Table S1. List of PPR proteins and their target sites

Name	Species*	AGI number	Localization	NSRs in the motifs	Target RNA sequence	Editing site	(ref)
CLB19	At	At1g05750	Chl	VTN-IIH-MTN-VNW-AND-VIN-RNT-VND-VTR-EGI	acacgugcaa agaagcccaa	rpoA(78691) clpP(69942)	[35]
CRR21	At	At5g55740	Chl	EGN-YTN-FAD-FPC-FSN-VNT-VSD-ITD-VND-VAD-VSD-INN-INN-ITN-FTL-STE-PND-ITC-EGD	auguacagcggucaaauag	ndhD(116785)	[16]
CRR22	At	At1g11290	Chl	FTL-VHV-YTD-FTD-VNS-IVL-NTN-VNT-VMN-SNT-VND-FVN-FTH-TNN-VLS-DGA	aagcuuucccuagccc uaugcagcuucaacau auaucuauucuaguuc	ndhB(96419) ndhD(116281) rpoB(25779)	[36]
CRR28	At	At1g59720	Chl	FGS-FND-HPD-YNS-VND-YQD-LND-ANN-VVA-EGD	aucuuuguag auuuaugcag	ndhB(96698) ndhD(116290)	[36]
CRR4	At	At2g45350	Chl	FND-FSD-FND-VNN-IND-INW-TDD-VND-TVG-KVS-DND-IVR-QGN	uaucuugucuuua	ndhD(117166)	[37]
LOI1	At	At4g14850	Mt	DGP-FNN-VTN-FPD-FCN-ENN-ICD-SNW-SAS-FST-FSN-VNN-MVG-EST	ugauacgauuaauu uaauacccuuauuc uaauauugugacuu	nad4(161816) cox3(218701) ccb203(257133)	[38]
LPA66	At	At5g48910	Chl	LAN-FNN-FPD-FSE-VNS-VNN-VVD-VSN-ISS-VIR-EGD	uguaccuaccg	psbF(63985)	[39]
MEF1	At	At5g52630	Mt	NCI-LNS-TSD-HPD-FSN-VSN-YSS-FSN-GNN-ILT-KAW	accuacucauu acagaagguuu aacgaauccua	rps4(82161) nad7(137931) nad2(329886)	[40]
MEF9	At	At1g62260	Mt	VNW-TSD-FNW-ATA-VLL-YNN-VND-INW-MSH-VND-HTD-PNE-INS-IVQ-ESD	uucaagcuuuaccuu	nad7(133233)	[41]
MEF14	At	At3g26780	Mt	FNT-SPD-FSI-SSD-MVG-SND-VNN-ISD-ITN-RTN-IVG-EGG	aguacuccaaagcu	matR(144418)	[42]
MEF18	At	At5g19020	Mt	RVN-YND-ANS-VTN-VAR-FTN-VND-VGS-VVY-FAH-AND-FND-IVN-NAT-SNN-IVD-KGD	uccauaaauucuccg	nad4(167599)	[43]
MEF19	At	At3g05240	Mt	ISS-YND-FPN-YTN-VGN-TVN-ITT-VND-VLD-ACD-ITD-ILT-EGN	uuauugauugguu	ccb206(239125)	[43]
MEF20	At	At3g18970	Mt	RVS-LTW-AGT-TVD-FTN-FTN-ITV-EGD	cacgaaag	rps4(82891)	[43]
MEF21	At	At2g20540	Mt	FTN-FND-FPH-VND-INW-ASD-IIQ-GND-ISN-ILK-EGD	acuucgauaug	cox3(218536)	[43]
MEF22	At	At3g12770	Mt	FTQ-FND-FPD-FNT-VTD-VVE-DIN-IND-ITD-FSD-VSN-VLQ-QAG	ugugguuucgauc	nad3(260858)	[43]
otp80	At	At5g59200	Chl	FFN-YTN-VSS-SLD-VTD-VTN-FVS-FND-INN-VVQ-EGD	ugucgaaucag	rpl23(86055)	[28]
otp81	At	At2g29760	Chl	FNN-YPD-FND-VNS-VVN-TND-VTW-ASN-IVN-HSD-FSN-VTE-KAS	auucuuuuugaaa	rps12(69553)	[28]
otp82	At	At1g08070	Chl	LNN-YPD-YTY-AKD-VND-SVN-KND-INN-VLA-STS-SND-IVK-EGD	uuaguuuuucugg guagcugcuucag	ndhG(118858) ndhB(95644)	[28]
otp84	At	At3g57430	Chl	EID-YPS-TNN-VNS-FVN-FND-VND-FSN-FSW-AAN-TAD-FNW-TTN-IMD-ASN-INN-VIS-DAN	auccacuuacuucuauua uugcauuaauuauuacuu gugugauagcaucuacua	ndhF(112349) psbZ(35800) ndhB(94999)	[28]
otp85	At	At2g02980	Chl	VND-YND-YPC-VNN-ILY-KTD-QSD-ILS-KGL	uugccguca	ndhD(116494)	[28]
otp86	At	At3g63370	Chl	FGT-FNG-SPT-FND-VNN-YVE-YND-VND-VTN-QND-ITD-MGD-VND-VTD-VLE-SVG-LTD-ILW-EVT	uaucauuugauucgucgau	rps14(37161)	[28]
otp87	At	At1g74600	Mt	FKD-VNN-IGY-VSN-YND-YSD-FTS-VTN-CTD-SAR-NND-FCD-TSD-AAD-SAG-DSD-VSD-FSE-SSD-ITD-VVE-RVW	ccaugacgacuaggaaaaggca gcuaugaaacaaguaugcggua	nad7(132094) atp1(82180)	[44]
SLO1	At	At2g22410	Mt	FND-FPV-HND-VND-VIT-PNT-VTW-AGD-IIN-ATN-LTD-IIQ-KSD	uuucccgaaagcg auuuccaucagcc	nad4(162141) nad9(23908)	[45]
YS1	At	At3g22690	Chl	FND-YPD-FNW-SCN-VVN-LSN-DND-ILW-NNT-VNW-TSD-VMD-RTD-STD-VVE-VGN	augaauucccuuggaa	rpoB(25779)	[46]

*At, Arabidopsis thaliana

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