureoumbra lagunensis	photosystem II protein J
RL00aef35c	269101137	YP_003289285.1	Ectocarpus siliculosus	Photosystem II reaction center protein J
RL00aef35c	299830297	YP_003734512.1	Kryptoperidinium foliaceum	photosystem II protein J
RL00aef35c	299830632	YP_003734964.1	Durinskia baltica	photosystem II protein J
RL00aef35c	301500874	YP_003795286.1	Chromera velia	photosystem II protein J
RL00aef35c	301500990	YP_003795455.1	Alveolata sp. CCMP3155	photosystem II protein J
RL00aef35c	301501003	YP_003795468.1	Alveolata sp. CCMP3155	photosystem II protein J
RL00aef35c	315320500	YP_004072556.1	Thalassiosira oceanica CCMP1005	photosystem II reaction center protein J
RL00aef35c	330850921	YP_004376671.1	Fistulifera sp. JPCC DA0580	photosystem II protein J
RL00aef35d	11465565	NP_045043.1	Cyanidium caldarium	photosystem I subunit VIII
RL00aef35d	11465853	NP_053997.1	Porphyra purpurea	photosystem I subunit VIII
RL00aef35d	11467544	NP_043690.1	Odontella sinensis	photosystem I subunit VIII
RL00aef35d	11467667	NP_050719.1	Guillardia theta	photosystem I subunit VIII
RL00aef35d	30468240	NP_849127.1	Cyanidioschyzon merolae strain 10D	photosystem I reaction center subunit IV
RL00aef35d	51210038	YP_063702.1	Gracilaria tenuistipitata var. liui	photosystem I reaction center subunit VIII
RL00aef35d	71842306	YP_277394.1	Emiliana huxleyi	photosystem I subunit VIII
RL00aef35d	90994578	YP_537068.1	Porphyra yezoensis	photosystem I subunit VIII
RL00aef35d	118410983	YP_874378.1	Phaeodactylum tricornutum	photosystem I protein I
RL00aef35d	118411147	YP_874541.1	Thalassiosira pseudonana	photosystem I protein I
RL00aef35d	149071989	YP_001293530.1	Rhodomonas salina	photosystem I subunit VIII
RL00aef35d	189095389	YP_001936402.1	Heterosigma akashiwo	photosystem I reaction center subunit IV
RL00aef35d	215400805	YP_002327566.1	Vaucheria litorea	PSI reaction center subunit VIII
RL00aef35d	269101136	YP_003289284.1	Ectocarpus siliculosus	Photosystem I reaction centre subunit VIII
RL00aef35d	299830317	YP_003734532.1	Kryptoperidinium foliaceum	photosystem I protein I
RL00aef35d	299830523	YP_003734970.1	Durinskia baltica	photosystem I protein I
RL00aef35d	315320510	YP_004072566.1	Thalassiosira oceanica CCMP1005	photosystem I reaction center subunit VIII
RL00aef35d	330850927	YP_004376677.1	Fistulifera sp. JPCC DA0580	photosystem I protein I

RL00aef35e	11465566	NP_045042.1	Cyanidium caldarium	ferredoxin thioreductase subunit beta
RL00aef35e	11465852	NP_053996.1	Porphyra purpurea	ferredoxin thioreductase subunit beta
RL00aef35e	11467666	NP_050718.1	Guillardia theta	ferredoxin thioreductase subunit beta
RL00aef35e	30468239	NP_849126.1	Cyanidioschyzon merolae strain 10D	ferredoxin-thioreductase subunit beta
RL00aef35e	51210037	YP_063701.1	Gracilaria tenuistipitata var. liui	ferredoxin thioreductase subunit beta
RL00aef35e	90994577	YP_537067.1	Porphyra yezoensis	ferredoxin thioreductase subunit beta
RL00aef35e	149072076	YP_001293529.1	Rhodomonas salina	ferredoxin thioreductase subunit beta
RL00aef35e	189095380	YP_001936393.1	Heterosigma akashiwo	ferredoxin thioreductase subunit beta
RL00aef35e	215400806	YP_002327567.1	Vaucheria litorea	ferredoxin-thioredoxin reductase catalytic chain
RL00aef35e	269101135	YP_003289283.1	Ectocarpus siliculosus	Ferredoxin thioredoxin reductase, beta chain

RL00aef35f	11465567	NP_045041.1	Cyanidium caldarium	ATP synthase CF1 alpha subunit
RL00aef35f	11465708	NP_053852.1	Porphyra purpurea	ATP synthase CF1 alpha subunit
RL00aef35f	11467516	NP_043662.1	Odontella sinensis	ATP synthase CF1 alpha subunit
RL00aef35f	11467680	NP_050732.1	Guillardia theta	ATP synthase CF1 alpha subunit
RL00aef35f	30468238	NP_849125.1	Cyanidioschyzon merolae strain 10D	ATP synthase CF1 alpha subunit
RL00aef35f	51209988	YP_063652.1	Gracilaria tenuistipitata var. liui	ATP synthase CF1 alpha subunit
RL00aef35f	71842282	YP_277370.1	Emiliania huxleyi	ATP synthase CF1 alpha subunit
RL00aef35f	90994433	YP_536923.1	Porphyra yezoensis	ATP synthase CF1 alpha subunit
RL00aef35f	118411031	YP_874426.1	Phaeodactylum tricornutum	ATP synthase CF1 alpha chain
RL00aef35f	118411112	YP_874506.1	Thalassiosira pseudonana	ATP synthase CF1 alpha chain
RL00aef35f	149072066	YP_001293543.1	Rhodomonas salina	ATP synthase CF1 subunit a
RL00aef35f	189095369	YP_001936382.1	Heterosigma akashiwo	ATP synthase CF1 alpha subunit
RL00aef35f	215400704	YP_002327465.1	Vaucheria litorea	ATP synthase CF1 alpha subunit
RL00aef35f	242620034	YP_003002038.1	Aureococcus anophagefferens	ATP synthase CF1 alpha chain
RL00aef35f	242624348	YP_003002266.1	Aureoumbra lagunensis	ATP synthase CF1 alpha chain
RL00aef35f	269101102	YP_003289250.1	Ectocarpus siliculosus	ATP synthase CF1, subunit alpha
RL00aef35f	283794874	YP_003359227.1	Cryptomonas paramecium	ATP synthase CF1 alpha subunit
RL00aef35f	299830366	YP_003734581.1	Kryptoperidinium foliaceum	ATP synthase CF1 alpha subunit
RL00aef35f	299830569	YP_003735017.1	Durinskia baltica	ATP synthase CF1 alpha subunit
RL00aef35f	301500919	YP_003795331.1	Chromera velia	ATP synthase CF1 alpha subunit
RL00aef35f	301500930	YP_003795395.1	Alveolata sp. CCMP3155	ATP synthase CF1 alpha subunit
RL00aef35f	315320537	YP_004072593.1	Thalassiosira oceanica CCMP1005	ATP synthase CF1 subunit alpha
RL00aef35f	330850946	YP_004376696.1	Fistulifera sp. JPCC DA0580	ATP synthase CF1 alpha chain

RL00aef360	11465568	NP_045040.1	Cyanidium caldarium	ATP synthase CF1 delta subunit
RL00aef360	11465709	NP_053853.1	Porphyra purpurea	ATP synthase CF1 delta subunit
RL00aef360	11467515	NP_043661.1	Odontella sinensis	ATP synthase CF1 delta subunit
RL00aef360	11467681	NP_050733.1	Guillardia theta	ATP synthase CF1 delta subunit
RL00aef360	30468237	NP_849124.1	Cyanidioschyzon merolae strain 10D	ATP synthase CF1 delta chain
RL00aef360	51209987	YP_063651.1	Gracilaria tenuistipitata var. liui	ATP synthase CF1 delta subunit
RL00aef360	71842281	YP_277369.1	Emiliania huxleyi	ATP synthase CF1 delta subunit

RL00aef360	90994434	YP_536924.1	Porphyra yezoensis	ATP synthase CF1 delta subunit
RL00aef360	118411030	YP_874425.1	Phaeodactylum tricornutum	ATP synthase CF1 delta chain
RL00aef360	118411111	YP_874505.1	Thalassiosira pseudonana	ATP synthase CF1 delta chain
RL00aef360	149072065	YP_001293544.1	Rhodomonas salina	ATP synthase CF1 subunit d
RL00aef360	189095368	YP_001936381.1	Heterosigma akashiwo	ATP synthase CF1 delta chain
RL00aef360	215400705	YP_002327466.1	Vaucheria litorea	ATP synthase CF1 subunit d
RL00aef360	242620033	YP_003002037.1	Aureococcus anophagefferens	ATP synthase CF1 delta chain
RL00aef360	242624347	YP_003002265.1	Aureoumbra lagunensis	ATP synthase CF1 delta chain
RL00aef360	269101101	YP_003289249.1	Ectocarpus siliculosus	ATP synthase CF1, subunit delta
RL00aef360	283794875	YP_003359228.1	Cryptomonas paramecium	ATP synthase CF1 delta subunit
RL00aef360	299830365	YP_003734580.1	Kryptoperidinium foliaceum	ATP synthase CF1 delta subunit
RL00aef360	299830568	YP_003735016.1	Durinskia baltica	ATP synthase CF1 delta subunit
RL00aef360	315320536	YP_004072592.1	Thalassiosira oceanica CCMP1005	ATP synthase CF1 subunit delta
RL00aef360	330850945	YP_004376695.1	Fistulifera sp. JPCC DA0580	ATP synthase CF1 delta chain
RL00aef361	11465569	NP_045039.1	Cyanidium caldarium	ATP synthase CF0 B chain
RL00aef361	11465710	NP_053854.1	Porphyra purpurea	ATP synthase CF0 B subunit
RL00aef361	11467514	NP_043660.1	Odontella sinensis	ATP synthase CF0 B chain
RL00aef361	11467682	NP_050734.1	Guillardia theta	ATP synthase CF0 B subunit
RL00aef361	30468236	NP_849123.1	Cyanidioschyzon merolae strain 10D	ATP synthase CF0 B chain
RL00aef361	51209986	YP_063650.1	Gracilaria tenuistipitata var. liui	ATP synthase CF0 B subunit
RL00aef361	71842280	YP_277368.1	Emiliania huxleyi	ATP synthase CF0 B subunit
RL00aef361	90994435	YP_536925.1	Porphyra yezoensis	ATP synthase CF0 B subunit
RL00aef361	118411029	YP_874424.1	Phaeodactylum tricornutum	ATP synthase CF0 B chain subunit I
RL00aef361	118411110	YP_874504.1	Thalassiosira pseudonana	ATP synthase CF0 B chain subunit I
RL00aef361	149072064	YP_001293545.1	Rhodomonas salina	ATP synthase CF1 subunit f
RL00aef361	189095367	YP_001936380.1	Heterosigma akashiwo	ATP synthase CF0 B chain
RL00aef361	215400706	YP_002327467.1	Vaucheria litorea	ATP synthase CF0 subunit I
RL00aef361	242620032	YP_003002036.1	Aureococcus anophagefferens	ATP synthase CF0 B chain subunit I
RL00aef361	242624346	YP_003002264.1	Aureoumbra lagunensis	ATP synthase CF0 B chain subunit I
RL00aef361	269101100	YP_003289248.1	Ectocarpus siliculosus	ATP synthase CF0, subunit B
RL00aef361	299830364	YP_003734579.1	Kryptoperidinium foliaceum	ATP synthase CF0 B chain subunit I
RL00aef361	299830567	YP_003735015.1	Durinskia baltica	ATP synthase CF0 B chain subunit I
RL00aef361	315320535	YP_004072591.1	Thalassiosira oceanica CCMP1005	ATP synthase CF0 subunit I B chain
RL00aef361	330850944	YP_004376694.1	Fistulifera sp. JPCC DA0580	ATP synthase CF0 B chain subunit I
RL00aef362	11465570	NP_045038.1	Cyanidium caldarium	ATP synthase CF0 B' subunit
RL00aef362	11465711	NP_053855.1	Porphyra purpurea	ATP synthase CF0 B' subunit
RL00aef362	11467513	NP_043659.1	Odontella sinensis	ATP synthase CF0 B' subunit
RL00aef362	11467683	NP_050735.1	Guillardia theta	ATP synthase CF0 B' subunit
RL00aef362	30468235	NP_849122.1	Cyanidioschyzon merolae strain 10D	ATP synthase CF0 B' subunit
RL00aef362	51209985	YP_063649.1	Gracilaria tenuistipitata var. liui	ATP synthase CF0 B' subunit
RL00aef362	71842279	YP_277367.1	Emiliania huxleyi	ATP synthase CF0 B' subunit

