

Supplementary Table S1: Plant microRNAs reported to be regulated by low temperature stress (source PASmiR ; <http://pcsb.ahau.edu.cn:8080/PASmiR/>)

Sr. No.	Plant species	miRNA	miRNA Regulation	Reference
1	<i>Arabidopsis thaliana</i>	ath-miR159	up-regulated	Reyes and Chua (2007)
2	<i>Arabidopsis thaliana</i>	ath-miR417	up-regulated	(Jung and Kang 2007)
3	<i>Arabidopsis thaliana</i>	ath-miR156g	up-regulated	Lee et al. (2010)
4	<i>Arabidopsis thaliana</i>	ath-miR163a	down-regulated	Lee et al. (2010)
5	<i>Arabidopsis thaliana</i>	ath-miR169b	up-regulated	Lee et al. (2010)
6	<i>Arabidopsis thaliana</i>	ath-miR172a	down-regulated	Lee et al. (2010)
7	<i>Arabidopsis thaliana</i>	ath-miR398b	down-regulated	Lee et al. (2010)
8	<i>Arabidopsis thaliana</i>	ath-miR399a	down-regulated	Lee et al. (2010)
9	<i>Arabidopsis thaliana</i>	ath-miR156	up-regulated	Zhou et al. (2008)
10	<i>Arabidopsis thaliana</i>	ath-miR157	up-regulated	Zhou et al. (2008)
11	<i>Arabidopsis thaliana</i>	ath-miR164	up-regulated	Zhou et al. (2008)
12	<i>Arabidopsis thaliana</i>	ath-miR165	up-regulated	Zhou et al. (2008)
13	<i>Arabidopsis thaliana</i>	ath-miR166	up-regulated	Zhou et al. (2008)
14	<i>Arabidopsis thaliana</i>	ath-miR169	up-regulated	Zhou et al. (2008)
15	<i>Arabidopsis thaliana</i>	ath-miR172	up-regulated	Zhou et al. (2008)
16	<i>Arabidopsis thaliana</i>	ath-miR319	up-regulated	Zhou et al. (2008)
17	<i>Arabidopsis thaliana</i>	ath-miR393	up-regulated	Zhou et al. (2008)
18	<i>Arabidopsis thaliana</i>	ath-miR394	up-regulated	Zhou et al. (2008)
19	<i>Arabidopsis thaliana</i>	ath-miR396	up-regulated	Zhou et al. (2008)
20	<i>Arabidopsis thaliana</i>	ath-miR397	up-regulated	Zhou et al. (2008)
21	<i>Arabidopsis thaliana</i>	ath-miR398	up-regulated	Zhou et al. (2008)
22	<i>Arabidopsis thaliana</i>	ath-miR402	up-regulated	Zhou et al. (2008)
23	<i>Arabidopsis thaliana</i>	ath-miR157a	down-regulated	Byun et al. (2009)
24	<i>Arabidopsis thaliana</i>	ath-miR162a	down-regulated	Byun et al. (2009)
25	<i>Arabidopsis thaliana</i>	ath-miR163a	up-regulated	Byun et al. (2009)
26	<i>Arabidopsis thaliana</i>	ath-miR166f	down-regulated	Byun et al. (2009)
27	<i>Arabidopsis thaliana</i>	ath-miR167d	down-regulated	Byun et al. (2009)
28	<i>Arabidopsis thaliana</i>	ath-miR319b	down-regulated	Byun et al. (2009)
29	<i>Arabidopsis thaliana</i>	ath-miR393b	down-regulated	Byun et al. (2009)
30	<i>Arabidopsis thaliana</i>	ath-miR394b	up-regulated	Byun et al. (2009)
31	<i>Arabidopsis thaliana</i>	ath-miR165	up-regulated	Liu et al. (2008)
32	<i>Arabidopsis thaliana</i>	ath-miR168	up-regulated	Liu et al. (2008)
33	<i>Arabidopsis thaliana</i>	ath-miR169	up-regulated	Liu et al. (2008)
34	<i>Arabidopsis thaliana</i>	ath-miR171	up-regulated	Liu et al. (2008)
35	<i>Arabidopsis thaliana</i>	ath-miR172	up-regulated	Liu et al. (2008)
36	<i>Arabidopsis thaliana</i>	ath-miR319	up-regulated	Liu et al. (2008)
37	<i>Arabidopsis thaliana</i>	ath-miR393	up-regulated	Liu et al. (2008)
38	<i>Arabidopsis thaliana</i>	ath-miR396	up-regulated	Liu et al. (2008)
39	<i>Arabidopsis thaliana</i>	ath-miR397	up-regulated	Liu et al. (2008)
40	<i>Arabidopsis thaliana</i>	ath-miR408	up-regulated	Liu et al. (2008)
41	<i>Arabidopsis thaliana</i>	ath-miR319c	up-regulated	Sunkar and Zhu (2004)
42	<i>Arabidopsis thaliana</i>	ath-miR393	up-regulated	Sunkar and Zhu (2004)
43	<i>Arabidopsis thaliana</i>	ath-miR156	up-regulated	Kim et al. (2011)
44	<i>Arabidopsis thaliana</i>	ath-miR399b	up-regulated	Kim et al. (2011)
45	<i>Arabidopsis thaliana</i>	ath-miR399	up-regulated	Tang et al. (2012)
46	<i>B. distachyon</i>	bdi-miR172	up-regulated	Zhang et al. (2009)
47	<i>B. distachyon</i>	bdi-miR397	up-regulated	Zhang et al. (2009)
48	<i>Helianthus annuus</i>	han-miR396	up-regulated	Giacomelli et al. (2012)
49	<i>Oryza sativa</i>	osa-miR156	down-regulated	Shen et al. (2010)

