

Table S2: List of differentially expressed miRNA in *msh1* mutants.

Sample	Change	miRNA	Isoform	Log2 Fold-Change	FDR
<i>msh1</i> -/- S1	↑	miR156	<i>ath-MIR156h</i>	1.169231	0.024851
<i>msh1</i> -/- S2	↑	miR156	<i>ath-MIR156h</i>	1.415798	0.007679
Variegated	↑	miR163	<i>ath-MIR163</i>	1.346875	6.80E-05
	↓	miR169	<i>ath-MIR169d</i>	-2.386886	1.04E-06
			<i>ath-MIR169f</i>	-1.998744	5.52E-06
			<i>ath-MIR169i</i>	-1.321957	0.001224
			<i>ath-MIR169j</i>	-1.854955	1.38E-06
			<i>ath-MIR169k</i>	-1.592382	2.98E-05
			<i>ath-MIR169m</i>	-1.054887	0.000714
			<i>ath-MIR169n</i>	-1.026708	0.007995
	↓	miR170	<i>ath-MIR170</i>	-1.228770	7.29E-05
	↓	miR171	<i>ath-MIR171a</i>	-1.205889	3.43E-05
	↓	miR319	<i>ath-MIR319b</i>	-1.008238	0.023412
	↑	miR391	<i>ath-MIR391</i>	1.024847	0.000852
	↑	miR393	<i>ath-MIR393a</i>	1.442981	4.55E-07
<i>msh1</i> -/- S2	↑	miR156	<i>ath-MIR156h</i>	1.399427	0.008202
Variegated & Dwarf	↓	miR157	<i>ath-MIR157a</i>	-1.238108	4.66E-06
			<i>ath-MIR157b</i>	-1.231814	4.66E-06
			<i>ath-MIR157c</i>	-1.231421	1.58E-07
			<i>ath-MIR157d</i>	-1.076982	0.001785
	↑	miR163	<i>ath-MIR163</i>	1.807864	1.58E-07
	↓	miR164	<i>ath-MIR164a</i>	-1.230016	4.55E-07
	↑	miR167	<i>ath-MIR167c</i>	1.493322	0.001259
	↓	miR169	<i>ath-MIR169d</i>	-1.907430	7.24E-05
			<i>ath-MIR169f</i>	-2.166079	1.13E-06
			<i>ath-MIR169h</i>	-1.210141	0.003284
			<i>ath-MIR169i</i>	-1.798171	2.79E-05
			<i>ath-MIR169j</i>	-2.357833	1.13E-08
			<i>ath-MIR169k</i>	-2.252936	3.83E-08
			<i>ath-MIR169m</i>	-1.990628	1.13E-08
			<i>ath-MIR169n</i>	-1.565536	0.000151
	↑	miR172	<i>ath-MIR172a</i>	1.006121	0.001715
	↑	miR391	<i>ath-MIR391</i>	1.153562	0.000196
	↓	miR398	<i>ath-MIR398b</i>	-1.982932	0.000216
			<i>ath-MIR398c</i>	-1.983621	0.000216
	↑	miR399	<i>ath-MIR399c</i>	1.126556	0.000925
	↑	miR837	<i>ath-MIR837</i>	1.452763	0.005125
	↑	miR844	<i>ath-MIR844</i>	1.289824	0.000158
	↑	miR846	<i>ath-MIR846</i>	1.141940	0.000552
	↑	miR5663	<i>ath-MIR5663</i>	1.106874	7.24E-05