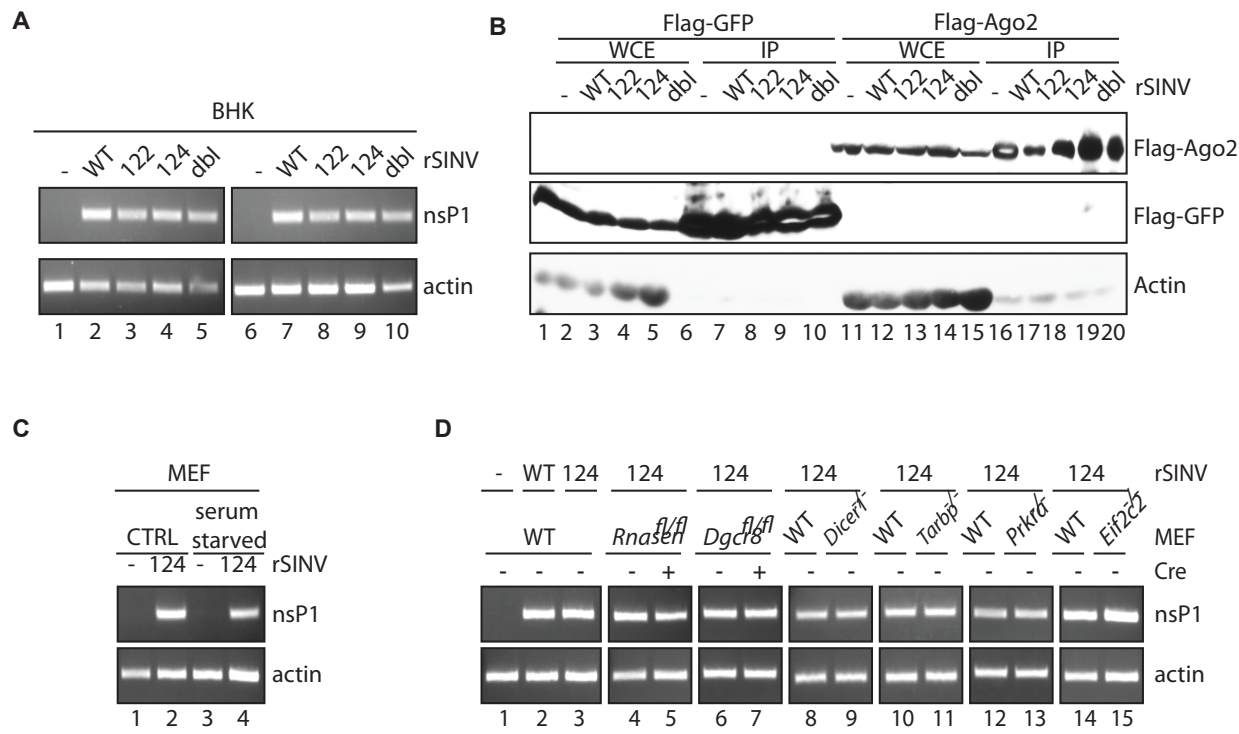


SUPPLEMENTAL FIGURE 1



SUPPLEMENTAL FIGURE 1. Virus expression levels. (A) Semiquantitative RT-PCR of SINV-specific nsP1 (top) and total actin (bottom) corresponding with Figure 1A. (B) Western blot probed with either anti-Flag demonstrating Ago2 (top) and GFP (middle) expression or with anti-actin (bottom) corresponding with Figure 1B. (C) Semiquantitative RT-PCR of nsP1 (top) and total actin (bottom) corresponding with Figure 2B. (D) Semiquantitative RT-PCR of nsP1 (top) and total actin (bottom) corresponding with Figure 3.

SUPPLMENTAL TABLE 1

relative fold change over CTRL +/- S.E.M.

	pri-miRNA to mature	Relative ratio: pri-miRNA to mature
CTRL	1.00 +/- 0.00	1.00 : 1.25
Serum starved	1.08 +/- 0.14	1.00 : 1.25

Note: * indicates $p < 0.05$.

SUPPLEMENTAL TABLE 1. Quantification of c-pri-miRNA processing upon serum starvation corresponding to Figure 2B. Samples were analyzed in triplicate, and two-tailed, unpaired student's T test was performed. * signifies $p < 0.05$.

SUPPLEMENTAL TABLE 2

relative fold change over wt MEF +/- S.E.M.

knockout cell line	pri-miRNA to pre-miRNA	pri-miRNA to mature	pre-miRNA to mature
wtMEF	1.00 +/- 0.00	1.00 +/- 0.00	1.00 +/- 0.00
Drosha	0.01 +/- 0.01*	0.00 +/- 0.00*	0.05 +/- 0.05*
DGCR8	2.02 +/- 0.20*	0.27 +/- 0.10*	0.12 +/- 0.03*
Dicer	1.04 +/- 0.38	0.00 +/- 0.00*	0.00 +/- 0.00*
TRBP2	1.01 +/- 0.15	1.56 +/- 0.16	1.61 +/- 0.15
PACT	7.15 +/- 5.45	2.30 +/- 1.59	0.43 +/- 0.19
AGO2	1.13 +/- 0.18	0.78 +/- 0.55	0.54 +/- 0.42

Note: * indicates $p < 0.05$.

