

miRDeep2 version	2.0.0.8
Program call	/home/utilities/miniconda2/envs/mirdeep/bin/miRDeep2.py collapsed_combined_files.fasta /scratch/lsusie/genome/mir_allchr.fa converted_mapout.arf mus_mature_conv.fa none mus_precur_conv.fa -t mmu2
Reads	collapsed_combined_files.fasta
Genome	/scratch/lsusie/genome/mir_allchr.fa
Mappings	converted_mapout.arf
Reference mature miRNAs	mus_mature_conv.fa
Other mature miRNAs	none
Species	mmu

miRDeep2 score	predicted by miRDeep2	novel miRNAs		known miRBase miRNAs		estimated signal-to-noise	excision gearing	
		estimated false positives	estimated true positives	in species in data	detected by miRDeep2			
10	115	45 ± 7	70 ± 7 (61 ± 6%)	1915	1144	602 (53%)	8.5	28
9	115	45 ± 7	70 ± 7 (61 ± 6%)	1915	1144	602 (53%)	8.5	28
8	115	45 ± 7	70 ± 7 (61 ± 6%)	1915	1144	602 (53%)	8.5	28
7	115	45 ± 7	70 ± 7 (61 ± 6%)	1915	1144	602 (53%)	8.5	28
6	115	45 ± 7	70 ± 7 (61 ± 6%)	1915	1144	602 (53%)	8.4	28
5	115	45 ± 7	70 ± 7 (61 ± 6%)	1915	1144	602 (53%)	8.4	28
4	115	45 ± 7	70 ± 7 (60 ± 6%)	1915	1144	602 (53%)	8.4	28
3	131	47 ± 7	84 ± 7 (64 ± 5%)	1915	1144	604 (53%)	8.4	28
2	522	100 ± 9	422 ± 9 (81 ± 2%)	1915	1144	784 (69%)	7.7	28
1	795	574 ± 18	221 ± 18 (28 ± 2%)	1915	1144	845 (74%)	2.1	28
-10	894	2587 ± 34	0 ± 0 (0 ± 0%)	1915	1144	848 (74%)	0.5	28
-9	1126	3310 ± 38	0 ± 0 (0 ± 0%)	1915	1144	851 (74%)	0.5	28
-8	2441	3938 ± 38	0 ± 0 (0 ± 0%)	1915	1144	912 (80%)	0.7	28
-7	3175	4281 ± 40	0 ± 0 (0 ± 0%)	1915	1144	929 (81%)	0.8	28
-6	3597	4494 ± 39	0 ± 0 (0 ± 0%)	1915	1144	937 (82%)	0.9	28
-5	3892	4638 ± 41	0 ± 0 (0 ± 0%)	1915	1144	937 (82%)	0.9	28
-4	4108	4746 ± 40	0 ± 0 (0 ± 0%)	1915	1144	937 (82%)	1	28
-3	4262	4834 ± 40	0 ± 0 (0 ± 0%)	1915	1144	938 (82%)	1	28
-2	4364	4917 ± 41	0 ± 0 (0 ± 0%)	1915	1144	940 (82%)	1	28
-1	4476	4966 ± 42	0 ± 0 (0 ± 0%)	1915	1144	940 (82%)	1	28
-10	4557	5017 ± 42	0 ± 0 (0 ± 0%)	1915	1144	940 (82%)	1	28

