

Table 1 Suppl. The circRNAs with different expression levels between the tomato seeds germinated at control (C, 26 °C) and high temperature (H, 36 °C)

No.	CircRNA name	CircRNA ID	C1 count	C2 count	C3 count	H1 count	H2 count	H3 count	P value	FDR	Log ₂ (fold change)	Regulation
1	Sl_ciR16	1:950146 952323	0	10	7	23	21	28	0.03507	0.36124	2.11627	up
2	Sl_ciR20	1:978218 978873	0	0	0	8	5	3	0.03303	0.35809	Inf	up
3	Sl_ciR21	1:987993 988988	11	34	28	111	70	46	0.00118	0.06792	1.54491	up
4	Sl_ciR93	1:6462808 6464408	41	50	33	182	127	110	0.00001	0.00078	1.69585	up
5	Sl_ciR114	1:43301186 43301878	46	32	16	0	16	0	0.00403	0.13111	-2.70316	down
6	Sl_ciR192	1:77848007 77849758	0	0	0	19	26	10	0.00042	0.03510	Inf	up
7	Sl_ciR217	1:79409311 79410342	57	93	48	252	173	174	0.00000	0.00015	1.56080	up
8	Sl_ciR289	1:83500851 83501856	4	7	3	0	0	0	0.03451	0.36124	-Inf	down
9	Sl_ciR294	1:83540892 83541183	0	0	0	22	8	6	0.00569	0.13295	Inf	up
10	Sl_ciR349	1:86106056 86106704	4	7	10	0	0	0	0.02201	0.28770	-Inf	down
11	Sl_ciR365	1:86512179 86512804	33	43	40	8	0	23	0.00436	0.13262	-1.73350	down
12	Sl_ciR504	1:92892772 92899864	0	0	0	9	6	15	0.00891	0.19036	Inf	up
13	Sl_ciR531	1:94484383 94487046	10	18	31	80	56	27	0.01178	0.21275	1.33120	up
14	Sl_ciR583	1:97959539 97960266	33	41	25	101	85	36	0.01777	0.26587	1.05302	up
15	Sl_ciR602	10:435535 437211	5	37	12	0	0	0	0.00324	0.12104	-Inf	down
16	Sl_ciR714	10:58199700 58200682	28	47	50	38	8	10	0.04497	0.42575	-1.29736	down
17	Sl_ciR728	10:58657582 58659666	5	24	14	0	0	0	0.00168	0.07835	-Inf	down
18	Sl_ciR729	10:58658191 58659219	6	8	12	0	0	0	0.01358	0.22580	-Inf	down
19	Sl_ciR735	10:59184946 59190806	0	0	0	7	17	11	0.00530	0.13262	Inf	up
20	Sl_ciR751	10:60865503 60865846	6	0	0	26	27	7	0.01337	0.22580	3.14207	up
21	Sl_ciR924	11:6210415 6211030	24	62	27	20	3	8	0.01110	0.21275	-1.93404	down
22	Sl_ciR929	11:6543350 6548992	4	5	6	0	0	0	0.03381	0.36124	-Inf	down
23	Sl_ciR959	11:9793153 9796267	0	0	0	11	9	4	0.01913	0.27000	Inf	up
24	Sl_ciR962	11:10694962 10697013	15	0	0	26	26	22	0.02231	0.28770	2.22320	up
25	Sl_ciR1040	11:48771656 48774892	5	4	5	0	0	0	0.03555	0.36124	-Inf	down
26	Sl_ciR1068	11:51235651 51238627	9	7	8	0	0	0	0.01669	0.26015	-Inf	down
27	Sl_ciR1090	11:52959123 52960176	22	34	41	0	22	9	0.02281	0.28924	-1.65425	down
28	Sl_ciR1206	12:3134942 3135594	0	0	0	5	8	12	0.01607	0.25568	Inf	up
29	Sl_ciR1424	12:67139390 67139997	6	15	13	0	0	0	0.00532	0.13262	-Inf	down
30	Sl_ciR1458	2:20822830 20825544	9	7	14	0	0	0	0.00847	0.18645	-Inf	down
31	Sl_ciR1495	2:33581778 33582311	16	21	16	0	0	0	0.00035	0.03226	-Inf	down
32	Sl_ciR1582	2:42959325 42960113	12	8	7	0	0	0	0.01220	0.21275	-Inf	down
33	Sl_ciR1755	2:53580399 53581188	4	0	13	34	20	37	0.00568	0.13295	2.37353	up
34	Sl_ciR1772	2:54932573 54933227	18	6	23	91	52	62	0.00010	0.01212	2.04244	up
35	Sl_ciR1831	3:2927940 2932099	43	58	0	123	87	68	0.00195	0.08586	1.41870	up
36	Sl_ciR1848	3:3785197 3786267	28	49	30	0	0	0	0.00000	0.00000	-Inf	down
37	Sl_ciR1883	3:13204581 13207936	16	12	21	38	51	34	0.04332	0.41545	1.26425	up