RL00aef362	90994436	YP_536926.1	Porphyra yezoensis	ATP synthase CF0 B' subunit
RL00aef362	118411028	YP_874423.1	Phaeodactylum tricornutum	ATP synthase CF0 B' chain subunit II
RL00aef362	118411109	YP_874503.1	Thalassiosira pseudonana	ATP synthase CF0 B' chain subunit II
RL00aef362	149072063	YP_001293546.1	Rhodomonas salina	ATP synthase CF0 subunit II
RL00aef362	189095366	YP_001936379.1	Heterosigma akashiwo	ATP synthase CF0 B' subunit
RL00aef362	215400707	YP_002327468.1	Vaucheria litorea	ATP synthase CF0 subunit II
RL00aef362	242620031	YP_003002035.1	Aureococcus anophagefferens	ATP synthase CF0 B'chain subunit II
RL00aef362	242624345	YP_003002263.1	Aureoumbra lagunensis	ATP synthase CF0 B'chain subunit II
RL00aef362	269101099	YP_003289247.1	Ectocarpus siliculosus	ATP synthase CF0, subunit B'
RL00aef362	283794876	YP_003359229.1	Cryptomonas paramecium	ATP synthase CF0 B' subunit
RL00aef362	299830363	YP_003734578.1	Kryptoperidinium foliaceum	ATP synthase CF0 B' chain subunit II
RL00aef362	299830566	YP_003735014.1	Durinskia baltica	ATP synthase CF0 B' chain subunit II
RL00aef362	315320534	YP_004072590.1	Thalassiosira oceanica CCMP1005	ATP synthase CF0 subunit II B' chain
RL00aef362	330850943	YP_004376693.1	Fistulifera sp. JPCC DA0580	ATP synthase CF0 B' chain subunit II
RL00aef363	11465571	NP_045037.1	Cyanidium caldarium	ATP synthase CF0 C subunit
RL00aef363	11465712	NP_053856.1	Porphyra purpurea	ATP synthase CF0 C subunit
RL00aef363	11467512	NP_043658.1	Odontella sinensis	ATP synthase CF0 C subunit
RL00aef363	11467684	NP_050736.1	Guillardia theta	ATP synthase CF0 C subunit
RL00aef363	30468234	NP_849121.1	Cyanidioschyzon merolae strain 10D	ATP synthase CF0 C subunit
RL00aef363	51209984	YP_063648.1	Gracilaria tenuistipitata var. liui	ATP synthase CF0 C subunit
RL00aef363	71842278	YP_277366.1	Emiliania huxleyi	ATP synthase CF0 C subunit
RL00aef363	90994437	YP_536927.1	Porphyra yezoensis	ATP synthase CF0 C subunit
RL00aef363	118411027	YP_874422.1	Phaeodactylum tricornutum	ATP synthase CF0 C chain subunit III
RL00aef363	118411108	YP_874502.1	Thalassiosira pseudonana	ATP synthase CF0 C chain subunit III
RL00aef363	149072062	YP_001293547.1	Rhodomonas salina	ATP synthase CF0 C chain
RL00aef363	189095365	YP_001936378.1	Heterosigma akashiwo	ATP synthase CF0 C subunit
RL00aef363	215400708	YP_002327469.1	Vaucheria litorea	ATP synthase CF0 subunit III
RL00aef363	242620030	YP_003002034.1	Aureococcus anophagefferens	ATP synthase CF0 C chain subunit III
RL00aef363	242624344	YP_003002262.1	Aureoumbra lagunensis	ATP synthase CF0 C chain subunit III
RL00aef363	269101098	YP_003289246.1	Ectocarpus siliculosus	ATP synthase CF0, subunit C
RL00aef363	283794877	YP_003359230.1	Cryptomonas paramecium	ATP synthase CF0 C subunit
RL00aef363	299830362	YP_003734577.1	Kryptoperidinium foliaceum	ATP synthase CF0 C chain subunit III
RL00aef363	299830565	YP_003735013.1	Durinskia baltica	ATP synthase CF0 C chain subunit III
RL00aef363	301500886	YP_003795298.1	Chromera velia	ATP synthase CF0 C subunit
RL00aef363	301500932	YP_003795397.1	Alveolata sp. CCMP3155	ATP synthase CF0 C subunit
RL00aef363	315320533	YP_004072589.1	Thalassiosira oceanica CCMP1005	ATP synthase CF0 subunit III C chain
RL00aef363	330850942	YP_004376692.1	Fistulifera sp. JPCC DA0580	ATP synthase CF0 C chain subunit III
RL00aef364	11465572	NP_045036.1	Cyanidium caldarium	ATP synthase CF0 A subunit
RL00aef364	11465713	NP_053857.1	Porphyra purpurea	ATP synthase CF0 A subunit
RL00aef364	11467511	NP_043657.1	Odontella sinensis	ATP synthase CF0 A subunit
RL00aef364	11467685	NP_050737.1	Guillardia theta	ATP synthase CF0 A subunit

RL00aef364	30468233	NP_849120.1	Cyanidioschyzon merolae strain 10D	ATP synthase CF0 A subunit
RL00aef364	51209983	YP_063647.1	Gracilaria tenuistipitata var. liui	ATP synthase CF0 A subunit
RL00aef364	90994438	YP_536928.1	Porphyra yezoensis	ATP synthase CF0 A subunit
RL00aef364	118411026	YP_874421.1	Phaeodactylum tricornutum	ATP synthase CF0 A chain subunit IV
RL00aef364	118411107	YP_874501.1	Thalassiosira pseudonana	ATP synthase CF0 A chain subunit IV
RL00aef364	126165908	YP_277365.2	Emiliana huxleyi	ATP synthase CF0 A subunit
RL00aef364	149072061	YP_001293548.1	Rhodomonas salina	ATP synthase CF0 A chain
RL00aef364	189095364	YP_001936377.1	Heterosigma akashiwo	ATP synthase CF0 A subunit
RL00aef364	215400709	YP_002327470.1	Vaucheria litorea	ATP synthase CF0 subunit IV
RL00aef364	242620029	YP_003002033.1	Aureococcus anophagefferens	ATP synthase CF0 A chain subunit IV
RL00aef364	242624343	YP_003002261.1	Aureoumbra lagunensis	ATP synthase CF0 A chain subunit IV
RL00aef364	269101097	YP_003289245.1	Ectocarpus siliculosus	ATP synthase CF0, subunit A
RL00aef364	283794878	YP_003359231.1	Cryptomonas paramecium	ATP synthase CF0 A subunit
RL00aef364	299830361	YP_003734576.1	Kryptoperidinium foliaceum	ATP synthase CF0 A chain subunit IV
RL00aef364	299830564	YP_003735012.1	Durinskia baltica	ATP synthase CF0 A chain subunit IV
RL00aef364	301500898	YP_003795310.1	Chromera velia	ATP synthase CF0 A chain
RL00aef364	301500933	YP_003795398.1	Alveolata sp. CCMP3155	ATP synthase CF0 A chain
RL00aef364	315320532	YP_004072588.1	Thalassiosira oceanica CCMP1005	ATP synthase CF0 subunit IV A chain
RL00aef364	330850941	YP_004376691.1	Fistulifera sp. JPCC DA0580	ATP synthase CF0 A chain subunit IV

RL00aef365	11465573	NP_045035.1	Cyanidium caldarium	elongation factor Ts
RL00aef365	11465714	NP_053858.1	Porphyra purpurea	elongation factor Ts
RL00aef365	11467686	NP_050738.1	Guillardia theta	elongation factor Ts
RL00aef365	30468232	NP_849119.1	Cyanidioschyzon merolae strain 10D	elongation factor Ts
RL00aef365	51209982	YP_063646.1	Gracilaria tenuistipitata var. liui	elongation factor Ts
RL00aef365	90994439	YP_536929.1	Porphyra yezoensis	elongation factor Ts
RL00aef365	118411021	YP_874416.1	Phaeodactylum tricornutum	elongation factor Ts
RL00aef365	149072060	YP_001293549.1	Rhodomonas salina	elongation factor Ts
RL00aef365	215400710	YP_002327471.1	Vaucheria litorea	elongation factor Ts
RL00aef365	269101096	YP_003289244.1	Ectocarpus siliculosus	Translation elongation factor Ts
RL00aef365	283794879	YP_003359232.1	Cryptomonas paramecium	elongation factor Ts
RL00aef365	330850947	YP_004376697.1	Fistulifera sp. JPCC DA0580	elongation factor Ts

RL00aef366	11465574	NP_045034.1	Cyanidium caldarium	ribosomal protein S2
RL00aef366	11465715	NP_053859.1	Porphyra purpurea	ribosomal protein S2
RL00aef366	11467570	NP_043716.1	Odontella sinensis	ribosomal protein S2
RL00aef366	11467687	NP_050739.1	Guillardia theta	ribosomal protein S2
RL00aef366	11496554	NP_044567.1	Toxoplasma gondii RH	ribosomal protein S2
RL00aef366	30468231	NP_849118.1	Cyanidioschyzon merolae strain 10D	ribosomal protein S2
RL00aef366	31442387	NP_852644.1	Eimeria tenella strain Penn State	ribosomal protein S2
RL00aef366	51209981	YP_063645.1	Gracilaria tenuistipitata var. liui	ribosomal protein S2
RL00aef366	71026021	XP_762713.1	Theileria parva strain Muguga	ribosomal protein S2
RL00aef366	71842276	YP_277364.1	Emiliana huxleyi	ribosomal protein S2

RL00aef366	90994440	YP_536930.1	Porphyra yezoensis	ribosomal protein S2
RL00aef366	118411020	YP_874415.1	Phaeodactylum tricornutum	30S ribosomal protein S2
RL00aef366	118411126	YP_874520.1	Thalassiosira pseudonana	30S ribosomal protein S2
RL00aef366	149072059	YP_001293550.1	Rhodomonas salina	30S ribosomal protein S2
RL00aef366	189095356	YP_001936369.1	Heterosigma akashiwo	ribosomal protein S2
RL00aef366	209892871	YP_002290844.1	Babesia bovis T2Bo	rps2
RL00aef366	215400711	YP_002327472.1	Vaucheria litorea	ribosomal protein S2
RL00aef366	242620028	YP_003002032.1	Aureococcus anophagefferens	30S ribosomal protein S2
RL00aef366	242624342	YP_003002260.1	Aureoumbra lagunensis	30S ribosomal protein S2
RL00aef366	269101095	YP_003289243.1	Ectocarpus siliculosus	30S ribosomal protein S2
RL00aef366	283794880	YP_003359233.1	Cryptomonas paramecium	ribosomal protein S2
RL00aef366	299830354	YP_003734569.1	Kryptoperidinium foliaceum	ribosomal protein S2
RL00aef366	299830559	YP_003735007.1	Durinskia baltica	30S ribosomal protein S2
RL00aef366	301500885	YP_003795297.1	Chromera velia	ribosomal protein S2
RL00aef366	301500934	YP_003795399.1	Alveolata sp. CCMP3155	ribosomal protein S2
RL00aef366	315320478	YP_004072534.1	Thalassiosira oceanica CCMP1005	30S ribosomal protein S2
RL00aef366	330850948	YP_004376698.1	Fistulifera sp. JPCC DA0580	30S ribosomal protein S2
RL00aef367	11465575	NP_045033.1	Cyanidium caldarium	RNA polymerase beta" subunit
RL00aef367	11465716	NP_053860.1	Porphyra purpurea	RNA polymerase beta" subunit
RL00aef367	11467568	NP_043714.1	Odontella sinensis	RNA polymerase beta" chain
RL00aef367	11467688	NP_050740.1	Guillardia theta	RNA polymerase beta" subunit
RL00aef367	30468230	NP_849117.1	Cyanidioschyzon merolae strain 10D	RNA polymerase beta' chain
RL00aef367	51209980	YP_063644.1	Gracilaria tenuistipitata var. liui	RNA polymerase beta" subunit
RL00aef367	71842274	YP_277362.1	Emiliania huxleyi	RNA polymerase beta" subunit
RL00aef367	90994441	YP_536931.1	Porphyra yezoensis	RNA polymerase beta" subunit
RL00aef367	118411019	YP_874414.1	Phaeodactylum tricornutum	DNA-directed RNA polymerase beta' chain
RL00aef367	118411127	YP_874521.1	Thalassiosira pseudonana	DNA-directed RNA polymerase beta' chain
RL00aef367	149072058	YP_001293551.1	Rhodomonas salina	RNA polymerase beta' chain
RL00aef367	189095357	YP_001936370.1	Heterosigma akashiwo	RNA polymerase beta" subunit
RL00aef367	215400712	YP_002327473.1	Vaucheria litorea	RNA polymerase beta" subunit
RL00aef367	242620027	YP_003002031.1	Aureococcus anophagefferens	DNA-directed RNA polymerase beta" chain
RL00aef367	242624341	YP_003002259.1	Aureoumbra lagunensis	DNA-directed RNA polymerase beta" chain
RL00aef367	269101094	YP_003289242.1	Ectocarpus siliculosus	Plastid-encoded DNA-directed RNA polymerase subunit beta"
RL00aef367	283794881	YP_003359234.1	Cryptomonas paramecium	RNA polymerase beta" subunit
RL00aef367	299830353	YP_003734568.1	Kryptoperidinium foliaceum	RNA polymerase beta" subunit
RL00aef367	299830558	YP_003735006.1	Durinskia baltica	DNA-directed RNA polymerase beta' chain
RL00aef367	301500935	YP_003795400.1	Alveolata sp. CCMP3155	RNA polymerase beta" subunit
RL00aef367	315320479	YP_004072535.1	Thalassiosira oceanica CCMP1005	DNA-directed RNA polymerase subunit beta"
RL00aef367	330850949	YP_004376699.1	Fistulifera sp. JPCC DA0580	DNA-directed RNA polymerase beta' chain
RL00aef368	11465576	NP_045032.1	Cyanidium caldarium	RNA polymerase beta' subunit
RL00aef368	11465717	NP_053861.1	Porphyra purpurea	RNA polymerase beta' subunit

