Table S6. Primers used for qRT-PCR and RT-PCR analysis qRT-PCR experiment

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Experiment ID	Catalog number	Primer ID	Primer sequence	Length	Location UCSC mm10	Cycles
mPiwil1	Mm00451649_m1	PIWIL1-F	5'-AATAATATTTTCAGGAGGCTTTTG-3'	~64	mChr5: :128,736,246-128,755,474	
		PIWIL1-R	5'-AATCACCAACCTGTGACTTGG-3'	=04		40 cycles
mPiwil2	Mm00502383_m1	PIWIL2-F	5'-CCAGCACAAAGGGAGTCTGT-3'	≅96	mChr14: 70,372,480-70,429,094	
	-	PIWIL2-R	5'-GCCTCTACCTGATGGAAGCA-3'			40 cycles
		•	•			
mPiwil4	Mm01144775_m1	PIWIL4-F	5'-TTCCCCAGCACAAATTATCC-3'	≅63	mChr9: 14,702,358-14,740,733	
		PIWIL4-R	5'-ACGTCTGGGTGAAACAGGAC-3'			40 cycles
Primer assay information		•	•			
Primer Name	Assay ID	Catalog Number	Amplicon Size]		
PIWIL 1	Mm00451649_m1	44448892	64			
PIWIL 2	Mm00502383_m1	44448892	96			
PIWIL4	Mm011447755_m1	4448892	63	1		
BETAACTIN	Mm02619580_g1	44453320	143			
RPL41	Mm02524711	4448892	72	1		
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Multiplexed RT-PCR experiment

Experiment ID	Cycles	Primer ID	Primer sequence	Length	
Target piRNA sequence			5'-UGAUCUCGGAAGCUAAGCAGGGUCGGG-3'		
Reverse transcription (GSP)		m-piRNA-all-SEQ-RT-Rev1	5'-TGATGCAGGTGTCGTGGAGTCGGCAATTCTGCATCACCCGACCC-3'		
L					
aiDNA based on assurance (all tissues)	45	m-piRNA-all-SEQ-Fwd2	5'-GCAGGGAGCCTTCGAATCGATTCGTC-3'	~ 5 9	
pikink based on sequence (all lissues		m-piRNA-all-SEQ-Rev2	5'-TTCTGCATCAGGGCTGGGAC-3'	=30	