

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Table S1: miRNA annotation results in <i>C. elegans</i>															
Pre-capped intergenic miRNAs															
mi_name	mi_chrom	mi_strand	mi_start	mi_end	confidence	mature_miRNA	pre-miRNA_capped	pre_cap_reads	pre_cap_pvalue	pri_TSS	pri_TSS_position	pri_TSS_reads	pri_TSS_pvalue	Conservation	
1	cel-mir-235	I	-	6162291	6162387	1	3p	1	20,	8.63e-23,	2	6162329,6164365,	11,5,	3.56e-13,3.60e-04,	
2	cel-mir-4932	I	+	9512307	9512416	0	5p	1	5,	1.08e-03,	0				Worm specific
3	cel-mir-244	I	-	4684316	4684414	1	5p	1	33,	1.34e-51,	1	4684495,	29,	1.73e-37,	Worm specific
4	cel-mir-2207	II	+	11600300	11600383	0	None	1	21,	2.97e-33,	3	11595576,11595763,11595881,	6,16,5,	1.38e-07,2.20e-21,6.82e-06,	Worm specific
5	cel-mir-238	III	-	8867328	8867425	1	3p	1	6,	8.70e-03,	2	8867479,8868502,	17,14,	4.03e-05,1.34e-13,	Worm specific
6	cel-mir-228	IV	+	5562025	5562122	1	5p	1	91,	7.04e-97,	1	5561898,	369,	<2.2e-308,	Worm specific
7	cel-mir-51	IV	-	11026013	11026112	1	5p	2	34,56,	1.04e-29,1.45e-28,	1	11026830,	21,	1.16e-5,	Worm specific
8	cel-mir-53	IV	-	11027593	11027691	1	5p	1	239,	3.09e-223,	1	11028153,	25,	1.42e-11,	Worm specific
9	cel-mir-49	X	+	9989282	9989378	1	3p	1	43,	5.14e-64,	4	9989099,9987380,9988327,9989143,	11,27,7,31,	4.21e-11,9.46e-20,1.14e-03,8.52e-29,	Worm specific
* There is a ncRNA gene between the miRNA and the upstream primary TIC, but the ncRNA gene is not expressed according to the small RNA-seq mapping results.															
Therefore, the upstream primary TIC is assigned to the miRNA gene.															
Intergenic miRNA clusters: 16 clusters, 8 with primary capped TICs															
cluster	mi_name	mi_chrom	mi_strand	mi_start	mi_end	confidence	mature_miRNA	pre-miRNA_capped	pre_cap_reads	pre_cap_pvalue	pri_TSS	pri_TSS_position	pri_TSS_reads	pri_TSS_pvalue	
1	cel-mir-35	II	+	11537608	11537704	1	3p	1	24	3.54E-04	5	11535699,11535906,11536194,11537280,11537526,	22,31,46,7,513,	0.0917201527861,0.0575271881349,8.69038527086e-18,0.916867319088,<2.2e-308	
20	cel-mir-36	II	+	11537713	11537809	1	3p	1	176	1.29E-142	5	11535699,11535906,11536194,11537280,11537526,	22,31,46,7,513,	0.0917201527861,0.0575271881349,8.69038527086e-18,0.916867319088,<2.2e-308	
21	cel-mir-37	II	+	11537833	11537930	1	3p	1	36	2.44E-09	5	11535699,11535906,11536194,11537280,11537526,	22,31,46,7,513,	0.0917201527861,0.0575271881349,8.69038527086e-18,0.916867319088,<2.2e-308	
22	cel-mir-38	II	+	11537933	11538027	1	3p	1	68	1.50E-31	5	11535699,11535906,11536194,11537280,11537526,	22,31,46,7,513,	0.0917201527861,0.0575271881349,8.69038527086e-18,0.916867319088,<2.2e-308	
23	cel-mir-39	II	+	11538089	11538175	1	3p	1	21	1.34E-03	5	11535699,11535906,11536194,11537280,11537526,	22,31,46,7,513,	0.0917201527861,0.0575271881349,8.69038527086e-18,0.916867319088,<2.2e-308	
