

Table S14. List of predicted miRNA-regulated ZmPP genes.

miRNA	Target Gene	Name	Score	Mismatches	Alignment
	GRMZM2G074489	<i>ZmPP152</i>	88	2.5	3' UCCGACAUGAGAGAGAGAAGA 5' : : :
zma-miR529-5p					5' AGGCUGUUCUUUUUUUCUUCU 3'
	GRMZM2G151087	<i>ZmPP47</i>	78	4	3' UCCGACAUGAGAGAGAGAAGA 5' : : : :
					5' GUGCUGUCUCUCUUGUUUCU 3'
	GRMZM2G038195	<i>ZmPP75</i>	86	3	3' GUCUCGAGGGAAGUUAGGUUU 5' : :
zma-miR159k-3p					5' CAGAACUCCUCAAUUCAC 3'
	GRMZM2G133464	<i>ZmPP88</i>	83	3.5	3' GUCUCGAGGGAAGUUAGGUUU 5' : : :
					5' CAGAACUCCUCAAUUCGAC 3'
zma-miR169m-5p					3' AUCCGUUCGGUAAGAACCGAU 5' : : : :
					5' UGGACUAGCCGUUCUUGGUUG 3'
	GRMZM2G136765	<i>ZmPP128</i>	82	4	3' GGA-ACUUGGUC-UGUUUGUUUG 5' : : :
zma-miR166j-5p					5' CCUCUGAAUAGUACAAACAAAU 3'
	GRMZM2G127374	<i>ZmPP16</i>	83	3	3' GUCCCGUCGAGAGGAAACCGU 5' : :
zma-miR399d-3p					5' CAUGGUAGCUUCCUUUGGAA 3'
	GRMZM2G161544	<i>ZmPP117</i>	75	4	3' ACAUCGGUUCUUGUUGAACGG 5' : : : :
zma-miR169a-3p					5' AGUAGCCGGGAA-AGCUUGUC 3'
	GRMZM2G127374	<i>ZmPP16</i>	80	3.5	3' GUCCCGUUGAGAGGAAACCGU 5' : : : :
zma-miR399i-3p					5' CAUGGUAGCUUCCUUUGGAA 3'
	GRMZM2G127374	<i>ZmPP16</i>	80	3.5	3' GUCCCGUUGAGAGGAAACCGU 5' : : : :
zma-miR399e-3p					5' CAUGGUAGCUUCCUUUGGAA 3'
	GRMZM2G038195	<i>ZmPP75</i>	86	3	3' GUCUCGAGGGAAGUUAGGUUU 5' : :
zma-miR159f-3p					5' CAGAACUCCUCAAUUCAC 3'
	GRMZM2G133464	<i>ZmPP88</i>	83	3.5	3' GUCUCGAGGGAAGUUAGGUUU 5' : : :
					5' CAGAACUCCUCAAUUCGAC 3'
zma-miR164f-3p					3' CAACCUCUCCUCGCGUGCAC 5' : :
					5' GGCGGAGGAGGAGCGCGGUG 3'
	GRMZM2G010855	<i>ZmPP6</i>	77	4	3' AUCCGUUCGGUAAGAACCGAU 5' : : : :
zma-miR169n-5p					5' UGGACUAGCCGUUCUUGGUUG 3'
	GRMZM2G109496	<i>ZmPP157</i>	75	4	3' ACACUAUAACCGUGCCGAGUU 5' : :
zma-miR171f-3p					5' UGUCAUACUGGUUCGGUCAA 3'
	GRMZM2G420926	<i>ZmPP150</i>	77	4	3' CUACUUUGACGUGUCGUACUAG 5' : : : :
zma-miR167e-3p					5' GAUGGAAC-GUACGGCAAGAUU 3'
	GRMZM2G161544	<i>ZmPP117</i>	77	3.5	3' GAAUCGGUUCUCCGGACGG 5' : : :
zma-miR169n-3p					5' CUUAGCUGGGAAGCUUGUC 3'
zma-miR160f-5p					3' GCCGUAUGUC-CCUCGGUCCGU 5' : : :

