

**Table S2.** List of PPR proteins and their target sites

Name	Species*	AGI number	Localization	NSRs in the motifs	Target RNA sequence	Editing site	(ref)
PpPPR_56	Pp	-	Mt	FVN-HNS-ANN-GMD-RTD-ITN-IVD-RTD-VND-ILD-RTN-VND-VVD-SND	uuuggaagucaccu uauagacgguaucu	nad3eU230S nad4eU272S	[23,26]
PpPPR_71	Pp	-	Mt	RVN-YNT-VNS-ILD-RTD-SNN-ILD-RTD-VTD-IMD-LTD-VSD-VIH-PND-INN-VVT-KGD	uuccacaggugucuccuu	ccmFCeU122SF	[24]
PpPPR_77	Pp	-	Mt	AVD-FND-INN-IID-RND-VND-VID-RTD-VNN-TLD-QND-ING-VLN-HND-IND-IAD-NND-MTV-SSD-GND-VNN-FVD-RAN-VND-STT-EGN	caauuacuaucuaagcuauggacau acuuggccuuugaagcagcugcuugg	cox2eU370RW cox3eU733RW	[23]
PpPPR_78	Pp	-	Mt	SMD-YNT-HND-TMD-KNS-VTN-IID-ATD-INN-IVD-GND-ITN-VTD-HND-VND-VID-SNN-IND-VVT-EGN	uccugaggucuaauuucuaa acguuaugaaauuuuuuuuaa	cox1eU755SL rps14eU137SL	[25]
PpPPR_79	Pp	-	Mt	YVN-YNS-VND-FVD-TND-VTS-IMD-RTD-IND-ATD-RND-VTN-IMD-AND-VNN-AVT-KAN	acuuuucgacuauuuuuu	nad5eU598RC	[25]
PpPPR_91	Pp	-	Mt	SGN-NGD-YND-VSN-ILD-ATN-VTN-VVD-INS-MGN-VMD-STN-VTN-VND-VID-VTD-VNN-ITR-QGD	ugcacaauaggauugcau	nad5eU730RW	[23]
MEF3	At	At1g06140	Mt	VSN-HND-FVD-YPN-VGD-LIS-YAN-VTN-CAD-VTN-ISN-VVE-EAM	aguucgaagaaga	atp4_89	[47]
MEF7	At	At5g09950	Mt	YNN-VAN-YVD-VNN-VNT-YGD-FSN-LGS-EVM-GND-VNG-FIN-SNW-SGN-ISE-TND-VND-FAD-VSN-YND-VVR-ESN	ccuucuaauuuuucguggucua gagacgacuuuuucugaacua gcaaugacuuuuuuuucuaa uauuucacauuuuucuaugauua	cytb_325 ccb206_28 nad2_1433 nad4L41	[48]
MEF29	At	At4g30700	Mt	STD-FNN-SAE-LSD-IND-TLH-YTD-VNR-SVH-STS-PNN-VTS-YTN-VNT-VLS-KAG	uuugcugcuccaacca gguguagccgcaauag	nad5_1550 cytb_908	[49]
SLG1	At	At5g08490	Mt	RLC-EKW-ITS-VAD-LND-VNN-AAH-FNW-VAD-VID-SNW-ADD-VLE-KNT-VND-TSN-VMD-RGD-VTD-VTT-EAN	accuuuuucuuuccuugggca	nad3_250	[50]
AHG11	At	At2g44880	Mt	FND-FTD-YTS-VTD-VNT-ITN-VND-VLK-KTQ-AND-ILK-EGN	This study	This study	

\*At, *Arabidopsis thaliana*; Pp, *Physcomitrella patens*.

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