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#sja-bantam
AAGTCGGCTTTTATTGCGCTCTGAGAAAAACCAATTCATTGCTTTTTTTTATTATCTGAGATCGCGATTAAGCTGGTTT
Total sRNA: 218038      shared 5' end with miRNA: 129751  shared 3' end with miRNA: 19
miRNA
.....UGAGAUCGCGAUUAAAGCU.....      19      88059
Shared 5' Terminus
.....UGAGAUCGCGAUUAAAGC.....      18      34968
.....UGAGAUCGCGAUUAAAGCUG.....      20      24052
.....UGAGAUCGCGAUUAAAGCUGG...      21      15318
.....UGAGAUCGCGAUUAAAGCUGGU..      22      53818
.....UGAGAUCGCGAUUAAAGCUGGUU.      23      984
.....UGAGAUCGCGAUUAAAGCUGGUUU      24      611
Shared 3' Terminus
.....GAGAUCGCGAUUAAAGCU.....      18      15
Subsequence
Others
....CGGCUUUUAUUGCGCUCUGA.....      20      5
....CGGCUUUUAUUGCGCUCUGAGA.....      22      46
.....AAAACCAAUUCAUUGCUUUUU.....      21      9
.....AAAACCAAUUCAUUGCUUUUU.....      22      5
.....GAGAUCGCGAUUAAAGCUG.....      19      13
.....GAGAUCGCGAUUAAAGCUGG...      20      8
.....GAGAUCGCGAUUAAAGCUGGU..      21      87
.....GAGAUCGCGAUUAAAGCUGGUU.      22      5
antisense match

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#sja-let-7
TGGGAGGTAGTTCGTTGTGTGGTTTGCTTATATAAATGATCTTAAGAAGACCATACAACCGACTGGCTTTCCCA
Total sRNA: 317022      shared 5' end with miRNA: 39924  shared 3' end with miRNA: 714
miRNA
..GGAGGUAGUUCGUUGUGUGGU.....      21      258334
Shared 5' Terminus
..GGAGGUAGUUCGUUGUGU.....      18      1101
..GGAGGUAGUUCGUUGUGUG.....      19      1402
..GGAGGUAGUUCGUUGUGUGG.....      20      7735
..GGAGGUAGUUCGUUGUGUGUU.....      22      25526
..GGAGGUAGUUCGUUGUGUGUUU.....      23      4154
..GGAGGUAGUUCGUUGUGUGUUUG.....      24      5
Shared 3' Terminus
....GGUAGUUCGUUGUGUGGU.....      18      43
....AGGUAGUUCGUUGUGUGGU.....      19      84
....GAGGUAGUUCGUUGUGUGGU.....      20      580
..GGGAGGUAGUUCGUUGUGUGGU.....      22      6
Subsequence
...GAGGUAGUUCGUUGUGUG.....      18      327
...GAGGUAGUUCGUUGUGUGG.....      19      72
...AGGUAGUUCGUUGUGUGG.....      18      19
Others
...GAGGUAGUUCGUUGUGUGUU.....      21      169
...GAGGUAGUUCGUUGUGUGUUU.....      22      160
...AGGUAGUUCGUUGUGUGUUU.....      20      26
...AGGUAGUUCGUUGUGUGUUU.....      21      21
....GGUAGUUCGUUGUGUGUU.....      19      5
.....UAGUUCGUUGUGUGUUUGC.....      20      7
.....UAGUUCGUUGUGUGUUUGCU.....      21      14
.....UAGUUCGUUGUGUGUUUGCUU.....      22      40
.....UUGC UUAUAAAAUGAUCUU.....      20      7
.....UUGC UUAUAAAAUGAUCUUA.....      21      16
.....UUGC UUAUAAAAUGAUCUUA.....      22      8
.....UUGC UUAUAAAAUGAUCUUAAGAAGAC.....      28      9
.....GCUUAUAAAAUGAUCUUAAGAAGAC.....      26      6
.....UUAUAAAAUGAUCUUAAGAAGA.....      23      5
.....UAUAAAAUGAUCUUAAGAAGAC.....      23      5
.....GAAGACCAUACAACCGACUGGCU.....      23      21
.....AAGACCAUACAACCGACUGGCU.....      22      7
.....AAGACCAUACAACCGACUGGCUUU.....      24      5
.....AAGACCAUACAACCGACUGGCUUUC.....      25      6
.....CCAUACAACCGACUGGCUUUC.....      21      5

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.....CCAUACAACCGACUGGCUUCC. 23 11
.....CCAUACAACCGACUGGCUUCCCA 24 39
.....CAUACAACCGACUGGCUU..... 18 22
.....CAUACAACCGACUGGCUUU... 19 74
.....CAUACAACCGACUGGCUUUC.. 20 731
.....CAUACAACCGACUGGCUUCC.. 21 1397
.....CAUACAACCGACUGGCUUCC. 22 1857
.....CAUACAACCGACUGGCUUCCCA 23 8932
.....AUACAACCGACUGGCUUU... 18 22
.....AUACAACCGACUGGCUUUC... 19 192
.....AUACAACCGACUGGCUUCC.. 20 258
.....AUACAACCGACUGGCUUCC. 21 768
.....AUACAACCGACUGGCUUCCCA 22 2566
.....UACAACCGACUGGCUUCC.. 19 8
.....UACAACCGACUGGCUUCC. 20 13
.....UACAACCGACUGGCUUCCCA 21 63
.....ACAACCGACUGGCUUCCCA 20 52

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antisense match

#sja-let-7b

GTGAATAACTGGAAAGAGGTAGTGTATTCATATGACTACTGTGTCTCTTGTGTGTGTATGTATAGAAAATGTAAAAAATATGTTGTAAACAACATACTAAACATTGAAAAAATTAATCTTTTTCAATGAAATTTCTTTGTATACACACATATAAGGTGGTTACATTTTAAATGGAAGTCATATGTCTACTAGTCTTATACGGGATTCAC  
Total sRNA: 703318 shared 5' end with miRNA: 46238 shared 3' end with miRNA: 714

