

Table S1 Normalized counts of expression of the four miRNAs chosen for investigation here, from the preliminary screen of responses of miRNAs to SP receipt (T. Rathjen, H. Pais, S. Moxon, C.J. Pennington, T.D. & T.C., unpublished data). Shown are the expression levels of all four miRNAs in two replicates (rep 1, rep 2) of female Head+Thorax (HT) and Abdomen (Abd) samples, 3 hr after mating with SP^0 null or control SP^+ males. Log2 fold change values are shown (SP^+ / SP^0) along with the direction of change in expression in response to receipt of SP. Shown in grey are the body parts in which there was no consistent pattern of differential expression in response to receipt of SP.

HT	SP null 1	SP null 2	SP+ 1	SP+ 2	Fold change, rep 1 ($\log_2 SP^+/SP^0$)	Fold change, rep 2 ($\log_2 SP^+/SP^0$)	Direction of change in response to SP receipt in both replicates
miR-317	1,988	259	98	152	-4.35	-0.77	down
miR-279	24	21	5	5	-2.36	-2.07	down
miR-278	71	94	72	34	0.01	-1.45	-
miR-184	95,814	22,076	11,721	20,001	-3.03	-0.14	down
Abd	SP null 1	SP null 2	SP+ 1	SP+ 2	Fold change, rep 1 ($\log_2 SP^+/SP^0$)	Fold change, rep 2 ($\log_2 SP^+/SP^0$)	Direction of change in response to SP receipt in both replicates
miR-317	330	391	307	719	-0.10	0.88	-
miR-279	77	110	44	49	-0.80	-1.16	down
miR-278	34	79	140	104	2.06	0.40	up
miR-184	259749	130127	54091	200971	-2.26	0.63	-