RL00aef368	11467567	NP_043713.1	<i>Odontella sinensis</i>	RNA polymerase beta' chain
RL00aef368	11467689	NP_050741.1	<i>Guillardia theta</i>	RNA polymerase beta' subunit
RL00aef368	11496557	NP_044568.1	<i>Toxoplasma gondii</i> RH	RNA polymerase beta' chain
RL00aef368	31442389	NP_852646.1	<i>Eimeria tenella</i> strain Penn State	RNA polymerase beta' subunit
RL00aef368	51209979	YP_063643.1	<i>Gracilaria tenuistipitata</i> var. liui	RNA polymerase beta' subunit
RL00aef368	71025987	XP_762698.1	<i>Theileria parva</i> strain Muguga	DNA-directed RNA polymerase subunit beta'
RL00aef368	71842273	YP_277361.1	<i>Emiliana huxleyi</i>	RNA polymerase beta' subunit
RL00aef368	90994442	YP_536932.1	<i>Porphyra yezoensis</i>	RNA polymerase beta' subunit
RL00aef368	118411018	YP_874413.1	<i>Phaeodactylum tricornutum</i>	DNA-directed RNA polymerase beta' chain
RL00aef368	118411128	YP_874522.1	<i>Thalassiosira pseudonana</i>	DNA-directed RNA polymerase beta' chain
RL00aef368	149072057	YP_001293552.1	<i>Rhodomonas salina</i>	RNA polymerase beta' chain
RL00aef368	189095358	YP_001936371.1	<i>Heterosigma akashiwo</i>	DNA-directed RNA polymerase beta' subunit
RL00aef368	209892874	YP_002290847.1	<i>Babesia bovis</i> T2Bo	rpoC1
RL00aef368	215400713	YP_002327474.1	<i>Vaucheria litorea</i>	RNA polymerase beta' subunit
RL00aef368	242620026	YP_003002030.1	<i>Aureococcus anophagefferens</i>	DNA-directed RNA polymerase beta' chain
RL00aef368	242624340	YP_003002258.1	<i>Aureoumbra lagunensis</i>	DNA-directed RNA polymerase beta' chain
RL00aef368	269101093	YP_003289241.1	<i>Ectocarpus siliculosus</i>	Plastid-encoded DNA-directed RNA polymerase subunit beta'
RL00aef368	283794882	YP_003359235.1	<i>Cryptomonas paramecium</i>	RNA polymerase beta' subunit
RL00aef368	299830352	YP_003734567.1	<i>Kryptoperidinium foliaceum</i>	RNA polymerase beta' subunit
RL00aef368	299830557	YP_003735005.1	<i>Durinskia baltica</i>	DNA-directed RNA polymerase beta' chain
RL00aef368	301500936	YP_003795401.1	<i>Alveolata</i> sp. CCMP3155	RNA polymerase beta' subunit
RL00aef368	315320480	YP_004072536.1	<i>Thalassiosira oceanica</i> CCMP1005	DNA-directed RNA polymerase subunit beta'
RL00aef368	330850950	YP_004376700.1	<i>Fistulifera</i> sp. JPCC DA0580	DNA-directed RNA polymerase beta' chain
RL00aef369	11465577	NP_045031.1	<i>Cyanidium caldarium</i>	RNA polymerase beta subunit
RL00aef369	11465718	NP_053862.1	<i>Porphyra purpurea</i>	RNA polymerase beta subunit
RL00aef369	11467566	NP_043712.1	<i>Odontella sinensis</i>	RNA polymerase beta subunit
RL00aef369	11467690	NP_050742.1	<i>Guillardia theta</i>	RNA polymerase beta subunit
RL00aef369	11496555	NP_044569.1	<i>Toxoplasma gondii</i> RH	RNA polymerase beta chain
RL00aef369	30468229	NP_849116.1	<i>Cyanidioschyzon merolae</i> strain 10D	RNA polymerase beta subunit
RL00aef369	31442390	NP_852647.1	<i>Eimeria tenella</i> strain Penn State	RNA polymerase beta chain
RL00aef369	51209978	YP_063642.1	<i>Gracilaria tenuistipitata</i> var. liui	RNA polymerase beta subunit
RL00aef369	71025985	XP_762697.1	<i>Theileria parva</i> strain Muguga	DNA-directed RNA polymerase subunit beta
RL00aef369	71842272	YP_277360.1	<i>Emiliana huxleyi</i>	RNA polymerase beta subunit
RL00aef369	90994443	YP_536933.1	<i>Porphyra yezoensis</i>	RNA polymerase beta subunit
RL00aef369	118411017	YP_874412.1	<i>Phaeodactylum tricornutum</i>	DNA-directed RNA polymerase beta chain
RL00aef369	118411129	YP_874523.1	<i>Thalassiosira pseudonana</i>	DNA-directed RNA polymerase beta chain
RL00aef369	149072056	YP_001293553.1	<i>Rhodomonas salina</i>	RNA polymerase beta' chain
RL00aef369	189095359	YP_001936372.1	<i>Heterosigma akashiwo</i>	RNA polymerase beta subunit
RL00aef369	209892875	YP_002290848.1	<i>Babesia bovis</i> T2Bo	rpoB
RL00aef369	215400714	YP_002327475.1	<i>Vaucheria litorea</i>	RNA polymerase beta subunit
RL00aef369	242620025	YP_003002029.1	<i>Aureococcus anophagefferens</i>	DNA-directed RNA polymerase beta chain
RL00aef369	242624339	YP_003002257.1	<i>Aureoumbra lagunensis</i>	DNA-directed RNA polymerase beta chain

RL00aef369	269101092	YP_003289240.1	Ectocarpus siliculosus	Plastid-encoded DNA-directed RNA polymerase subunit beta
RL00aef369	283794883	YP_003359236.1	Cryptomonas paramecium	RNA polymerase beta subunit
RL00aef369	299830351	YP_003734566.1	Kryptoperidinium foliaceum	RNA polymerase beta subunit
RL00aef369	299830556	YP_003735004.1	Durinskia baltica	DNA-directed RNA polymerase beta subunit
RL00aef369	301500896	YP_003795308.1	Chromera velia	RNA polymerase beta subunit
RL00aef369	301500937	YP_003795402.1	Alveolata sp. CCMP3155	RNA polymerase beta subunit
RL00aef369	315320481	YP_004072537.1	Thalassiosira oceanica CCMP1005	DNA-directed RNA polymerase subunit beta
RL00aef369	330850816	YP_004376566.1	Fistulifera sp. JPCC DA0580	DNA-directed RNA polymerase beta chain
RL00aef36b	11465579	NP_045029.1	Cyanidium caldarium	nitrogen regulatory protein PII
RL00aef36b	11465720	NP_053864.1	Porphyra purpurea	nitrogen regulatory protein PII
RL00aef36b	90994445	YP_536935.1	Porphyra yezoensis	nitrogen regulatory protein PII
RL00aef36c	11465580	NP_045028.1	Cyanidium caldarium	ribosomal protein L33
RL00aef36c	11465721	NP_053865.1	Porphyra purpurea	ribosomal protein L33
RL00aef36c	11467564	NP_043710.1	Odontella sinensis	ribosomal protein L33
RL00aef36c	11467692	NP_050744.1	Guillardia theta	ribosomal protein L33
RL00aef36c	30468227	NP_849114.1	Cyanidioschyzon merolae strain 10D	ribosomal protein L33
RL00aef36c	51209976	YP_063640.1	Gracilaria tenuistipitata var. liui	ribosomal protein L33
RL00aef36c	71842239	YP_277327.1	Emiliana huxleyi	ribosomal protein L33
RL00aef36c	90994446	YP_536936.1	Porphyra yezoensis	ribosomal protein L33
RL00aef36c	118411015	YP_874410.1	Phaeodactylum tricornutum	50S ribosomal protein L33
RL00aef36c	118411131	YP_874525.1	Thalassiosira pseudonana	50S ribosomal protein L33
RL00aef36c	149071993	YP_001293555.1	Rhodomonas salina	50S ribosomal protein L33
RL00aef36c	189095361	YP_001936374.1	Heterosigma akashiwo	50S ribosomal protein L33
RL00aef36c	215400695	YP_002327456.1	Vaucheria litorea	ribosomal protein L33
RL00aef36c	242620109	YP_003002113.1	Aureococcus anophagefferens	50S ribosomal protein L33
RL00aef36c	242624338	YP_003002256.1	Aureoumbra lagunensis	50S ribosomal protein L33
RL00aef36c	269101122	YP_003289270.1	Ectocarpus siliculosus	50S ribosomal protein L33
RL00aef36c	283794885	YP_003359238.1	Cryptomonas paramecium	ribosomal protein L33
RL00aef36c	299830349	YP_003734564.1	Kryptoperidinium foliaceum	ribosomal protein L33
RL00aef36c	299830554	YP_003735002.1	Durinskia baltica	50S ribosomal protein L33
RL00aef36c	315320483	YP_004072539.1	Thalassiosira oceanica CCMP1005	50S ribosomal protein L33
RL00aef36c	330850818	YP_004376568.1	Fistulifera sp. JPCC DA0580	50S ribosomal protein L33
RL00aef36d	11465581	NP_045027.1	Cyanidium caldarium	ribosomal protein S18
RL00aef36d	11465722	NP_053866.1	Porphyra purpurea	ribosomal protein S18
RL00aef36d	11467563	NP_043709.1	Odontella sinensis	ribosomal protein S18
RL00aef36d	11467693	NP_050745.1	Guillardia theta	ribosomal protein S18
RL00aef36d	51209975	YP_063639.1	Gracilaria tenuistipitata var. liui	30S ribosomal protein S18
RL00aef36d	71842240	YP_277328.1	Emiliana huxleyi	ribosomal protein S18
RL00aef36d	90994447	YP_536937.1	Porphyra yezoensis	ribosomal protein S18
RL00aef36d	118411014	YP_874409.1	Phaeodactylum tricornutum	30S ribosomal protein S18

RL00aef36d	118411132	YP_874526.1	<i>Thalassiosira pseudonana</i>	30S ribosomal protein S18
RL00aef36d	149071994	YP_001293556.1	<i>Rhodomonas salina</i>	ribosomal protein S18
RL00aef36d	189095362	YP_001936375.1	<i>Heterosigma akashiwo</i>	30S ribosomal protein S18
RL00aef36d	215400694	YP_002327457.1	<i>Vaucheria litorea</i>	ribosomal protein S18
RL00aef36d	242620110	YP_003002114.1	<i>Aureococcus anophagefferens</i>	30S ribosomal protein S18
RL00aef36d	242624337	YP_003002255.1	<i>Aureoumbra lagunensis</i>	30S ribosomal protein S18
RL00aef36d	283794886	YP_003359239.1	<i>Cryptomonas paramecium</i>	ribosomal protein S18
RL00aef36d	299830348	YP_003734563.1	<i>Kryptoperidinium foliaceum</i>	ribosomal protein S18
RL00aef36d	299830553	YP_003735001.1	<i>Durinskia baltica</i>	30S ribosomal protein S18
RL00aef36d	315320484	YP_004072540.1	<i>Thalassiosira oceanica</i> CCMP1005	30S ribosomal protein S18
RL00aef36d	330850819	YP_004376569.1	<i>Fistulifera</i> sp. JPCC DA0580	30S ribosomal protein S18
RL00aef36e	11465582	NP_045026.1	<i>Cyanidium caldarium</i>	ATP synthase CF1 epsilon subunit
RL00aef36e	11465726	NP_053870.1	<i>Porphyra purpurea</i>	ATP synthase CF1 epsilon subunit
RL00aef36e	11467560	NP_043706.1	<i>Odontella sinensis</i>	ATP synthase CF1 epsilon subunit
RL00aef36e	11467697	NP_050749.1	<i>Guillardia theta</i>	ATP synthase CF1 epsilon subunit
RL00aef36e	30468213	NP_849100.1	<i>Cyanidioschyzon merolae</i> strain 10D	ATP synthase CF1 epsilon subunit
RL00aef36e	51209971	YP_063635.1	<i>Gracilaria tenuistipitata</i> var. <i>liui</i>	ATP synthase CF1 epsilon subunit
RL00aef36e	71842250	YP_277338.1	<i>Emiliana huxleyi</i>	ATP synthase CF1 epsilon subunit
RL00aef36e	90994451	YP_536941.1	<i>Porphyra yezoensis</i>	ATP synthase CF1 epsilon subunit
RL00aef36e	118411011	YP_874406.1	<i>Phaeodactylum tricornutum</i>	ATP synthase CF1 epsilon chain
RL00aef36e	118411135	YP_874529.1	<i>Thalassiosira pseudonana</i>	ATP synthase CF1 epsilon chain
RL00aef36e	149071997	YP_001293560.1	<i>Rhodomonas salina</i>	ATP synthase subunit E
RL00aef36e	189095385	YP_001936398.1	<i>Heterosigma akashiwo</i>	ATP synthase CF1 epsilon chain
RL00aef36e	215400699	YP_002327460.1	<i>Vaucheria litorea</i>	ATP synthase CF1 subunit e
RL00aef36e	242620113	YP_003002117.1	<i>Aureococcus anophagefferens</i>	ATP synthase CF1 epsilon chain
RL00aef36e	242624354	YP_003002272.1	<i>Aureoumbra lagunensis</i>	ATP synthase CF1 epsilon chain
RL00aef36e	269101118	YP_003289266.1	<i>Ectocarpus siliculosus</i>	ATP synthase CF1, subunit epsilon
RL00aef36e	299830345	YP_003734560.1	<i>Kryptoperidinium foliaceum</i>	ATP synthase CF1 epsilon subunit
RL00aef36e	299830550	YP_003734998.1	<i>Durinskia baltica</i>	ATP synthase CF1 epsilon subunit
RL00aef36e	315320487	YP_004072543.1	<i>Thalassiosira oceanica</i> CCMP1005	ATP synthase CF1 subunit epsilon
RL00aef36e	330850822	YP_004376572.1	<i>Fistulifera</i> sp. JPCC DA0580	ATP synthase CF1 epsilon chain
RL00aef36f	11465583	NP_045025.1	<i>Cyanidium caldarium</i>	ATP synthase CF1 beta subunit
RL00aef36f	11465725	NP_053869.1	<i>Porphyra purpurea</i>	ATP synthase CF1 beta subunit
RL00aef36f	11467561	NP_043707.1	<i>Odontella sinensis</i>	ATP synthase CF1 beta subunit
RL00aef36f	11467696	NP_050748.1	<i>Guillardia theta</i>	ATP synthase CF1 beta subunit
RL00aef36f	30468214	NP_849101.1	<i>Cyanidioschyzon merolae</i> strain 10D	ATP synthase CF1 beta subunit
RL00aef36f	51209972	YP_063636.1	<i>Gracilaria tenuistipitata</i> var. <i>liui</i>	ATP synthase CF1 beta subunit
RL00aef36f	71842251	YP_277339.1	<i>Emiliana huxleyi</i>	ATP synthase CF1 beta subunit
RL00aef36f	90994450	YP_536940.1	<i>Porphyra yezoensis</i>	ATP synthase CF1 beta subunit
RL00aef36f	118411012	YP_874407.1	<i>Phaeodactylum tricornutum</i>	ATP synthase CF1 beta chain
RL00aef36f	118411134	YP_874528.1	<i>Thalassiosira pseudonana</i>	ATP synthase CF1 beta chain