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g37603317b;CM010095.1	2628.7	1.7	28	2	0	0	yes	blast	arginine-tyrosine	lysine-tyrosine	arginine-tyrosine	g37603317b;CM010095.1	166762919.166
g37603117b;CM010095.1	2598.0	1.7	28	2	0	0	yes	blast	arginine-tyrosine	lysine-tyrosine	arginine-tyrosine	g37603317b;CM010095.1	16706360.167
g37603367b;CM010097.1	1427.7	1.7	28	2	0	0	yes	blast	lysine-tyrosine	lysine-tyrosine	lysine-tyrosine	g37603367b;CM010097.1	3240252.325
g37603178b;CM010099.1	3603.4	1.7	28	2	0	0	yes	blast	lysine-tyrosine	lysine-tyrosine	lysine-tyrosine	g37603178b;CM010099.1	103340347.103
g37603366b;CM010101.1	1640.7	1.7	28	2	0	0	yes	blast	lysine-tyrosine	lysine-tyrosine	lysine-tyrosine	g37603366b;CM010101.1	29425244.294
g37603365b;CM010111.1	1912.6	1.7	28	2	0	0	yes	blast	lysine-tyrosine	lysine-tyrosine	lysine-tyrosine	g37603365b;CM010111.1	13085614.130
g37603381b;CM010095.1	2820.1	1.7	28	2	0	0	yes	blast	lysine-tyrosine	lysine-tyrosine	lysine-tyrosine	g37603381b;CM010095.1	181092725.181
g37603377b;CM010099.1	3666.2	1.7	28	2	0	0	yes	blast	lysine-tyrosine	lysine-tyrosine	lysine-tyrosine	g37603377b;CM010099.1	30119671.301
g37603372b;CM010094.1	509.1	1.7	28	2	0	0	yes	blast	lysine-tyrosine	lysine-tyrosine	lysine-tyrosine	g37603372b;CM010094.1	6929644.693
g37603371b;CM010095.1	2476.7	1.7	28	2	0	0	yes	blast	lysine-tyrosine	lysine-tyrosine	lysine-tyrosine	g37603371b;CM010095.1	118820220.118
g37603369b;CM01007.1	1248.6	1.7	28	2	0	0	yes	blast	lysine-tyrosine	lysine-tyrosine	lysine-tyrosine	g37603369b;CM01007.1	109312671.109
g37603332b;CM010093.1	1662.1	1.7	28	2	0	0	yes	blast	lysine-tyrosine	lysine-tyrosine	lysine-tyrosine	g37603332b;CM010093.1	61634007.616
g37603373b;CM010093.1	1853.1	1.7	28	2	0	0	yes	blast	lysine-tyrosine	lysine-tyrosine	lysine-tyrosine	g37603373b;CM010093.1	79763394.797
g37603364b;CM010121.1	2100.4	1.7	28	2	0	0	yes	blast	lysine-tyrosine	lysine-tyrosine	lysine-tyrosine	g37603364b;CM010121.1	29105220.291
g37603366b;CM010101.1	1787.3	1.7	28	2	0	0	yes	blast	lysine-tyrosine	lysine-tyrosine	lysine-tyrosine	g37603366b;CM010101.1	46936720.469
g37603371b;CM010095.1	819.7	1.7	28	2	0	0	yes	blast	lysine-tyrosine	lysine-tyrosine	lysine-tyrosine	g37603371b;CM010095.1	99668600.996
g37603371b;CM010095.1	8136.1	1.7	28	2	0	0	yes	blast	lysine-tyrosine	lysine-tyrosine	lysine-tyrosine	g37603371b;CM010095.1	88448269.884
g37603377b;CM010099.1	3719.1	1.7	28	2	0	0	yes	blast	lysine-tyrosine	lysine-tyrosine	lysine-tyrosine	g37603377b;CM010099.1	133504032.133
g37603378b;CM010099.1	1454.2	1.7	28	2	0	0	yes	blast	lysine-tyrosine	lysine-tyrosine	lysine-tyrosine	g37603378b;CM010099.1	9363587.936
g37603376b;CM010091.1	4206.7	1.7	28	2	0	0	yes	blast	lysine-tyrosine	lysine-tyrosine	lysine-tyrosine	g37603376b;CM010091.1	90013461.900
g37603377b;CM010099.1	3883.7	1.7	28	2	0	0	yes	blast	lysine-tyrosine	lysine-tyrosine	lysine-tyrosine	g37603377b;CM010099.1	97478844.974
g37603365b;CM010111.1	1902.1	1.7	28	2	0	0	yes	blast	lysine-tyrosine	lysine-tyrosine	lysine-tyrosine	g37603365b;CM010111.1	3012623.301
g37603364b;CM010121.1	2117.2	1.7	28	2	0	0	yes	blast	lysine-tyrosine	lysine-tyrosine	lysine-tyrosine	g37603364b;CM010121.1	4512305.451
g37603371b;CM010095.1	769.7	1.7	28	2	0	0	yes	blast	lysine-tyrosine	lysine-tyrosine	lysine-tyrosine	g37603371b;CM010095.1	30634166.306
g37603366b;CM010101.1	1073.0	1.7	28	2	0	0	yes	blast	lysine-tyrosine	lysine-tyrosine	lysine-tyrosine	g37603366b;CM010101.1	88012910.880
g37603380b;CM010099.1	1327.6	1.7	28	2	0	0	yes	blast	lysine-tyrosine	lysine			