38	SI_ciR2124	3:67824454 67828308	0	0	0	12	14	4	0.01098	0.21275	Inf	up
39	SI_ciR2177	3:70604223 70605829	0	0	0	6	5	7	0.03081	0.34398	Inf	up
40	SI_ciR2268	4:11575732 11588798	58	42	48	17	20	21	0.01192	0.21275	-1.36475	down
41	SI_ciR2330	4:45252784 45257357	0	0	0	21	8	8	0.00482	0.13262	Inf	up
42	SI_ciR2406	4:55859773 55860260	0	0	0	10	20	7	0.00465	0.13262	Inf	up
43	SI_ciR2436	4:60065839 60066532	12	16	18	0	0	0	0.00100	0.06215	-Inf	down
44	SI_ciR2587	5:2407657 2407943	0	0	0	35	43	33	0.00000	0.00000	Inf	up
45	SI_ciR2626	5:4707149 4709453	3	4	9	0	0	0	0.03228	0.35509	-Inf	down
46	SI_ciR2670	5:9765757 9766378	9	5	11	0	0	0	0.01500	0.24386	-Inf	down
47	SI_ciR2781	5:64465721 64466113	0	17	0	53	14	31	0.01037	0.21275	2.56650	up
48	SI_ciR2793	5:64816452 64816923	30	28	23	105	69	54	0.00253	0.10517	1.40863	up
49	SI_ciR2830	6:738514 739438	0	0	0	11	14	13	0.00362	0.12318	Inf	up
50	SI_ciR2909	6:27145616 27153021	49	0	43	121	55	65	0.02762	0.32788	1.26861	up
51	SI_ciR2921	6:31065740 31066076	13	12	8	0	0	0	0.00598	0.13554	-Inf	down
52	SI_ciR2964	6:36065972 36070035	20	12	13	6	0	0	0.04096	0.40311	-3.19564	down
53	SI_ciR2979	6:37875683 37876694	9	9	9	0	0	0	0.01223	0.21275	-Inf	down
54	SI_ciR2991	6:38387519 38392939	6	15	16	0	0	0	0.00360	0.12318	-Inf	down
55	SI_ciR3009	6:40387259 40387508	2	0	0	3	16	12	0.04293	0.41545	3.94562	up
56	SI_ciR3043	6:42080914 42084197	4	21	30	0	7	0	0.02716	0.32771	-3.12594	down
57	SI_ciR3180	7:230400 238546	0	0	0	44	50	26	0.00000	0.00000	Inf	up
58	SI_ciR3195	7:482888 486242	6	12	2	0	0	0	0.02378	0.29642	-Inf	down
59	SI_ciR3200	7:651204 651918	91	68	93	19	36	26	0.00018	0.01958	-1.66654	down
60	SI_ciR3225	7:1722454 1723700	5	5	7	0	0	0	0.03010	0.34116	-Inf	down
61	SI_ciR3288	7:7473443 7475769	3	12	7	0	0	0	0.02019	0.27972	-Inf	down
62	SI_ciR3304	7:10388413 10389018	4	17	7	0	0	0	0.01126	0.21275	-Inf	down
63	SI_ciR3312	7:21380917 21381396	8	13	13	0	0	0	0.00526	0.13262	-Inf	down
64	SI_ciR3418	7:62096067 62096482	16	30	34	0	9	16	0.03770	0.37598	-1.52666	down
65	SI_ciR3568	8:4159940 4160648	0	0	0	26	8	12	0.00147	0.07330	Inf	up
66	SI_ciR3623	8:38143018 38143425	8	2	24	0	0	0	0.01905	0.27000	-Inf	down
67	SI_ciR3660	8:54212037 54212838	30	17	38	0	0	11	0.00142	0.07330	-2.67593	down
68	SI_ciR3686	8:56908325 56914419	8	5	8	0	0	0	0.02201	0.28770	-Inf	down
69	SI_ciR3829	8:65167593 65172584	60	60	45	43	20	16	0.02977	0.34116	-1.17160	down
70	SI_ciR3879	9:1962676 1963194	7	5	11	0	0	0	0.01833	0.26886	-Inf	down
71	SI_ciR3982	9:31892651 31893454	2	4	15	0	0	0	0.03574	0.36124	-Inf	down
72	SI_ciR4150	9:72399686 72399945	187	211	179	0	172	0	0.00519	0.13262	-1.89473	down
73	SI_ciR4161	SL2.40sc06396:147387 131	29	9	6	0	0	10	0.02878	0.33637	-1.98873	down

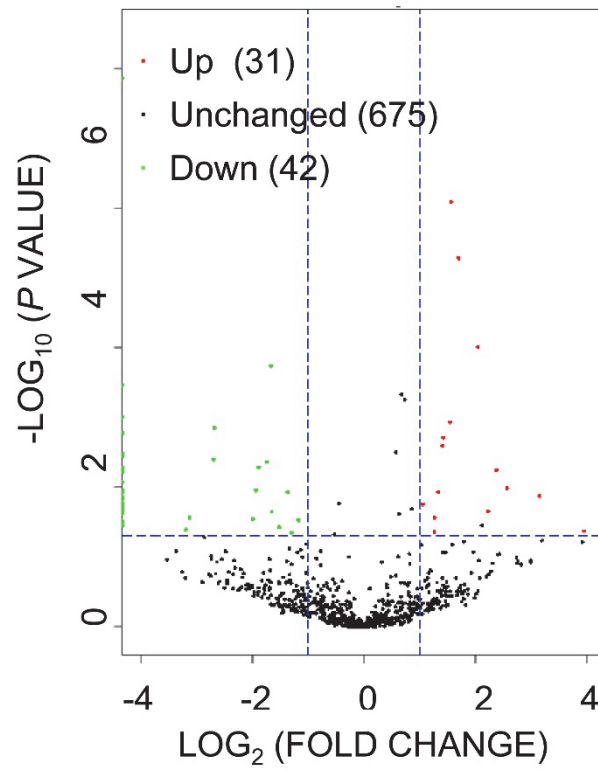


Fig. 1 Suppl. Volcano plot of circRNAs identified in the tomato seeds germinated at control (26 °C) and high (36 °C) temperature. The *red dot* indicated the up-regulated circRNAs; the *black dot* indicated the circRNAs with unchanged expression level; the *green dot* indicated the down-regulated circRNAs.