RL00aef36f	149071996	YP_001293559.1	Rhodomonas salina	ATP synthase subunit B
RL00aef36f	189095386	YP_001936399.1	Heterosigma akashiwo	ATP synthase CF1 beta subunit
RL00aef36f	215400698	YP_002327459.1	Vaucheria litorea	ATP synthase CF1 subunit b
RL00aef36f	242620112	YP_003002116.1	Aureococcus anophagefferens	ATP synthase CF1 beta chain
RL00aef36f	242624355	YP_003002273.1	Aureoumbra lagunensis	ATP synthase CF1 beta chain
RL00aef36f	269101119	YP_003289267.1	Ectocarpus siliculosus	ATP synthase CF1, subunit beta
RL00aef36f	283794888	YP_003359241.1	Cryptomonas paramecium	ATP synthase CF1 beta subunit
RL00aef36f	299830346	YP_003734561.1	Kryptoperidinium foliaceum	ATP synthase CF1 beta subunit
RL00aef36f	299830551	YP_003734999.1	Durinskia baltica	ATP synthase CF1 beta subunit
RL00aef36f	301500846	YP_003795258.1	Chromera velia	ATP synthase CF1 beta subunit
RL00aef36f	301500988	YP_003795453.1	Alveolata sp. CCMP3155	ATP synthase CF1 beta subunit
RL00aef36f	315320486	YP_004072542.1	Thalassiosira oceanica CCMP1005	ATP synthase CF1 subunit beta
RL00aef36f	330850821	YP_004376571.1	Fistulifera sp. JPCC DA0580	ATP synthase CF1 beta chain

RL00aef370	11465584	NP_045024.1	Cyanidium caldarium	photosystem I assembly protein Ycf3
RL00aef370	11465724	NP_053868.1	Porphyra purpurea	photosystem I assembly protein Ycf3
RL00aef370	11467562	NP_043708.1	Odontella sinensis	photosystem I assembly protein Ycf3
RL00aef370	11467695	NP_050747.1	Guillardia theta	photosystem I assembly protein Ycf3
RL00aef370	30468215	NP_849102.1	Cyanidioschyzon merolae strain 10D	photosystem I assembly protein Ycf3
RL00aef370	51209973	YP_063637.1	Gracilaria tenuistipitata var. liui	photosystem I assembly protein Ycf3
RL00aef370	71842285	YP_277373.1	Emiliana huxleyi	photosystem I assembly protein Ycf3
RL00aef370	90994449	YP_536939.1	Porphyra yezoensis	photosystem I assembly protein Ycf3
RL00aef370	118411013	YP_874408.1	Phaeodactylum tricorutum	photosystem I assembly protein ycf3
RL00aef370	118411133	YP_874527.1	Thalassiosira pseudonana	photosystem I assembly protein ycf3
RL00aef370	149071995	YP_001293558.1	Rhodomonas salina	photosystem I assembly protein ycf1
RL00aef370	189095363	YP_001936376.1	Heterosigma akashiwo	photosystem I assembly protein Ycf3
RL00aef370	215400693	YP_002327458.1	Vaucheria litorea	hypothetical protein YCF3
RL00aef370	242620111	YP_003002115.1	Aureococcus anophagefferens	photosystem I assembly protein Ycf3
RL00aef370	242624336	YP_003002254.1	Aureoumbra lagunensis	photosystem I assembly protein Ycf3
RL00aef370	269101120	YP_003289268.1	Ectocarpus siliculosus	Photosystem I assembly protein ycf3
RL00aef370	299830347	YP_003734562.1	Kryptoperidinium foliaceum	photosystem I assembly protein Ycf3
RL00aef370	299830552	YP_003735000.1	Durinskia baltica	photosystem I assembly protein ycf3
RL00aef370	301500931	YP_003795396.1	Alveolata sp. CCMP3155	photosystem I assembly protein Ycf3
RL00aef370	315320485	YP_004072541.1	Thalassiosira oceanica CCMP1005	photosystem I assembly protein Ycf3
RL00aef370	330850820	YP_004376570.1	Fistulifera sp. JPCC DA0580	photosystem I assembly protein ycf3

RL00aef371	11465585	NP_045023.1	Cyanidium caldarium	hypothetical protein CycaCp005
RL00aef371	11467505	NP_043651.1	Odontella sinensis	ORF29a
RL00aef371	71842228	YP_277316.1	Emiliana huxleyi	hypothetical protein EmhuCp008

RL00aef373	11465587	NP_045021.1	Cyanidium caldarium	hypothetical protein CycaCp003
RL00aef373	11465819	NP_053963.1	Porphyra purpurea	ORF19
RL00aef373	11467623	NP_050675.1	Guillardia theta	hypothetical chloroplast RF19

RL00aef373	30468117	NP_849004.1	Cyanidioschyzon merolae strain 10D	ORF90
RL00aef373	51209881	YP_063545.1	Gracilaria tenuistipitata var. liui	conserved hypothetical plastid protein
RL00aef373	71842237	YP_277325.1	Emiliana huxleyi	hypothetical chloroplast RF19
RL00aef373	90994544	YP_537034.1	Porphyra yezoensis	hypothetical chloroplast protein 19
RL00aef373	149072101	YP_001293489.1	Rhodomonas salina	hypothetical plastid protein 19
RL00aef373	215400721	YP_002327482.1	Vaucheria litorea	hypothetical protein RF19
RL00aef373	242620073	YP_003002077.1	Aureococcus anophagefferens	hypothetical protein AuanCp058
RL00aef373	242624299	YP_003002217.1	Aureoumbra lagunensis	hypothetical protein AulaCp041
RL00aef373	269101008	YP_003289156.1	Ectocarpus siliculosus	Chloroplast conserved hypothetical protein
RL00aef373	283794939	YP_003359292.1	Cryptomonas paramecium	hypothetical chloroplast RF19
RL00aef375	11465589	NP_045019.1	Cyanidium caldarium	photosystem II protein D2
RL00aef375	11465823	NP_053967.1	Porphyra purpurea	photosystem II protein D2
RL00aef375	11467543	NP_043689.1	Odontella sinensis	photosystem II protein D2
RL00aef375	11467626	NP_050678.1	Guillardia theta	photosystem II protein D2
RL00aef375	30468115	NP_849002.1	Cyanidioschyzon merolae strain 10D	photosystem II protein D2
RL00aef375	51209878	YP_063542.1	Gracilaria tenuistipitata var. liui	photosystem II protein D2
RL00aef375	71842284	YP_277372.1	Emiliana huxleyi	photosystem II protein D2
RL00aef375	90994548	YP_537038.1	Porphyra yezoensis	Photosystem II D2 protein
RL00aef375	118410982	YP_874377.1	Phaeodactylum tricornutum	photosystem II reaction center protein D2
RL00aef375	118411148	YP_874542.1	Thalassiosira pseudonana	photosystem II reaction center protein D2
RL00aef375	149072099	YP_001293492.1	Rhodomonas salina	photosystem II protein D2
RL00aef375	189095300	YP_001936313.1	Heterosigma akashiwo	photosystem II protein D2
RL00aef375	189095344	YP_001936357.1	Heterosigma akashiwo	photosystem II protein D2
RL00aef375	215400718	YP_002327479.1	Vaucheria litorea	PSII D2 reaction center protein
RL00aef375	242620041	YP_003002045.1	Aureococcus anophagefferens	photosystem II D2 protein
RL00aef375	242624266	YP_003002184.1	Aureoumbra lagunensis	photosystem II D2 protein
RL00aef375	269100999	YP_003289147.1	Ectocarpus siliculosus	Photosystem II D2 protein
RL00aef375	299830316	YP_003734531.1	Kryptoperidinium foliaceum	photosystem II protein D2
RL00aef375	299830522	YP_003734969.1	Durinskia baltica	photosystem II reaction center protein D2
RL00aef375	301500863	YP_003795275.1	Chromera velia	photosystem II protein D2
RL00aef375	301500994	YP_003795459.1	Alveolata sp. CCMP3155	photosystem II protein D2
RL00aef375	301500999	YP_003795464.1	Alveolata sp. CCMP3155	photosystem II protein D2
RL00aef375	315320506	YP_004072562.1	Thalassiosira oceanica CCMP1005	photosystem II D2 protein
RL00aef375	330850926	YP_004376676.1	Fistulifera sp. JPCC DA0580	photosystem II reaction center protein D2
RL00aef376	11465590	NP_045069.1	Cyanidium caldarium	hypothetical protein CycaCp052
RL00aef376	11465680	NP_053824.1	Porphyra purpurea	ORF20
RL00aef376	11467646	NP_050698.1	Guillardia theta	hypothetical chloroplast RF20
RL00aef376	30468085	NP_848972.1	Cyanidioschyzon merolae strain 10D	ORF73
RL00aef376	51210016	YP_063680.1	Gracilaria tenuistipitata var. liui	conserved hypothetical plastid protein
RL00aef376	71842309	YP_277397.1	Emiliana huxleyi	hypothetical chloroplast RF20
RL00aef376	90994406	YP_536896.1	Porphyra yezoensis	hypothetical chloroplast protein 20

RL00aef376	283794933	YP_003359286.1	Cryptomonas paramecium	hypothetical chloroplast RF20
RL00aef3b5	11465653	NP_053797.1	Porphyra purpurea	photochlorophyllide reductase subunit L
RL00aef3b5	90994378	YP_536868.1	Porphyra yezoensis	photochlorophyllide reductase subunit L
RL00aef3b5	215400786	YP_002327547.1	Vaucheria litorea	ATP-binding subunit of protochlorophyllide reductase subunit
RL00aef3b5	242624321	YP_003002239.1	Aureoumbra lagunensis	photochlorophyllide reductase subunit L
RL00aef3b5	269101111	YP_003289259.1	Ectocarpus siliculosus	Light-independent protochlorophyllide reductase subunit L
RL00aef3b5	301500992	YP_003795457.1	Alveolata sp. CCMP3155	photochlorophyllide reductase subunit L
RL00aef3b5	301501001	YP_003795466.1	Alveolata sp. CCMP3155	photochlorophyllide reductase subunit L
RL00aef3b6	11465654	NP_053798.1	Porphyra purpurea	photochlorophyllide reductase subunit N
RL00aef3b6	90994379	YP_536869.1	Porphyra yezoensis	photochlorophyllide reductase subunit N
RL00aef3b6	215400785	YP_002327546.1	Vaucheria litorea	prochlorophyllide reductase chlN chain
RL00aef3b6	242624322	YP_003002240.1	Aureoumbra lagunensis	photochlorophyllide reductase subunit N
RL00aef3b6	269101112	YP_003289260.1	Ectocarpus siliculosus	Light-independent protochlorophyllide reductase subunit N
RL00aef3b6	301500991	YP_003795456.1	Alveolata sp. CCMP3155	photochlorophyllide reductase subunit N
RL00aef3b6	301501002	YP_003795467.1	Alveolata sp. CCMP3155	photochlorophyllide reductase subunit N
RL00aef3b7	11465655	NP_053799.1	Porphyra purpurea	Ycf46
RL00aef3b7	11467481	NP_043627.1	Odontella sinensis	ORF497
RL00aef3b7	11467638	NP_050690.1	Guillardia theta	Ycf46
RL00aef3b7	51209844	YP_063508.1	Gracilaria tenuistipitata var. liui	Ycf46
RL00aef3b7	71842235	YP_277323.1	Emiliana huxleyi	hypothetical protein EmhuCp015
RL00aef3b7	90994380	YP_536870.1	Porphyra yezoensis	Ycf46
RL00aef3b7	118411047	YP_874442.1	Phaeodactylum tricorutum	hypothetical protein PhtrCp085
RL00aef3b7	118411178	YP_874572.1	Thalassiosira pseudonana	hypothetical protein ThpsCp083
RL00aef3b7	118411228	YP_874622.1	Thalassiosira pseudonana	hypothetical protein ThpsCp133
RL00aef3b7	149072092	YP_001293503.1	Rhodomonas salina	hypothetical plastid protein 46
RL00aef3b7	189095404	YP_001936417.1	Heterosigma akashiwo	Ycf46
RL00aef3b7	242620102	YP_003002106.1	Aureococcus anophagefferens	ATPase AAA family
RL00aef3b7	242624328	YP_003002246.1	Aureoumbra lagunensis	ATPase AAA family
RL00aef3b7	269101086	YP_003289234.1	Ectocarpus siliculosus	Chloroplast conserved hypothetical protein
RL00aef3b7	299830422	YP_003734637.1	Kryptoperidinium foliaceum	hypothetical protein KrfoC_p127
RL00aef3b7	299830587	YP_003735035.1	Durinskia baltica	hypothetical protein PyulOm_p086
RL00aef3b7	315320553	YP_004072610.1	Thalassiosira oceanica CCMP1005	putative Ycf46
RL00aef3b7	315320596	YP_004072653.1	Thalassiosira oceanica CCMP1005	putative Ycf46
RL00aef3b7	330850897	YP_004376647.1	Fistulifera sp. JPCP DA0580	hypothetical protein FispC_p082
RL00aef3b9	11465657	NP_053801.1	Porphyra purpurea	ORF37
RL00aef3b9	11467663	NP_050715.1	Guillardia theta	hypothetical chloroplast RF37
RL00aef3b9	51209846	YP_063510.1	Gracilaria tenuistipitata var. liui	conserved hypothetical plastid protein
RL00aef3b9	90994382	YP_536872.1	Porphyra yezoensis	hypothetical chloroplast protein 37
RL00aef3b9	149072077	YP_001293527.1	Rhodomonas salina	conserved hypothetical protein 37

