

Table S3. *k*-mers complementary to known miRNAs, but not within the 5' extremity in worms (A) and flies (B).

(A)

Rank	Fly rank	k-mers	complementary miRNAs	
20	-	UGUACAA	<i>miR-244</i>	ucuuugguuguacaaagugguaug
38	40	UUGUACA		
89	-	UUUGUAC		
439	368	CUUUGUA		
63	-	UUACGGG	<i>miR-54</i> <i>miR-56</i>	uacccguaaauucuaaaucggag uacccguaauguuuccgcugag
78	-	AUGUACA	<i>miR-40</i>	ucaccggguguacaucagcuua
108	-	UGUACAC		
80	-	GGUCUCA	<i>lin-4</i>	ucccugagaccucaaguguga
316	-	AGGUCUC		
110	-	CCUACUA	<i>let-7</i>	ugagguaguagguuguauaguu
149	148	UGCCAUU	<i>miR-74</i>	uggcaagaaauuggcagucuaa
441	110*	ACUGCCA		
150	-	UGUGCAU	<i>miR-60</i>	uauuauugcacaauuucuauguca
190	121	UUGCCAA	<i>miR-266</i>	aggcaagacuauuggcacaaagc
241	277	UUUGCCA	<i>miR-269</i>	ggcaagacucuggcacaaacu
199	-	UGUAGAU	<i>miR-42</i>	caccggguuaacaucauacag
91	-	AUGAUCU	<i>miR-80</i>	ugagaucauuaguugaaagccga
204	-	GCUUUCA	<i>miR-81</i>	ugagaucaucgugaaagcuagu
360	-	AGCUUUC	<i>miR-82</i>	ugagaucaucgugaaagccagu
221	-	CCAUGUC	<i>miR-71</i>	ugaaagacauuggguaguga
247	-	UCUCAGG	<i>miR-237</i>	ucccugagaaauucucgaacagcuu
268	-	AACUGCC	<i>miR-73</i>	uggcaagauguaggcaguuacagu
277	-	UUACGGU	<i>miR-360</i>	ugaccguaaucccgucacaa
280	-	ACGGUUC	<i>miR-61</i>	ugacuagaaccgguacucaucuc
318	169*	AGUGCCA	<i>miR-228</i>	aauggcacugcaugaauucacgg
362	-	UUUCUAG	<i>miR-67</i>	ucacaaccuccuagaaagaguaga
379	-	CCAGUGU	<i>miR-229</i>	aaugacacugguuaucuuuuccaucgu
404	-	UAUGUGUA	<i>miR-239a</i>	uuuguacuacacauaggguacugg
429	-	UUUCUCC	<i>miR-38</i>	ucaccgggagaaaaacuggagu
433	-	AGGUUGU	<i>miR-67</i>	ucacaaccuccuagaaagaguaga
436	-	CAUCAUC	<i>miR-59</i>	ucgaaucguuuauacaggauaug

(B)

rank	Worm rank	k-mers	complementary miRNAs	
55	-	AAAGACU	<i>miR-14</i>	ucagucuuuuucucucuccua
65	-	GUAUUAA	<i>miR-276b</i>	uaggaacuuauaacgcugcucu
73	-	GUGCAUU	<i>miR-277</i>	uaauugcacuaucugguacgaca
77	-	AAAAGAC	<i>miR-14</i>	ucagucuuuuucucucuccua
82	-	GUGCAA	<i>miR-287</i>	uguguugaaaaucguuugcac
83	-	AACCAA	<i>miR-9a</i>	uguuugguuaucuaagcuguaua
85	136*	CAUAUCA	<i>miR-5</i>	aaaggaacgaucguugugauaug
91	-	UACCAA	<i>miR-9c</i>	uguuugguuaucuaagcuguaga
95	48*	GUGCCAU	<i>miR-263a</i>	guuaauuggcacuggaagaauucac
148	149*	UGCCAUU		
169	318*	AGUGCCA		
133	-	AGCAACA	<i>miR-315</i>	uuuugauuugugcucagaaagc
334	-	GCAACAA		
134	-	ACAACAA	<i>miR-7</i>	uggaagacuagugauuuuguugu
391	334	ACUAGUC		
141	-	AAGUGCA	<i>miR-92a</i>	cauugcacuugucccgccuau
300	-	CAAGUGC	<i>miR-312</i> <i>miR-313</i>	uauugcacuugagacggccuga uauugcacuuuucacagcccga
169	318*	AGUGCCA	<i>miR-263b</i>	cuuggcacugggagaaauucac
254	-	UGUCUAG	<i>miR-4</i>	auaaagcuagacaaccauuga
444	-	UUGUCUA		
338	-	CAAAUUG	<i>miR-304</i>	uaaucucaauuuguaaaugugag
361	-	AUUGCAU	<i>miR-281</i>	ugucauggaauugcucucuugu
372	-	AGAGGCU	<i>miR-282</i>	aaucuaagccucuaacuaaggcuuugcugu
375	-	CAAUGCA	<i>miR-33</i>	aggugcauuguagucgcauug
381	-	CUAAGUA	<i>miR-306</i>	ucagguacuauugacucucuaa
464	-	AGUCACU		
389	223	UAUGCAA	<i>miR-280</i>	uguauuuacguugcauugaaaugaua

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55	-	AAAGACU	<i>miR-14</i>	uc agucuuuu ucucucuccua
65	-	GUAUUAA	<i>miR-276b</i>	uaggaac uuauac cgugcucu
73	-	GUGCAUU	<i>miR-277</i>	ua aaugcac uauucugguacgaca
77	-	AAAAGAC	<i>miR-14</i>	uc agucuuuu ucucucuccua
82	-	GUGCAAA	<i>miR-287</i>	uguguugaaaauc guuugcac
83	-	AACCAAA	<i>miR-9a</i>	ugu uugguu auucuaagcuguaua
85	136*	CAUAUCA	<i>miR-5</i>	aaaggaacgaucguug ugauaug
91	-	UACCAAA	<i>miR-9c</i>	ugu uugguu auucuaagcuguaua
95	48*	GUGCCAU	<i>miR-263a</i>	guu aauggcac uggaagaauucac
148	149*	UGCCAUU		
169	318*	AGUGCCA		
133	-	AGCAACA	<i>miR-315</i>	uuuuga uugugcu cagaaagc
334	-	GCAACAA		
475	-	UUGGACA	<i>miR-219</i>	uga uuguccaa acgcaauucug