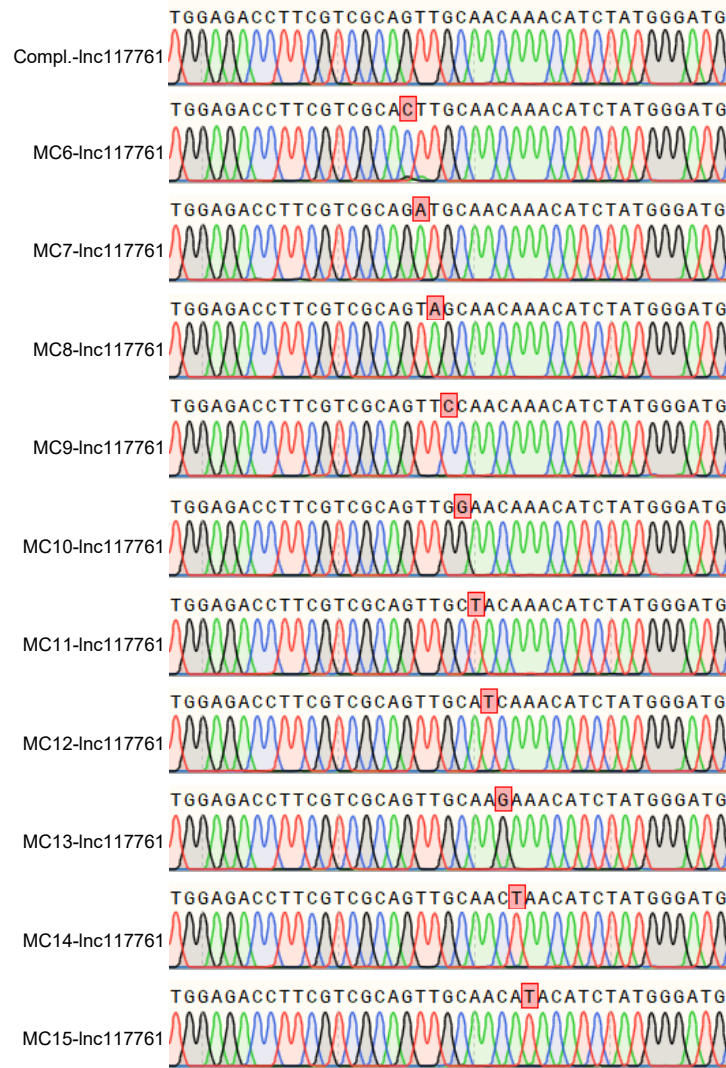
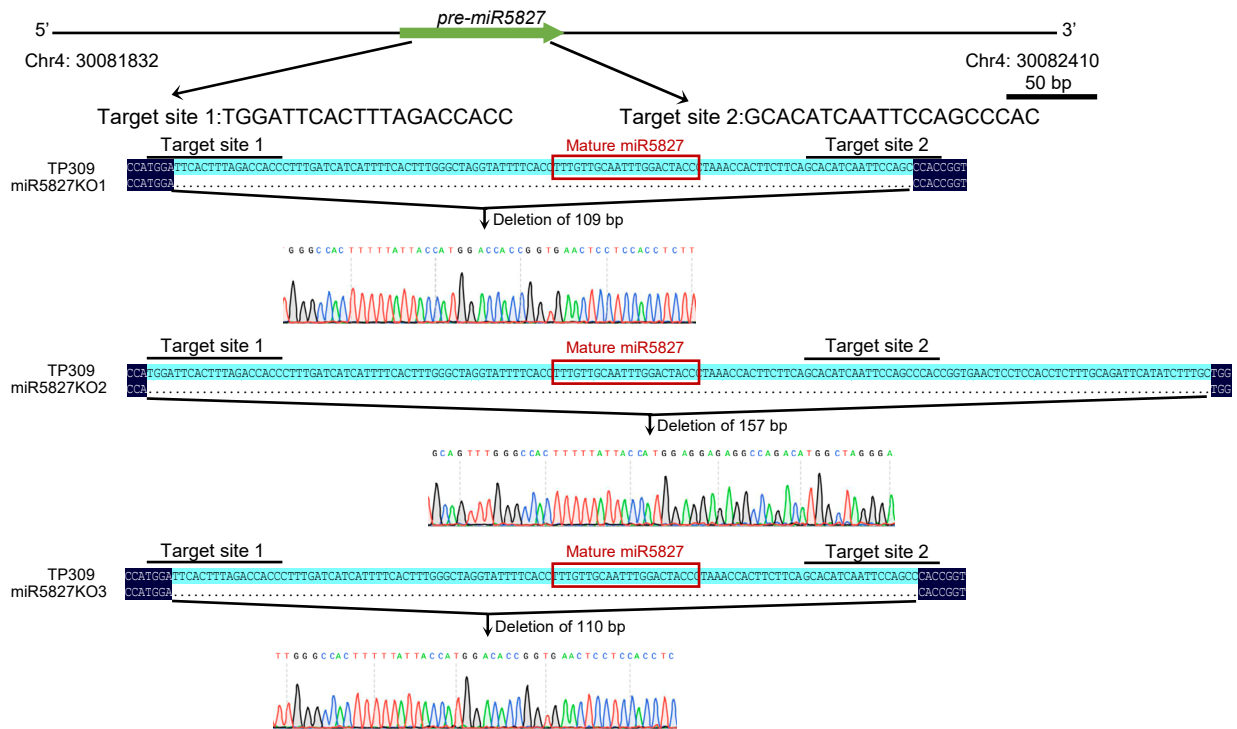

Supplementary information

A pathogen lncRNA secreted into rice sequesters a host miRNA for virulence

In the format provided by the
authors and unedited



Supplementary Figure 1. Sequencing verification of all point mutations in miR5827-binding site of *Inc117761* from different mutated *Inc117761* complemented strains (MC6-*Inc117761* to MC15-*Inc117761* obtained in Δ *Inc117761* background strain). The sequencing results are shown as chromatogram photos.



