

Supplementary Table S1. Structure of Arabidopsis *MIR* genes described in this paper. Presented data are derived from Arabidopsis *MIR* genes described in mirEX2 platform [89]. E – exon and I – intron following by the number of the exon or intron, respectively.

<i>MIRNA</i>	miRNA Sequence	Independent transcriptional unit	Localization	Intron numbers	Locus/Host gene
<b>miRNA156a</b>	UGACAGAAGAGAGUGAGCAC	Yes	E2	3	AT2G25095.1/-
<b>miRNA156c</b>	UGACAGAAGAGAGUGAGCAC	Yes	E1	2	AT4G31877.1/-
<b>miRNA156d</b>	UGACAGAAGAGAGUGAGCAC	No	I1	1	-/AT5G10946.1
<b>miRNA156f</b>	UGACAGAAGAGAGUGAGCAC	No	I1	2	-/AT5G26146.1
<b>miRNA157a</b>	UUGACAGAAGAUAGAGAGCAC	Yes	E1	0	AT1G66783.1/-
<b>miRNA157b</b>	UUGACAGAAGAUAGAGAGCAC	Yes	E1	1	AT1G66795.1/-
<b>miRNA157c</b>	UUGACAGAAGAUAGAGAGCAC	Yes	E1	1	AT3G18217.1/-
<b>miRNA158a</b>	UCCCAAUUGUAGACAAAGCA	Yes	E1	1	AT3G10745.1/-
<b>miRNA159a</b>	UUUGGAUUGAAGGGAGCUCUA	Yes	E1	0	AT1G73687.1/-
<b>miRNA159b</b>	UUUGGAUUGAAGGGAGCUCUU	Yes	E1	0	AT1G18075.4/-
<b>miRNA160a</b>	UGCCUGGCUCCUGUAUGCCA	Yes	E1	1	AT2G39175.1/-
<b>miRNA160b</b>	UGCCUGGCUCCUGUAUGCCA	Yes	E1	0	AT4G17788.1/-
<b>miRNA160c</b>	UGCCUGGCUCCUGUAUGCCA	Yes	E1	0	AT5G46845.1/-
<b>miRNA161.1</b>	UGAAAGUGACUACAUCGGGGU	Yes	E1	1	AT1G48267.1/-
<b>miRNA161.2</b>	UCAAUGCAUUGAAAGUGACUA	Yes	E1	1	AT1G48267.1/-
<b>miRNA163</b>	UUGAAGAGGACUUGGAACUUCGAU	Yes	E1	1	AT1G66725.1/-
<b>miRNA164b</b>	UGGAGAAGCAGGGCACGUGCA	Yes	E1	2	AT5G01747.1/-
<b>miRNA164c</b>	UGGAGAAGCAGGGCACGUGCG	Yes	E1	0	AT5G27807.1/-
<b>miRNA166a</b>	UCGGACCAGGCUUCAUUCUCCC	Yes	E1	1	AT2G46685.1/-
<b>miRNA166b</b>	UCGGACCAGGCUUCAUUCUCCC	Yes	E1	2	AT3G61897.2/-
<b>miRNA172a</b>	AGAAUCUUGAUGAUGCUGCAU	Yes	E1	2	AT2G28056.1/-
<b>miRNA172b-5p</b>	GCAGCACCAUUAAGAUUCAC	Yes	E2	2	AT5G04275.1/-
<b>miRNA172e</b>	GGAUUCUUGAUGAUGCUGCAU	Yes	E1	0	AT5G59505.1/-
<b>miRNA173-5p</b>	UUCGCUUGCAGAGAGAAUUCAC	Yes	E1	0	AT3G23125.1/-
<b>miRNA319b</b>	UUGGACUGAAGGGAGCUCCCU	Yes	E1	0	AT5G41663.1/-
<b>miRNA395f</b>	CUGAAGUGUUUGGGGGGACUC	Yes	E1	0	AT1G69797.3/-
<b>miRNA399a</b>	UGCCAAAGGAGAUUUGCCCUUG	Yes	E1	1	AT1G29265.2/-
<b>miRNA399b</b>	UGCCAAAGGAGAGUUGCCCUUG	Yes	E1	1	AT1G63005.2/-
<b>miRNA399d</b>	UGCCAAAGGAGAUUUGCCCCG	Yes	E1	0	AT2G34202.1/-
<b>miRNA402</b>	UUCGAGGCCUAUUAACCCUCUG	No	I1	4	-/AT1G77230.1