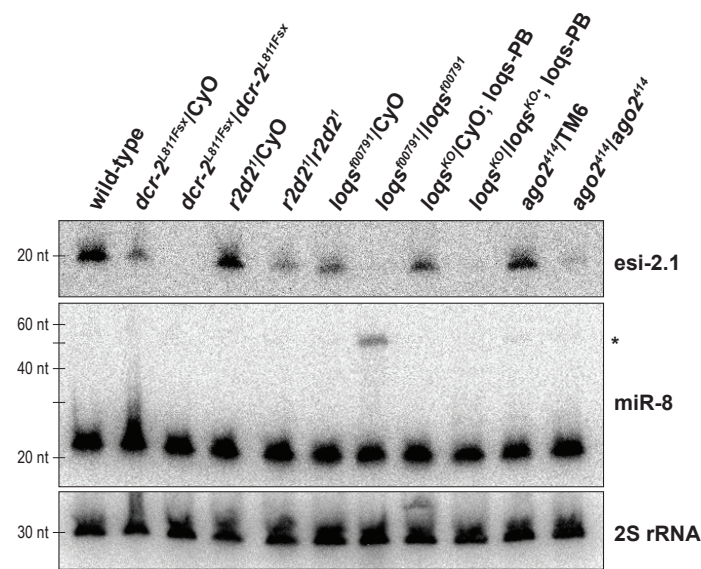
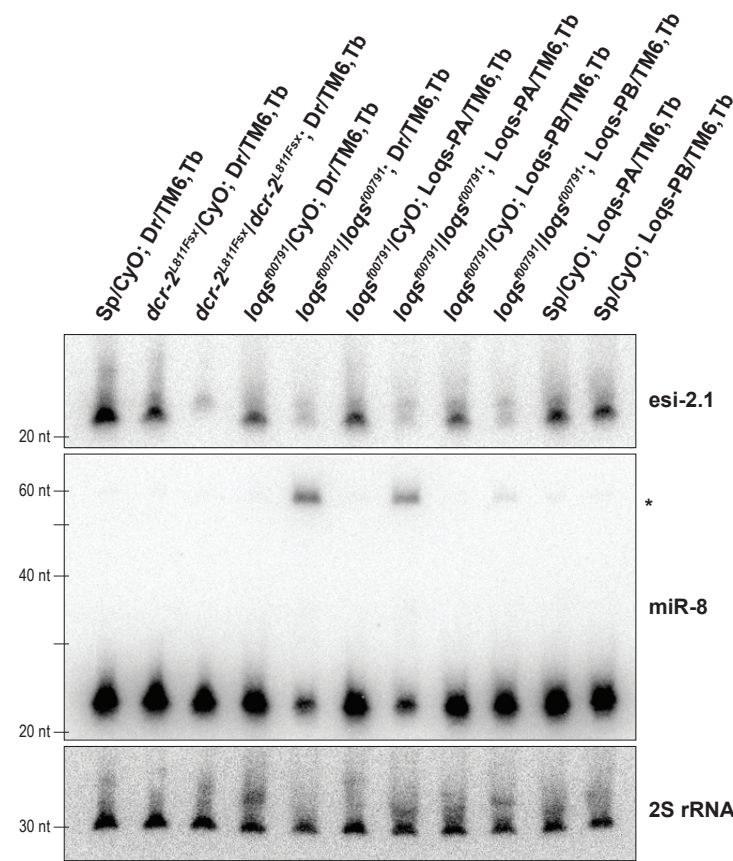