Supplementary Figure 2. Schematic drawing of two target sites designed for knocking out the precursor of miR5827 (green arrow) by the CRISPR/Cas9 system. Three independent miR5827KO lines (miR5827KO1, miR5827KO2 and miR5827KO3) were verified by sequencing after PCR amplification of the genomic DNA. These mutant lines showed a deletion of more than 100 bp (miR5827KO1: 109 bp, miR5827KO2: 157 bp and miR5827KO3: 110 bp) fragment containing mature miR5827 (highlighted in red boxes).

Supplementary Figure 3. The figures shown below present the Source Data Figures of original uncropped autoradiographs and electrophoresis gel images.

Raw image of EMSA for Fig. 1n

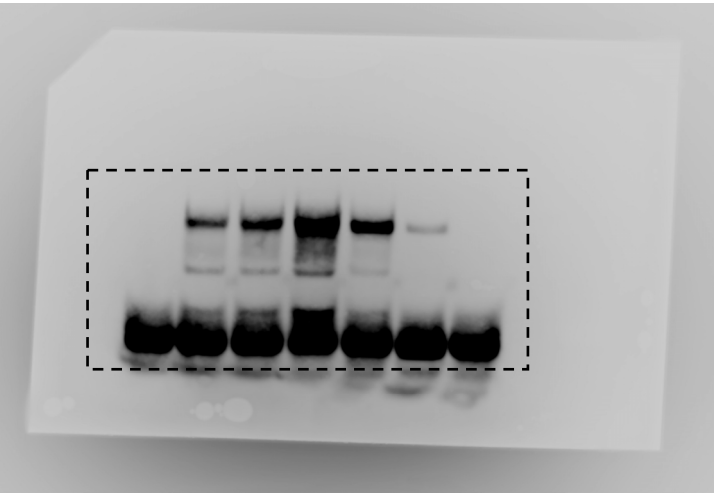


Image from Fig. 1n

n	Biotin-labeled miR5827	+	+	+	+	+	+	+
	Unlabeled miR5827	-	-	-	-	10×	100×	-
	MBS ^{Inc117761}	-	1×	5×	10×	10×	10×	-
	mMBS ^{Inc117761}	-	-	-	-	-	-	10×
	Shift band →							
			0.23	0.34	0.72	0.37	0.05	
	Free probe →							
		1	0.99	1.02	1.38	1.05	1.10	1.10

Raw image of EMSA for Fig. 2e

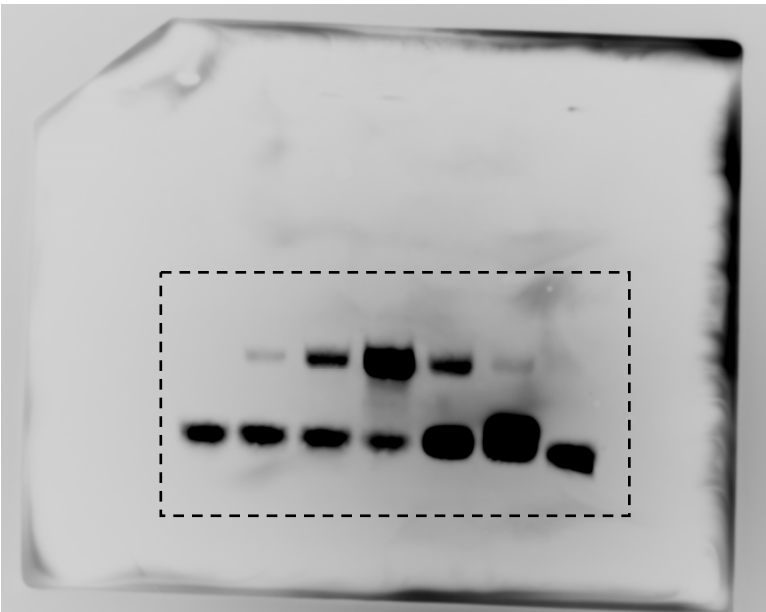


Image from Fig. 2e

e	Biotin-labeled miR5827	+	+	+	+	+	+	+
	Unlabeled miR5827	-	-	-	-	10×	100×	-
	MBS ^{PKR1}	-	1×	5×	10×	10×	10×	-
	mMBS ^{PKR1}	-	-	-	-	-	-	10×
	Shift band →							
			0.07	0.64	1.84	0.57	0.06	
	Free probe →							
		1	0.96	0.75	0.52	2.04	3.59	1.13