					5'	CGGUAUGUGAAGGAGCCAGGCA	3'
					3'	CGAUCGGUUCUUCUGGACGG	5'
zma-miR169o-3p	GRMZM5G818101	<i>ZmPP121</i>	77	3.5	: : :		
					5'	GCUGGCCGAGGAGGUCGGCC	3'
					3'	GGCCGUUCAGUAGGAACCGAC	5'
zma-miR169r-5p	GRMZM2G001243	<i>ZmPP127</i>	77	3.5	: : :		
					5'	CCGGCGGGU-AUUUUUGGUUG	3'
					3'	GUGU-GCACGGGACGAAGAGGU	5'
zma-miR164h-5p	GRMZM2G319357	<i>ZmPP14</i>	78	3.5	:		
					5'	CACAGCCUGCCCUCCUUCUCCG	3'
					3'	CUUGUCUACGACGUCCUCGAC	5'
					: :		
					5'	GCGCAGGAGCUGCAGGAGCCG	3'
					3'	CUUG-UCUACGACGUCCUCG-AC	5'
					:		
zma-miR159e-5p	GRMZM2G161544	<i>ZmPP117</i>	78	3.5			
					5'	GAGCCAGCUGCUGCAGGAGCCUG	3'
					3'	CUUGUCUACG-ACGUCCUCGAC	5'
zma-miR159e-5p	GRMZM2G028700	<i>ZmPP11</i>	75	4	:		
					5'	GGACACAUGGAUGCAGGAGUUG	3'
					3'	CUUGUCUACG-ACGUCCUCGAC	5'
					:		
					5'	GGACACAUGGAUGCAGGAGUUG	3'
					3'	AUCCGUACCUCCGUAACCCUU	5'
zma-miR2118f	GRMZM2G119079	<i>ZmPP140</i>	86	3	: :		
					5'	GAGGCGUGGAGGG-AUUGGGAA	3'
					3'	UAAGGUUCCCUAACGUGACUG	5'
zma-miR393c-3p	GRMZM2G003640	<i>ZmPP20</i>	80	4	: :		
					5'	AGUCCCAGGGGAUAGCACUGAU	3'
					3'	ACAUCGGUUCUUGUUGAACGG	5'
zma-miR169b-3p	GRMZM2G161544	<i>ZmPP117</i>	75	4	:		
					5'	AGUAGCCGGGAA-AGCUUGUC	3'
					3'	AUCCGUUCGGUAAGAACCGAU	5'
zma-miR169q-5p	GRMZM2G010855	<i>ZmPP6</i>	77	4	:		
					5'	UGGACUAGCCGUUCUUGGUUG	3'
					3'	GUCUCGAGGGAAGUUAGGUUU	5'
					:		
zma-miR159a-3p	GRMZM2G038195	<i>ZmPP75</i>	86	3			
					5'	CAGAACUCCUCAAUUCAC	3'
					3'	GUCUCGAGGGAAGUUAGGUUU	5'
					:		
					5'	CAGAACUCCUCAAUUCGAC	3'
					3'	GUC-AAGUU-C-UUUCGACACCUU	5'
					5'	CAGAUUCAGUGUAAAGCUGUGGAA	3'
					3'	GUC-AAGUU-C-UUUCGACACCUU	5'
zma-miR396a-5p	GRMZM2G338631	<i>ZmPP73</i>	78	3.5			
					5'	CAGAUUCAGUGUAAAGCUGUGGAA	3'
					3'	GUC-AAGUU-C-UUUCGACACCUU	5'
					5'	CAGAUUCAGUGUAAAGCUGUGGAA	3'
					3'	GUC-AAGUU-C-UUUCGACACCUU	5'
					5'	CAGAUUCAGUGUAAAGCUGUGGAA	3'
					3'	AUCCUUACUCUCCGUAGUCCUU	5'
zma-miR2118a	GRMZM2G081359	<i>ZmPP64</i>	80	4	:		
					5'	AAGGGGUGAGAGGCA-CGGGGA	3'
					3'	ACACGAGAGAGAGAAGACAGU	5'
zma-miR156j-5p	GRMZM2G158734	<i>ZmPP137</i>	81	4			
					5'	ACUGCUCUCUUUCUUCUGGUA	3'