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miRNA
.....AGAGGUAGUGAUUCAUAUGACU..... 22 655165
Shared 5' Terminus
.....AGAGGUAGUGAUUCAUAU..... 18 542
.....AGAGGUAGUGAUUCAUAUG..... 19 1256
.....AGAGGUAGUGAUUCAUAUGA..... 20 5968
.....AGAGGUAGUGAUUCAUAUGAC..... 21 38234
.....AGAGGUAGUGAUUCAUAUGACUA..... 23 235
Shared 3' Terminus
.....AGGUAGUGAUUCAUAUGACU..... 20 235
.....GAGGUAGUGAUUCAUAUGACU..... 21 233
.....AAGAGGUAGUGAUUCAUAUGACU..... 23 244
Subsequence
.....GAGGUAGUGAUUCAUAUGAC..... 20 39
.....AGGUAGUGAUUCAUAUGAC..... 19 34
Others
.....AAGAGGUAGUGAUUCAUAU..... 19 9
.....AAGAGGUAGUGAUUCAUAUG..... 20 6
.....AAGAGGUAGUGAUUCAUAUGA..... 21 62
.....AAGAGGUAGUGAUUCAUAUGAC..... 22 446
.....AGGUAGUGAUUCAUAUGACUA..... 21 5
.....UCAUAGUCUCACUAGCU..... 18 5
.....UCAUAGUCUCACUAGCUU..... 19 5
.....UCAUAGUCUCACUAGCUUC..... 20 28
.....UCAUAGUCUCACUAGCUUCA..... 21 93
.....UCAUAGUCUCACUAGCUUCAU..... 22 299
.....UCAUAGUCUCACUAGCUUCAU..... 23 130
.....CAUAGUCUCACUAGCUUCAU..... 22 15
.....AUAUGUCUCACUAGCUUCAU..... 21 7

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antisense match

#sja-let-7s

TCAGTATCAGTGAAGTAGTGTAGTGTACGACTGTTGTGAATTGAGGTCGTCCAGTCGACTATCTAATGTGTTCAGAAATCTCATTCACTGATGTATCAGTTAATGTGATTTTGTAAATTTGTAAATTTGTGAATAATGTGAGTTGATATATGTAGGTGAAGTGGTTATTCTGACATATTTGGTTAGTTGTACTGGTTGACAGCCGTACACCTTTACTACCATGCTGGTGATAC  
Total sRNA: 322698 shared 5' end with miRNA: 153285 shared 3' end with miRNA: 35777

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miRNA
.....GAGGUAGUUAGAUGUACGACU..... 21 111993
Shared 5' Terminus
.....GAGGUAGUUAGAUGUACG..... 18 290
.....GAGGUAGUUAGAUGUACGA..... 19 4044
.....GAGGUAGUUAGAUGUACGAC..... 20 8671
.....GAGGUAGUUAGAUGUACGACUG..... 22 78507
.....GAGGUAGUUAGAUGUACGACUGU..... 23 56913
.....GAGGUAGUUAGAUGUACGACUGUU..... 24 4844
.....GAGGUAGUUAGAUGUACGACUGUUG..... 25 12
Shared 3' Terminus
.....GGUAGUUAGAUGUACGACU..... 19 52
.....AGGUAGUUAGAUGUACGACU..... 20 136
.....UGAGGUAGUUAGAUGUACGACU..... 22 35586
Subsequence
.....AGGUAGUUAGAUGUACGAC..... 19 9
.....GGUAGUUAGAUGUACGAC..... 18 10
Others
.....UGAGGUAGUUAGAUGUAC..... 18 22
.....UGAGGUAGUUAGAUGUACG..... 19 86
.....UGAGGUAGUUAGAUGUACGA..... 20 2454
.....UGAGGUAGUUAGAUGUACGAC..... 21 3677
.....UGAGGUAGUUAGAUGUACGACUG..... 23 10045
.....UGAGGUAGUUAGAUGUACGACUGU..... 24 930
.....UGAGGUAGUUAGAUGUACGACUGUU..... 25 39
.....AGGUAGUUAGAUGUACGACUG..... 21 195
.....AGGUAGUUAGAUGUACGACUGU..... 22 273
.....AGGUAGUUAGAUGUACGACUGUU..... 23 58
.....GGUAGUUAGAUGUACGACUG..... 20 314
.....GGUAGUUAGAUGUACGACUGU..... 21 141
.....GGUAGUUAGAUGUACGACUGUU..... 22 67

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.....GUAGUUAGAUGUACGACUG.....	19	6
.....GUAGUUAGAUGUACGACUG.....	20	6
.....UGACAUAUUGGUUAGUUGUACU.....	22	7
.....UGACAUAUUGGUUAGUUGUACUG.....	23	65
.....AGCCGUACACCUUACUACCAU.....	21	9
.....AGCCGUACACCUUACUACCAUG.....	22	17
.....GCCGUACACCUUACUACCA.....	19	6
.....GCCGUACACCUUACUACCAU.....	20	81
.....GCCGUACACCUUACUACCAUG.....	21	250
.....GCCGUACACCUUACUACCAUG.....	22	2712
.....GCCGUACACCUUACUACCAUGCU.....	23	53
.....CCGUACACCUUACUACCAUG.....	21	33
.....CCGUACACCUUACUACCAUGCU.....	22	22
.....CGUACACCUUACUACCAUG.....	20	8
.....CGUACACCUUACUACCAUGCU.....	21	7

antisense match

#sja-lin-4  
NNTCCCTGAGACCTTAGAGTTGTNN  
Total sRNA: 24734 shared 5' end with miRNA: 959      shared 3' end with miRNA: 208

miRNA		
..UCCCUGAGACCUUAGAGUUGU..	21	23558
Shared 5' Terminus		
..UCCCUGAGACCUUAGAGU....	18	78
..UCCCUGAGACCUUAGAGUU....	19	126
..UCCCUGAGACCUUAGAGUUG... 20		755
Shared 3' Terminus		
....CCUGAGACCUUAGAGUUGU..	19	205
Subsequence		
....CCUGAGACCUUAGAGUUG... 18		9
Others		
antisense match		