Raw image of western blot for Fig. 2g

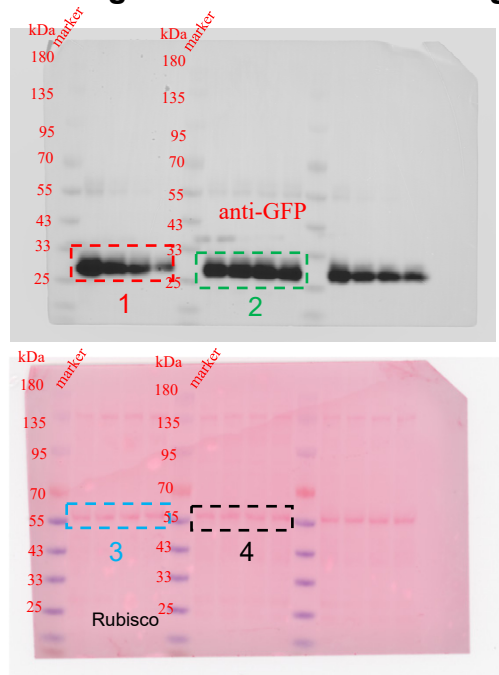
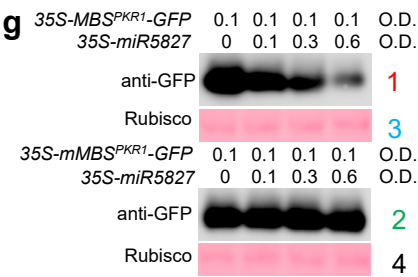


Image from Fig. 2g



Raw image of nucleic acid electrophoresis for Fig. 3b

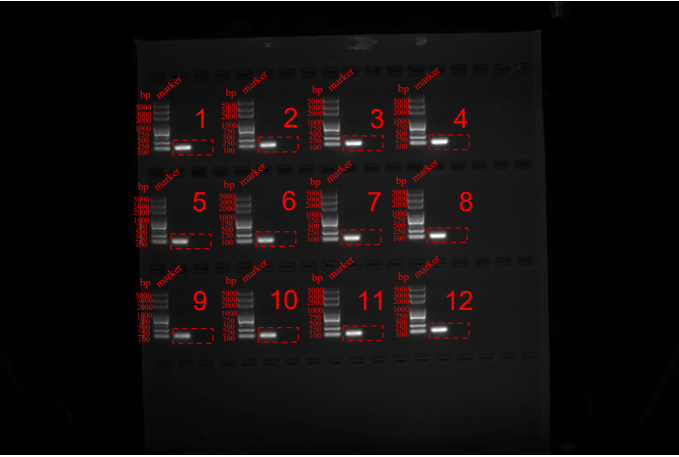
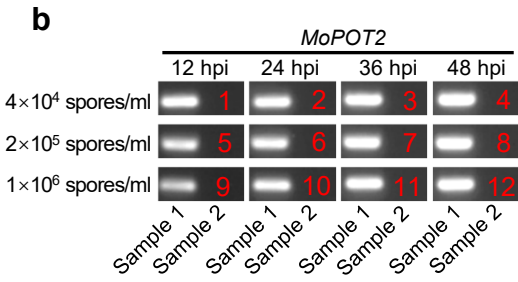


Image from Fig. 3b



Raw image of nucleic acid electrophoresis for Extended Data Fig. 1b

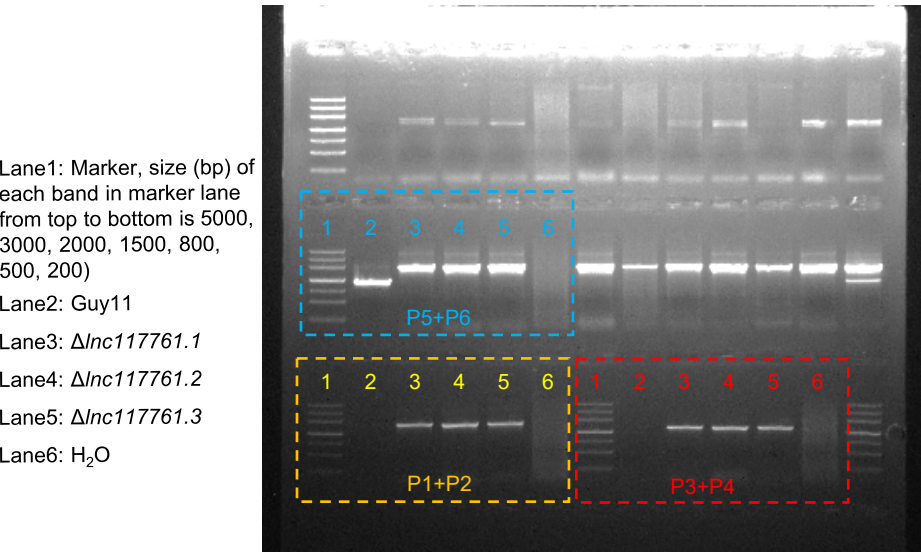
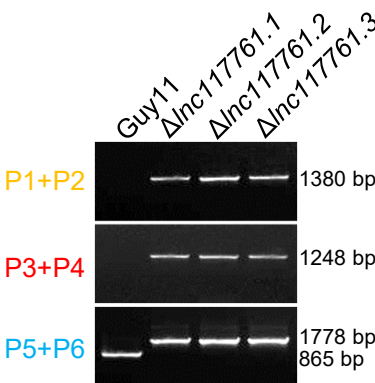