RL00aef3b9	215400781	YP_002327542.1	Vaucheria litorea	PSI assembly related protein
RL00aef3b9	242620023	YP_003002027.1	Aureococcus anophagefferens	conserved hypothetical plastid protein Ycf37
RL00aef3b9	242624359	YP_003002277.1	Aureoumbra lagunensis	conserved hypothetical plastid protein Ycf37
RL00aef3b9	269101107	YP_003289255.1	Ectocarpus siliculosus	Chloroplast conserved hypothetical protein
RL00aef3ba	11465658	NP_053802.1	Porphyra purpurea	hypothetical protein PopuCp007
RL00aef3ba	30468216	NP_849103.1	Cyanidioschyzon merolae strain 10D	GNAT family acetyltransferase
RL00aef3ba	51209847	YP_063511.1	Gracilaria tenuistipitata var. liui	conserved hypothetical plastid protein
RL00aef3ba	90994383	YP_536873.1	Porphyra yezoensis	hypothetical protein 174
RL00aef3be	11465662	NP_053806.1	Porphyra purpurea	3-oxoacyl-acyl-carrier-protein synthase 3
RL00aef3be	51209851	YP_063515.1	Gracilaria tenuistipitata var. liui	3-oxoacyl-acyl-carrier-protein synthase 3
RL00aef3be	90994387	YP_536877.1	Porphyra yezoensis	3-oxoacyl-acyl-carrier-protein synthase 3
RL00aef3bf	11465663	NP_053807.1	Porphyra purpurea	photosystem II protein X
RL00aef3bf	11467552	NP_043698.1	Odontella sinensis	photosystem II protein X
RL00aef3bf	11467660	NP_050712.1	Guillardia theta	photosystem II protein X
RL00aef3bf	30468221	NP_849108.1	Cyanidioschyzon merolae strain 10D	photosystem II protein X
RL00aef3bf	51209852	YP_063516.1	Gracilaria tenuistipitata var. liui	photosystem II protein X
RL00aef3bf	71842241	YP_277329.1	Emiliania huxleyi	hypothetical protein EmhuCp021
RL00aef3bf	90994388	YP_536878.1	Porphyra yezoensis	photosystem II protein X
RL00aef3bf	118411004	YP_874399.1	Phaeodactylum tricornutum	photosystem II protein X
RL00aef3bf	118411102	YP_874496.1	Thalassiosira pseudonana	photosystem II protein X
RL00aef3bf	149072080	YP_001293524.1	Rhodomonas salina	photosystem II protein X
RL00aef3bf	189095399	YP_001936412.1	Heterosigma akashiwo	photosystem II protein X
RL00aef3bf	215400797	YP_002327558.1	Vaucheria litorea	PSII X protein
RL00aef3bf	242620074	YP_003002078.1	Aureococcus anophagefferens	photosystem II protein X
RL00aef3bf	242624300	YP_003002218.1	Aureoumbra lagunensis	photosystem II protein X
RL00aef3bf	269101074	YP_003289222.1	Ectocarpus siliculosus	Photosystem II reaction center protein X
RL00aef3bf	299830338	YP_003734553.1	Kryptoperidinium foliaceum	photosystem II protein X
RL00aef3bf	299830543	YP_003734991.1	Durinskia baltica	photosystem II protein X
RL00aef3bf	315320516	YP_004072572.1	Thalassiosira oceanica CCMP1005	photosystem II reaction center protein X
RL00aef3bf	330850829	YP_004376579.1	Fistulifera sp. JPCC DA0580	photosystem II protein X
RL00aef3ca	11465674	NP_053818.1	Porphyra purpurea	hypothetical protein PopuCp023
RL00aef3ca	51209863	YP_063527.1	Gracilaria tenuistipitata var. liui	conserved hypothetical plastid protein
RL00aef3ca	90994399	YP_536889.1	Porphyra yezoensis	hypothetical protein 263
RL00aef3cd	11465677	NP_053821.1	Porphyra purpurea	ribonuclease E
RL00aef3cd	11467658	NP_050710.1	Guillardia theta	ribonuclease E
RL00aef3cd	51209866	YP_063530.1	Gracilaria tenuistipitata var. liui	ribonuclease E
RL00aef3cd	90994402	YP_536892.1	Porphyra yezoensis	RNase E
RL00aef3cd	149072082	YP_001293522.1	Rhodomonas salina	ribonuclease E

RL00aef3cf	11465679	NP_053823.1	Porphyra purpurea	Ycf35
RL00aef3cf	11467478	NP_043624.1	Odontella sinensis	ORF128
RL00aef3cf	11467637	NP_050689.1	Guillardia theta	Ycf35
RL00aef3cf	51209868	YP_063532.1	Gracilaria tenuistipitata var. liui	Ycf35
RL00aef3cf	71842245	YP_277333.1	Emiliana huxleyi	hypothetical chloroplast RF35
RL00aef3cf	90994405	YP_536895.1	Porphyra yezoensis	Ycf35
RL00aef3cf	118411050	YP_874445.1	Phaeodactylum tricornutum	hypothetical protein PhtrCp088
RL00aef3cf	118411181	YP_874575.1	Thalassiosira pseudonana	hypothetical protein ThpsCp086
RL00aef3cf	118411225	YP_874619.1	Thalassiosira pseudonana	hypothetical protein ThpsCp130
RL00aef3cf	149072093	YP_001293502.1	Rhodomonas salina	hypothetical plastid protein 35
RL00aef3cf	189095291	YP_001936304.1	Heterosigma akashiwo	Ycf35
RL00aef3cf	189095353	YP_001936366.1	Heterosigma akashiwo	Ycf35
RL00aef3cf	242620024	YP_003002028.1	Aureococcus anophagefferens	conserved hypothetical plastid protein Ycf35
RL00aef3cf	242624360	YP_003002278.1	Aureoumbra lagunensis	conserved hypothetical plastid protein Ycf35
RL00aef3cf	269101012	YP_003289160.1	Ectocarpus siliculosus	Chloroplast conserved hypothetical protein
RL00aef3cf	299830418	YP_003734633.1	Kryptoperidinium foliaceum	hypothetical protein KrfoC_p123
RL00aef3cf	299830590	YP_003735038.1	Durinskia baltica	hypothetical protein PyulOm_p089
RL00aef3cf	315320554	YP_004072611.1	Thalassiosira oceanica CCMP1005	putative Ycf35
RL00aef3cf	315320595	YP_004072652.1	Thalassiosira oceanica CCMP1005	putative Ycf35
RL00aef3cf	330850894	YP_004376644.1	Fistulifera sp. JPCC DA0580	hypothetical protein FispC_p079
RL00aef3d2	11465682	NP_053826.1	Porphyra purpurea	hypothetical protein PopuCp031
RL00aef3d2	90994408	YP_536898.1	Porphyra yezoensis	hypothetical protein 121
RL00aef3d3	11465683	NP_053827.1	Porphyra purpurea	hypothetical protein PopuCp032
RL00aef3d3	90994409	YP_536899.1	Porphyra yezoensis	hypothetical protein 114
RL00aef3d7	11465687	NP_053831.1	Porphyra purpurea	ORF7
RL00aef3d7	11467530	NP_043676.1	Odontella sinensis	ORF31
RL00aef3d7	11467673	NP_050725.1	Guillardia theta	cytochrome b6/f complex subunit VI
RL00aef3d7	30468247	NP_849134.1	Cyanidioschyzon merolae strain 10D	cytochrome b6/f complex subunit VI
RL00aef3d7	71842269	YP_277357.1	Emiliana huxleyi	cytochrome b6/f complex subunit VI
RL00aef3d7	90994412	YP_536902.1	Porphyra yezoensis	hypothetical chloroplast protein 7
RL00aef3d7	118410972	YP_874367.1	Phaeodactylum tricornutum	cytochrome b6-f complex subunit VI
RL00aef3d7	118411162	YP_874556.1	Thalassiosira pseudonana	cytochrome b6-f complex subunit VI
RL00aef3d7	149072070	YP_001293536.1	Rhodomonas salina	cytochrome b6-f complex subunit VI
RL00aef3d7	189095381	YP_001936394.1	Heterosigma akashiwo	cytochrome b6-f complex subunit VI
RL00aef3d7	215400799	YP_002327560.1	Vaucheria litorea	cytochrome b6/f complex subunit VI
RL00aef3d7	242620017	YP_003002021.1	Aureococcus anophagefferens	cytochrome b6-f complex subunit VI
RL00aef3d7	242624363	YP_003002281.1	Aureoumbra lagunensis	cytochrome b6-f complex subunit VI
RL00aef3d7	269101130	YP_003289278.1	Ectocarpus siliculosus	cytochrome b6f complex subunit 6
RL00aef3d7	299830302	YP_003734517.1	Kryptoperidinium foliaceum	cytochrome b6/f complex subunit VI

RL00aef3d7	299830513	YP_003734959.1	<i>Durinskia baltica</i>	cytochrome b6-f complex subunit VI
RL00aef3d7	315320495	YP_004072551.1	<i>Thalassiosira oceanica</i> CCMP1005	cytochrome b6-f complex subunit VI
RL00aef3d7	330850916	YP_004376666.1	<i>Fistulifera</i> sp. JPCC DA0580	cytochrome b6-f complex subunit VI
RL00aef3d9	11465689	NP_053833.1	<i>Porphyra purpurea</i>	hypothetical protein PopuCp038
RL00aef3d9	51210003	YP_063667.1	<i>Gracilaria tenuistipitata</i> var. <i>liui</i>	conserved hypothetical plastid protein
RL00aef3d9	90994414	YP_536904.1	<i>Porphyra yezoensis</i>	hypothetical protein 58
RL00aef3da	11465690	NP_053834.1	<i>Porphyra purpurea</i>	ribosomal protein L28
RL00aef3da	30468056	NP_848943.1	<i>Cyanidioschyzon merolae</i> strain 10D	ribosomal protein L28
RL00aef3da	51210004	YP_063668.1	<i>Gracilaria tenuistipitata</i> var. <i>liui</i>	ribosomal protein L28
RL00aef3da	90994415	YP_536905.1	<i>Porphyra yezoensis</i>	ribosomal protein L28
RL00aef3dd	11465693	NP_053837.1	<i>Porphyra purpurea</i>	ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit
RL00aef3dd	11467654	NP_050706.1	<i>Guillardia theta</i>	ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit
RL00aef3dd	12751547	NP_043653.2	<i>Odontella sinensis</i>	ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit
RL00aef3dd	30468059	NP_848946.1	<i>Cyanidioschyzon merolae</i> strain 10D	ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit
RL00aef3dd	51210007	YP_063671.1	<i>Gracilaria tenuistipitata</i> var. <i>liui</i>	ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit
RL00aef3dd	71842226	YP_277314.1	<i>Emiliania huxleyi</i>	ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit
RL00aef3dd	90994418	YP_536908.1	<i>Porphyra yezoensis</i>	ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit
RL00aef3dd	118411022	YP_874417.1	<i>Phaeodactylum tricornutum</i>	ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit
RL00aef3dd	118411103	YP_874497.1	<i>Thalassiosira pseudonana</i>	ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit
RL00aef3dd	126165876	NP_045135.2	<i>Cyanidium caldarium</i>	ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit
RL00aef3dd	149071986	YP_001293519.1	<i>Rhodomonas salina</i>	ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit
RL00aef3dd	189095296	YP_001936309.1	<i>Heterosigma akashiwo</i>	ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit
RL00aef3dd	189095348	YP_001936361.1	<i>Heterosigma akashiwo</i>	ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit
RL00aef3dd	215400782	YP_002327543.1	<i>Vaucheria litorea</i>	ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit
RL00aef3dd	242620087	YP_003002091.1	<i>Aureococcus anophagefferens</i>	ribulose bisphosphate carboxylase small chain
RL00aef3dd	242624314	YP_003002232.1	<i>Aureoumbra lagunensis</i>	ribulose bisphosphate carboxylase small chain
RL00aef3dd	269101142	YP_003289290.1	<i>Ectocarpus siliculosus</i>	Ribulose bisphosphate carboxylase small subunit
RL00aef3dd	283794868	YP_003359221.1	<i>Cryptomonas paramecium</i>	ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit
RL00aef3dd	299830357	YP_003734572.1	<i>Kryptoperidinium foliaceum</i>	ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit
RL00aef3dd	299830560	YP_003735008.1	<i>Durinskia baltica</i>	ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit
RL00aef3dd	315320528	YP_004072584.1	<i>Thalassiosira oceanica</i> CCMP1005	ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit
RL00aef3dd	330850937	YP_004376687.1	<i>Fistulifera</i> sp. JPCC DA0580	ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit
RL00aef3df	11465695	NP_053839.1	<i>Porphyra purpurea</i>	ORF34
RL00aef3df	51210009	YP_063673.1	<i>Gracilaria tenuistipitata</i> var. <i>liui</i>	conserved hypothetical plastid protein
RL00aef3df	90994420	YP_536910.1	<i>Porphyra yezoensis</i>	hypothetical chloroplast protein 34
RL00aef3df	189095313	YP_001936326.1	<i>Heterosigma akashiwo</i>	conserved hypothetical plastid protein Ycf34
RL00aef3df	269101126	YP_003289274.1	<i>Ectocarpus siliculosus</i>	Chloroplast conserved hypothetical protein
RL00aef3e3	11465699	NP_053843.1	<i>Porphyra purpurea</i>	hypothetical protein PopuCp048

RL00aef3e3	71025982	XP_762696.1	Theileria parva strain Muguga	hypothetical protein
RL00aef3e3	90994424	YP_536914.1	Porphyra yezoensis	hypothetical protein 62
RL00aef3e4	11465700	NP_053844.1	Porphyra purpurea	hypothetical protein PopuCp049
RL00aef3e4	90994425	YP_536915.1	Porphyra yezoensis	hypothetical protein 621
RL00aef3e4	301088586	NP_852645.2	Eimeria tenella strain Penn State	RNA polymerase beta" chain
RL00aef3e7	11465703	NP_053847.1	Porphyra purpurea	hypothetical protein PopuCp052
RL00aef3e7	11467526	NP_043672.1	Odontella sinensis	ORF113
RL00aef3e7	51209993	YP_063657.1	Gracilaria tenuistipitata var. liui	hypothetical plastid protein
RL00aef3e7	90994428	YP_536918.1	Porphyra yezoensis	hypothetical protein 111
RL00aef3e7	118410968	YP_874363.1	Phaeodactylum tricornutum	hypothetical protein PhtrCp006
RL00aef3e7	118411166	YP_874560.1	Thalassiosira pseudonana	hypothetical protein ThpsCp071
RL00aef3e7	189095373	YP_001936386.1	Heterosigma akashiwo	putative single-stranded DNA binding protein
RL00aef3e7	215400820	YP_002327581.1	Vaucheria litorea	hypothetical protein YCF41
RL00aef3e7	269101001	YP_003289149.1	Ectocarpus siliculosus	Chloroplast conserved hypothetical protein
RL00aef3e7	299830306	YP_003734521.1	Kryptoperidinium foliaceum	hypothetical protein KrfoC_p011
RL00aef3e7	299830509	YP_003734955.1	Durinskia baltica	hypothetical protein PyulOm_p006
RL00aef3e7	315320491	YP_004072547.1	Thalassiosira oceanica CCMP1005	putative Ycf41
RL00aef3e7	330850912	YP_004376662.1	Fistulifera sp. JPCC DA0580	hypothetical protein FispC_p097
RL00aef3e9	11465705	NP_053849.1	Porphyra purpurea	hypothetical protein PopuCp054
RL00aef3e9	90994430	YP_536920.1	Porphyra yezoensis	hypothetical protein 287
RL00aef3f7	11465719	NP_053863.1	Porphyra purpurea	ribosomal protein S20
RL00aef3f7	11467565	NP_043711.1	Odontella sinensis	ribosomal protein S20
RL00aef3f7	11467691	NP_050743.1	Guillardia theta	ribosomal protein S20
RL00aef3f7	30468228	NP_849115.1	Cyanidioschyzon merolae strain 10D	ribosomal protein S20
RL00aef3f7	51209977	YP_063641.1	Gracilaria tenuistipitata var. liui	ribosomal protein S20
RL00aef3f7	90994444	YP_536934.1	Porphyra yezoensis	ribosomal protein S20
RL00aef3f7	118411016	YP_874411.1	Phaeodactylum tricornutum	30S ribosomal protein S20
RL00aef3f7	118411130	YP_874524.1	Thalassiosira pseudonana	30S ribosomal protein S20
RL00aef3f7	149072055	YP_001293554.1	Rhodomonas salina	30S ribosomal protein s20
RL00aef3f7	189095360	YP_001936373.1	Heterosigma akashiwo	ribosomal protein S20
RL00aef3f7	215400715	YP_002327476.1	Vaucheria litorea	ribosomal protein S20
RL00aef3f7	269101091	YP_003289239.1	Ectocarpus siliculosus	30S ribosomal protein S20
RL00aef3f7	283794884	YP_003359237.1	Cryptomonas paramecium	ribosomal protein S20
RL00aef3f7	299830350	YP_003734565.1	Kryptoperidinium foliaceum	ribosomal protein S20
RL00aef3f7	299830555	YP_003735003.1	Durinskia baltica	30S ribosomal protein S20
RL00aef3f7	315320482	YP_004072538.1	Thalassiosira oceanica CCMP1005	30S ribosomal protein S20
RL00aef3f7	330850817	YP_004376567.1	Fistulifera sp. JPCC DA0580	30S ribosomal protein S20
RL00aef3fb	11465723	NP_053867.1	Porphyra purpurea	translation initiation factor 2

