

Additional file 2. Complementary Structure of miRNA with their star sequences

Name	Target	Mfe (kcal/mol)	P-value	Complementary Structure
NADH dehydrogenase				
miR-4144-3p	SJFCE3378.004	-30.2	0.00372	target 5' G G 3' CUGGUGAUGCAAGAUU GACUACUACGUUCUGA miRNA 3' G A 5'
miR-1837	SJFCE2420.002	-35.4	0.001062	target 5' C U C C 3' UG GUCAACAGUCCCU CUCA AC CAGUUGUCAGGGA GAGU miRNA 3' UCUU CU 5'
miR-125b*	SJFCA2649.001	-33.2	0.003403	target 5' A U G 3' CCCAAGAGCUUG CUUG GGGUUCUCGGAC GAAC miRNA 3' CCA U A 5'
miR-36a*	SJFCE3371.004	-30.2	0.008135	target 5' C C U 3' GAACCAGGUACAAGA AUUCA UUUGGUUCAUGUUCU UAAGU miRNA 3' 5'

ATPase				
miR-3666	SJFCE5459	-30.6	0.002343	target 5' G G G 3' CGCGCGUUU CGUGUGUG UGCU GCGCGUAGA GUGUACGU ACGG miRNA 3' A U G U 5'
miR-4115-5p	SJFCE3770.010	-30	0.009561	target 5' U C C 3' UGG GAGUGCAGACCA GCC CUCAUGUCUGGU miRNA 3' UUUCUU U 5'
miR-4038-3p	SJFCE3300.005	-27.9	0.003849	target 5' G A A 3' AGAUUAACCGAGU CAAUG UCUAGUUGGUUCA GUUAC miRNA 3' C 5'
miR-3668	SJFCE1459	-26.5	0.008551	target 5' G G A 3' UUUACGGA CUCUGCGUUU AAAUGUCU GAGAUGUAAA miRNA 3' UA A 5'
miR-3559-3p	SJFCE2856.001	-29.6	0.005681	target 5' A C G 3' UGAUAUGACUCAGUUU CU GCUGUACUGAGUCAGA GA miRNA 3' G U 5'

miR-503	SJFCE2163.001	-31.4	0.001014	target 5' G C 3'	GCUGUUUCGCGUGC UGACAAGGGCGACG	miRNA 3' AAA AU 5'
Transcription initiation factor						
miR-369-3p	SJFCA3197.003	-29.6	0.008818	target 5' U A 3'	UGUCAACGGUGUGUUAUU ACAGUUGCUCACUAAUAA	miRNA 3' UU 5'
miR-139	SJFCA3498.001	-32.6	0.001443	target 5' A U A 3'	GGGACAU UGCACUGGA CCUUGUG ACGUGACCU	miRNA 3' A U C 5'
miR-4082-3p	SJFCE1620	-30.5	0.008156	target 5' A C 3'	AGUUCAGCUCCAACUG UCAAGUUGAGGUUGGC	miRNA 3' AA 5'
miR-4148-5p	SJFCA0288	-33.6	0.002135	target 5' U A G 3'	GUGU CCGGUGCACG CUCU CACA GGUCACGUGC GAGA	miRNA 3' U G 5'

Splicing factor					
miR-23a*	SJFCA0598	-31.4	0.008199	target 5' A G A 3'	UG GUCGCCAGAAUCC GC UAGUGGUCUUUAGG
				miRNA 3' UUUCA G 5'	
miR-767-3p	SJFCE3755.003	-33.4	0.005437	target 5' A C G 3'	GAAACCAU GGGUA GUGGUGGU UUUUGGUA CCCGU CAUCAUG
				miRNA 3' C A U 5'	
miR-463	SJFCE3755.003	-30.5	0.00905	target 5' G A 3'	ACCCGGUUCUGUCG UGGGUUAAGAGCAGU
				miRNA 3' GA AGU 5'	
miR-598	SJFCE3755.014	-30	0.004638	target 5' A A 3'	UGGCGGUGGACGUGAC ACUGCUAUUUGCACUG
				miRNA 3' CUAU 5'	
miR-2881	SJFCA0344	-43.3	0.000057	target 5' C C 3'	CCACCACCUCCGCCCC GGUGGUGGGGGCGGGG
				miRNA 3' GUA U 5'	

Signal transduction				
miR-532-3p	SJFCE3560.007	-35.9	0.002175	target 5' A C C A U 3' GCAAGCC UGGGU G GG GAGG CGUUCGG ACCCA C CC CUCC miRNA 3' A A A 5'
miR-236	SJFCE3743.002	-31.7	0.003428	target 5' C C A A 3' AUCCUCGUU UCGA CAGUAUUG UAGGAGUAA AGCU GUCAUAAU miRNA 3' A U A 5'
Growth factor receptor				
miR-1942	SJFCA2712.001	-31.7	0.008911	target 5' A U 3' ACCGGAUGGGGCAUUCG UGGUCUACUCUGUAAGU miRNA 3' GUA 5'
miR-71a	SJFCA3391.005	-35	0.008505	target 5' A C 3' UUCAUCUUACUACUAGUGUUU AAGUAGUGAUGGUCGAGA miRNA 3' AAGU 5'
Zinc finger protein				
miR-4020b-5p	SJFCA0201	-33.6	0.001724	target 5' C A 3' UAUGUACCGCC ACCACC GUACGUGGUGG UGUGG miRNA 3' U 5'

miR-92e-5p	SJFCA0201	-36.2	0.00102	target 5' C	A 3'
				CUAUGUACCGCC ACCACC	
				GGUACGUGGUGG UGGUGG	
				miRNA 3' U	C 5'
miR-252	SJFCA0201	-36.8	0.000521	target 5' C	C 3'
				CCUGCGGCACCAGUUC	
				GGGCGUCGUGGUCAAG	
				miRNA 3' A	AC 5'
miR-4150-5p	SJFCA0510	-35.7	0.000999	target 5' G	G 3'
				UCACAGUCGUUAGUUAUC	
				AGUGUCAGCGUAUCGAUAG	
				miRNA 3'	5'
miR-4101-3p	SJFCE3594.008	-28.5	0.007164	target 5' C G	G 3'
				UCCA AUUACUACGUUCA	
				GGGU UAUUGAUGUAGGU	
				miRNA 3' G	5'
Egg protein					
miR-320c	SJFCE2139.001	-31.1	0.006281	target 5' U	A 3'
				CCCUUCAAUCCGGC	
				GGGAGAGUUGGGUCG	
				miRNA 3'	AAAA 5'

miR-2444	SJFCE3676.010	-28.4	0.009058	target 5' U U C 3' GAACAAUAAC ACAGGACAAA UUUGUUUGUUG UGUUCUGUUU	miRNA 3' U 5'
miR-2807c*	SJFCE3845.025	-28.8	0.008918	target 5' A U G 3' GGUC GACGGUGUUGGAUGAUG UCAG UUGUUACGGUUUACUAC	miRNA 3' G 5'
Heat shock protein					
miR-36c	SJFCE2899.003	-30.7	0.005237	target 5' G C G 3' GAGU GUCUGCC GGUGG CUUA CAGACGG CCACC	miRNA 3' A G 5'
miR-486-5p	SJFCE2701.002	-31.8	0.007241	target 5' A U A C 3' UUGGGGC A G UUAGUACAGGA AGCCCCG U C AGUCAUGUCCU	miRNA 3' G 5'
miR-669g	SJFCA3842.001	-32.1	0.001205	target 5' U G 3' GUAGUUGCACACGGUCCAG UAUCAGUGUGUGUUAGGUU	miRNA 3' ACGU 5'