

**Table S6:** Compilation of five *Nasonia vitripennis* microRNA prediction sets. MicroRNAs were predicted using two homology-based approaches (sets 1A & 2A), Support Vector Machine (set 1B), sequence ultraconservation (set 2B), and analysis of a small RNA library (set 3). Transcriptional evidence of mature miRNAs was from 454 sequencing of a small RNA library. Expressed mature miRNA sequences identified in the small RNA library are available as Table S27 at [http://nasoniabase.org/nasonia\\_genome\\_consortium/datasets.html](http://nasoniabase.org/nasonia_genome_consortium/datasets.html).

Name	Method	Transcriptional Evidence
nvit-mir-14	1A, 2A	yes
nvit-mir-29b	1A, 2A, 3	yes
nvit-mir-33	1A, 2A	no
nvit-mirna-tempid-69	2B	yes
nvit-mir-137	1A, 2A	no
nvit-mir-281	1A, 2A, 3	yes
nvit-mir-31a	1A, 2A	yes
nvit-mir-7	1A, 2A, 3	yes
nvit-mir-13a	1A, 2A	no
nvit-mir-13b	1A, 2B, 3	no
nvit-mir-2	1A, 2A	yes
nvit-mir-2	1A, 2A, 3	yes
nvit-mir-2	1A, 2A, 3	yes
nvit-mir-71	1A, 2A, 3	yes
nvit-mirna-tempid-42	2B, 3	yes
nvit-mir-92a	1A, 2A, 3	yes
nvit-mirna-tempid-48	1B, 2B, 3	yes
nvit-mir-12	1A, 2A, 3	yes
nvit-mir-283	1A, 2A	no
nvit-mir-184	1A, 2A	yes
nvit-mir-190	1A, 2A	no
nvit-mir-252	1A, 2B, 3	yes
nvit-mir-929	1A, 2A	no
nvit-mir-932	1A, 2A	no
nvit-mirna-tempid-62	2B, 3	yes
nvit-mir-190	1A	no
nvit-mir-263b	1A, 2B	no
nvit-mir-iab-4	1A, 2A	no
nvit-mir-iab-4as	1A	no
nvit-mir-10	1A, 2A, 3	yes
nvit-mir-993	1A, 2B, 3	yes
nvit-mir-263	2A	yes
nvit-let-7	1A, 2A	yes
nvit-mir-100	1A, 2A, 3	yes
nvit-mir-125	1A, 2A, 3	yes
nvit-mirna-tempid-85	1A, 2B, 3	yes
nvit-mir-279	1A, 2A, 3	yes
nvit-mir-277	1A, 2A, 3	yes
nvit-mir-317	1A, 2A	no
nvit-mir-34	1A, 3	no

nvit-mir-925	1A	no
nvit-mirna-tempid-257	2B	yes
nvit-mir-124	1A, 2A, 3	yes
nvit-mir-275	1A, 2A, 3	yes
nvit-mir-276	1A, 2A, 3	yes
nvit-mir-305	1A, 2A, 3	yes
nvit-mirna-tempid-78	1B, 2B	yes
nvit-mirna-tempid-232	2B	yes
nvit-mir-315	1A, 2A	no
nvit-mir-219	1A, 2A	no
nvit-mir-1	1A, 2A	no
nvit-mir-133	1A, 2A	no
nvit-mir-282	1A, 2A	no
nvit-mir-307	1A, 2A	no
nvit-bantam	1A, 2A	no
nvit-mir-210	1A, 2A, 3	yes
nvit-mir-9a	1A, 2A, 3	yes
nvit-mir-375	1A, 2A	no
nvit-mir-8	1A, 2A, 3	yes
nvit-mir-927	1A, 2A	no
nvit-mir-928	1A	no
nvit-mirna-tempid-51	2B, 3	yes
nvit-mirna-tempid-1	3	yes
nvit-mirna-tempid-2	3	yes
nvit-mirna-tempid-3	3	yes
nvit-mirna-tempid-4	3	yes
nvit-mirna-tempid-5	3	yes
nvit-mirna-tempid-6	3	yes
nvit-mirna-tempid-7	3	yes
nvit-mirna-tempid-8	3	yes
nvit-mirna-tempid-9	3	yes
nvit-mirna-tempid-10	3	yes
nvit-mirna-tempid-11	3	yes
nvit-mirna-tempid-12	3	yes
nvit-mirna-tempid-13	3	yes
nvit-mirna-tempid-14	3	yes
nvit-mirna-tempid-15	3	yes
nvit-mirna-tempid-16	3	yes
nvit-mirna-tempid-17	3	yes
nvit-mirna-tempid-18	3	yes
nvit-mirna-tempid-19	3	yes
nvit-mirna-tempid-20	3	yes
nvit-mirna-tempid-21	3	yes
nvit-mirna-tempid-22	3	yes
nvit-mirna-tempid-23	3	yes
nvit-mirna-tempid-24	3	yes
nvit-mirna-tempid-25	3	yes
nvit-mirna-tempid-26	3	yes
nvit-mirna-tempid-27	3	yes

