

Table S2. Viability of *let-7(mg279) mir-84(tm1304)* mutant adults following inactivation of genes implicated in molting

RNAi	Viable (n)	Total (n)	% Viable	Chi-square	P-value
vector 1	6	117	5	N.A.	N.A.
<i>gfp</i> 1	2	137	1	2.78	0.100
vector 2	2	124	2	N.A.	N.A.
<i>gfp</i> 2	1	59	2	0.00	1.000
<i>nhr-23</i>	63	63	100	155.92	0.001
<i>nhr-23</i>	141	148	95	237.36	0.001
<i>nhr-25</i>	18	21	86	80.48	0.001
<i>rpl-32</i>	27	60	45	57.33	0.001
<i>rpl-27</i>	5	15	33	28.15	0.001
<i>rpl-31</i>	17	67	25	27.41	0.001
Y37D8A.21	19	81	23	25.43	0.001
<i>rps-6</i>	10	60	17	15.03	0.001
<i>vha-16</i>	14	89	16	14.86	0.001
<i>rps-32</i>	8	52	15	4.98	0.050
<i>nsf-1</i>	4	38	11	1.38	1.000
<i>pas-1</i>	4	39	10	6.25	0.025
<i>vha-9</i>	5	49	10	1.44	1.000
<i>noah-1</i>	5	53	9	1.12	1.000
F20G4.1	3	33	9	0.72	1.000
<i>mua-6</i>	1	11	9	0.31	1.000
<i>pod-2</i>	3	35	9	0.57	1.000
<i>noah-2</i>	3	35	9	0.57	1.000
<i>bli-1</i>	4	50	8	0.51	1.000
<i>pan-1</i>	4	51	8	0.47	1.000
<i>lev-11</i>	3	39	8	3.69	0.100
<i>acn-1</i>	3	43	7	0.20	1.000
F25H8.6	3	49	6	2.54	0.200
<i>stc-1</i>	5	82	6	0.09	1.000
T01C3.1	4	69	6	0.04	1.000
<i>let-92</i>	2	39	5	0.00	1.000
<i>ntl-1</i>	3	64	5	0.02	1.000
<i>emo-1</i>	2	43	5	1.26	1.000
C37C3.3	2	43	5	0.02	1.000
<i>nas-36</i>	3	66	5	0.03	1.000
W03F9.10	3	67	4	1.40	1.000
F53G12.4	2	45	4	0.03	1.000
T25B9.10	2	46	4	1.09	1.000
F49C12.12	1	23	4	0.02	1.000
<i>alg-1</i>	2	47	4	0.06	1.000
Y48B6A.3	2	49	4	0.08	1.000
C23G10.10	2	51	4	0.86	1.000
M03F8.3	2	52	4	0.13	1.000
K12H4.4	2	53	4	0.15	1.000
<i>imb-3</i>	2	59	3	0.59	1.000
Y51H1A.3	2	61	3	0.54	1.000
<i>qua-1</i>	3	93	3	0.46	1.000
<i>mlt-11</i>	2	65	3	0.42	1.000
<i>bli-3</i>	2	70	3	0.55	1.000
<i>npp-20</i>	1	37	3	0.19	1.000
D1054.15	3	111	3	0.88	1.000
<i>mlt-10</i>	1	38	3	0.41	1.000
F56C9.12	1	40	3	0.13	1.000
<i>lin-66</i>	1	40	3	0.13	1.000
T23F2.1	1	40	3	0.48	1.000
K04A8.6	2	82	2	0.18	1.000
Y65B4A.6	1	42	2	0.10	1.000
<i>let-805</i>	1	42	2	0.02	1.000
<i>mlt-8</i>	1	43	2	0.59	1.000
F40G9.1	1	43	2	0.03	1.000
<i>crs-2</i>	1	44	2	0.08	1.000
ZK430.8	1	44	2	0.63	1.000
<i>adt-2</i>	1	47	2	0.74	1.000
<i>bli-5</i>	1	48	2	0.78	1.000
<i>mec-7</i>	1	49	2	0.04	1.000
<i>lir-1</i>	1	49	2	0.82	1.000
<i>psa-1</i>	1	50	2	0.03	1.000
<i>ifc-2</i>	1	50	2	0.85	1.000

<i>skp-1</i>	1	62	2	1.33	1.000
<i>vrs-2</i>	1	66	2	0.00	1.000
<i>lrp-1</i>	1	109	1	0.22	1.000
<i>pas-7</i>	0	81	0	1.32	1.000
<i>Y47D3B.1</i>	0	53	0	0.86	1.000
<i>est-1</i>	0	57	0	0.93	1.000
<i>gei-16</i>	0	88	0	1.43	1.000
<i>Y54E10BR.5</i>	0	47	0	0.77	1.000
<i>Y53F4B.22</i>	0	71	0	1.16	1.000
<i>ZC13.3</i>	0	30	0	0.49	1.000
<i>T19A5.3</i>	0	27	0	0.44	1.000
<i>R06A4.9</i>	0	21	0	0.34	1.000
<i>lrp-1</i>	0	27	0	1.44	1.000
<i>nhr-6</i>	0	38	0	2.03	0.200
<i>nhr-41</i>	0	33	0	1.76	0.200
<i>bli-4</i>	0	36	0	1.92	0.200
<i>dmd-5</i>	0	39	0	2.08	0.200
<i>rme-8</i>	0	50	0	2.66	0.200
<i>ran-4</i>	0	41	0	2.19	0.200
<i>F53B8.1</i>	0	43	0	2.29	0.200
<i>pbs-5</i>	0	45	0	2.40	0.200
<i>ptr-23</i>	0	37	0	1.97	0.200
<i>fbn-1</i>	0	63	0	3.34	0.100
<i>unc-52</i>	0	50	0	2.66	0.200
<i>F38A1.8</i>	0	31	0	1.66	0.200
<i>npp-6</i>	0	32	0	1.71	0.200
<i>kin-2</i>	0	44	0	2.34	0.200
<i>ptr-4</i>	0	41	0	2.19	0.200
<i>M03F4.7</i>	0	40	0	2.13	0.200
<i>C23F12.1</i>	0	17	0	0.91	1.000
<i>nas-37</i>	0	24	0	1.29	1.000
<i>mlt-9</i>	0	10	0	0.54	1.000
<i>vha-8</i>	0	31	0	1.66	0.200

Viability of the identical animals described for Table S1 was assessed by visual inspection approximately 45 hours after transfer to *E. coli* expressing dsRNA. Values for particular gene inactivations represent the combined results from two independent experiments. In this table, values reported for vector 1 and vector 2 include the combined results from multiple independent samples reported separately in Table S1 as, respectively, vector 1, 2, 3, and 4, or vector 5 and 6. Note that RNAi of a very small number of these genes, including Y37D8A.21, did not reproducibly interfere with molting of larvae, and those particular genes were therefore not discussed in Frand et al., 2005.