Image from Extended Data Fig. 1b



Raw image of nucleic acid electrophoresis for Extended Data Fig. 1l,m

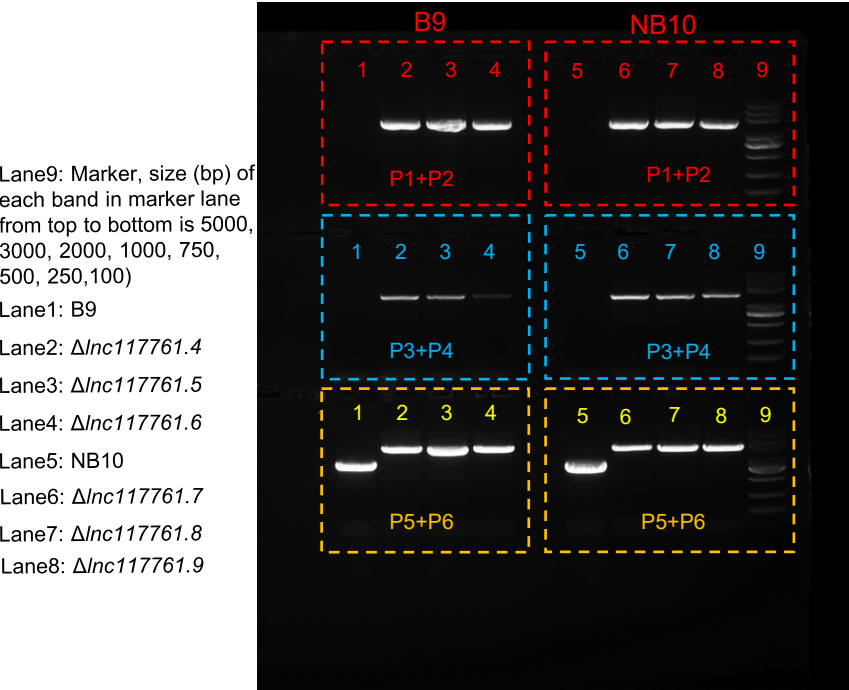


Image from Extended Data Fig. 1l

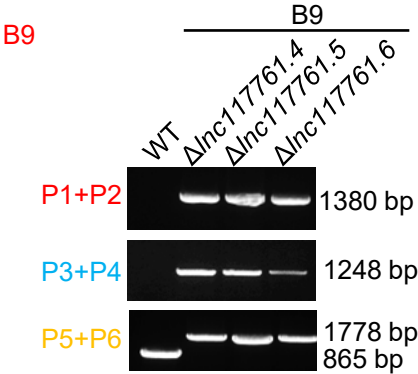
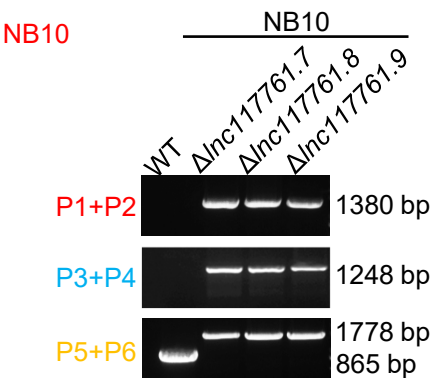


Image from Supplementary Fig. 1m



Raw image of nucleic acid electrophoresis for Extended Data Fig. 1n

Lane5: Marker, size (bp) of each band in marker lane from top to bottom is 5000, 3000, 2000, 1000, 750, 500, 250,100)

Lane1: ZB15

Lane2: $\Delta Inc117761.10$

Lane3: $\Delta Inc117761.11$

Lane4: $\Delta Inc117761.12$

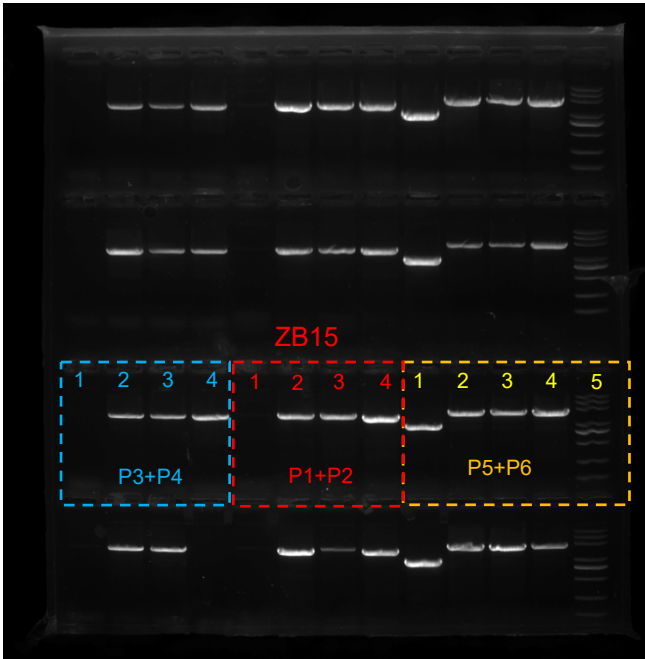
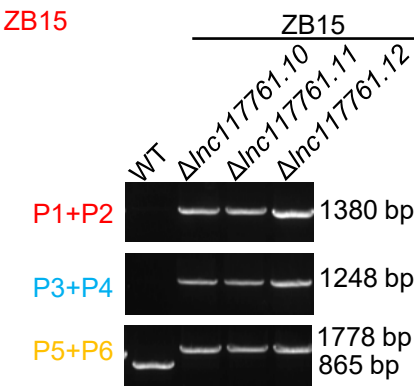