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mature miRBase miRNAs detected by miRDeep2

tag id	miRDeep2 score	estimated probability that the miRNA is a true positive	flam arrest	predicted mature seq. in accordance with miRBase mature seq.	total read count	mature read count	loop read count	star read count	significant p-value	mature miRNA	miRBase mature miRNA	example mature miRNA with the same seed	UCSC browser	NCBI blastn	consensus mature sequence	consensus star sequence	consensus precursor sequence	precursor
gc36701380.gb CM009991.1 28783	2.0e7	0.61 ± 0.06	TRUE	39579646	53824661	2871	5752114	Yes	miR-mir-9-5p	hsa-miR-9-5p	hsa-miR-9-5p	hsa-miR-9-5p	hsa-miR-9-5p	hsa-miR-9-5p	hsa-miR-9-5p	hsa-miR-9-5p	hsa-miR-9-5p	gc36701380.gb CM009991.1 28783
gc36701370.gb CM009991.1 9247	2.0e7	0.61 ± 0.06	TRUE	39576775	53824661	0	5752114	Yes	miR-mir-9-5p	hsa-miR-9-5p	hsa-miR-9-5p	hsa-miR-9-5p	hsa-miR-9-5p	hsa-miR-9-5p	hsa-miR-9-5p	hsa-miR-9-5p	hsa-miR-9-5p	gc36701370.gb CM009991.1 9247
gc36701376.gb CM01000.1 40156	2.0e7	0.61 ± 0.06	TRUE	39443323	53817751	0	5614572	Yes	miR-mir-9-5p	hsa-miR-9-5p	hsa-miR-9-5p	hsa-miR-9-5p	hsa-miR-9-5p	hsa-miR-9-5p	hsa-miR-9-5p	hsa-miR-9-5p	hsa-miR-9-5p	gc36701376.gb CM01000.1 40156
gc36701362.gb CM01002.1 45668	9.4e6	0.61 ± 0.06	TRUE	18492099	18302995	16	146979	Yes	miR-mir-129b-5p	hsa-miR-129b-5p	hsa-miR-129b-5p	hsa-miR-129b-5p	hsa-miR-129b-5p	hsa-miR-129b-5p	hsa-miR-129b-5p	hsa-miR-129b-5p	hsa-miR-129b-5p	gc36701362.gb CM01002.1 45668
gc36701367.gb CM01009.1 15090	9.2e6	0.61 ± 0.06	TRUE	18229976	18170660	0	59116	Yes	miR-mir-129b-5p	hsa-miR-129b-5p	hsa-miR-129b-5p	hsa-miR-129b-5p	hsa-miR-129b-5p	hsa-miR-129b-5p	hsa-miR-129b-5p	hsa-miR-129b-5p	hsa-miR-129b-5p	gc36701367.gb CM01009.1 15090
gc36701369.gb CM01007.1 11513	4.0e6	0.61 ± 0.06	STAR	8009983	8007628	32	2323	Yes	miR-mir-92a-1-5p	hsa-miR-92a-1-5p	hsa-miR-92a-1-5p	hsa-miR-92a-1-5p	hsa-miR-92a-1-5p	hsa-miR-92a-1-5p	hsa-miR-92a-1-5p	hsa-miR-92a-1-5p	hsa-miR-92a-1-5p	gc36701369.gb CM01007.1 11513