#sja-mir-1  
CAAAAGTAGTATTTCATTATATGGAATGTGGCGAAGTATGGTCTACAGTTGCTAGAAATCATCTTTATATGAAGAGTATTCACCTTTT  
Total sRNA: 9075799      shared 5' end with miRNA: 4455011      shared 3' end with miRNA: 20575

miRNA		
.....UGGAAUGUGGCGAAGUAUGGUC.....	22	4570978
Shared 5' Terminus		
.....UGGAAUGUGGCGAAGUAU.....	18	36283
.....UGGAAUGUGGCGAAGUAUG.....	19	65142
.....UGGAAUGUGGCGAAGUAUGG.....	20	486032
.....UGGAAUGUGGCGAAGUAUGGU.....	21	2957888
.....UGGAAUGUGGCGAAGUAUGGUCU.....	23	905778
.....UGGAAUGUGGCGAAGUAUGGUCUA.....	24	3877
.....UGGAAUGUGGCGAAGUAUGGUCUAC.....	25	11
Shared 3' Terminus		
.....AAUGUGGCGAAGUAUGGUC.....	19	8
.....GAAUGUGGCGAAGUAUGGUC.....	20	640
.....GAAUGUGGCGAAGUAUGGUC.....	21	18090
.....AUGGAAUGUGGCGAAGUAUGGUC.....	23	1766
.....UAUGGAAUGUGGCGAAGUAUGGUC.....	24	50
.....UAUAUGGAAUGUGGCGAAGUAUGGUC.....	26	6
.....UUAUAUGGAAUGUGGCGAAGUAUGGUC.....	27	13
Subsequence		
.....GAAUGUGGCGAAGUAUG.....	18	97
.....GAAUGUGGCGAAGUAUGG.....	19	1730
.....GAAUGUGGCGAAGUAUGGU.....	20	11082
.....GAAUGUGGCGAAGUAUGG.....	18	41
.....GAAUGUGGCGAAGUAUGGU.....	19	307
Others		
.....UAUAUGGAAUGUGGCGAAGUAUGGU.....	25	7
.....UAUGGAAUGUGGCGAAGUA.....	19	15
.....UAUGGAAUGUGGCGAAGUAU.....	20	37
.....UAUGGAAUGUGGCGAAGUAUG.....	21	46
.....UAUGGAAUGUGGCGAAGUAUGG.....	22	618
.....UAUGGAAUGUGGCGAAGUAUGGU.....	23	1978
.....UAUGGAAUGUGGCGAAGUAUGGUCU.....	25	19
.....AUGGAAUGUGGCGAAGUA.....	18	36
.....AUGGAAUGUGGCGAAGUAU.....	19	49
.....AUGGAAUGUGGCGAAGUAUG.....	20	106
.....AUGGAAUGUGGCGAAGUAUGG.....	21	1077

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.....AUGGAAUGUGGCGAAGUAUGGU..... 22      8293
.....AUGGAAUGUGGCGAAGUAUGGUCU..... 24      307
.....GGA AUGUGGCGAAGUAUGGUCU..... 22      3222
.....GGA AUGUGGCGAAGUAUGGUCUA..... 23      28
.....GAAUGUGGCGAAGUAUGGUCU..... 21      111
.....UGUGGCGAAGUAUGGUCU..... 18      5
antisense match

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#sja-mir-10
CCTCAGTATGAACCCGTGACCCGAGTTTGGATGCCGTTAGATGCAAAATTCGAGTCTATAAGGAAAGATACTTTGGAA
Total sRNA: 90192shared 5' end with miRNA: 11435  shared 3' end with miRNA: 258
miRNA

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.....AACCCUGUAGACCCGAGUUUG..... 22      77153
Shared 5' Terminus
.....AACCCUGUAGACCCGAGU..... 18      282
.....AACCCUGUAGACCCGAGUU..... 19      109
.....AACCCUGUAGACCCGAGUUU..... 20      799
.....AACCCUGUAGACCCGAGUUUG..... 21      4176
.....AACCCUGUAGACCCGAGUUUGGA..... 23      6022
.....AACCCUGUAGACCCGAGUUUGGAU..... 24      44
Shared 3' Terminus
.....CCUGUAGACCCGAGUUUG..... 19      7
.....ACCCUGUAGACCCGAGUUUG..... 21      188
.....GAACCCUGUAGACCCGAGUUUG..... 23      62
Subsequence
.....ACCCUGUAGACCCGAGUUUG..... 20      8
.....CCUGUAGACCCGAGUUUG..... 18      5
Others
.....GAACCCUGUAGACCCGAGUUU..... 21      5
.....GAACCCUGUAGACCCGAGUUUG..... 22      13
.....GAACCCUGUAGACCCGAGUUUGGA..... 24      9
.....ACCCUGUAGACCCGAGUUUGGA..... 22      20
.....AAAUUCGAGUCUAUAAGG..... 18      12
.....AAAUUCGAGUCUAUAAGGA..... 19      100
.....AAAUUCGAGUCUAUAAGGAA..... 20      184
.....AAAUUCGAGUCUAUAAGGAAA..... 21      219
.....AAAUUCGAGUCUAUAAGGAAAG..... 22      152
.....AAAUUCGAGUCUAUAAGGAAAGA..... 23      499
.....AAUUCGAGUCUAUAAGGAA..... 19      13
.....AAUUCGAGUCUAUAAGGAAA..... 20      11
.....AAUUCGAGUCUAUAAGGAAAG..... 21      7
.....AAUUCGAGUCUAUAAGGAAAGA..... 22      38
.....UUCGAGUCUAUAAGGAAAGA..... 20      19
antisense match

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#sja-mir-1175
GATATGTACGGTTGGAGTTTTTGTCTTCTGCACCAGCCACATATCAGTCTGATTGATACTCCTCACTGTAGGAGATTTTGTCAAATGAACCTGGTGAGATTCAATTA CTTCAACTGTTATATC
Total sRNA: 39868shared 5' end with miRNA: 18988  shared 3' end with miRNA: 59
miRNA