SUPPLEMENTAL TABLE 2. Quantification of c-pri-miRNA processing in knockout MEFs corresponding to Figure 3. Samples were analyzed in triplicate, and two-tailed, unpaired student's T test was performed. * signifies $p < 0.05$.

SUPPLEMENTAL TABLE 3

% total annotated miRNAs			
final_ann	MEF_mock	MEF_sv	MEF_sv124
mmu-mir-21	10.266	15.706	16.208
mmu-mir-22	18.929	14.689	11.626
mmu-mir-29b-2	6.246	8.551	8.028
mmu-let-7f-1	5.770	6.260	5.570
mmu-mir-31	5.034	4.805	4.730
mmu-mir-24-1	3.190	3.604	4.515
mmu-mir-124-1	0.000	0.001	4.284
mmu-mir-16-1	3.616	3.522	3.847
mmu-let-7c-2	5.419	3.236	3.071
mmu-mir-20a	2.255	3.162	2.856
mmu-let-7i	4.019	3.179	2.806
mmu-let-7a-1	2.033	2.142	1.923
mmu-let-7e	1.685	1.407	1.461
mmu-mir-29a	0.734	1.393	1.389
mmu-let-7d	1.314	1.580	1.389
mmu-mir-103-1	1.309	1.009	1.124
mmu-mir-23a	0.508	1.138	1.074
mmu-let-7b	2.381	1.034	1.029
mmu-let-7g	1.144	1.121	1.012
mmu-mir-26a-2	1.352	0.925	0.998
mmu-mir-221	0.856	1.219	0.972
mmu-mir-30a	0.670	0.773	0.794
mmu-mir-26b	0.500	0.688	0.759
mmu-mir-93	1.047	0.833	0.742
mmu-mir-17	0.609	0.814	0.741
mmu-mir-151	0.702	0.601	0.709
mmu-mir-143	0.797	0.810	0.672
mmu-mir-98	0.622	0.576	0.598
mmu-mir-15b	0.335	0.579	0.587
mmu-mir-27a	0.505	0.522	0.554
mmu-mir-18a	0.463	0.612	0.536
mmu-mir-28	0.496	0.543	0.534
mmu-mir-130a	0.520	0.418	0.492
mmu-mir-25	0.530	0.470	0.474
mmu-mir-27b	0.420	0.392	0.447
mmu-mir-186	0.604	0.430	0.446
mmu-mir-101b	0.406	0.450	0.434
mmu-mir-30d	0.370	0.405	0.431
mmu-mir-10a	0.821	0.451	0.377
mmu-mir-191	0.416	0.327	0.328
mmu-mir-30e	0.260	0.329	0.319
mmu-mir-125b-2	0.320	0.457	0.318
mmu-mir-15a	0.234	0.286	0.315
mmu-mir-301a	0.205	0.234	0.267
mmu-mir-374	0.091	0.169	0.260
mmu-mir-34c	0.268	0.220	0.252
mmu-mir-34a	0.163	0.257	0.240
mmu-mir-423	0.351	0.259	0.239

% total annotated miRNAs			
final_ann	MEF_mock	MEF_sv	MEF_sv124
mmu-mir-7a-1	0.202	0.245	0.236
mmu-mir-322	0.395	0.200	0.223
mmu-mir-106b	0.214	0.227	0.219
mmu-mir-196a-1	0.155	0.201	0.216
mmu-mir-541	0.349	0.209	0.212
mmu-mir-669a-1	0.172	0.207	0.198
mmu-mir-125a	0.376	0.242	0.195
mmu-mir-674	0.181	0.111	0.174
mmu-mir-182	0.153	0.178	0.167
mmu-mir-183	0.170	0.167	0.158
mmu-mir-222	0.129	0.162	0.148
mmu-mir-92a-1	0.241	0.144	0.148
mmu-mir-140	0.163	0.148	0.146
mmu-mir-185	0.194	0.116	0.141
mmu-mir-320	0.261	0.147	0.128
mmu-mir-379	0.152	0.095	0.126
mmu-mir-23b	0.062	0.129	0.124
mmu-mir-127	0.259	0.139	0.123
mmu-mir-206	0.109	0.069	0.122
mmu-mir-324	0.204	0.115	0.120
mmu-mir-99b	0.381	0.214	0.108
mmu-mir-30c-2	0.092	0.112	0.106
mmu-mir-214	0.158	0.149	0.097
mmu-mir-652	0.187	0.092	0.097
mmu-mir-196b	0.170	0.100	0.096
mmu-mir-425	0.135	0.110	0.092

Note: annotated miRNAs with values below 0.1% are not represented.

SUPPLEMENTAL TABLE 3. Percent of total annotated miRNAs captured from deep sequencing analyses in Figure 4B and 4C. Annotated miRNAs with values below 0.1% are not depicted.