	GRMZM2G019819	<i>ZmPP31</i>	75	3.5	3'	CUACCUCUCCUCUUGUGCAC	5'
						: :	
					5'	GA-GGAGGAGGAGCGCGUG	3'
	GRMZM2G082487	<i>ZmPP39</i>	75	4	3'	CUACCUCUCCUCUUGUG-CAC	5'
						: :	
					5'	GAGGGAGAUGGAGGACGCCGUG	3'
zma-miR164a-3p	GRMZM5G818101	<i>ZmPP121</i>	78	4	3'	CUACCUCUCCUCUUGUGCAC	5'
						: :	
					5'	GAGGGAGAUGGAGGACCGUU	3'
	GRMZM2G159811	<i>ZmPP154</i>	77	4	3'	CUACCUCUCCUCUUGUGCAC	5'
						: : :	
					5'	GGCGGAGGAGGAGCGCGUG	3'
	GRMZM2G038195	<i>ZmPP75</i>	86	3	3'	GUCUCGAGGGAAGUUAGGUUU	5'
						: :	
					5'	CAGAACUCCUCAAUUAAC	3'
zma-miR159b-3p	GRMZM2G133464	<i>ZmPP88</i>	83	3.5	3'	GUCUCGAGGGAAGUUAGGUUU	5'
						: : :	
					5'	CAGAACUCCUCAAUUCGAC	3'
	GRMZM2G360455	<i>ZmPP85</i>	75	4	3'	AGACUCACUCGGCUCGGUUGU	5'
zma-miR171d-5p						: :	
					5'	UCUGACUUUGCUGGGCCAACA	3'
	GRMZM2G003096	<i>ZmPP46</i>	75	4	3'	ACAAACGACUACCAGUAGAUU	5'
zma-miR827-3p						: :	
					5'	UGUCUAUUGGUGCUAUCUAA	3'
	GRMZM2G001243	<i>ZmPP127</i>	77	3.5	3'	GGCCGUUCAGUAGGAACCGAC	5'
zma-miR169c-5p						: : :	
					5'	CCGGCGGGU-AUUUUUGGUUG	3'
	GRMZM2G067910	<i>ZmPP70</i>	76	3.5	3'	GAGUGCACAGGACGAAGAGGU	5'
zma-miR164e-5p						:	
					5'	CUC-CGUUUCUUGCUUCUCCU	3'
	AC155624.2_FG006	<i>ZmPP2</i>	75	3.5	3'	GUCCUGUCGAGAGGAAACCGU	5'
						: : :	
					5'	CAGGACGGU-CUCCUCUGGUA	3'
	GRMZM5G891266	<i>ZmPP4</i>	75	3.5	3'	GUCCUGUCGAGAGGAAACCGU	5'
						: : :	
					5'	CAGGACGGU-CUCCUCUGGUA	3'
	GRMZM5G833774	<i>ZmPP3</i>	75	3.5	3'	GUCCUGUCGAGAGGAAACCGU	5'
zma-miR399b-3p						: : :	
					5'	CAGGACGGU-CUCCUCUGGUA	3'
	GRMZM2G010017	<i>ZmPP151</i>	78	3	3'	GUCCUGUCGAGAGGAAACCGU	5'
						: :	
					5'	CAGGACGGC-CUCCUCUGGUA	3'
	GRMZM2G127374	<i>ZmPP16</i>	80	3.5	3'	GUCCUGUCGAGAGGAAACCGU	5'
						: : :	
					5'	CAUGGUAGCUUCCUUUGGAA	3'
	GRMZM2G319357	<i>ZmPP14</i>	75	4	3'	CUCCU-UACUUCGACCAGGCU	5'
zma-miR166m-3p						: :	
					5'	GAGGACAGGAGGCCUCGUCCGG	3'
	GRMZM2G360455	<i>ZmPP85</i>	75	4	3'	AGACUCACUCGGCUCGGUUGU	5'
zma-miR171e-5p						: :	
					5'	UCUGACUUUGCUGGGCCAACA	3'
	GRMZM2G038195	<i>ZmPP75</i>	86	3	3'	GUCUCGAGGGAAGUUAGGUUU	5'
						: :	
					5'	CAGAACUCCUCAAUUAAC	3'
zma-miR159j-3p	GRMZM2G133464	<i>ZmPP88</i>	83	3.5	3'	GUCUCGAGGGAAGUUAGGUUU	5'

					: : :
					5' CAGAACUCCUCAAUUCGAC 3'
					3' GUCCCGUUGAGAGGAAACCGU 5'
					: : :
					5' CAUGGUAGCUUCCUUUGGAA 3'
					3' GUC-AAGUU-C-UUUCGACACCUU 5'
					:
					5' CAGAUUCAGUGUAAAGCUGUGGAA 3'
					3' GUC-AAGUU-C-UUUCGACACCUU 5'
					:
					5' CAGAUUCAGUGUAAAGCUGUGGAA 3'
					3' GUC-AAGUU-C-UUUCGACACCUU 5'
					:
					5' CAGAUUCAGUGUAAAGCUGUGGAA 3'
					3' CUCCU-UACUUCGGACCAGGCU 5'
					: :
					5' GAGGACAGGAGGCCUCGUCCGG 3'
					3' UAAGGUUCCCUAACGUGACUA 5'
					:
					5' AGUCCCGAGGGAUAGCACUGAU 3'
					3' UACCUCUCCUCUGGUGCAC 5'
					: : : :
					5' AUGAGGAAGGAGGCCGUGUA 3'