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.....UGAGAUCAAUUACUUCACUG..... 22      20657
Shared 5' Terminus
.....UGAGAUCAAUUACUUCU..... 18      26
.....UGAGAUCAAUUACUUCAA..... 19      154
.....UGAGAUCAAUUACUUCAC..... 20      576
.....UGAGAUCAAUUACUUCACU..... 21      18150
.....UGAGAUCAAUUACUUCACUG..... 23      80
Shared 3' Terminus
.....GAGAUCAAUUACUUCACUG..... 21      50
.....GUGAGAUCAAUUACUUCACUG..... 23      7
Subsequence
.....GAGAUCAAUUACUUCACU..... 20      46
.....AGAUCAAUUACUUCACU..... 19      5
Others
.....GUUGGAGUUUUUGUUUCUGC..... 20      6
.....GUUGGAGUUUUUGUUUCUGCACC..... 23      22
.....UGGAGUUUUUGUUUCUGCACC..... 21      5
.....UGGAGUUUUUGUUUCUGCACCAG..... 23      17

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.....GUGAGAUCAAUUACUCCAACU..... 22 18  
 antisense match

#sja-mir-124  
 TATATGTATGCCATTTTCCGCGATTGCCTTGATTTGTAAAAGAAAATGATTCACAACAAAATATTAAGGCACGCGGTGAATGTCATCCACGGTGC  
 Total sRNA: 393245 shared 5' end with miRNA: 47347 shared 3' end with miRNA: 1360  
 miRNA

.....UAAGGCACGCGGUGAAUGUCA.....	21	343967
Shared 5' Terminus		
.....UAAGGCACGCGGUGAAUG.....	18	3534
.....UAAGGCACGCGGUGAAUGU.....	19	14185
.....UAAGGCACGCGGUGAAUGUC.....	20	21251
.....UAAGGCACGCGGUGAAUGUCAU.....	22	8348
.....UAAGGCACGCGGUGAAUGUCAUC.....	23	27
Shared 3' Terminus		
.....AGGCACGCGGUGAAUGUCA.....	19	97
.....AAGGCACGCGGUGAAUGUCA.....	20	1258
Subsequence		
.....AAGGCACGCGGUGAAUGU.....	18	38
.....AAGGCACGCGGUGAAUGUC.....	19	85
Others		
.....CCAUUUCCGCGAUUGCCUUGA.....	22	18
.....CCAUUUCCGCGAUUGCCUUGAU.....	23	55
.....CCAUUUCCGCGAUUGCCUUGAAU.....	24	9
.....CCAUUUCCGCGAUUGCCUUGAUUU.....	25	15
.....AAGGCACGCGGUGAAUGUCAU.....	21	307
.....AGGCACGCGGUGAAUGUCAU.....	20	18
antisense match		

#sja-mir-125a  
 GTCCTTGAGACCCTTTGATTGTCTCGTTAAACATAATTCTATATGTTAAATGTAATCAGGCAGCCAAAGTGACTCAGGTGTGC  
 Total sRNA: 19210 shared 5' end with miRNA: 9825 shared 3' end with miRNA: 32  
 miRNA

..UCCUGAGACCCUUUGAUUGUC.....	22	8825
Shared 5' Terminus		
..UCCUGAGACCCUUUGAU.....	18	11
..UCCUGAGACCCUUUGAAU.....	19	30
..UCCUGAGACCCUUUGAUUG.....	20	1689
..UCCUGAGACCCUUUGAUUGU.....	21	8081
..UCCUGAGACCCUUUGAUUGUCU.....	23	14
Shared 3' Terminus		
.....UGAGACCCUUUGAUUGUC.....	18	13
.....CCUGAGACCCUUUGAUUGUC.....	20	16
Subsequence		
.....CCUGAGACCCUUUGAUUGU.....	19	6
Others		
.....CAGCCAAAGUGACUCAGGUGU..	21	8
.....CAGCCAAAGUGACUCAGGUGUG.	22	60
.....CAGCCAAAGUGACUCAGGUGUGC	23	389
.....AGCCAAAGUGACUCAGGUGUG.	21	5
.....AGCCAAAGUGACUCAGGUGUGC	22	35
.....GCCAAAGUGACUCAGGUGUGC	21	7
antisense match		

#sja-mir-125b  
 ATCCCTGAGACTGATAATTGCTCTAGTTATTATATCATTAATGAGTTTACAATAAGGGCAATTATTATTCTCAGGTGT  
 Total sRNA: 1007585 shared 5' end with miRNA: 185419 shared 3' end with miRNA: 3526  
 miRNA

.UCCUGAGACUGAUAUUGCU.....	21	816687
Shared 5' Terminus		
.UCCUGAGACUGAUAUU.....	18	3281
.UCCUGAGACUGAUAUUG.....	19	3447
.UCCUGAGACUGAUAUUGC.....	20	49025
.UCCUGAGACUGAUAUUGCUC.....	22	127999
.UCCUGAGACUGAUAUUGCUCU.....	23	1659
.UCCUGAGACUGAUAUUGCUCUA.....	24	8

Shared 3' Terminus		
...CUGAGACUGAUAUUUGCU.....	18	249
..CCUGAGACUGAUAUUUGCU.....	19	2293
.CCCUGAGACUGAUAUUUGCU.....	20	201
AUCCUGAGACUGAUAUUUGCU.....	22	783
Subsequence		
..CCCUGAGACUGAUAUUUGC.....	19	11
...CCUGAGACUGAUAUUUGC.....	18	103
Others		
AUCCUGAGACUGAUAUUU.....	19	5
AUCCUGAGACUGAUAUUUG.....	20	5
AUCCUGAGACUGAUAUUUGC.....	21	61
AUCCUGAGACUGAUAUUUGCUC.....	23	109
AUCCUGAGACUGAUAUUUGCUCU.....	24	8
..CCCUGAGACUGAUAUUUGCUC.....	21	113
..CCCUGAGACUGAUAUUUGCUCU.....	22	15
...CCUGAGACUGAUAUUUGCUC.....	20	948
..CCUGAGACUGAUAUUUGCUCU.....	21	13
...CUGAGACUGAUAUUUGCUC.....	19	97
....UGAGACUGAUAUUUGCUC.....	18	125
.....GCAAUUUUUUUCUCAGG.....	18	9
.....GCAAUUUUUUUCUCAGGU.....	19	14
.....GCAAUUUUUUUCUCAGGUG.....	20	24
.....GCAAUUUUUUUCUCAGGUGU.....	21	264
.....CAAUUUUUUUCUCAGGUGU.....	20	8
.....AAUUUUUUUCUCAGGUGU.....	19	8