24	cel-mir-40	II	+	11538184	11538275	1	3p	1	106	2.76E-67	5	11535699,11535906,11536194,11537280,11537526,	22,31,46,7,513,	0.0917201527861,0.0575271881349,8.69038527086e-18,0.916867319088,<2.2e-308	
25	cel-mir-41	II	+	11538308	11538404	1	3p	1	50	3.51E-17	5	11535699,11535906,11536194,11537280,11537526,	22,31,46,7,513,	0.0917201527861,0.0575271881349,8.69038527086e-18,0.916867319088,<2.2e-308	
26	cel-mir-42	II	+	11889811	11889905	1	3p	1	145	2.48E-107	3	11888058,11888392,11889625,	24,93,11,	0.34727907435,2.29284078432e-35,0.16542968745,	
27	cel-mir-43	II	+	11889910	11890007	1	3p	1	494	<2.2e-308	3	11888058,11888392,11889625,	24,93,11,	0.34727907435,2.29284078432e-35,0.16542968745,	
28	cel-mir-44	II	+	11890023	11890118	1	3p	1	6	9.61E-01	3	11888058,11888392,11889625,	24,93,11,	0.34727907435,2.29284078432e-35,0.16542968745,	
29	cel-mir-229	III	+	2172452	2172566	1	5p	1	10	8.27E-01	1	2172375,	1035,	<2.2e-308,	
30	cel-mir-64	III	+	2172848	2172957	1	5p	1	7	9.62E-01	1	2172375,	1035,	<2.2e-308,	
31	cel-mir-65	III	+	2173002	2173101	1	5p	1	28	1.75E-05	1	2172375,	1035,	<2.2e-308,	
32	cel-mir-66	III	+	2173108	2173206	1	5p	1	9	7.77E-01	1	2172375,	1035,	<2.2e-308,	
33	cel-mir-86	III	+	11936637	11936734	1	3p	1	23	2.38E-20	2	11936993,11937071,	16,70,	1.06063883032e-11,7.87380144283e-86,	
34	cel-mir-8211	III	+	11936916	11936980	0	None	0	0		2	11936993,11937071,	16,70,	1.06063883032e-11,7.87380144283e-86,	
35	cel-mir-250	V	-	11769917	11770015	1	3p	0	0		1	11770221,	39,	1.6112648912e-51,	
36	cel-mir-61	V	-	11770060	11770156	1	3p	1	9	2.55E-07	1	11770221,	39,	1.6112648912e-51,	
37	cel-mir-1821	V	-	3042530	3042633	1	3p	0	0		1	3042228,			
38	cel-mir-792	V	-	3042092	3042181	0	None	0	0		1	3042228,			
39	cel-mir-56	X	-	13144691	13144787	1	5p-3p	1	287	5.91E-228	4	13145254,13145358,13146147,13146365,	629,14,52,21,	<2.2e-308,0.718086377362,<2.2e-308,0.832126157183,0.875610216879,	
40	cel-mir-55	X	-	13144827	13144924	1	3p	1	450	<2.2e-308	4	13145254,13145358,13146147,13146365,	629,14,52,21,	<2.2e-308,0.718086377362,<2.2e-308,0.832126157183,0.875610216879,	
41	cel-mir-54	X	-	13144996	13145094	1	3p	1	54	2.86E-11	4	13145254,13145358,13146147,13146365,	629,14,52,21,	<2.2e-308,0.718086377362,<2.2e-308,0.832126157183,0.875610216879,	
42	cel-mir-73	X	+	2368765	2368863	1	3p	1	24	1.84E-11	2	2367321,2368753,	7,306,	0.349939826396,<2.2e-308,	
43	cel-mir-74	X	+	2369043	2369139	1	3p	1	7	7.40E-02	2	2367321,2368753,	7,306,	0.349939826396,<2.2e-308,	
Intergenic miRNAs with candidate primary start sites															
mi_name	mi_chrom	mi_strand	mi_start	mi_end	confidence	mature_miRNA	pre-miRNA_capped	pre_cap_reads	pre_cap_pvalue	pri_TSS	pri_TSS_position	pri_TSS_reads	pri_TSS_pvalue		
