

Table S1 Primer sequence used in this study.

Genes	Sequence (5'to3')	Annealing temperature (°C)	Target size (bp)
U6-F	CGATACAGAGAAGATTAGCATGGC		
U6-R	AACGCTTCACGAATTTGCGT	60	61
GAPDH-F	TCCATGCATACACAGCCACC		
GAPDH-R	GCTTACCGTTGAGTTCAGGG	60	150
piwil1-F	CAACAACCTGCCTGCCTTCAC		
piwil1-R	CTTTGCCATTGATCCGAGCG	60	200
piwil2-F	GTGGAGCTGAGGGATGATCG		
piwil2-R	CTGGGATGGGATTGGGCTTT	60	168
uniq_1510639-RT	GTCGTATCCAGTGCGTGTCGTGGAGTCGGC AATTGCACTGGATACGACGGTCAGA		
uniq_1510639-F	gtactacatctggcagcag	60	66
uniq_1510671-RT	GTCGTATCCAGTGCGTGTCGTGGAGTCGGC AATTGCACTGGATACGACCTGTCCA		
uniq_1510671-F	tgtgtgagacgattctgct	60	64
uniq_1510715-RT	GTCGTATCCAGTGCGTGTCGTGGAGTCGGC AATTGCACTGGATACGACTCTGTCC		
uniq_1510715-F	tgtgtgagacgattctgct	60	65
uniq_1615793-RT	GTCGTATCCAGTGCGTGTCGTGGAGTCGGC AATTGCACTGGATACGACGCTGGGA		
uniq_1615793-F	tgttgttgaccgtgtgtg	60	67
uniq_1709642-RT	GTCGTATCCAGTGCGTGTCGTGGAGTCGGC AATTGCACTGGATACGACACTCAGC		
uniq_1709642-F	agacgtggctctgaaca	60	67
uniq_1615047-RT	GTCGTATCCAGTGCGTGTCGTGGAGTCGGC AATTGCACTGGATACGACGATGGAG		
uniq_1615047-F	gtactcatctgatgacttcagtct	60	68
All piRNA (R)	AGTGCGTGTCGTGGAGTCG		