Image from Extended Data Fig. 1n



Raw image of western blot for Extended Data Fig. 3b

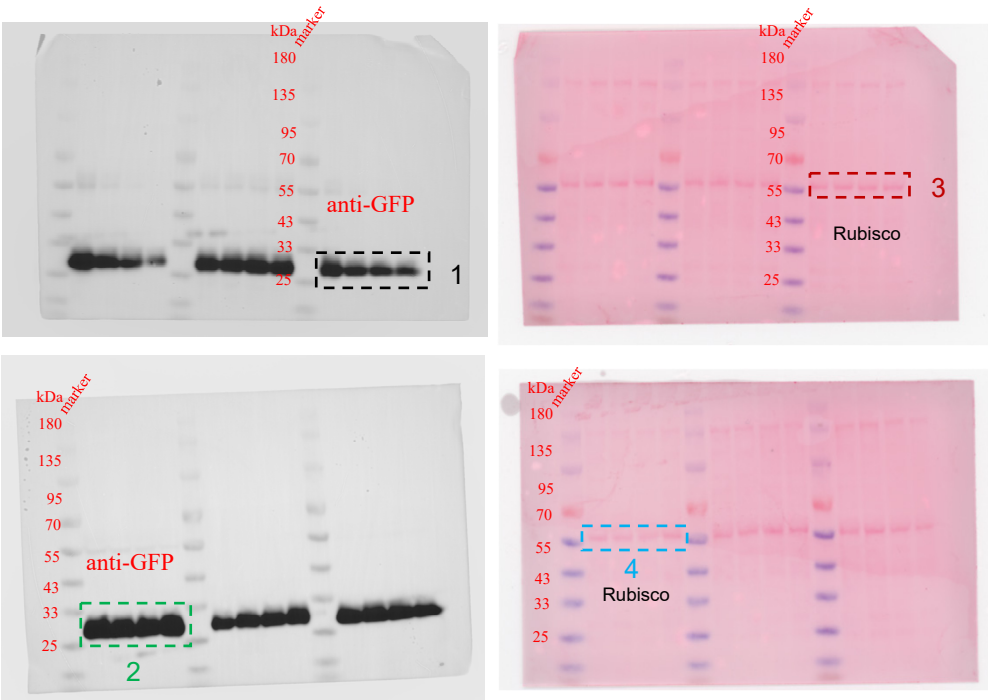


Image from Extended Data Fig. 3b



Raw image of nucleic acid electrophoresis for Extended Data Fig. 3e

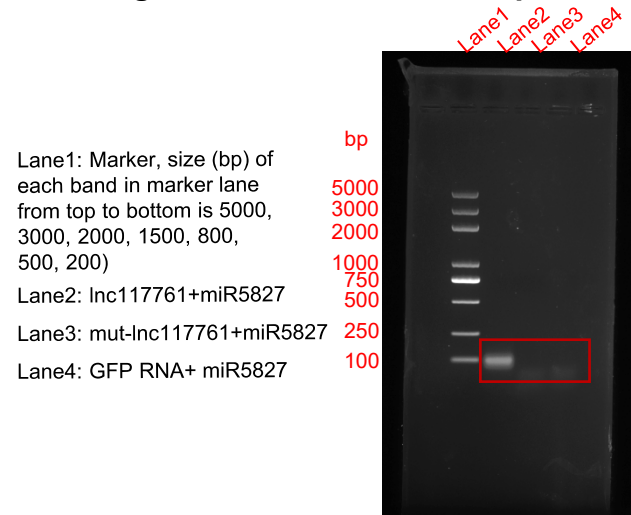
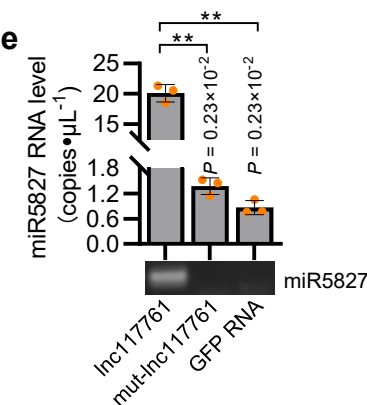