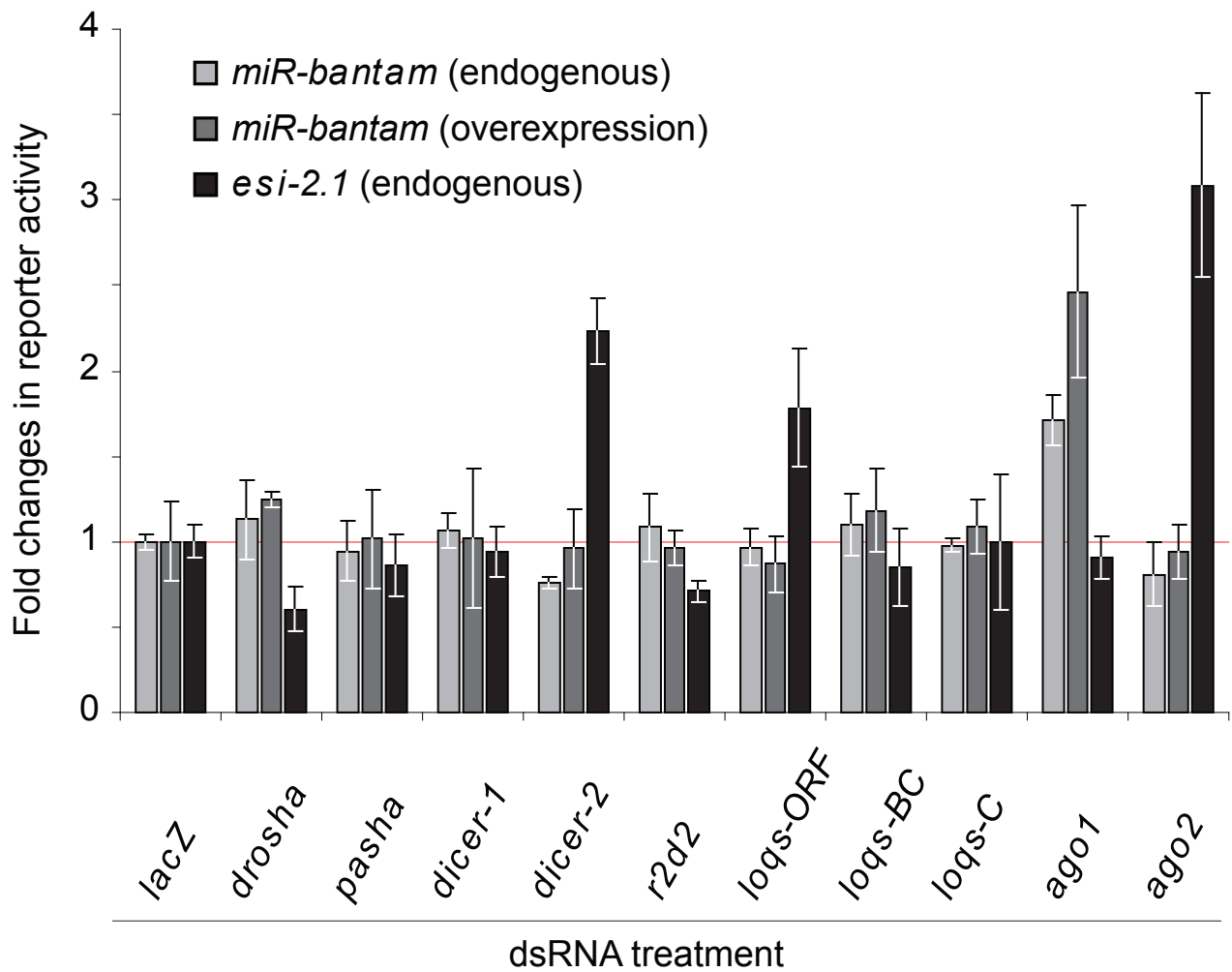


