

Additional file 6. List of novel miRNAs and their predicted targets

Name	WT	<i>pap2</i>	OE7	OE21	Predicted target genes	Gene family
Leaf_miRNA0001_5p ^a	583	501	409	396	AT1G80740	Chromomethylase 1(CMT1)
Root_miRNA0001_5p ^a	403	645	505	706	AT1G80740	Chromomethylase 1(CMT1)
Leaf_miRNA0002_5p ^b	422	0	0	0	AT3G30820	Retrotransposon ORF-1 protein
Root_miRNA0002_3p ^b	108	90	0	0	AT3G30820	Retrotransposon ORF-1 protein
Leaf_miRNA0003_3p	0	3485	0	0	AT3G59230	F-box family protein
					AT5G27750	F-box family protein
Leaf_miRNA0004_5p	122	170	142	83	AT1G11580	Methylesterase PCR A (PMEPCRA)
Leaf_miRNA0005_5p	47	81	95	139	AT4G28010	Pentatricopeptide (PPR) repeat-containing protein
Leaf_miRNA0006_3p	0	0	364	315	AT1G62260	Pentatricopeptide (PPR) repeat-containing protein
Leaf_miRNA0007_5p	1920	0	0	0	AT1G58310	F-box family protein
					AT3G59230	F-box family protein
					AT4G00320	F-box family protein
					AT5G41840	F-box family protein

^{a,b} Novel miRNAs from Leaf and root represented by the same letter are identical. Numbers in bold mean significant changes in OE versus WT, p-value < 0.05 and fold change log₂ (OE/WT) ≥ 1 or fold change log₂ (OE/WT) ≤ -1. The reads cut off is 100 and all reads were normalized.