antisense match

#sja-mir-190

CGACAGTAAACTGGTTCGATGTGATATGTATGGGTACTTGGTGTGTCAGCGGATAACATGTTTTATTTCGCCATTAAGCAATACACCAGTGACCAGACATATCCCTATCGCTTAGTTTAGATCCTC

Total sRNA: 296653 shared 5' end with miRNA: 99577 shared 3' end with miRNA: 508

miRNA

.....UGAUAUGUAUGGGUUACUUGGU.....	22	183425
Shared 5' Terminus		
.....UGAUAUGUAUGGGUUACU.....	18	579
.....UGAUAUGUAUGGGUUACUU.....	19	1702
.....UGAUAUGUAUGGGUUACUUG.....	20	3007
.....UGAUAUGUAUGGGUUACUUGG.....	21	22892
.....UGAUAUGUAUGGGUUACUUGGUG.....	23	65437
.....UGAUAUGUAUGGGUUACUUGGUGU.....	24	5881
.....UGAUAUGUAUGGGUUACUUGGUGUC.....	25	59
.....UGAUAUGUAUGGGUUACUUGGUGUCA.....	26	20
Shared 3' Terminus		
.....AUGUAUGGGUUACUUGGU.....	18	11
.....UAUGUAUGGGUUACUUGGU.....	19	5
.....AUAUGUAUGGGUUACUUGGU.....	20	13
.....GAUAUGUAUGGGUUACUUGGU.....	21	466
.....GUGAUAUGUAUGGGUUACUUGGU.....	23	6
.....UGUGAUAUGUAUGGGUUACUUGGU.....	24	6
Subsequence		
.....GAUAUGUAUGGGUUACUUG.....	19	5
.....GAUAUGUAUGGGUUACUUGG.....	20	56
.....AUAUGUAUGGGUUACUUGG.....	19	6
Others		
..GACAGUAAACUGGUCGAUG.....	19	11
..ACAGUAAACUGGUCGAUG.....	18	5
.....AUGUGAUAUGUAUGGGUUACUUG.....	23	6
.....AUGUGAUAUGUAUGGGUUACUUGG.....	24	13
.....UGUGAUAUGUAUGGGUUACUUGG.....	23	14
.....GAUAUGUAUGGGUUACUUGGUG.....	22	115
.....GAUAUGUAUGGGUUACUUGGUGU.....	23	6
.....AUAUGUAUGGGUUACUUGGUG.....	21	18
.....GUCAGCGGAUACAUGUUU.....	19	6
.....GUCAGCGGAUACAUGUUUU.....	20	12
.....GUCAGCGGAUACAUGUUUUA.....	21	23
.....GUCAGCGGAUACAUGUUUUUU.....	23	6
.....UCAGCGGAUACAUGUUU.....	18	5
.....UCAGCGGAUACAUGUUUU.....	19	13

.....UCAGCGGAUAAACAUUUUUU.....	20	9
.....UCAGCGGAUAAACAUUUUUU.....	21	7
.....UCAGCGGAUAAACAUUUUUU.....	22	7
.....ACAGUGACCAGACAUUCCCU.....	22	5
.....CCAGUGACCAGACAUUCC.....	18	17
.....CCAGUGACCAGACAUUCC.....	19	41
.....CCAGUGACCAGACAUUCCCU.....	20	266
.....CCAGUGACCAGACAUUCCCU.....	21	2226
.....CCAGUGACCAGACAUUCCCUA.....	22	2359
.....CCAGUGACCAGACAUUCCCUAU.....	23	24
.....CAGUGACCAGACAUUCC.....	18	39
.....CAGUGACCAGACAUUCC.....	19	129
.....CAGUGACCAGACAUUCCCU.....	20	4268
.....CAGUGACCAGACAUUCCCUA.....	21	2118
.....CAGUGACCAGACAUUCCCUAU.....	22	385
.....AGUGACCAGACAUUCC.....	18	29
.....AGUGACCAGACAUUCCCU.....	19	701
.....AGUGACCAGACAUUCCCUA.....	20	136
.....AGUGACCAGACAUUCCCUAU.....	21	13
.....GUGACCAGACAUUCCCU.....	18	5
.....GUGACCAGACAUUCCCUA.....	19	5

antisense match

#sja-mir-1989  
AGAGTTAACGTAACCTTCAGCTGTGTTTCATGTCTTCGACAAAAATAAACCAACAAGTGAATACGTAGGTATTTCATGTTGATTAATATCGAAGAAATGAGCACAACTTAGATTGTTTACTCT  
Total sRNA: 5787 shared 5' end with miRNA: 613 shared 3' end with miRNA: 364  
miRNA