A



B





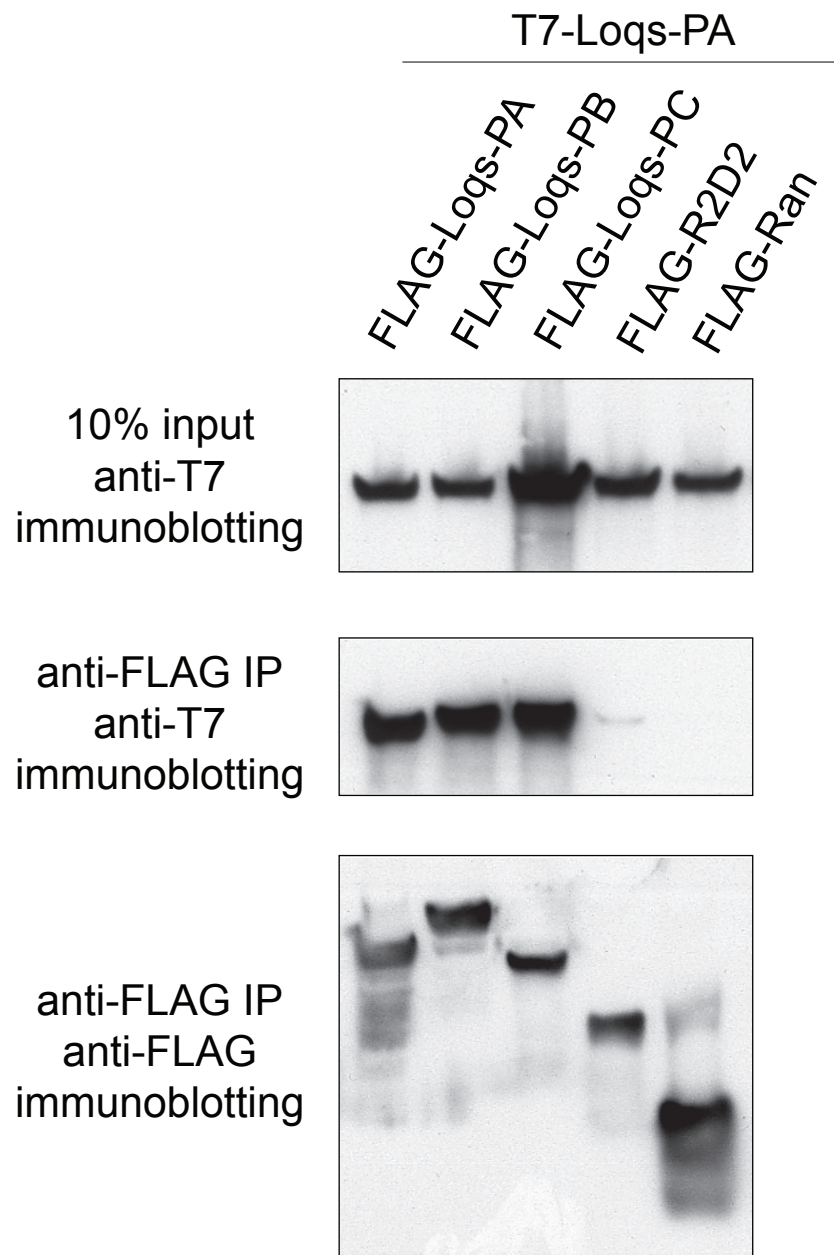


Table S1

DNA Oligonucleotides*dsRNA generating PCR primers:*

T7-Dicer1-F	TAATACGACTCACTATAGGGTGGCACAACAATCTGC
T7-Dicer1-R	TAATACGACTCACTATAGGGTCAGTTGCTGCAGCTCAC
T7-Dicer2-F	TAATACGACTCACTATAGGGAAGATGTGGAAATCAAGCC
T7-Dicer2-R	TAATACGACTCACTATAGGGCCACGTTCTGTAATTTTC
T7-Drosha-F	TAATACGACTCACTATAGGGTGAATCAGGACTGGAACG
T7-Drosha-R	TAATACGACTCACTATAGGGAGCCATCGCTATCACTGC
T7-Ago1-F	TAATACGACTCACTATAGGGAACGGACAGACCGTAGAG
T7-Ago1-R	TAATACGACTCACTATAGGGTGGCGTACTTACAGAAGC
T7-Ago2-F	TAATACGACTCACTATAGGGAGCCACATCGACGAACG
T7-Ago2-R	TAATACGACTCACTATAGGGCGAGGATCATCCTTGATC
T7-R2D2-F	TAATACGACTCACTATAGGGCATACGCGCTTGATGAAGGATTC
T7-R2D2-R	TAATACGACTCACTATAGGGTTGCTTGCTGCTGCTACTTGC
T7-Pasha-F	TAATACGACTCACTATAGGGACTTTGAAGTCTCACC
T7-Pasha-R	TAATACGACTCACTATAGGGCTCCTTGAACTCATAGG
T7-Loqs-ORF-F	TAATACGACTCACTATAGGGGATGGACGAGGAGAATTTCC
T7-Loqs-ORF-R	TAATACGACTCACTATAGGGAAGGGCGTATCCTTGTC
T7-Loqs-BC268-F	TAATACGACTCACTATAGGGAACGAATCTGTAAAGCACCTTTTC
T7-Loqs-BC268-R	TAATACGACTCACTATAGGGCTGTAACCTTAAGCAGTTTTTTGCC
Loqs-C-lacZ-R	CGGATGGTTCGGATAATGCTGTAATAAGAGCGCAAAGTTTT
Loqs-C-lacZ-F	AAAACCTTTGCGCTCTTATTACAGCATTATCCGAACCATCCG
Loqs-BC-lacZ-R	CGGATGGTTCGGATAATGCTGTAACCTTAAGCAGTTTTTTGC