Image from Extended Data Fig. 3e



Raw image of nucleic acid electrophoresis for Extended Data Fig. 3h

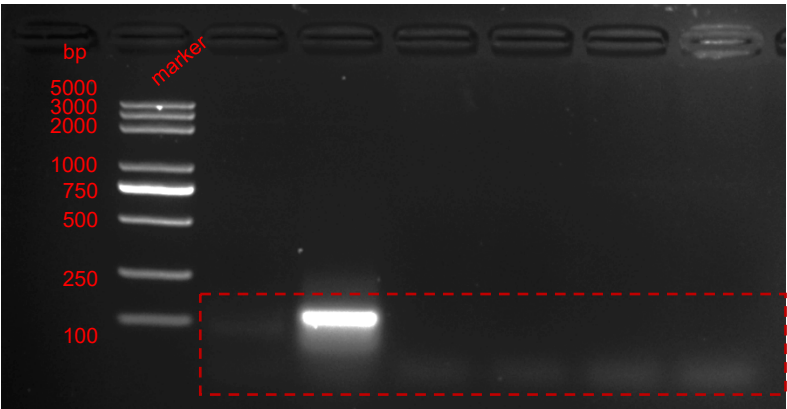
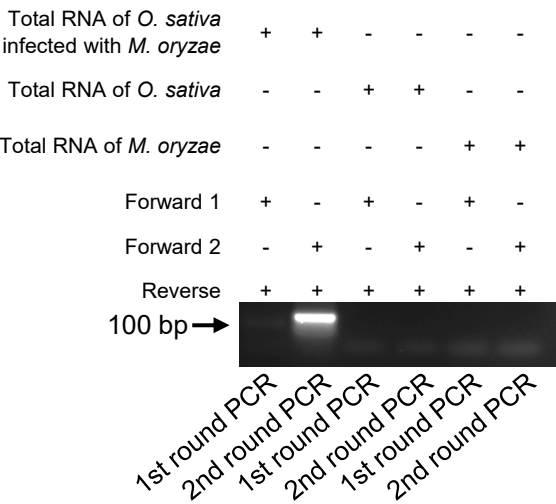


Image from Extended Data Fig. 3h



Raw image of nucleic acid electrophoresis for Extended Data Fig. 12d

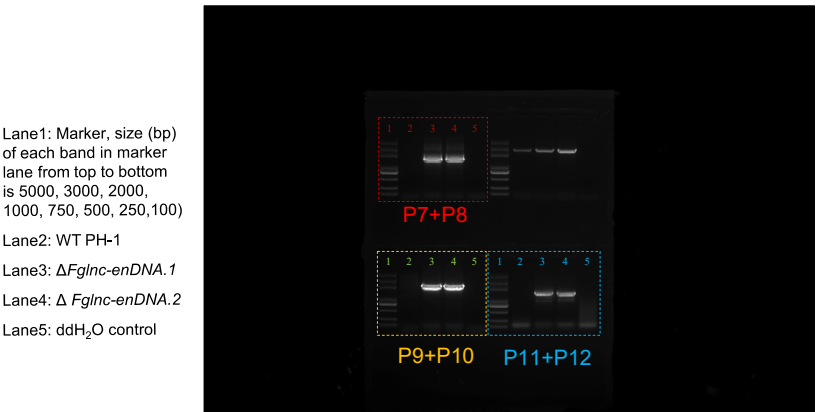
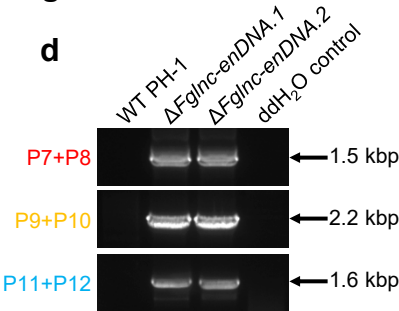


Image from Extended Data Fig. 12d



Raw image of EMSA for Extended Data Fig. 4c upper panel

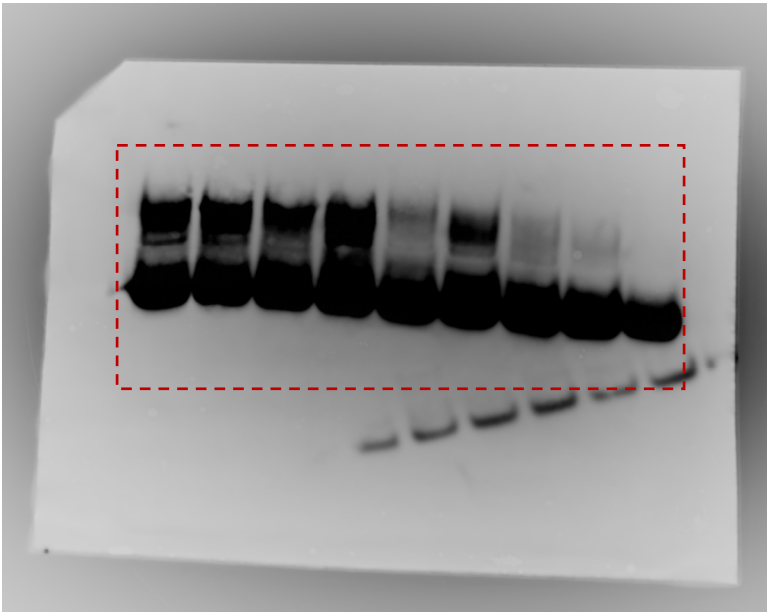
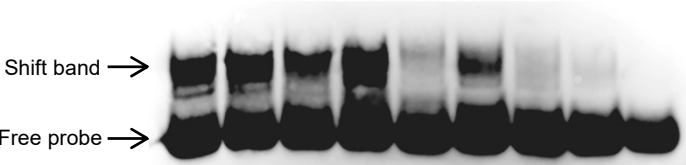