.....UCAGCUGUGUUC AUGUCUUCGA.....	22	2812
Shared 5' Terminus		
.....UCAGCUGUGUUC AUGUCU.....	18	72
.....UCAGCUGUGUUC AUGUCUU.....	19	83
.....UCAGCUGUGUUC AUGUCUUC.....	20	46
.....UCAGCUGUGUUC AUGUCUUCG.....	21	412
Shared 3' Terminus		
.....AGCUGUGUUC AUGUCUUCGA.....	20	219
.....CAGCUGUGUUC AUGUCUUCGA.....	21	116
.....UUCAGCUGUGUUC AUGUCUUCGA.....	23	29
Subsequence		
.....CAGCUGUGUUC AUGUCUUCG.....	20	8
.....AGCUGUGUUC AUGUCUUCG.....	19	16
Others		
.....UUCAGCUGUGUUC AUGUCUUCG.....	22	10
.....CAGCUGUGUUC AUGUCUUCGAC.....	22	132
.....AGCUGUGUUC AUGUCUUCGAC.....	21	7
.....UCGAAGAAAUGAGCACAACUUA.....	22	6
.....CGAAGAAAUGAGCACAACUUAG.....	22	8
.....CGAAGAAAUGAGCACAACUUAGA.....	23	15
.....GAAGAAAUGAGCACAACUU.....	19	5
.....GAAGAAAUGAGCACAACUUA.....	20	16
.....GAAGAAAUGAGCACAACUUAG.....	21	43
.....GAAGAAAUGAGCACAACUUAGA.....	22	1579
.....AAGAAAUGAGCACAACUUA.....	19	12
.....AAGAAAUGAGCACAACUUAG.....	20	52
.....AAGAAAUGAGCACAACUUAGA.....	21	60

antisense match

#sja-mir-1b  
NNTGGAATGTTGTGAAGTATGTGCNN  
Total sRNA: 1471286 shared 5' end with miRNA: 56390 shared 3' end with miRNA: 2520  
miRNA

..UGGAAUGUUGUGAAGUAUGUC..	22	1412190
Shared 5' Terminus		
..UGGAAUGUUGUGAAGUAU.....	18	643
..UGGAAUGUUGUGAAGUAUG.....	19	2545
..UGGAAUGUUGUGAAGUAUGU....	20	10501
..UGGAAUGUUGUGAAGUAUGUG...	21	42701
Shared 3' Terminus		

```

....AAUGUUGUGAAGUAUGUC..      19      12
...GAAUGUUGUGAAGUAUGUC..      20     328
...GGAAUGUUGUGAAGUAUGUC..      21    2177
Subsequence
...GGAAUGUUGUGAAGUAUG.....      18     35
...GGAAUGUUGUGAAGUAUGU....      19     22
...GGAAUGUUGUGAAGUAUGUG...      20     89
...GAAUGUUGUGAAGUAUGUG...      19     32
....AAUGUUGUGAAGUAUGUG...      18      5
Others
antisense match

```

```

#sja-mir-2162
CTAGGGGATGAGTGGATTGTCATATTTACATTGCTGGTATGTATATGCAACGTTTCACTCTACTCCGGGGA
Total sRNA: 278963      shared 5' end with miRNA: 77313      shared 3' end with miRNA: 733
miRNA

```

```

.....UAUUAUGCAACGUUUCACUCU.....      21    125057
Shared 5' Terminus
.....UAUUAUGCAACGUUUCAC.....      18    1297
.....UAUUAUGCAACGUUUCACU.....      19    41631
.....UAUUAUGCAACGUUUCACUC.....      20    34206
.....UAUUAUGCAACGUUUCACUCUA.....      22     178
Shared 3' Terminus
.....UAUGCAACGUUUCACUCU.....      18     43
.....UUAUGCAACGUUUCACUCU.....      19     75
.....AUUAUGCAACGUUUCACUCU.....      20    606
.....GUAUUUAUGCAACGUUUCACUCU.....      22      6
Subsequence
.....AUUAUGCAACGUUUCACU.....      18    116
.....AUUAUGCAACGUUUCACUC.....      19     99
.....UUAUGCAACGUUUCACUC.....      18      9
Others

```

```

.....AGUGAGAUGUUGCAUAU.....      18     26
.....AGUGAGAUGUUGCAUAUU.....      19     67
.....AGUGAGAUGUUGCAUAUUU.....      20    5327
.....AGUGAGAUGUUGCAUAUUUA.....      21    27610
.....AGUGAGAUGUUGCAUAUUUAC.....      22    3818
.....AGUGAGAUGUUGCAUAUUUACA.....      23    31490
.....AGUGAGAUGUUGCAUAUUUACAU.....      24     174
.....AGUGAGAUGUUGCAUAUUUACAUU.....      25      94
.....GUGAGAUGUUGCAUAUUU.....      19     134
.....GUGAGAUGUUGCAUAUUUA.....      20    2473
.....GUGAGAUGUUGCAUAUUUAC.....      21    2605
.....GUGAGAUGUUGCAUAUUUACA.....      22    1658
.....GUGAGAUGUUGCAUAUUUACAU.....      23      23
.....GUGAGAUGUUGCAUAUUUACAUU.....      24     19
.....UGAGAUGUUGCAUAUUUAC.....      20      7
.....UGAGAUGUUGCAUAUUUACA.....      21     34
.....GAGAUGUUGCAUAUUUAC.....      19      5
.....GAGAUGUUGCAUAUUUACA.....      20     34
.....GAGAUGUUGCAUAUUUACAUU.....      22      9
antisense match

```

```

#sja-mir-219
TCTGTGAACAATCGATTCACTGATTGTCCATTTCGATTCTTGTGTAGAAACATTTTCAATTATTATCATTTATTCAATGATAATGATGATAATATTTAATTCACAAGAGGTGTTAATGGACATCATATGATCGATTATTAATCATCT
Total sRNA: 102776      shared 5' end with miRNA: 44799      shared 3' end with miRNA: 2507
miRNA

```

```

.....UGAUUGUCCAUCGCAUUUCUU.....      22    50730
Shared 5' Terminus
.....UGAUUGUCCAUCGCAUU.....      18     80
.....UGAUUGUCCAUCGCAUUU.....      19    309
.....UGAUUGUCCAUCGCAUUUC.....      20    411
.....UGAUUGUCCAUCGCAUUUCU.....      21    7016
.....UGAUUGUCCAUCGCAUUUCUUG.....      23    36501
.....UGAUUGUCCAUCGCAUUUCUUGU.....      24     464
.....UGAUUGUCCAUCGCAUUUCUUGUU.....      25      18
Shared 3' Terminus