1	cel-mir-8204	I	+	3710171	3710241	0	None	0	0		1	3710095,	67,	2.36e-101,	
2	cel-mir-235	I	-	6162291	6162387	1	3p	1	20,	8.63e-23,	2	6162329,6164365,	11,5,	3.56e-13,3.60e-04,	
3	cel-mir-1818	I	-	13980858	13980954	0	None	0	0		5	13980989,13989672,13992591,13997150,14004323,	19,12,5,12,5,	1.51e-31,2.05e-18,2.26e-09,2.66e-20,1.13e-08,	
4	cel-mir-244	I	-	4684316	4684414	1	5p	1	33,	1.34e-51,	1	4684495,	29,	1.73e-37,	
5	cel-mir-79	I	+	9332946	9333043	1	3p	0	0		3	9331031,9331835,9332806,	12,62,602,	1.73e-01,8.14e-22,<2.2e-308,	
6	cel-mir-245	I	+	7887371	7887467	1	3p	0	0		7	7886105,7887328,	18,74,	1.57e-12,1.16e-102,	
53	cel-mir-1823	I	+	12608619	12608708	1	3p	0	0		1	12601770,	7,	1.48e-12,	
55	cel-mir-234	II	-	14466263	14466358	1	3p	0	0		1	14468883,	15,	6.28e-21,	
56	cel-mir-236	II	-	7030180	7030277	1	3p	0	0		3	7030340,7031321,7033201,	735,17,5,	<2.2e-308,1.66e-02,1.83e-06,	
57	cel-mir-5593-1	II	+	431492	431554	0	None	0	0		4	420660,423250,427134,429983,	38,13,14,37,	5.58e-53,2.24e-18,5.06e-21,9.44e-46,	
58	cel-mir-45	II	-	11880944	11881039	1	3p	0	0		3	11881110,11884361,11886964,	98,56,10,	5.29e-71,3.45e-63,1.00e+00,	
59	cel-mir-60	II	-	6328702	6328799	1	3p	0	0		1	6328847,	612,	<2.2e-308,	
60	cel-mir-261	II	+	5969058	5969156	0	None	0	0		1	5967672,	27,	5.49e-36,	
61	cel-mir-355	II	-	11833336	11833646	1	3p	0	0		1	11833679,	50,	4.78e-84,	
62	cel-mir-44	II	+	11890023	11890118	1	3p	0	0		6	11887151,11888058,11888392,11889625,11889824,11889993,	15,24,93,11,368,499,	1.42e-06,1.47e-01,2.29e-35,1.65e-01,5.98e-286,<2.2e-308,	
63	cel-mir-2207	II	+	11600300	11600383	0	None	1	21,	2.97e-33,	3	11595576,11595763,11595881,	6,16,5,	1.38e-07,2.20e-21,6.82e-06,	
64	cel-mir-8186-2	II	-	18637	18697	0	None	0	0		2	18892,22945,	39,5,	6.42e-52,5.87e-09,	
65	cel-mir-2215	II	-	13333763	13333827	0	None	0	0		4	13335024,13335202,13338104,13338764,	16,131,12,17,	3.46e-11,2.79e-170,1.11e-15,2.00e-24,	
66	cel-mir-72	II	+	2452838	2452936	1	5p	0	0		1	2452695,	150,	4.53e-156,	
67	cel-mir-5547	II	+	12238602	12238711	0	None	0	0		1	12237814,	35,	1.34e-38,	
68	cel-mir-272	III	-	11637966	11638060	0	None	0	0		5	11637316,11674565,11675607,11684870,11689384,	9,12,10,5,5,	5.38e-15,1.16e-18,1.15e-16,5.91e-09,1.70e-08,	
69	cel-mir-238	III	-	8867328	8867425	1	3p	1	6,	8.70e-03,	2	8867479,8868502,	17,14,	4.03e-05,1.34e-13,	
70	cel-mir-46	III	+	13660463	13660611	1	3p	0	0		1	13660404,	69,	5.51e-75,	
71	cel-mir-76	III	+	1142045	1142141	0	None	0	0		3	1138586,1139322,3140528,	9,15,316,	1.08e-11,1.36e-06,<2.2e-308,	
72	cel-mir-2213	III	+	6968870	6968924	0	None	0	0		1	6968527,	18,	4.47e-26,	
73	cel-mir-5551	IV	+	9757508	9757616	0	None	0	0		2	9741430,9757383,	5,9,	3.96e-10,1.63e-13,	
74	W08D0.14	IV	-	9825313	982542										