Image from Extended Data Fig. 4c upper panel

Biotin-labeled miR5827	+	+	+	+	+	+	+	+	+
MBS ^{Inc117761}	+	-	-	-	-	-	-	-	-
M1-MBS ^{Inc117761}	-	+	-	-	-	-	-	-	-
M2-MBS ^{Inc117761}	-	-	+	-	-	-	-	-	-
M3-MBS ^{Inc117761}	-	-	-	+	-	-	-	-	-
M4-MBS ^{Inc117761}	-	-	-	-	+	-	-	-	-
M5-MBS ^{Inc117761}	-	-	-	-	-	+	-	-	-
M6-MBS ^{Inc117761}	-	-	-	-	-	-	+	-	-
M7-MBS ^{Inc117761}	-	-	-	-	-	-	-	+	-
M8-MBS ^{Inc117761}	-	-	-	-	-	-	-	-	+



Raw image of EMSA for Extended Data Fig. 4c lower panel

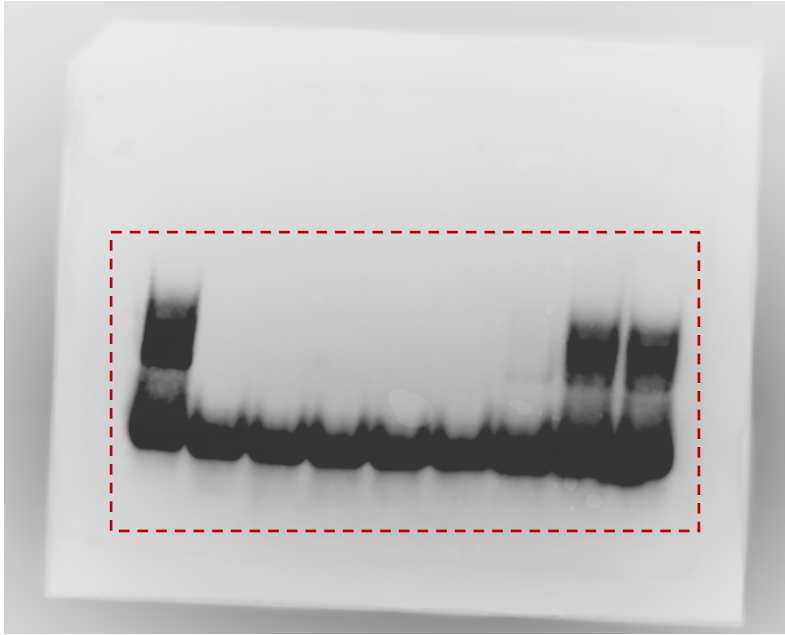
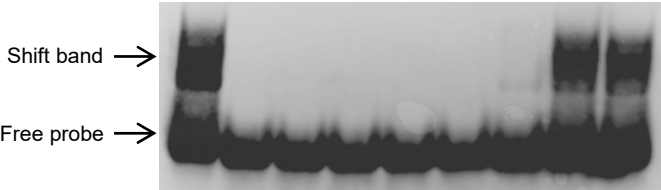


Image from Extended Data Fig. 4c lower panel

Biotin-labeled miR5827	+	+	+	+	+	+	+	+	+
MBS ^{Inc117761}	+	-	-	-	-	-	-	-	-
M9-MBS ^{Inc117761}	-	+	-	-	-	-	-	-	-
M10-MBS ^{Inc117761}	-	-	+	-	-	-	-	-	-
M11-MBS ^{Inc117761}	-	-	-	+	-	-	-	-	-
M12-MBS ^{Inc117761}	-	-	-	-	+	-	-	-	-
M13-MBS ^{Inc117761}	-	-	-	-	-	+	-	-	-
M14-MBS ^{Inc117761}	-	-	-	-	-	-	+	-	-
M15-MBS ^{Inc117761}	-	-	-	-	-	-	-	+	-
M16-MBS ^{Inc117761}	-	-	-	-	-	-	-	-	+



Raw image of EMSA for Extended Data Fig. 7g left panel

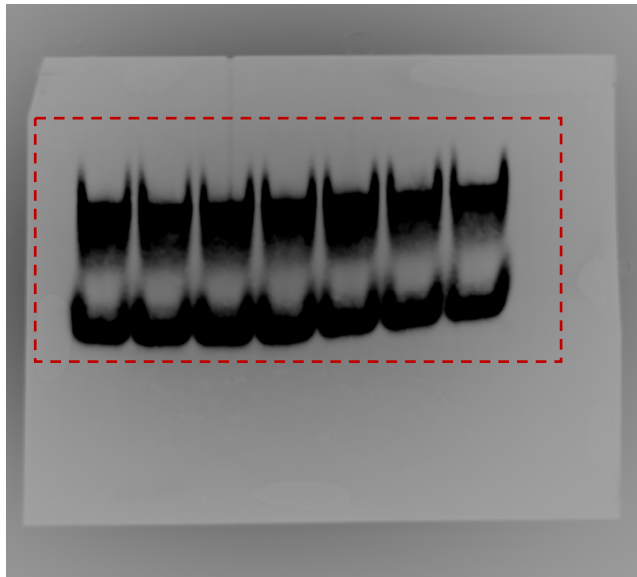
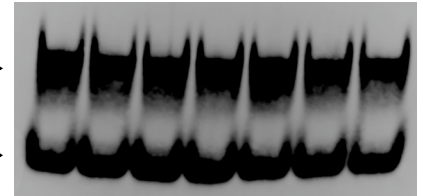


