

**Supplementary information, Table S7** Sequences of chemically synthesized oligonucleotides

piR_010111 (DQ686004)	5'-pUUUGUUGAAUGGAUGAAUGGGUGGAUGACm-3'
piR_010111 (Mut)	5'-pAAACAACUUUGGAUGAAUGGGUGGAUGACm-3'
piR_013474 (DQ691186)	5'-pUGGAUGUGAGAUAGAUAGGAGAAGGAAGUCm-3'
piR_013474 (Mut)	5'-pACCUACACAGAUAGAUAGGAGAAGGAAGUCm-3'
piR_027161 (DQ711268)	5'-pUCUGCAGGCAGAACACUUGGAUUCCUCUCUm-3'
piR_027161 (Mut)	5'-pUGACGUCCCAGAACACUUGGAUUCCUCUCUm-3'
piR_035327 (DQ723085)	5'-pUAGACAUGUAGUGAUCCUGAGGCAGGCAm-3'
piR_035327 (Mut)	5'-pUUCUGUACUAGUGAUCCUGAGGCAGGCAm-3'
piR_005092 (DQ555049)	5'-pUGGGCUGUUUGGCAUUGAAGUGUAGAGCCUm-3'
piR_005092 (Mut)	5'-pUCCCGACAUUGGCAUUGAAGUGUAGAGCCUm-3'
piR_12800 (unannotated)	5'-pUAGGUCUACUGAUGAACAGGGAAGAUAGGAm-3'
piR_12800 (Mut)	5'-pUUCCAGAUCUGAUGAACAGGGAAGAUAGGAm-3'
piR_007526 (DQ564235)	5'-pUACAAGUGGAUGAUGAUAGAUUGGUGGGCAm-3'
piR_007526 (Mut)	5'-pUUGUUCACGAUGAUGAUAGAUUGGUGGGCAm-3'
piR_009524 (DQ685064)	5'-pUGAGAUGACGUUGUAGAUGAAAUGGUUAAm-3'
piR_009524 (Mut)	5'-pUCUCUACUCGUUGUAGAUGAAAUGGUUAAm-3'
piR_018939 (DQ699277)	5'-pUAGAAUGUAGAGAAACUAAGAUGGUGGGUUm-3'
piR_018939 (Mut)	5'-pUUCUACAAGAGAAACUAAGAUGGUGGGUUm-3'
<i>Miwi</i> siRNA	5'-UACUUCUGUGACCUUGUGC-3'
<i>Caf1</i> siRNA	5'-UCCUCUUCAUAUGCAUUC-3'
<i>Cnot1</i> siRNA	5'-GAUAAAGAAUUACAUAUAA-3'
<i>Cnot6</i> siRNA	5'-UACAACACCAGAGUCUGGC-3'
<i>Mili</i> siRNA	5'-UCUCCUUGACUGUGAUCC-3'
<i>Ago2</i> siRNA	5'-UUUCUCAGGUUUGAUGUCC-3'
sh <i>Miwi</i>	sh <i>Miwi</i> -1: 5'-CATGAATTTGCAACAAATT-3' sh <i>Miwi</i> -2: 5'-GACAATATTGTTTTTACCT-3' sh <i>Miwi</i> -3: 5'-GATAAAATGCGCAATGATT-3'
sh <i>Caf1</i>	sh <i>Caf1</i> -1: 5'-AGTTAGAGCTGGAGCGCAT-3' sh <i>Caf1</i> -2: 5'-TGGATGAAGAGATGAAGAA-3' sh <i>Caf1</i> -3: 5'-ACAGAACGGCACAGGGAAT-3'
anti-piR_010111	5'/Cy3/-GUCAUCCACCCAUUCAUCCAUUCAACAAAm-3'
anti-piR_013474	5'/Cy3/-GACUCCUUCUCCUAUCUAUCUCACAUCCAm-3'

Message-specific primer for PAT assay	<i>Grk4</i> : 5'-GGTGTCATTGTCTCAGTCAAACAGG-3' <i>Sox6</i> : 5'-AGGTACCTACGTGGCCCATGGCTGG-3' <i>Zkscan17</i> : 5'-AGGCAGCCAGTGGGCTGTAACGGCT-3' <i>Cacna1h</i> : 5'-CACCAAGGAGTACTGGCCCATGCAA-3' <i>Cnot1</i> : 5'-GTTCCGTGAACAGCTAGGCCCGTGT-3' <i>Nploc4</i> : 5'-GCTGGGCATAGTGGTCTGTGCCT-3' <i>Samd4</i> : 5'-GCTCTACTGATGCAGATACACT-3' <i>Qrich1</i> : 5'-GCTCAGACATAAACTTAACATC-3' <i>Tcf20</i> : 5'-CCCTTGTGGGGACCCACAGCATCCATGG-3' <i>Ap2a1</i> : 5'-GCGCCTGGGAGCTCCCTCTGGCCTT-3' <i>GAPDH</i> : 5'-AGGGTGGTGGACCTCATGGCCTAC-3'
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