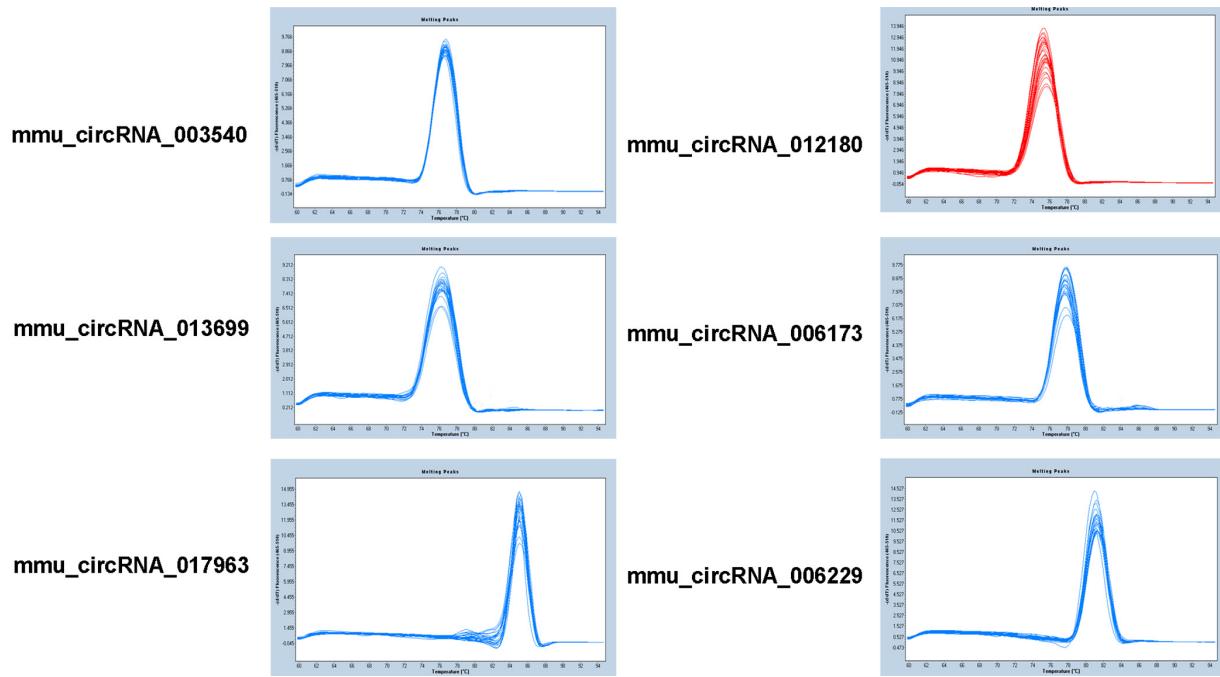


SUPPLEMENTARY MATERIAL



Supplementary Figure 1. The melting curve of circRNAs.

mmu-circRNA-017963 vs mmu-miR-1896

2D Structure	Local AU	Position	Conservation	Predicted By
512 5'-ggatatggCTGTCCTCAGAGA-3' UTR 3'-gaggagugGGUGUAAGUCUc-5' miRNA 3' pairing Seed	TCAGAGA 7mer-m8	!	□	[M] [T]
567 5'-caCTCGACACT-TCAGAGA-3' UTR 3'-gaGAG UGGUGGUAGUCUc-5' miRNA 3' pairing Seed	TCAGAGA 8mer	!	□	[M] [T]
714 5'-tgtTTCTTGAGGTTCAGAGA-3' UTR 3'-gagGAGUGGUAGUCUc-5' miRNA 3' pairing Seed	TCAGAGA 7mer-m8	!	□	[M] [T]

mmu-circRNA-017963 vs mmu-miR-542-3p

2D Structure	Local AU	Position	Conservation	Predicted By
455 5'-gatTGA <u>TAA</u> GGTACTCCCCG <u>A</u> -3' UTR 3'-aga <u>ACU</u> GUACAU <u>AC</u> GGGC <u>C</u> uc-5' miRNA 3' pairing Seed	TCCCCGA 8mer	!	□	[M] [T]
535 5'-tctTG <u>A</u> GACT <u>AA</u> GGT <u>CC</u> CG <u>Ag</u> -3' UTR 3'-ag <u>ACU</u> GU <u>AC</u> U <u>AC</u> U <u>AC</u> GG <u>GC</u> uc-5' miRNA 3' pairing Seed	TCCCCGA 7mer-m8	!	□	[M] [T]

mmu-circRNA-017963 vs mmu-miR-7030-3p

2D Structure	Local AU	Position	Conservation	Predicted By
286 5'-gtGGCC <u>AGG</u> AGGC <u>AG</u> CA <u>AG</u> CA <u>AG</u> -3' UTR 3'-ga <u>CCU</u> u <u>C</u> l <u>U</u> U <u>U</u> GU <u>C</u> GU <u>U</u> c-5' miRNA 3' pairing Seed	AGAGCAA 7mer-m8	!	□	[M] [T]
403 5'-tgGA <u>AGT</u> G <u>T</u> AT <u>G</u> -AG <u>GG</u> AC <u>AC</u> -3' UTR 3'-ga <u>CCU</u> u <u>C</u> l <u>U</u> U <u>U</u> GU <u>C</u> GU <u>U</u> c-5' miRNA 3' pairing Seed	GGGCA Imperfect	!	□	[M]

mmu-circRNA-017963 vs mmu-miR-1955-5p

2D Structure	Local AU	Position	Conservation	Predicted By
156 5'-ctgca <u>CAG</u> T <u>AT</u> CC <u>AT</u> CG <u>CA</u> T <u>GGG</u> AC <u>A</u> -3' UTR 3'-uuuu <u>GAC</u> u <u>UAC</u> -GU <u>AG</u> -- <u>AC</u> CC <u>U</u> u <u>U</u> gu-5' miRNA 3' pairing Seed	CTGGGACA 8mer	!	□	[M] [T]
691 5'-cggtt <u>CTG</u> AG <u>G</u> --AT-C <u>TGG</u> GA <u>G</u> -3' UTR 3'-uuuu <u>GAC</u> u <u>UAC</u> -GU <u>AG</u> -- <u>AC</u> CC <u>U</u> u <u>U</u> gu-5' miRNA 3' pairing Seed	CTGGGAC 7mer-m8	!	□	[M] [T]

mmu-circRNA-017963 vs mmu-miR-7033-3p

2D Structure	Local AU	Position	Conservation	Predicted By
104 5'-gata <u>CAAA</u> GG <u>AA</u> T <u>U</u> AG <u>G</u> g-3' UTR 3'-gacg <u>GU</u> U <u>U</u> CU <u>U</u> AC <u>U</u> CC <u>U</u> C <u>U</u> gu-5' miRNA 3' pairing Seed	TGGAGG Offset 6mer	!	□	[M]
592 5'-cgaa <u>CAAG</u> AG <u>AG</u> CG <u>GG</u> AG <u>GG</u> g-3' UTR 3'-gacg <u>GU</u> U <u>U</u> CU <u>U</u> AC <u>U</u> CC <u>U</u> C <u>U</u> gu-5' miRNA 3' pairing Seed	GGAGGC 6mer	!	□	[M]

Supplementary Figure 2. Five detailed annotation for the circRNA/miRNA interaction (mmu_circRNA_017963 and its Top-5 predicted miRNA targets).