RL00aef3fb	11467694	NP_050746.1	Guillardia theta	translation initiation factor 2
RL00aef3fb	51209974	YP_063638.1	Gracilaria tenuistipitata var. liui	translation initiation factor 2
RL00aef3fb	90994448	YP_536938.1	Porphyra yezoensis	translation initiation factor 2
RL00aef3fb	149072054	YP_001293557.1	Rhodomonas salina	translation initiation factor 2
RL00aef3fb	283794887	YP_003359240.1	Cryptomonas paramecium	translation initiation factor 2
RL00aef409	11465737	NP_053881.1	Porphyra purpurea	heme oxygenase
RL00aef409	11467702	NP_050754.1	Guillardia theta	heme oxygenase
RL00aef409	51209960	YP_063624.1	Gracilaria tenuistipitata var. liui	heme oxygenase
RL00aef409	90994463	YP_536953.1	Porphyra yezoensis	heme oxygenase
RL00aef409	149072051	YP_001293565.1	Rhodomonas salina	heme oxygenase
RL00aef409	283794893	YP_003359246.1	Cryptomonas paramecium	heme oxygenase
RL00aef40a	11465738	NP_053882.1	Porphyra purpurea	hypothetical protein PopuCp087
RL00aef40a	11467494	NP_043640.1	Odontella sinensis	ORF204
RL00aef40a	51209959	YP_063623.1	Gracilaria tenuistipitata var. liui	thiol-specific antioxidant protein
RL00aef40a	90994464	YP_536954.1	Porphyra yezoensis	hypothetical protein 199
RL00aef40a	118411034	YP_874429.1	Phaeodactylum tricornutum	putative peroxiredoxin ycf42
RL00aef40a	118411118	YP_874512.1	Thalassiosira pseudonana	putative peroxiredoxin ycf42
RL00aef40a	189095339	YP_001936352.1	Heterosigma akashiwo	thioredoxin-peroxidase
RL00aef40a	215400777	YP_002327538.1	Vaucheria litorea	thiol-specific antioxidant protein
RL00aef40a	269101066	YP_003289214.1	Ectocarpus siliculosus	Putative peroxiredoxin ycf42
RL00aef40a	315320524	YP_004072580.1	Thalassiosira oceanica CCMP1005	putative peroxiredoxin Ycf42
RL00aef40b	11465739	NP_053883.1	Porphyra purpurea	ORF36
RL00aef40b	11467706	NP_050758.1	Guillardia theta	hypothetical chloroplast RF36
RL00aef40b	30468212	NP_849099.1	Cyanidioschyzon merolae strain 10D	ORF163
RL00aef40b	51209958	YP_063622.1	Gracilaria tenuistipitata var. liui	conserved hypothetical plastid protein
RL00aef40b	90994465	YP_536955.1	Porphyra yezoensis	hypothetical chloroplast protein 36
RL00aef40b	149072003	YP_001293569.1	Rhodomonas salina	hypothetical plastid protein 36
RL00aef40b	189095335	YP_001936348.1	Heterosigma akashiwo	conserved hypothetical plastid protein Ycf36
RL00aef40b	215400815	YP_002327576.1	Vaucheria litorea	hypothetical protein YCF36
RL00aef40b	301500872	YP_003795284.1	Chromera velia	cytochrome c biogenesis protein
RL00aef410	11465744	NP_053888.1	Porphyra purpurea	photochlorophyllide reductase subunit B
RL00aef410	90994470	YP_536960.1	Porphyra yezoensis	photochlorophyllide reductase subunit B
RL00aef410	215400703	YP_002327464.1	Vaucheria litorea	ChlB subunit of protochlorophyllide reductase
RL00aef410	242624323	YP_003002241.1	Aureoumbra lagunensis	photochlorophyllide reductase subunit B
RL00aef410	269101089	YP_003289237.1	Ectocarpus siliculosus	Light-independent protochlorophyllide reductase subunit B
RL00aef410	301500945	YP_003795410.1	Alveolata sp. CCMP3155	photochlorophyllide reductase subunit B
RL00aef43b	11465787	NP_053931.1	Porphyra purpurea	ORF38
RL00aef43b	51209913	YP_063577.1	Gracilaria tenuistipitata var. liui	ABC transporter

RL00aef43b	90994513	YP_537003.1	Porphyra yezoensis	hypothetical chloroplast protein 38
RL00aef443	11465795	NP_053939.1	Porphyra purpurea	ORF33
RL00aef443	11467504	NP_043650.1	Odontella sinensis	ORF64
RL00aef443	11467753	NP_050805.1	Guillardia theta	hypothetical chloroplast RF33
RL00aef443	51209905	YP_063569.1	Gracilaria tenuistipitata var. liui	conserved hypothetical plastid protein
RL00aef443	71025991	XP_762700.1	Theileria parva strain Muguga	hypothetical protein
RL00aef443	90994521	YP_537011.1	Porphyra yezoensis	hypothetical chloroplast protein 33
RL00aef443	118410986	YP_874381.1	Phaeodactylum tricornutum	hypothetical protein PhtrCp024
RL00aef443	118411142	YP_874536.1	Thalassiosira pseudonana	hypothetical protein ThpsCp047
RL00aef443	149071966	YP_001293617.1	Rhodomonas salina	hypothetical plastid protein 33
RL00aef443	189095370	YP_001936383.1	Heterosigma akashiwo	conserved hypothetical plastid protein Ycf33
RL00aef443	215400727	YP_002327488.1	Vaucheria litorea	hypothetical protein RF33
RL00aef443	242620076	YP_003002080.1	Aureococcus anophagefferens	conserved hypothetical plastid protein Ycf33
RL00aef443	242624302	YP_003002220.1	Aureoumbra lagunensis	conserved hypothetical plastid protein Ycf33
RL00aef443	269101003	YP_003289151.1	Ectocarpus siliculosus	Chloroplast conserved hypothetical protein
RL00aef443	299830320	YP_003734535.1	Kryptoperidinium foliaceum	hypothetical protein KrfoC_p025
RL00aef443	299830526	YP_003734973.1	Durinskia baltica	hypothetical protein PyulOm_p024
RL00aef443	315320515	YP_004072571.1	Thalassiosira oceanica CCMP1005	putative Ycf33
RL00aef443	330850930	YP_004376680.1	Fistulifera sp. JPCC DA0580	hypothetical protein FispC_p115
RL00aef448	11465800	NP_053944.1	Porphyra purpurea	ribosomal protein L9
RL00aef448	51209887	YP_063551.1	Gracilaria tenuistipitata var. liui	ribosomal protein L9
RL00aef448	90994526	YP_537016.1	Porphyra yezoensis	ribosomal protein L9
RL00aef448	215400732	YP_002327493.1	Vaucheria litorea	ribosomal protein L9
RL00aef448	269101017	YP_003289165.1	Ectocarpus siliculosus	50S ribosomal protein L9
RL00aef453	11465811	NP_053955.1	Porphyra purpurea	ribosomal protein S1
RL00aef453	51209897	YP_063561.1	Gracilaria tenuistipitata var. liui	30S ribosomal protein S1
RL00aef453	90994536	YP_537026.1	Porphyra yezoensis	30S ribosomal protein S1
RL00aef453	189095324	YP_001936337.1	Heterosigma akashiwo	30S ribosomal protein S1
RL00aef453	215400730	YP_002327491.1	Vaucheria litorea	ribosomal protein S1
RL00aef453	269101014	YP_003289162.1	Ectocarpus siliculosus	30S ribosomal protein S1
RL00aef456	11465814	NP_053958.1	Porphyra purpurea	histidine-tRNA synthetase
RL00aef456	51209886	YP_063550.1	Gracilaria tenuistipitata var. liui	histidine-tRNA synthetase
RL00aef456	90994539	YP_537029.1	Porphyra yezoensis	histidine-tRNA synthetase
RL00aef458	11465816	NP_053960.1	Porphyra purpurea	hypothetical protein PopuCp165
RL00aef458	71025945	XP_762679.1	Theileria parva strain Muguga	hypothetical protein
RL00aef458	90994541	YP_537031.1	Porphyra yezoensis	hypothetical protein 148
RL00aef458	209892896	YP_002290869.1	Babesia bovis T2Bo	hypothetical protein BBOV_V000390

RL00aef45c	11465820 NP_053964.1	Porphyra purpurea	hypothetical protein PopuCp169
RL00aef45c	51209880 YP_063544.1	Gracilaria tenuistipitata var. liui	uracil phosphoribosyltransferase
RL00aef45c	71026000 XP_762704.1	Theileria parva strain Muguga	hypothetical protein
RL00aef45c	90994545 YP_537035.1	Porphyra yezoensis	hypothetical protein 198
RL00aef466	11465830 NP_053974.1	Porphyra purpurea	hypothetical protein PopuCp179
RL00aef466	51209869 YP_063533.1	Gracilaria tenuistipitata var. liui	thiol:disulfide interchange protein
RL00aef466	90994555 YP_537045.1	Porphyra yezoensis	hypothetical protein 240
RL00aef469	11465833 NP_053977.1	Porphyra purpurea	phycoerythrin beta subunit
RL00aef469	11467645 NP_050697.1	Guillardia theta	phycoerythrin beta subunit
RL00aef469	51210019 YP_063683.1	Gracilaria tenuistipitata var. liui	phycoerythrin beta subunit
RL00aef469	90994558 YP_537048.1	Porphyra yezoensis	phycoerythrin beta subunit
RL00aef469	149072086 YP_001293510.1	Rhodomonas salina	phycoerythrin subunit B
RL00aef46a	11465834 NP_053978.1	Porphyra purpurea	phycoerythrin alpha subunit
RL00aef46a	51210020 YP_063684.1	Gracilaria tenuistipitata var. liui	phycoerythrin alpha subunit
RL00aef46a	90994559 YP_537049.1	Porphyra yezoensis	phycoerythrin alpha subunit
RL00aef46e	11465838 NP_053982.1	Porphyra purpurea	ORF22
RL00aef46e	30468093 NP_848980.1	Cyanidioschyzon merolae strain 10D	ORF193
RL00aef46e	51210024 YP_063688.1	Gracilaria tenuistipitata var. liui	conserved hypothetical plastid protein
RL00aef46e	90994563 YP_537053.1	Porphyra yezoensis	hypothetical chloroplast protein 22
RL00aef475	11465845 NP_053989.1	Porphyra purpurea	phosphoglycerate mutase
RL00aef475	51210031 YP_063695.1	Gracilaria tenuistipitata var. liui	phosphoglycerate mutase
RL00aef475	90994570 YP_537060.1	Porphyra yezoensis	phosphoglycerate mutase
RL00aef476	11465846 NP_053990.1	Porphyra purpurea	Ycf21
RL00aef476	51210032 YP_063696.1	Gracilaria tenuistipitata var. liui	conserved hypothetical plastid protein
RL00aef476	90994571 YP_537061.1	Porphyra yezoensis	hypothetical chloroplast protein 21
RL00aef47a	11465850 NP_053994.1	Porphyra purpurea	hypothetical protein PopuCp199
RL00aef47a	90994575 YP_537065.1	Porphyra yezoensis	hypothetical protein 107
RL00aef483	11465859 NP_054003.1	Porphyra purpurea	hypothetical protein PopuCp208
RL00aef483	30468225 NP_849112.1	Cyanidioschyzon merolae strain 10D	ORF251
RL00aef483	51210044 YP_063708.1	Gracilaria tenuistipitata var. liui	conserved hypothetical plastid protein
RL00aef483	90994584 YP_537074.1	Porphyra yezoensis	hypothetical protein 26
RL00aefaa9	11467433 NP_043579.1	Odontella sinensis	hypothetical protein OdsiCp001
RL00aefaa9	11467489 NP_043635.1	Odontella sinensis	ORF355
RL00aefaa9	118411039 YP_874434.1	Phaeodactylum tricornutum	hypothetical protein PhtrCp077