50	<i>Oryza sativa</i>	osa-miR167	down-regulated	Shen et al. (2010)
51	<i>Oryza sativa</i>	osa-miR169	down-regulated	Shen et al. (2010)
52	<i>Oryza sativa</i>	osa-miR319	down-regulated	Shen et al. (2010)
53	<i>Oryza sativa</i>	osa-miR1866	down-regulated	Barrera-Figueroa et al. (2012)
54	<i>Oryza sativa</i>	osa-miR1867	down-regulated	Barrera-Figueroa et al. (2012)
55	<i>Oryza sativa</i>	osa-miR2275d	up-regulated	Barrera-Figueroa et al. (2012)
56	<i>Oryza sativa</i>	osa-miR394	up-regulated	Barrera-Figueroa et al. (2012)
57	<i>Oryza sativa</i>	osa-miR396c	up-regulated	Barrera-Figueroa et al. (2012)
58	<i>Oryza sativa</i>	osa-miR393	up-regulated	Xia et al. (2012)
59	<i>Oryza sativa</i>	osa-miR1320	down-regulated	Lv et al. (2010)
60	<i>Oryza sativa</i>	osa-miR1435	up-regulated	Lv et al. (2010)
61	<i>Oryza sativa</i>	osa-miR156	down-regulated	Lv et al. (2010)
62	<i>Oryza sativa</i>	osa-miR166k	up-regulated	Lv et al. (2010)
63	<i>Oryza sativa</i>	osa-miR166m	up-regulated	Lv et al. (2010)
64	<i>Oryza sativa</i>	osa-miR167	down-regulated	Lv et al. (2010)
65	<i>Oryza sativa</i>	osa-miR168	down-regulated	Lv et al. (2010)
66	<i>Oryza sativa</i>	osa-miR169	down-regulated	Lv et al. (2010)
67	<i>Oryza sativa</i>	osa-miR171	down-regulated	Lv et al. (2010)
68	<i>Oryza sativa</i>	osa-miR1850	up-regulated	Lv et al. (2010)
69	<i>Oryza sativa</i>	osa-miR1868	up-regulated	Lv et al. (2010)
70	<i>Oryza sativa</i>	osa-miR1876	down-regulated	Lv et al. (2010)
71	<i>Oryza sativa</i>	osa-miR1884	down-regulated	Lv et al. (2010)
72	<i>Oryza sativa</i>	osa-miR319	down-regulated	Lv et al. (2010)
73	<i>Oryza sativa</i>	osa-miR444	down-regulated	Lv et al. (2010)
74	<i>Oryza sativa</i>	osa-miR535	up-regulated	Lv et al. (2010)
75	<i>Phalaenopsis aphrodite</i>	pap-miR156	up-regulated	An et al. (2011)
76	<i>Phalaenopsis aphrodite</i>	pap-miR162	up-regulated	An et al. (2011)
77	<i>Phalaenopsis aphrodite</i>	pap-miR168	up-regulated	An et al. (2011)
78	<i>Phalaenopsis aphrodite</i>	pap-miR396	up-regulated	An et al. (2011)
79	<i>Phalaenopsis aphrodite</i>	pap-miR528	up-regulated	An et al. (2011)
80	<i>Phalaenopsis aphrodite</i>	pap-miR535	up-regulated	An et al. (2011)
81	<i>Phalaenopsis aphrodite</i>	pap-miR894	up-regulated	An et al. (2011)
82	<i>Phaseolus vulgaris</i>	pvu-miR2118	up-regulated	Arenas-Huertero et al. (2009)
83	<i>Populus tomentosa</i>	pto-miR1450	up-regulated	Chen et al. (2012)
84	<i>Populus tomentosa</i>	pto-miR167	up-regulated	Chen et al. (2012)
85	<i>Populus tomentosa</i>	pto-miR169	down-regulated	Chen et al. (2012)
86	<i>Populus tomentosa</i>	pto-miR171	up-regulated	Chen et al. (2012)
87	<i>Populus tomentosa</i>	pto-miR319	down-regulated	Chen et al. (2012)
88	<i>Populus tomentosa</i>	pto-miR395	down-regulated	Chen et al. (2012)
89	<i>Populus trichocarpa</i>	ptc-miR156	down-regulated	Lu et al. (2008)
90	<i>Populus trichocarpa</i>	ptc-miR160	up-regulated	v
91	<i>Populus trichocarpa</i>	ptc-miR164	up-regulated	Lu et al. (2008)
92	<i>Populus trichocarpa</i>	ptc-miR168a	up-regulated	Lu et al. (2008)
93	<i>Populus trichocarpa</i>	ptc-miR168b	up-regulated	Lu et al. (2008)
94	<i>Populus trichocarpa</i>	ptc-miR169	up-regulated	Lu et al. (2008)
95	<i>Populus trichocarpa</i>	ptc-miR390	up-regulated	Lu et al. (2008)
96	<i>Populus trichocarpa</i>	ptc-miR393	up-regulated	Lu et al. (2008)
97	<i>Populus trichocarpa</i>	ptc-miR394a	up-regulated	Lu et al. (2008)
98	<i>Populus trichocarpa</i>	ptc-miR394b	up-regulated	Lu et al. (2008)
99	<i>Populus trichocarpa</i>	ptc-miR395b	up-regulated	Lu et al. (2008)
100	<i>Populus trichocarpa</i>	ptc-miR396f	up-regulated	Lu et al. (2008)
101	<i>Populus trichocarpa</i>	ptc-miR474b	up-regulated	Lu et al. (2008)
102	<i>Populus trichocarpa</i>	ptc-miR474c	up-regulated	Lu et al. (2008)

