

## SUPPLEMENTARY MATERIAL

Table S1. Plants and algae present in the PLMiRNA database

	Latin name	English name	PLMiRNA code	
Viridiplantae				
	<b>Bryophyta</b>			
	Marchantiopsida	<i>Marchantia polymorpha</i>	Liverwort	M.p.
	<b>Magnoliophyta</b>			
	Magnoliopsida	<i>Arabidopsis thaliana</i>	Thale cress	A.t.
		<i>Beta vulgaris</i>	Sugar beet	B.v.
		<i>Brassica napus</i>	Rape seed	B.n.
		<i>Brassica oleracea</i>	Cauliflower	B.o.
		<i>Glycine max</i>	Soybean	G.m.
		<i>Helianthus annuus</i>	Sunflower	H.a.
		<i>Lupinus luteus</i>	Lupine	L.l.
		<i>Lycopersicon esculentum</i>	Tomato	L.e.
		<i>Oenothera berteriana</i>	Primrose	O.b.
		<i>Petunia hybrida</i>	Petunia	P.h.
		<i>Phaseolus vulgaris</i>	Bean	P.v.
		<i>Pisum sativum</i>	Pea	P.s.
		<i>Raphanus sativus</i>	Horseradish	R.s.
		<i>Solanum tuberosum</i>	Potato	S.t.
		<i>Vigna radiata</i>	Mung bean	V.r.
	Liliopsida	<i>Lolium multiflorum</i>	Italian ryegrass	L.m.
		<i>Lophopyrum elongatum (Elytrigia elongata)</i>	Tall wheatgrass	Lo.e.
		<i>Oryza sativa</i>	Rice	O.s.
		<i>Secale cereale</i>	Rye	S.c.
		<i>Sorghum bicolor</i>	Sorghum	S.b.
		<i>Sorghum vulgare</i>	Sorghum	S.v.
		<i>Triticum aestivum</i>	Wheat	T.a.
		<i>Zea mays</i>	Maize	Z.m.
	<b>Coniferophyta</b>			
	Coniferopsida	<i>Larix leptoeuropaea</i>	Larch	La.l.
	<b>Chlorophyta</b>			
	Chlorophyceae	<i>Chlamydomonas eugametos</i>		C.e.
		<i>Chlamydomonas reinhardtii</i>		C.r.
		<i>Chlorogonium elongatum</i>		Ch.e.
		<i>Scenedesmus obliquus</i>		S.o.
	Pedinophyceae	<i>Pedinomonas minor</i>		P.m.
	Prasinophyceae	<i>Platymonas subcordiformis</i>		Pl.s.
		<i>Nephroselmis olivacea</i>		N.o.
	Trebouxiophyceae	<i>Prototheca wickerhamii</i>		P.w.
Rhodophytae				
	Bangiophyceae	<i>Cyanidioschyzon merolae</i>		C.m.
		<i>Cyanidium caldarium</i>		Cy.c.
		<i>Porphyra purpurea</i>		P.p.
	Florideophyceae	<i>Chondrus crispus</i>	Carrageen	C.c.
Stramenopiles				
	Chrysophyceae	<i>Chrysodidymus synuroideus</i>		C.s.
	Phaeophyceae	<i>Pilayella littoralis</i>		Pl.

**Table S2.** Taxonomic groups present in the PLMitRNA database

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1.	Viridiplantae (Green plants)
1.1.	Streptophyta
1.1.1.	Embryophyta (Higher plants, Land plants) Bryophyta
1.1.1.1.1.	Marchantiopsida
1.1.1.2.	Tracheophyta (Vascular plants)
1.1.1.2.1.	Spermatophyta (Seed plants)
1.1.1.2.1.1.	Coniferophyta
1.1.1.2.1.1.1.	Coniferopsida
1.1.1.2.1.2.	Magnoliophyta = Angiospermae (Angiosperms, Flowering plants)
1.1.1.2.1.2.1.	Liliopsida = Monocotyledonae (Monocots, Monocotyledons)
1.1.1.2.1.2.2.	Magnoliopsida = Dicotyledonae (Dicots, Dicotyledons)
1.2	Chlorophyta (Green algae)
1.2.1	Chlorophyceae
1.2.2	Pedinophyceae
1.2.3	Prasinophyceae
1.2.4	Trebouxiophyceae
2.	Rhodophytae (Red algae)
2.1	Bangiophyceae
2.2	Florideophyceae
3.	Stramenopiles (Heterokonts)
3.1.	Chrysophyceae = Chrysophyta (Golden algae)
3.2.	Phaeophyceae/Xantophyceae = Phaeophyta/Xanthophyta

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