```



.....AUUGUCCAUUCGCAUUUCUU.....	20	55
.....GAUUGUCCAUUCGCAUUUCUU.....	21	2441
.....CUGAUUGUCCAUUCGCAUUUCUU.....	23	8
Subsequence		
.....GAUUGUCCAUUCGCAUUU.....	18	7
.....GAUUGUCCAUUCGCAUUUC.....	19	13
.....GAUUGUCCAUUCGCAUUUCU.....	20	203
.....AUUGUCCAUUCGCAUUUCU.....	19	6
Others		
.....CUGAUUGUCCAUUCGCAUUUCUUG.....	24	11
.....GAUUGUCCAUUCGCAUUUCUUG.....	22	3038
.....GAUUGUCCAUUCGCAUUUCUUGU.....	23	55
.....AUUGUCCAUUCGCAUUUCUUG.....	21	165
.....AUUGUCCAUUCGCAUUUCUUGU.....	22	115
.....UUGUCCAUUCGCAUUUCUUG.....	20	16
.....UUGUCCAUUCGCAUUUCUUGU.....	21	102
.....UUGUCCAUUCGCAUUUCUUGUU.....	22	18
.....GUCCAUUCGCAUUUCUUG.....	18	12
.....AAGAGGUGUUAUUGGACAU.....	19	5
.....AAGAGGUGUUAUUGGACAUCAU.....	22	40
.....AGAGGUGUUAUUGGACAU.....	19	5
.....AGAGGUGUUAUUGGACAUCA.....	20	9
.....AGAGGUGUUAUUGGACAUCAU.....	21	318
.....AGAGGUGUUAUUGGACAUCAUA.....	22	573
antisense match		

#sja-mir-277

ATAANNNNNNNNNATATTGTAAATGCATTTTCTGGCCGTAACATAAGACACAATGAACATCCTTATCTTTGATAGTTTTTAAAGTTAAGTTTTGTCTTGTCTTGTCAATGTAATAGATGTCCTTTCTTTTCAGTGATGGG

Total sRNA: 85658 shared 5' end with miRNA: 54014 shared 3' end with miRNA: 396

miRNA

.....UAAAUGCAUUUCUGGCCGU.....	21	28896
Shared 5' Terminus		
.....UAAAUGCAUUUCUGGCC.....	18	965
.....UAAAUGCAUUUCUGGCC.....	19	2242
.....UAAAUGCAUUUCUGGCCG.....	20	2116
.....UAAAUGCAUUUCUGGCCGUA.....	22	24811
.....UAAAUGCAUUUCUGGCCGUA.....	23	23471
.....UAAAUGCAUUUCUGGCCGUAAC.....	24	330
.....UAAAUGCAUUUCUGGCCGUAACU.....	25	75
Shared 3' Terminus		
.....AUGCAUUUCUGGCCGU.....	18	7
.....AAUGCAUUUCUGGCCGU.....	19	109
.....AAAUGCAUUUCUGGCCGU.....	20	279
Subsequence		
.....AAAUGCAUUUCUGGCC.....	18	16
.....AAAUGCAUUUCUGGCCG.....	19	18
.....AAUGCAUUUCUGGCCG.....	18	13
Others		
.....AAAUGCAUUUCUGGCCGUA.....	21	326
.....AAAUGCAUUUCUGGCCGUA.....	22	535
.....AAAUGCAUUUCUGGCCGUAAC.....	23	37
.....AAAUGCAUUUCUGGCCGUAACU.....	24	32
.....AAUGCAUUUCUGGCCGUA.....	20	213
.....AAUGCAUUUCUGGCCGUA.....	21	434
.....AAUGCAUUUCUGGCCGUAAC.....	22	428
.....AAUGCAUUUCUGGCCGUAACU.....	23	263
.....AUGCAUUUCUGGCCGUA.....	19	14
.....AUGCAUUUCUGGCCGUA.....	20	9
.....GCAUUUCUGGCCGUA.....	18	10
antisense match		

#sja-mir-277b

NNAAAATGCATCATCTACCCTAGANN

Total sRNA: 328649 shared 5' end with miRNA: 119667 shared 3' end with miRNA: 1349

miRNA

..AAAUGCAUCAUCUACCCUAGA.. 22 207027

Shared 5' Terminus

```

..AAAUGCAUCAUCUACCC..... 18 576
..AAAUGCAUCAUCUACCCU.... 19 3094
..AAAUGCAUCAUCUACCCUA... 20 15059
..AAAUGCAUCAUCUACCCUAG... 21 100938
Shared 3' Terminus
.....UGCAUCAUCUACCCUAGA.. 18 20
.....AUGCAUCAUCUACCCUAGA.. 19 75
.....AAUGCAUCAUCUACCCUAGA.. 20 112
.....AAAUGCAUCAUCUACCCUAGA.. 21 1142
Subsequence
...AAAUGCAUCAUCUACCCU.... 18 10
...AAAUGCAUCAUCUACCCUA... 19 60
...AAAUGCAUCAUCUACCCUAG... 20 460
...AAUGCAUCAUCUACCCUA... 18 6
...AAUGCAUCAUCUACCCUAG... 19 43
.....AUGCAUCAUCUACCCUAG... 18 27
Others
antisense match

```

```

#sja-mir-2a
ACCTTTTGCACCGCAGTCAATATTGGCTGATGGCATTGTTTATTGTACACGCCAGTATTGATGAACGGGTAATAGG
Total sRNA: 932498 shared 5' end with miRNA: 72273 shared 3' end with miRNA: 9480
miRNA