gc36701381.gb CM00995.1 25106	4.0e6	0.61 ± 0.06	TRUE	7829512	7788518	76	137318	Yes	miR-mir-181a-5p	hsa-miR-181a-5p	hsa-miR-181a-5p	hsa-miR-181a-5p	hsa-miR-181a-5p	hsa-miR-181a-5p	hsa-miR-181a-5p	hsa-miR-181a-5p	hsa-miR-181a-5p	gc36701381.gb CM00995.1 25106
gc36701382.gb CM00994.1 22278	4.0e6	0.61 ± 0.06	TRUE	7829283	7788478	0	40805	Yes	miR-mir-181a-5p	hsa-miR-181a-5p	hsa-miR-181a-5p	hsa-miR-181a-5p	hsa-miR-181a-5p	hsa-miR-181a-5p	hsa-miR-181a-5p	hsa-miR-181a-5p	hsa-miR-181a-5p	gc36701382.gb CM00994.1 22278
gc36701367.gb CM01009.1 15086	2.9e6	0.61 ± 0.06	TRUE	5823305	5823098	0	207	Yes	miR-mir-99a-5p	hsa-miR-99a-5p	hsa-miR-99a-5p	hsa-miR-99a-5p	hsa-miR-99a-5p	hsa-miR-99a-5p	hsa-miR-99a-5p	hsa-miR-99a-5p	hsa-miR-99a-5p	gc36701367.gb CM01009.1 15086
gc36701367.gb CM01009.1 15088	2.9e6	0.61 ± 0.06	TRUE	5782735	5775081	1349	4305	Yes	miR-mir-7c-3p	hsa-miR-7c-3p	hsa-miR-7c-3p	hsa-miR-7c-3p	hsa-miR-7c-3p	hsa-miR-7c-3p	hsa-miR-7c-3p	hsa-miR-7c-3p	hsa-miR-7c-3p	gc36701367.gb CM01009.1 15088
gc36701373.gb CM01003.1 1148	2.4e6	0.61 ± 0.06	TRUE	4810238	4806477	0	3761	Yes	miR-mir-26a-5p	hsa-miR-26a-5p	hsa-miR-26a-5p	hsa-miR-26a-5p	hsa-miR-26a-5p	hsa-miR-26a-5p	hsa-miR-26a-5p	hsa-miR-26a-5p	hsa-miR-26a-5p	gc36701373.gb CM01003.1 1148
gc36701374.gb CM01002.1 46522	2.4e6	0.61 ± 0.06	TRUE	4807405	4807083	0	322	Yes	miR-mir-26a-5p	hsa-miR-26a-5p	hsa-miR-26a-5p	hsa-miR-26a-5p	hsa-miR-26a-5p	hsa-miR-26a-5p	hsa-miR-26a-5p	hsa-miR-26a-5p	hsa-miR-26a-5p	gc36701374.gb CM01002.1 46522
gc36701370.gb CM01006.1 10032	2.4e6	0.61 ± 0.06	TRUE	4743776	4735505	190	8081	Yes	miR-mir-7a-5p	hsa-miR-7a-5p	hsa-miR-7a-5p	hsa-miR-7a-5p	hsa-miR-7a-5p	hsa-miR-7a-5p	hsa-miR-7a-5p	hsa-miR-7a-5p	hsa-miR-7a-5p	gc36701370.gb CM01006.1 10032
gc36701378.gb CM01002.1 45864	2.4e6	0.61 ± 0.06	TRUE	4726081	4727124	464	4											

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mature miRBase miRNAs not detected by miRDeep2

[illegible]

[illegible]

[illegible]

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