RL00aefaa9	118411094	YP_874489.1	Phaeodactylum tricornutum	hypothetical protein PhtrCp132
RL00aefaa9	118411170	YP_874564.1	Thalassiosira pseudonana	hypothetical protein ThpsCp075
RL00aefaa9	118411236	YP_874630.1	Thalassiosira pseudonana	hypothetical protein ThpsCp142
RL00aefaa9	299830312	YP_003734527.1	Kryptoperidinium foliaceum	hypothetical protein KrfoC_p017
RL00aefaa9	299830575	YP_003735023.1	Durinskia baltica	hypothetical protein PyulOm_p074
RL00aefaa9	299830630	YP_003735078.1	Durinskia baltica	hypothetical protein PyulOm_p129
RL00aefaa9	315320541	YP_004072598.1	Thalassiosira oceanica CCMP1005	putative Ycf89
RL00aefaa9	315320608	YP_004072665.1	Thalassiosira oceanica CCMP1005	putative protein Ycf89
RL00aefaa9	330850846	YP_004376596.1	Fistulifera sp. JPCC DA0580	hypothetical protein FispC_p031
RL00aefaa9	330850907	YP_004376657.1	Fistulifera sp. JPCC DA0580	hypothetical protein FispC_p092
RL00aefaca	11467466	NP_043612.1	Odontella sinensis	ORF148
RL00aefaca	118411063	YP_874458.1	Phaeodactylum tricornutum	hypothetical protein PhtrCp101
RL00aefaca	118411195	YP_874589.1	Thalassiosira pseudonana	hypothetical protein ThpsCp100
RL00aefaca	299830382	YP_003734597.1	Kryptoperidinium foliaceum	hypothetical protein KrfoC_p087
RL00aefaca	299830603	YP_003735051.1	Durinskia baltica	hypothetical protein PyulOm_p102
RL00aefaca	315320569	YP_004072626.1	Thalassiosira oceanica CCMP1005	putative Ycf88
RL00aefaca	330850879	YP_004376629.1	Fistulifera sp. JPCC DA0580	hypothetical protein FispC_p064
RL00aefaf2	11467506	NP_043652.1	Odontella sinensis	ORF41
RL00aefaf2	71842303	YP_277391.1	Emiliana huxleyi	hypothetical protein EmhuCp083
RL00aefb21	11467553	NP_043699.1	Odontella sinensis	ORF99
RL00aefb21	118411005	YP_874400.1	Phaeodactylum tricornutum	hypothetical protein PhtrCp043
RL00aefb21	118411101	YP_874495.1	Thalassiosira pseudonana	hypothetical protein ThpsCp006
RL00aefb21	189095398	YP_001936411.1	Heterosigma akashiwo	conserved hypothetical plastid protein Ycf66
RL00aefb21	215400796	YP_002327557.1	Vaucheria litorea	hypothetical protein YCF66
RL00aefb21	269101075	YP_003289223.1	Ectocarpus siliculosus	Chloroplast conserved hypothetical protein
RL00aefb21	299830339	YP_003734554.1	Kryptoperidinium foliaceum	hypothetical protein KrfoC_p044
RL00aefb21	299830544	YP_003734992.1	Durinskia baltica	hypothetical protein PyulOm_p043
RL00aefb21	315320517	YP_004072573.1	Thalassiosira oceanica CCMP1005	putative 26S protease regulatory subunit Ycf66
RL00aefb21	330850828	YP_004376578.1	Fistulifera sp. JPCC DA0580	hypothetical protein FispC_p013
RL00aefb23	11467555	NP_043701.1	Odontella sinensis	ORF29b
RL00aefb23	30468102	NP_848989.1	Cyanidioschyzon merolae strain 10D	ORF32
RL00aefb72	11467634	NP_050686.1	Guillardia theta	septum site-determining protein
RL00aefb72	149072096	YP_001293499.1	Rhodomonas salina	septum-site determining protein
RL00aefb73	11467635	NP_050687.1	Guillardia theta	septum-site determining protein
RL00aefb73	71842293	YP_277381.1	Emiliana huxleyi	septum-site determining protein
RL00aefb73	149072095	YP_001293500.1	Rhodomonas salina	septum-site determining protein

RL00aefbc3	11467715	NP_050767.1	Guillardia theta	DNA-binding protein hu homolog
RL00aefbc3	30468180	NP_849067.1	Cyanidioschyzon merolae strain 10D	DNA-binding protein Hu homolog
RL00aefbc3	149072008	YP_001293578.1	Rhodomonas salina	DNA binding protein hu-like protein
RL00af6c60	11496544	NP_044554.1	Toxoplasma gondii RH	ribosomal protein S5
RL00af6c60	31442374	NP_852631.1	Eimeria tenella strain Penn State	ribosomal protein S5
RL00af6c67	11496551	NP_044562.1	Toxoplasma gondii RH	ORF F
RL00af6c67	31442382	NP_852639.1	Eimeria tenella strain Penn State	ORF-F
RL00af6c6e	11496558	NP_044566.1	Toxoplasma gondii RH	ORF D
RL00af6c6e	31442385	NP_852642.1	Eimeria tenella strain Penn State	ORF-C
RL00af6c70	11496560	NP_044563.1	Toxoplasma gondii RH	ORF E
RL00af6c70	31442383	NP_852640.1	Eimeria tenella strain Penn State	ORF-E
RL01d0e89a	30468250	NP_849137.1	Cyanidioschyzon merolae strain 10D	ORF340
RL01d0e89a	301500911	YP_003795323.1	Chromera velia	hypothetical protein ChveC_p069
RL030d669c	51209884	YP_063548.1	Gracilaria tenuistipitata var. liui	hypothetical plastid protein
RL030d669c	71025989	XP_762699.1	Theileria parva strain Muguga	hypothetical protein
RL030d669c	71026007	XP_762707.1	Theileria parva strain Muguga	hypothetical protein
RL043bc51f	71025951	XP_762682.1	Theileria parva strain Muguga	ribosomal protein S5
RL043bc51f	209892893	YP_002290866.1	Babesia bovis T2Bo	rps13
RL043bc52b	71025963	XP_762687.1	Theileria parva strain Muguga	ribosomal protein S7
RL043bc52b	209892890	YP_002290863.1	Babesia bovis T2Bo	hypothetical protein BBOV_V000330
RL043bc536	71025974	XP_762692.1	Theileria parva strain Muguga	molecular chaperone
RL043bc536	209892878	YP_002290851.1	Babesia bovis T2Bo	clpC
RL043bc538	71025976	XP_762693.1	Theileria parva strain Muguga	molecular chaperone
RL043bc538	209892877	YP_002290850.1	Babesia bovis T2Bo	clpC
RL043bc549	71025993	XP_762701.1	Theileria parva strain Muguga	hypothetical protein
RL043bc549	71026014	XP_762710.1	Theileria parva strain Muguga	hypothetical protein
RL043bc54c	71025996	XP_762702.1	Theileria parva strain Muguga	hypothetical protein
RL043bc54c	71026002	XP_762705.1	Theileria parva strain Muguga	hypothetical protein
RL043bc54e	71025998	XP_762703.1	Theileria parva strain Muguga	hypothetical protein
RL043bc54e	71026004	XP_762706.1	Theileria parva strain Muguga	hypothetical protein

RL043bc559	71026009	XP_762708.1	Theileria parva strain Muguga	hypothetical protein
RL043bc559	301500882	YP_003795294.1	Chromera velia	hypothetical protein ChveC_p040
RL043bc560	71026016	XP_762711.1	Theileria parva strain Muguga	DNA-directed RNA polymerase subunit beta"
RL043bc560	209892873	YP_002290846.1	Babesia bovis T2Bo	rpoC2-N-terminal
RL044839eb	71842283	YP_277371.1	Emiliana huxleyi	photosystem II 44 kDa protein
RL044839eb	92087138	NP_045020.2	Cyanidium caldarium	photosystem II 44 kDa protein
RL044839eb	92087139	NP_849003.2	Cyanidioschyzon merolae strain 10D	photosystem II 44 kDa protein
RL044839eb	112821016	YP_063543.2	Gracilaria tenuistipitata var. liui	photosystem II 44 kDa protein
RL044839eb	126165877	NP_053966.2	Porphyra purpurea	photosystem II 44 kDa protein
RL044839eb	126165886	NP_050677.2	Guillardia theta	photosystem II 44 kDa protein
RL044839eb	171259323	YP_001293491.2	Rhodomonas salina	photosystem II chlorophyll A core antenna apoprotein CP43
RL044839eb	193735609	YP_537037.3	Porphyra yezoensis	photosystem II 44 kDa protein
RL044839eb	193735610	YP_001936312.2	Heterosigma akashiwo	photosystem II 44 kDa protein
RL044839eb	193735611	YP_001936358.2	Heterosigma akashiwo	photosystem II 44 kDa protein
RL044839eb	193735612	NP_043688.2	Odontella sinensis	photosystem II 44 kDa protein
RL044839eb	193735613	YP_874376.2	Phaeodactylum tricorutum	photosystem II chlorophyll A core antenna apoprotein CP43
RL044839eb	193735617	YP_874543.2	Thalassiosira pseudonana	photosystem II chlorophyll A core antenna apoprotein CP43
RL044839eb	215400719	YP_002327480.1	Vaucheria litorea	PSII CP43 apoprotein
RL044839eb	242620040	YP_003002044.1	Aureococcus anophagefferens	photosystem II 44 kDa apoprotein (P6)
RL044839eb	242624265	YP_003002183.1	Aureoumbra lagunensis	photosystem II 44 kDa apoprotein (P6)
RL044839eb	269101000	YP_003289148.1	Ectocarpus siliculosus	Photosystem II chlorophyll A core antenna apoprotein CP43
RL044839eb	299830315	YP_003734530.1	Kryptoperidinium foliaceum	photosystem II chlorophyll A core antenna apoprotein CP43
RL044839eb	299830521	YP_003734968.1	Durinskia baltica	photosystem II chlorophyll A core antenna apoprotein CP43
RL044839eb	301500862	YP_003795274.1	Chromera velia	photosystem II 47 kDa protein
RL044839eb	301500944	YP_003795409.1	Alveolata sp. CCMP3155	photosystem II 44 kDa protein
RL044839eb	315320507	YP_004072563.1	Thalassiosira oceanica CCMP1005	photosystem II CP43 chlorophyll apoprotein
RL044839eb	330850925	YP_004376675.1	Fistulifera sp. JPCC DA0580	photosystem II chlorophyll A core antenna apoprotein CP43
RL08e2a86f	149071983	YP_001293515.1	Rhodomonas salina	two-component sensor kinase
RL08e2a86f	189095311	YP_001936324.1	Heterosigma akashiwo	His-Asp sensor kinase
RL0b455d7e	189095294	YP_001936307.1	Heterosigma akashiwo	hypothetical protein Heak293_Cp006
RL0b455d7e	189095350	YP_001936363.1	Heterosigma akashiwo	hypothetical protein Heak293_Cp062
RL0b455d93	189095315	YP_001936328.1	Heterosigma akashiwo	putative integrase/recombinase protein
RL0b455d93	299830375	YP_003734590.1	Kryptoperidinium foliaceum	putative integrase/recombinase protein
RL0c82b612	209892882	YP_002290855.1	Babesia bovis T2Bo	hypothetical protein BBOV_V000200
RL0c82b612	209892883	YP_002290856.1	Babesia bovis T2Bo	hypothetical protein BBOV_V000210

RL0c82b618	209892888	YP_002290861.1	Babesia bovis T2Bo	hypothetical protein BBOV_V000310
RL0c82b618	209892889	YP_002290862.1	Babesia bovis T2Bo	hypothetical protein BBOV_V000320
RL100a27c4	269100996	YP_003289144.1	Ectocarpus siliculosus	hypothetical protein Es_cpDNA_36
RL100a27c4	269101060	YP_003289208.1	Ectocarpus siliculosus	hypothetical protein Es_cpDNA_99
RL11df0c53	299830355	YP_003734570.1	Kryptoperidinium foliaceum	putative serine recombinase
RL11df0c53	330850887	YP_004376637.1	Fistulifera sp. JPCC DA0580	putative serine recombinase
RL11f889ab	301500843	YP_003795255.1	Chromera velia	hypothetical protein ChveC_p001
RL11f889ab	301500922	YP_003795334.1	Chromera velia	hypothetical protein ChveC_p080
RL11f889ad	301500845	YP_003795257.1	Chromera velia	ATP synthase CF0 C subunit
RL11f889ad	301500920	YP_003795332.1	Chromera velia	ATP synthase CF0 C subunit
RL13b8621f	330850847	YP_004376597.1	Fistulifera sp. JPCC DA0580	hypothetical protein FispC_p032
RL13b8621f	330850906	YP_004376656.1	Fistulifera sp. JPCC DA0580	hypothetical protein FispC_p091
RL13b86221	330850849	YP_004376599.1	Fistulifera sp. JPCC DA0580	hypothetical protein FispC_p034
RL13b86221	330850904	YP_004376654.1	Fistulifera sp. JPCC DA0580	hypothetical protein FispC_p089
RL00aef2f2	11465458	NP_045151.1	Cyanidium caldarium	hypothetical protein CycaCp134
RL00aef305	11465477	NP_045132.1	Cyanidium caldarium	ribosomal protein L28
RL00aef308	11465480	NP_045129.1	Cyanidium caldarium	hypothetical protein CycaCp112
RL00aef30d	11465485	NP_045124.1	Cyanidium caldarium	hypothetical protein CycaCp107
RL00aef318	11465496	NP_045113.1	Cyanidium caldarium	hypothetical protein CycaCp096
RL00aef320	11465504	NP_045105.1	Cyanidium caldarium	4-(2'-carboxyphenyl)-4-oxybutyric acid synthase
RL00aef321	11465505	NP_045104.1	Cyanidium caldarium	O-succinylbenzoic acid-CoA ligase
RL00aef32a	11465514	NP_045095.1	Cyanidium caldarium	hypothetical protein CycaCp078
RL00aef357	11465559	NP_045049.1	Cyanidium caldarium	hypothetical protein CycaCp032
RL00aef36a	11465578	NP_045030.1	Cyanidium caldarium	hypothetical protein CycaCp013
RL00aef372	11465586	NP_045022.1	Cyanidium caldarium	hypothetical protein CycaCp004