Loqs-BC-lacZ-F	GCAAAAAAAGCTGCTAAGTTACAGCATTATCCGAACCATCCG
T7-LacZ-R-1580	TAATACGACTCACTATAGGGCCAGGTAGCGAAAGCCAT
T7-Loqs-C-R	TAATACGACTCACTATAGGGCTGTAATAAGAGCGCAAAGTTTT
T7-Loqs-RD-F	TAATACGACTCACTATAGGGTGAGTATCATTCAAGACATCG
T7-Loqs-RD-R	TAATACGACTCACTATAGGGTAAAGGTGAAGCATTATGTTAATTATATGTATAAATTATG
T7-LacZ-F	TAATACGACTCACTATAGGGCATTATCCGAACCATCC
T7-LacZ-R	TAATACGACTCACTATAGGGCAGAACTGGCGATCGTTTCG
T7-loqs-3-UTR-F	TAATACGACTCACTATAGGGGTGCAGCCTGAATAG
T7-loqs-3-UTR-R	TAATACGACTCACTATAGGGAGTAGCGATTACCAAAATACCG
T7-loqs-5-UTR-F	TAATACGACTCACTATAGGGGCAACCAAAATATCAGTAAAAATAC
T7-loqs-5-UTR-R	TAATACGACTCACTATAGGGGTGTTCTTGTTTGCACG
Loqs-5-UTR-lacZ-R	CGGATGGTTCGGATAATGGTGTCTTGTTTGCAC
Loqs-5-UTR-lacZ-F	GTGCAAAACAAGAACACCATTATCCGAACCATCCG

siRNA sensor oligos:

Bam-si2-S2-2P-F	GATCCCAACAGTTTATTGGAGCGAACTTGTGGAGTCAAAATGAACTGAGGGTGGAGCGAACTTGTGGAGTCAAG
Sal-si2-S2-2P-R	TCGATTTGACTCCCAACAAGTTCGCTCCACCTCAGTTCATTTTGACTCCAACAAGTTCGCTCCAATAAACTGTTGG
miR-bantam_guide_bulged-F	TCCAATCAGCTTTCCATGATCTCAAATGATATGAATCAGCTTTCCATGATCTCAAATGAACTGAATCAGCTTTCCATGATCTCA
miR_bantam_guide_bulged-R	TCCATGAGATCATAGGAAAGCTGATTCAGTTCAATTTGAGATCATAGGAAAGCTGATTCATATCATTTGAGATCATAGGAAAGCTGAT

RT-PCR:

Loqs-F	GGCAAAATCAGCGACAGC
Loqs-R	CATCGGCAGCTGTTGGTC

Northern probes:

esi-2.1	GGAGCGAACTTGTGGAGTCAA
esi-1.2	CATTTGATCCATAGTTTCCCG
esi-4.1	CCCTTCGCGTTTGGCCAACTC
miR-bantam	AATCAGCTTTCAAATGATCTCA
miR-277	TGTCGTACCAGATAGTGCATTTA
miR-8	GACATCTTTACCTGACAGTATTA
DM1731.1	CGGGGTCTTCAGATCACC
DM1731.2	CAACAGCTCTTCAGCTCTGCT
DM1731.3	CAACAAACGTTTGCTCAGCAA
DM1731.4	CGCCCTAGGAGCTGCCTAAA
DM1731.5	AGACGCTCTGGTAGAATTGA
DM1731.6	GCCCGTCCGAACAATCTTTGG
DM1731.7	CGAGCCAACCGCACGCTAGTA
DM1731.8	AGCATCCAAGTGCCTTCAGTG
Klarsicht.1	GCCCAATCGATCAGAGCCAAT
Klarsicht.2	TGCCAACCGATTGTGGAGCAC
Klarsicht.3	CAGCTGCGGCTGCGATCGGGA
Klarsicht.4	GCCGCATCCGAGTCGAAATTG
Klarsicht.5	ACGAAACTCTGTAAACTTAA
Klarsicht.6	GACACCCATTGATAGAATCG
Klarsicht.7	GCACAGGAAGAAACGCTCGAA
Klarsicht.8	ACGCCAAGTTTGGTGTCAAAA
2S rRNA	TACAACCTCAACCATATGTAGTCCAAGCA

Oligos for cloning:

Sac-Fla-Dor2-F1	GCCGAGCTCATGGACTACAAGGACGACGATGACAAGATGGAAGATGTGGAAATCAAG
Kpn-Dor2-R5169	GGGGTACCTTAGGCGTCGCAATTTGCTTAG
EcoR-Fla-Loq-F1	GGAATTCATGGACTACAAGGACGACGATGACAAGATGGACCAGGAGAATTTCC
EcoR-T7-Loq-F1	GGAATTCATGGCTAGCATGACTGGTGGACAGCAAATGGGTATGGACCAGGAGAATTTCC
Bam-Loq-R-1398	GGGGATCCTACTTCTTGGTTCATGATC
EcoR-Fla-Ran-F1	GGAATTCATGGACTACAAGGACGACGATGACAAGATGGCTCAGGAAGGTCAG
EcoR-T7-Ran-F1	GGAATTCATGGCTAGCATGACTGGTGGACAGCAAATGGGTATGGCTCAGGAAGGTCAG
Bam-Ran-R-651	GGGGATCCTTATAGCTCCTCGTCTTC
Kpn-Fla-R2D2-F1	GGGGTACCATGGACTACAAGGACGACGATGACAAGATGGATAACAAGTCAGCC
Kpn-T7-R2D2-F1	GGGGTACCATGGCTAGCATGACTGGTGGACAGCAAATGGGTATGGATAACAAGTCAGCC
Bam-R2D2-R-936	GGGGATCCTTAAATCAACATGGTGCAGAAATAG
new-MCS-NTAP-F	TCGAGGAGCTCGGTACCCCGGGGTCTAGAG
new-MCS-NTAP-R	GATCCTCTAGACCCCGGGGTACCGAGCTCC
Sac-Loqs-PA-F1	GCCGAGCTCATGGACAGGAGAATTTCC
Kpn-Loqs-PA-R1260	GGGGTACCTACTTCTTGGTCATGATCTTC
Sac-Fla-Loq-F1	GCCGAGCTCATGGACTACAAGGACGACGATGACAAGATGGACCAGGAGAATTTCC
Bam-Loqs-PC-R	GGGGATCCTACTGCGGGGCTGTAATAAGAG
Bam-Loqs-PD-R	GGGGATCCTTAGATCTTGATGAACCTCAAATCTTTAGAG