nvit-mirna-tempid-28	3	yes
nvit-mirna-tempid-29	3	yes
nvit-mirna-tempid-30	3	yes
nvit-mirna-tempid-31	3	yes
nvit-mirna-tempid-32	3	yes
nvit-mirna-tempid-33	3	yes
nvit-mirna-tempid-34	3	yes
nvit-mirna-tempid-35	3	yes
nvit-mirna-tempid-36	3	yes
nvit-mirna-tempid-37	3	yes
nvit-mirna-tempid-38	3	yes
nvit-mirna-tempid-39	3	yes
nvit-mirna-tempid-40	3	yes
nvit-mirna-tempid-41	3	yes
nvit-mirna-tempid-43	3	yes
nvit-mirna-tempid-44	3	yes
nvit-mirna-tempid-45	3	yes
nvit-mirna-tempid-46	3	yes
nvit-mirna-tempid-47	3	yes
nvit-mirna-tempid-49	3	yes
nvit-mirna-tempid-50	3	yes
nvit-mirna-tempid-52	3	yes
nvit-mirna-tempid-53	3	yes
nvit-mirna-tempid-54	3	yes
nvit-mirna-tempid-55	3	yes
nvit-mirna-tempid-56	3	yes
nvit-mirna-tempid-57	3	yes
nvit-mirna-tempid-58	3	yes
nvit-mirna-tempid-59	3	yes
nvit-mirna-tempid-60	3	yes
nvit-mirna-tempid-61	3	yes
nvit-mirna-tempid-63	3	yes
nvit-mirna-tempid-64	3	yes
nvit-mirna-tempid-65	3	yes
nvit-mirna-tempid-66	3	yes
nvit-mirna-tempid-67	3	yes
nvit-mirna-tempid-68	3	yes
nvit-mirna-tempid-70	3	yes
nvit-mirna-tempid-71	3	yes
nvit-mirna-tempid-72	3	yes
nvit-mirna-tempid-73	3	yes
nvit-mirna-tempid-74	3	yes
nvit-mirna-tempid-75	3	yes
nvit-mirna-tempid-76	3	yes
nvit-mirna-tempid-77	3	yes
nvit-mirna-tempid-79	3	yes
nvit-mirna-tempid-80	3	yes
nvit-mirna-tempid-81	3	yes
nvit-mirna-tempid-82	3	yes

nvit-mirna-tempid-83	3	yes
nvit-mirna-tempid-84	3	yes
nvit-mirna-tempid-86	3	yes
nvit-mirna-tempid-87	3	yes
nvit-mirna-tempid-88	3	yes
nvit-mirna-tempid-89	3	yes
nvit-mirna-tempid-90	3	yes
nvit-mirna-tempid-91	3	yes
nvit-mirna-tempid-92	3	yes
nvit-mirna-tempid-93	3	yes
nvit-mirna-tempid-94	3	yes

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