RL00aef44a	11465802	NP_053946.1	Porphyra purpurea	hypothetical protein PopuCp151
RL00aefaae	11467438	NP_043584.1	Odontella sinensis	ORF46
RL00aefb10	11467536	NP_043682.1	Odontella sinensis	ORF26a
RL00aefb12	11467538	NP_043684.1	Odontella sinensis	ORF25
RL00aefb1e	11467550	NP_043696.1	Odontella sinensis	ORF27
RL00aefb31	11467569	NP_043715.1	Odontella sinensis	ORF26b
RL00aefb63	11467619	NP_050671.1	Guillardia theta	hypothetical protein GuthCp012
RL00aefb64	11467620	NP_050672.1	Guillardia theta	hypothetical protein GuthCp013
RL00aefb6e	11467630	NP_050682.1	Guillardia theta	hypothetical protein GuthCp023
RL00aefb89	11467657	NP_050709.1	Guillardia theta	hypothetical protein GuthCp050
RL01d0e7d5	30468053	NP_848940.1	Cyanidioschyzon merolae strain 10D	translation initiation factor 2
RL01d0e7d7	30468055	NP_848942.1	Cyanidioschyzon merolae strain 10D	ORF257
RL01d0e7e9	30468073	NP_848960.1	Cyanidioschyzon merolae strain 10D	ORF155
RL01d0e7ea	30468074	NP_848961.1	Cyanidioschyzon merolae strain 10D	remnant of ycf55
RL01d0e7ee	30468078	NP_848965.1	Cyanidioschyzon merolae strain 10D	sulfate transport protein
RL01d0e7ef	30468079	NP_848966.1	Cyanidioschyzon merolae strain 10D	sulfate transport protein
RL01d0e7fa	30468090	NP_848977.1	Cyanidioschyzon merolae strain 10D	ORF47
RL01d0e801	30468097	NP_848984.1	Cyanidioschyzon merolae strain 10D	DNA-directed RNA polymerase omega chain
RL01d0e805	30468101	NP_848988.1	Cyanidioschyzon merolae strain 10D	ORF47
RL01d0e807	30468103	NP_848990.1	Cyanidioschyzon merolae strain 10D	ORF40
RL01d0e808	30468104	NP_848991.1	Cyanidioschyzon merolae strain 10D	ORF45
RL01d0e809	30468105	NP_848992.1	Cyanidioschyzon merolae strain 10D	ORF44

RL01d0e80a	30468106 NP_848993.1	Cyanidioschyzon merolae strain 10D	ORF60
RL01d0e81a	30468122 NP_849009.1	Cyanidioschyzon merolae strain 10D	remnant of 30S ribosomal protein S1
RL01d0e81d	30468125 NP_849012.1	Cyanidioschyzon merolae strain 10D	ntcA-like transcriptional regulator
RL01d0e821	30468129 NP_849016.1	Cyanidioschyzon merolae strain 10D	molybdopterin biosynthesis protein
RL01d0e825	30468133 NP_849020.1	Cyanidioschyzon merolae strain 10D	ORF41
RL01d0e82d	30468141 NP_849028.1	Cyanidioschyzon merolae strain 10D	4-(2'-carboxyphenyl)-4-oxybutyric acid synthase
RL01d0e82e	30468142 NP_849029.1	Cyanidioschyzon merolae strain 10D	o-succinylbenzoic acid-CoA ligase
RL01d0e830	30468144 NP_849031.1	Cyanidioschyzon merolae strain 10D	ORF138
RL01d0e833	30468147 NP_849034.1	Cyanidioschyzon merolae strain 10D	ORF47
RL01d0e83b	30468155 NP_849042.1	Cyanidioschyzon merolae strain 10D	ORF87
RL01d0e845	30468165 NP_849052.1	Cyanidioschyzon merolae strain 10D	ORF47
RL01d0e85e	30468190 NP_849077.1	Cyanidioschyzon merolae strain 10D	ribosomal protein L29
RL01d0e87b	30468219 NP_849106.1	Cyanidioschyzon merolae strain 10D	ORF41
RL01d0e882	30468226 NP_849113.1	Cyanidioschyzon merolae strain 10D	ribosomal protein S18
RL01d0e896	30468246 NP_849133.1	Cyanidioschyzon merolae strain 10D	ORF97
RL01d0e89d	30468253 NP_849140.1	Cyanidioschyzon merolae strain 10D	ORF515
RL01dfc5d2	31442386 NP_852643.1	Eimeria tenella strain Penn State	ORF-D
RL030d6694	51209876 YP_063540.1	Gracilaria tenuistipitata var. liui	3-isopropylmalate dehydratase large subunit
RL030d6695	51209877 YP_063541.1	Gracilaria tenuistipitata var. liui	3-isopropylmalate dehydratase small subunit
RL030d66a6	51209894 YP_063558.1	Gracilaria tenuistipitata var. liui	global nitrogen transcriptional regulator
RL030d66ae	51209902 YP_063566.1	Gracilaria tenuistipitata var. liui	hypothetical plastid protein

RL030d6707	51209991	YP_063655.1	Gracilaria tenuistipitata var. liui	hypothetical plastid protein
RL030d670c	51209996	YP_063660.1	Gracilaria tenuistipitata var. liui	hypothetical plastid protein
RL030d670d	51209997	YP_063661.1	Gracilaria tenuistipitata var. liui	hypothetical plastid protein
RL030d670f	51209999	YP_063663.1	Gracilaria tenuistipitata var. liui	hypothetical plastid protein
RL030d6710	51210000	YP_063664.1	Gracilaria tenuistipitata var. liui	hypothetical plastid protein
RL030d671e	51210014	YP_063678.1	Gracilaria tenuistipitata var. liui	hypothetical plastid protein
RL043bc517	71025943	XP_762678.1	Theileria parva strain Muguga	hypothetical protein
RL043bc52f	71025967	XP_762689.1	Theileria parva strain Muguga	hypothetical protein
RL043bc531	71025969	XP_762690.1	Theileria parva strain Muguga	hypothetical protein
RL043bc533	71025971	XP_762691.1	Theileria parva strain Muguga	hypothetical protein
RL043bc53a	71025978	XP_762694.1	Theileria parva strain Muguga	hypothetical protein
RL044839be	71842238	YP_277326.1	Emiliana huxleyi	hypothetical protein EmhuCp018
RL04483a0a	71842314	YP_277402.1	Emiliana huxleyi	hypothetical protein EmhuCp094
RL056c76e4	90994404	YP_536894.1	Porphyra yezoensis	hypothetical protein 2
RL056c7749	90994505	YP_536995.1	Porphyra yezoensis	hypothetical protein 5
RL056c7750	90994512	YP_537002.1	Porphyra yezoensis	hypothetical protein 6
RL08e2a8ac	149072044	YP_001293613.1	Rhodomonas salina	hypothetical protein RhsaCp144
RL08e2a8e8	149072104	YP_001293486.1	Rhodomonas salina	ORF146
RL08e2a8e9	149072105	YP_001293485.1	Rhodomonas salina	ORF142
RL08e2a8ea	149072106	YP_001293483.1	Rhodomonas salina	DNA polymerase III
RL0b455d8d	189095309	YP_001936322.1	Heterosigma akashiwo	hypothetical protein Heak293_Cp021
RL0b455d92	189095314	YP_001936327.1	Heterosigma akashiwo	hypothetical protein Heak293_Cp026

RL0b455da1	189095329	YP_001936342.1	Heterosigma akashiwo	hypothetical protein Heak293_Cp041
RL0b455ddb	189095387	YP_001936400.1	Heterosigma akashiwo	hypothetical protein Heak293_Cp099
RL0c82b60f	209892879	YP_002290852.1	Babesia bovis T2Bo	hypothetical protein BBOV_V000170
RL0c82b610	209892880	YP_002290853.1	Babesia bovis T2Bo	hypothetical protein BBOV_V000180
RL0c82b611	209892881	YP_002290854.1	Babesia bovis T2Bo	hypothetical protein BBOV_V000190
RL0c82b615	209892885	YP_002290858.1	Babesia bovis T2Bo	hypothetical protein BBOV_V000280
RL0c82b617	209892887	YP_002290860.1	Babesia bovis T2Bo	hypothetical protein BBOV_V000300
RL100a2819	269101081	YP_003289229.1	Ectocarpus siliculosus	Chloroplast hypothetical protein
RL100a281b	269101083	YP_003289231.1	Ectocarpus siliculosus	Chloroplast conserved hypothetical protein
RL100a283b	269101115	YP_003289263.1	Ectocarpus siliculosus	Chloroplast conserved hypothetical protein
RL100a2841	269101121	YP_003289269.1	Ectocarpus siliculosus	30S ribosomal protein S18
RL100a2844	269101124	YP_003289272.1	Ectocarpus siliculosus	Chloroplast hypothetical protein
RL10ea5dc9	283794889	YP_003359242.1	Cryptomonas paramecium	ATP synthase CF1 epsilon subunit
RL10ea5df9	283794937	YP_003359290.1	Cryptomonas paramecium	hypothetical protein CRPAC_p074
RL10ea5dfc	283794940	YP_003359293.1	Cryptomonas paramecium	hypothetical protein CRPAC_p077
RL10ea5dff	283794943	YP_003359296.1	Cryptomonas paramecium	hypothetical protein CRPAC_p080
RL11df0c54	299830356	YP_003734571.1	Kryptoperidinium foliaceum	putative serine recombinase
RL11df0c64	299830372	YP_003734587.1	Kryptoperidinium foliaceum	hypothetical protein KrfoC_p077
RL11df0c65	299830373	YP_003734588.1	Kryptoperidinium foliaceum	hypothetical protein KrfoC_p078
RL11df0c66	299830374	YP_003734589.1	Kryptoperidinium foliaceum	hypothetical protein KrfoC_p079
RL11df0c8a	299830410	YP_003734625.1	Kryptoperidinium foliaceum	hypothetical protein KrfoC_p115

RL11df0c8b	299830411	YP_003734626.1	Kryptoperidinium foliaceum	hypothetical protein KrfoC_p116
RL11df0c8c	299830412	YP_003734627.1	Kryptoperidinium foliaceum	putative serine recombinase
RL11df0c93	299830419	YP_003734634.1	Kryptoperidinium foliaceum	hypothetical protein KrfoC_p124
RL11df0ca0	299830432	YP_003734647.1	Kryptoperidinium foliaceum	putative serine recombinase
RL11f889af	301500847	YP_003795259.1	Chromera velia	hypothetical protein ChveC_p005
RL11f889b3	301500851	YP_003795263.1	Chromera velia	photosystem I P700 chlorophyll a apoprotein A1
RL11f889b5	301500853	YP_003795265.1	Chromera velia	hypothetical protein ChveC_p011
RL11f889b6	301500854	YP_003795266.1	Chromera velia	hypothetical protein ChveC_p012
RL11f889b8	301500856	YP_003795268.1	Chromera velia	photosystem I P700 chlorophyll a apoprotein A1
RL11f889ba	301500858	YP_003795270.1	Chromera velia	photosystem I P700 chlorophyll a apoprotein A2
RL11f889bb	301500859	YP_003795271.1	Chromera velia	Clp protease ATP binding subunit
RL11f889bc	301500860	YP_003795272.1	Chromera velia	hypothetical protein ChveC_p018
RL11f889bd	301500861	YP_003795273.1	Chromera velia	Clp protease ATP binding subunit
RL11f889c0	301500864	YP_003795276.1	Chromera velia	hypothetical protein ChveC_p022
RL11f889c3	301500867	YP_003795279.1	Chromera velia	hypothetical protein ChveC_p025
RL11f889c4	301500868	YP_003795280.1	Chromera velia	hypothetical protein ChveC_p026
RL11f889c5	301500869	YP_003795281.1	Chromera velia	ribosomal protein L4
RL11f889c9	301500873	YP_003795285.1	Chromera velia	photosystem I assembly protein Ycf3
RL11f889ce	301500878	YP_003795290.1	Chromera velia	hypothetical protein ChveC_p036
RL11f889d0	301500880	YP_003795292.1	Chromera velia	Clp protease ATP binding subunit
RL11f889d1	301500881	YP_003795293.1	Chromera velia	hypothetical protein ChveC_p039
RL11f889d3	301500883	YP_003795295.1	Chromera velia	ATP synthase CF1 beta subunit

RL11f889d7	301500887	YP_003795299.1	Chromera velia	hypothetical protein ChveC_p045
RL11f889d8	301500888	YP_003795300.1	Chromera velia	ribosomal protein S7
RL11f889da	301500890	YP_003795302.1	Chromera velia	hypothetical protein ChveC_p048
RL11f889dd	301500893	YP_003795305.1	Chromera velia	ribosomal protein S11
RL11f889de	301500894	YP_003795306.1	Chromera velia	ribosomal protein S18
RL11f889df	301500895	YP_003795307.1	Chromera velia	RNA polymerase beta' subunit
RL11f889e5	301500901	YP_003795313.1	Chromera velia	ribosomal protein S4
RL11f889e6	301500902	YP_003795314.1	Chromera velia	RNA polymerase beta" subunit
RL11f889e7	301500903	YP_003795315.1	Chromera velia	ribosomal protein S3
RL11f889e9	301500905	YP_003795317.1	Chromera velia	ribosomal protein S17
RL11f889ec	301500908	YP_003795320.1	Chromera velia	ribosomal protein S8
RL11f889f0	301500912	YP_003795324.1	Chromera velia	hypothetical protein ChveC_p070
RL11f889f3	301500915	YP_003795327.1	Chromera velia	hypothetical protein ChveC_p073
RL11f88a0a	301500938	YP_003795403.1	Alveolata sp. CCMP3155	ORF87
RL11f88a0e	301500942	YP_003795407.1	Alveolata sp. CCMP3155	ORF2
RL11f88a2c	301500972	YP_003795437.1	Alveolata sp. CCMP3155	ribosomal protein S5
RL11f88a34	301500980	YP_003795445.1	Alveolata sp. CCMP3155	ribosomal protein S7
RL11f88a38	301500984	YP_003795449.1	Alveolata sp. CCMP3155	ORF3
RL11f88a39	301500985	YP_003795450.1	Alveolata sp. CCMP3155	ribosomal protein S18
RL12cb6921	315320609	YP_004072595.1	Thalassiosira oceanica CCMP1005	hypothetical protein THAOCp072
RL13b86220	330850848	YP_004376598.1	Fistulifera sp. JPCC DA0580	hypothetical protein FispC_p033

RL13b86248	330850888	YP_004376638.1	Fistulifera sp. JPCC DA0580	hypothetical protein FispC_p073
RL13b86249	330850889	YP_004376639.1	Fistulifera sp. JPCC DA0580	hypothetical protein FispC_p074
RL13b86259	330850905	YP_004376655.1	Fistulifera sp. JPCC DA0580	hypothetical protein FispC_p090