

Additional file 1:

Tables S1, S2

Table S1. List of primers used for amplification and sequencing of *TsDRP1*.

Primer Designation	Sequences (5'-3')
CrDRP1_R3	GTCCATAATGTCCACCTTGGTC
CrDRP1_R9	GATCTCCTCGCTCTCGTTGAT
TsDRP1_F1	GTGATCGGACTCGTCAACAA
TsDRP1_F3	AAGTCGTCGGTGCTGGAG
TsDRP1_F4	GCAGTACATCAAGAGCGACAAC
TsDRP1_F12	CGAGTTCTTCCAGAGCAAGC
TsDRP1_R2	GTGCGCGAACTCCCCATAGT
TsDRP1_R14	ACACGTCCAGGATCTTCTCG
TsDRP1_3'UTR_F1	TCAACGGCGAGAACCTGTTCGAGAAGC
TsDRP1_3'UTR_F2	CTGCTGACGGACCTGCAGGAGGAGAC
TsDRP1_5'UTR_R1	GGAGCTCTGTCCACCGACAACGACGAT
TsDRP1_5'UTR_R2	ATGGTTGGGAGCTTGCTCCACAGGATG
TsDRP1_antigen_F1 ^a	CACCCTGCAGCAAATTTGCACGTCGCTC
TsDRP1_antigen_R2 ^a	TTAGAGGCGCCGCAGCTGCGGCTCCTC

^aPrimers for antigen.

Table S2. List of DRP1 and DRP2 proteins used in this study.

Species	Protein Name	Locus Name/Accession Number
<i>Chlamydomonas reinhardtii</i>	DRP1	Cre05.g245950.t1.1 ^b
<i>Tetrabaena socialis</i>	DRP1	LC279615 ^a
<i>Gonium pectorale</i>	DRP1	KXZ46173 ^c
<i>Volvox carteri</i>	DRP1	Vocar.0026s0065 ^b
<i>Coccomyxa subellipsoidea</i>	Dynamin family	estExt_fgenes1_pm.C_190089 ^b
<i>Micromonas pusilla</i>	DYNAMIN	e_gw1.14.510.1 ^b
<i>Micromonas</i> sp.	Dynamin family	EuGene.1500010100 ^b
<i>Arabidopsis thaliana</i>	DRP1A ^a	AT5G42080 ^b
	DRP1B ^a	AT3G61760 ^b
	DRP1C ^a	AT1G14830 ^b
	DRP1D ^a	AT2G44590 ^b
	DRP1E ^a	AT3G60190 ^b
	DRP2A ^a	AT1G10290 ^b
	DRP2B ^a	AT1G59610 ^b
<i>Oryza sativa</i>	Os02 g50550 ^a	LOC_Os02g50550 ^b
	Os03 g50520 ^a	LOC_Os03g50520 ^b
	Os05 g48240 ^a	LOC_Os05g48240 ^b
	Os06 g13820 ^a	LOC_Os06g13820 ^b
	Os08 g32920 ^a	LOC_Os08g32920 ^b
	Os09 g39960 ^a	LOC_Os09g39960 ^b
	Os10 g41820 ^a	LOC_Os10g41820 ^b
<i>Amborella trichopoda</i>	DRP1A	evm_27.TU.AmTr_v1.0_scaffold00021.256 ^b
	DRP1C	evm_27.TU.AmTr_v1.0_scaffold00176.26 ^b
	DYNAMIN	evm_27.TU.AmTr_v1.0_scaffold00002.113 ^b
	DRP2A	evm_27.TU.AmTr_v1.0_scaffold00080.49 ^b
<i>Selaginella moellendorffii</i>	DRP1C-1	183216 ^b
	DRP1C-2	266589 ^b

	DRP1C-3	90013 ^b
	DRP2A-1	171046 ^b
	DRP2A-2	77824 ^b
<i>Physcomitrella patens</i>	DRP1C-1	Pp3c18_20531 ^b
	DRP1C-2	Pp3c19_3590 ^b
	DRP1C-3	Pp3c19_4870 ^b
	DRP1C-4	Pp3c22_1100 ^b
	DRP1C-5	Pp3c22_2500 ^b
	DRP2A-1	Pp3c18_20600 ^b
	DRP2A-2	Pp3c19_3640 ^b
	DRP2A-3	Pp3c1_8440 ^b
	DRP2A-4	Pp3c2_32060 ^b
<i>Klebsormidium flaccidum</i>	DLP-1 ^c	GAQ83701 ^b
	DRP ^c	GAQ87226 ^b

^aDetermined in this study.

^bObtained from Phytozome (<https://phytozome.jgi.doe.gov/pz/portal.html>).

^cObtained from National Center for Biotechnology Information (NCBI) database (<https://www.ncbi.nlm.nih.gov>).