Image from Extended Data Fig. 7g left panel

Biotin-labeled miR5827	+	+	+	+	+	+	+
MBS ^{PKR1}	+	-	-	-	-	-	-
M1-MBS ^{PKR1}	-	+	-	-	-	-	-
M2-MBS ^{PKR1}	-	-	+	-	-	-	-
M3-MBS ^{PKR1}	-	-	-	+	-	-	-
M4-MBS ^{PKR1}	-	-	-	-	+	-	-
M5-MBS ^{PKR1}	-	-	-	-	-	+	-
M6-MBS ^{PKR1}	-	-	-	-	-	-	+

Shift band →

Free probe →



Raw image of EMSA for Extended Data Fig. 7g right panel

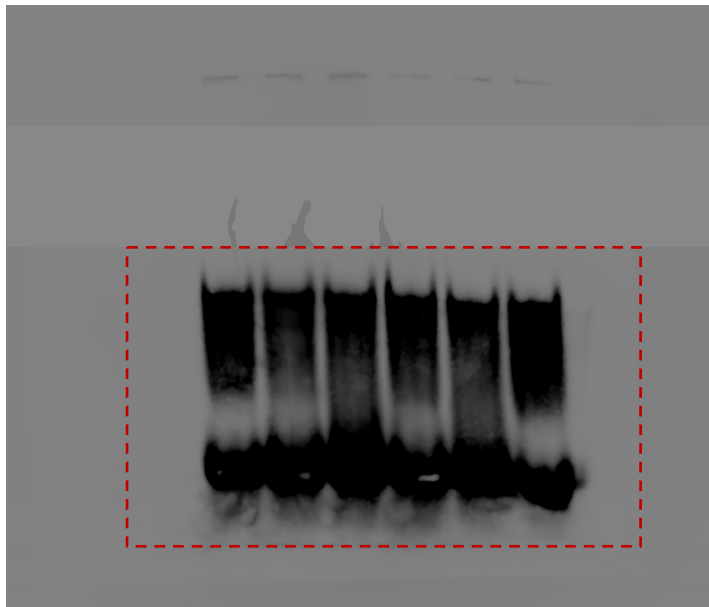
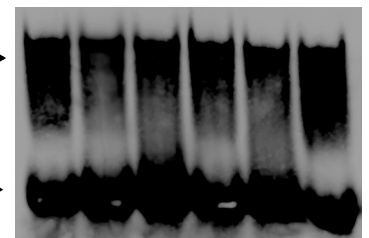


Image from Extended Data Fig. 7g right panel

Biotin-labeled miR5827	+	+	+	+	+	+
MBS ^{PKR1}	+	-	-	-	-	-
M7-MBS ^{PKR1}	-	+	-	-	-	-
M8-MBS ^{PKR1}	-	-	+	-	-	-
M9-MBS ^{PKR1}	-	-	-	+	-	-
M10-MBS ^{PKR1}	-	-	-	-	+	-
M11-MBS ^{PKR1}	-	-	-	-	-	+

Shift band →

Free probe →



Raw image of EMSA for Extended Data Fig. 7g middle panel

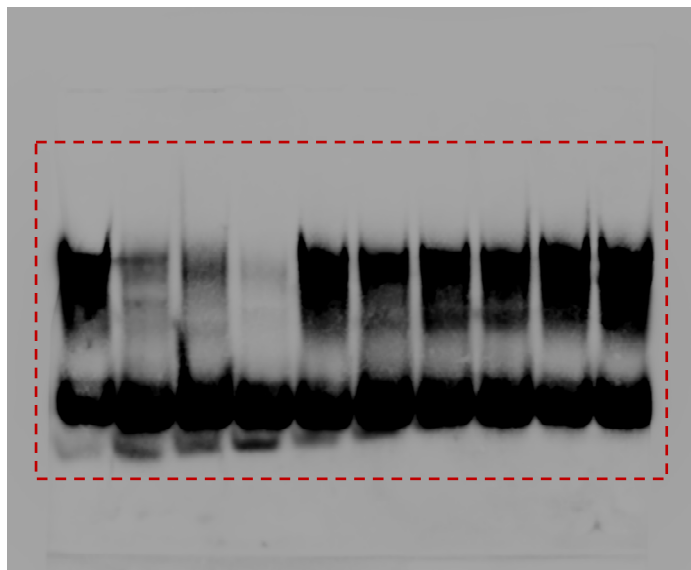


Image from Extended Data Fig. 7g middle panel

Biotin-labeled miR5827	+	+	+	+	+	+	+	+	+
MBS ^{PKR1}	+	-	-	-	-	-	-	-	-
M12-MBS ^{PKR1}	-	+	-	-	-	-	-	-	-
M13-MBS ^{PKR1}	-	-	+	-	-	-	-	-	-
M14-MBS ^{PKR1}	-	-	-	+	-	-	-	-	-
M15-MBS ^{PKR1}	-	-	-	-	+	-	-	-	-
M16-MBS ^{PKR1}	-	-	-	-	-	+	-	-	-
M17-MBS ^{PKR1}	-	-	-	-	-	-	+	-	-
M18-MBS ^{PKR1}	-	-	-	-	-	-	-	+	-
M19-MBS ^{PKR1}	-	-	-	-	-	-	-	-	+
M20-MBS ^{PKR1}	-	-	-	-	-	-	-	-	+

Shift band →

Free probe →

