

**S6 Table. List of the potential target genes for *S. japonicum* miRNAs**

miRNAs	Target gene IDs	Name of target genes	MiRNA:mRNA duplex*	Mfe (kcal/mol)
miR-new1	AY812714.1	Outer dense fiber of sperm tails 2	target 5' A UUUCUUGU A 3' UUGUC AGUGCUCUCU GGCAG UCACGAGAGA miRNA 3' A UAUUU G 5'	-22.6
	AY811515.1	T-complex	target 5' G A UUA G 3' CUGUC AUGAA GCUCU GGCAG UAUUU CGAGA miRNA 3' A UCA GAG 5'	-21.1
Let-7	FN315235.1	Hypothetical protein	target 5' UG U UUGUU G 3' U A CAAC ACUACCUC G U GUUG UGAUGGAG miRNA 3' UG UG CU G 5'	-21.1
	FN327005.1	Hypothetical protein	target 5' A UG U A G 3' U A CAAC GAACUACCUC G U GUUG CUUGAUGGAG miRNA 3' UG UG G 5'	-26.4
	AY814216.1	Hypothetical protein	target 5' A UG U A G 3' U A CAAC GAACUACCUC G U GUUG CUUGAUGGAG miRNA 3' UG UG G 5'	-26.4
Let-7b	AY810070.1	Lim domain	target 5' U G 3' GUAUGAAU CAUUACCUC UAUACUUA GUGAUGGAG miRNA 3' UCAG A 5'	-25.4
	AY814216.1	Hypothetical protein	target 5' A GAUCAACAGA G 3' UAUGUGAAUU ACUACCUC GUAUACUUAG UGAUGGAG miRNA 3' UCA A 5'	-26.0
Let-7s	FN317371.1	Hypothetical protein	target 5' G UUUUUCUUC U G 3' UGUA CAUCUA CUACCU GCAU GUAGAU GAUGGA miRNA 3' UCA U G 5'	-21.0
miR-2a	AY811143.1	CDS of Lipid synthesized	target 5' A AG AAU C 3' GU AU CUGGCUGUG CA UA GACCGACAC miRNA 3' G AG GUUUAU U 5'	-22.8
	AY336493.1	RNA polymerase B transcription factor 3	target 5' U CCUU U A C 3' CGUUC UUA UACUG CUGUG GCAAAG AGU AUGAC GACAC miRNA 3' U U C U 5'	-22.5
	AY223360.1	Hypothetical protein	target 5' A UUU AU C 3' UGUUCGUCA CUG CUGUGG GCAAAGUAGU GAC GACACU miRNA 3' UAU C 5'	-25.4
miR-1	FN318139.1	Putative signal peptide peptidase-like 2A	target 5' A 3' CAUA CCACAUUCC GUAU GGUGUAAGG miRNA 3' CUG GAAGC U 5'	-19.7
	AY915410.1	PKC	target 5' C C C 3' ACCA UCGCCAC UCC UGGU AGCGGUG AGG miRNA 3' C AUGA UA U 5'	-23.4
Lin-4	FN324931.1	Ploy A binding protein	target 5' A C A C U 3' AC ACUU AA GUCUCA GG UG UGAG UU CAGAGU CC miRNA 3' U A C C U 5'	-19.0