103	<i>Populus trichocarpa</i>	ptc-miR475a	up-regulated	Lu et al. (2008)
104	<i>Populus trichocarpa</i>	ptc-miR475b	up-regulated	Lu et al. (2008)
105	<i>Populus trichocarpa</i>	ptc-miR476a	up-regulated	Lu et al. (2008)
106	<i>Populus trichocarpa</i>	ptc-miR477a	up-regulated	Lu et al. (2008)
107	<i>Populus trichocarpa</i>	ptc-miR477b	up-regulated	Lu et al. (2008)
108	<i>Prunus persica</i>	ppe-miR156	up-regulated	Barakat et al. (2012)
109	<i>Prunus persica</i>	ppe-miR159	up-regulated	Barakat et al. (2012)
110	<i>Prunus persica</i>	ppe-miR166	up-regulated	Barakat et al. (2012)
111	<i>Prunus persica</i>	ppe-miR172	up-regulated	Barakat et al. (2012)
112	<i>Prunus persica</i>	ppe-miR390	up-regulated	Barakat et al. (2012)
113	<i>Prunus persica</i>	ppe-miR396	up-regulated	Barakat et al. (2012)
114	<i>Saccharum spp</i>	spp-miR319	up-regulated	Thiebaut et al. (2012)
115	<i>Triticum aestivum</i>	tae-miR167c	up-regulated	Tang et al. (2012)
116	<i>Triticum aestivum</i>	tae-miR167d	up-regulated	Tang et al. (2012)
117	<i>Triticum aestivum</i>	tae-miR167e	up-regulated	Tang et al. (2012)
118	<i>Triticum aestivum</i>	tae-miR172a	down-regulated	Tang et al. (2012)
119	<i>Triticum aestivum</i>	tae-miR393	down-regulated	Tang et al. (2012)
120	<i>Triticum aestivum</i>	tae-miR396a	down-regulated	Tang et al. (2012)
121	<i>Triticum aestivum</i>	tae-miR444c	down-regulated	Tang et al. (2012)

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