```

```

.....UCACAGCCAGUAUUGAUGAACG..... 22 850364
Shared 5' Terminus
.....UCACAGCCAGUAUUGAUG..... 18 2359
.....UCACAGCCAGUAUUGAUGA..... 19 6905
.....UCACAGCCAGUAUUGAUGAA..... 20 24093
.....UCACAGCCAGUAUUGAUGAAC..... 21 38862
.....UCACAGCCAGUAUUGAUGAACGG..... 23 40
.....UCACAGCCAGUAUUGAUGAACGGG..... 25 8
Shared 3' Terminus
.....AGCCAGUAUUGAUGAACG..... 18 20
.....CAGCCAGUAUUGAUGAACG..... 19 20
.....ACAGCCAGUAUUGAUGAACG..... 20 7479
.....CACAGCCAGUAUUGAUGAACG..... 21 1960
Subsequence
.....CACAGCCAGUAUUGAUGA..... 18 15
.....CACAGCCAGUAUUGAUGAA..... 19 64
.....CACAGCCAGUAUUGAUGAAC..... 20 66
.....ACAGCCAGUAUUGAUGAA..... 18 44
.....ACAGCCAGUAUUGAUGAAC..... 19 105
Others
.....CAGUCAAUAUUGGCUGAUGGCA..... 22 44
.....CAGUCAAUAUUGGCUGAUGGCAU..... 23 5
.....AGUCAAUAUUGGCUGAUGGCA..... 21 10
.....AGUCAAUAUUGGCUGAUGGCAU..... 22 7
.....GUCACAGCCAGUAUUGAUGAAC..... 22 7
antisense match

```

```

#sja-mir-2b
AGGTGGTGGCGTCTCAAAGGACTGTGAGCCAACGTAATTACTGTATCACAGCCCTGCTTGGGACACAGCCTACCTGC
Total sRNA: 16860 shared 5' end with miRNA: 10920 shared 3' end with miRNA: 50
miRNA

```

```

.....UAUCACAGCCUGCUUGGGACAC..... 23 5629
Shared 5' Terminus
.....UAUCACAGCCUGCUUGG..... 18 102
.....UAUCACAGCCUGCUUGGG..... 19 209
.....UAUCACAGCCUGCUUGGGA..... 20 448
.....UAUCACAGCCUGCUUGGGAC..... 21 1043
.....UAUCACAGCCUGCUUGGGACA..... 22 5295
.....UAUCACAGCCUGCUUGGGACACA..... 24 3822
Shared 3' Terminus
.....ACAGCCUGCUUGGGACAC..... 19 30
.....AUCACAGCCUGCUUGGGACAC..... 22 16
Subsequence
.....AUCACAGCCUGCUUGGGACA..... 21 8

```

.....ACAGCCUGCUUGGGACA.....	18	11
Others		
.....CGUCUCAAAAGGACUGUGAG.....	19	6
.....CGUCUCAAAAGGACUGUGAGC.....	20	9
.....CGUCUCAAAAGGACUGUGAGCC.....	21	19
.....CGUCUCAAAAGGACUGUGAGCCA.....	22	92
.....GUCUCAAAAGGACUGUGAGCC.....	20	10
.....GUCUCAAAAGGACUGUGAGCCA.....	21	20
.....GUCUCAAAAGGACUGUGAGCCAAC.....	23	5
.....AUCACAGCCUGCUUGGGACACA.....	23	21
.....ACAGCCUGCUUGGGACACA.....	20	41
antisense match		

#sja-mir-2c  
TTCAGGCGCAACCCCTTGTTCGACTGTGATGTGATTGAAATTAGCCCATATCACAGCCGTGCTTAAGGGCTTCGTCGAAA  
Total sRNA: 6498 shared 5' end with miRNA: 944 shared 3' end with miRNA: 23  
miRNA

.....ACCCUUGUUCGACUGUGAUGUG.....	22	4523
Shared 5' Terminus		
.....ACCCUUGUUCGACUGUGAU.....	19	6
.....ACCCUUGUUCGACUGUGAUG.....	20	23
.....ACCCUUGUUCGACUGUGAUGU.....	21	899
.....ACCCUUGUUCGACUGUGAUGUGA.....	23	11
Shared 3' Terminus		
.....CCUUGUUCGACUGUGAUGUG.....	20	6
.....CCUUGUUCGACUGUGAUGUG.....	21	14
Subsequence		
Others		
.....UAUCACAGCCGUGCUUAAG.....	19	24
.....UAUCACAGCCGUGCUUAAGG.....	20	175
.....UAUCACAGCCGUGCUUAAGGG.....	21	126
.....UAUCACAGCCGUGCUUAAGGGC.....	22	204
.....UAUCACAGCCGUGCUUAAGGGCU.....	23	240
.....UAUCACAGCCGUGCUUAAGGGCUU.....	24	206
.....AUCACAGCCGUGCUUAAGGGCUU.....	23	6
antisense match		

#sja-mir-2d  
CGACCAGTTCGTATCCATGGATTGTGATTTTCGGACTCCATGTTTCATTAAGTGAATATCACAGTCTGCTTAGGTGACGAATTCGT  
Total sRNA: 45601 shared 5' end with miRNA: 20296 shared 3' end with miRNA: 221  
miRNA

.....UAUCACAGUCCUGCUUAGGUGACG.....	24	24427
Shared 5' Terminus		
.....UAUCACAGUCCUGCUUAG.....	18	10
.....UAUCACAGUCCUGCUUAGG.....	19	50
.....UAUCACAGUCCUGCUUAGGU.....	20	147
.....UAUCACAGUCCUGCUUAGGUG.....	21	141
.....UAUCACAGUCCUGCUUAGGUGA.....	22	3505
.....UAUCACAGUCCUGCUUAGGUGAC.....	23	5292
.....UAUCACAGUCCUGCUUAGGUGACGA.....	25	10898
.....UAUCACAGUCCUGCUUAGGUGACGAA.....	26	243
.....UAUCACAGUCCUGCUUAGGUGACGAAU.....	27	8
Shared 3' Terminus		
.....ACAGUCCUGCUUAGGUGACG.....	20	19
.....UCACAGUCCUGCUUAGGUGACG.....	22	7
.....AUCACAGUCCUGCUUAGGUGACG.....	23	42
.....AUUACACAGUCCUGCUUAGGUGACG.....	25	153
Subsequence		
.....AUCACAGUCCUGCUUAGGUGA.....	21	6
.....AUCACAGUCCUGCUUAGGUGAC.....	22	10
Others		
.....GUCAUCCAUGGAUUGUGAUUU.....	21	17
.....GUCAUCCAUGGAUUGUGAUUUU.....	22	287
.....CAUCCAUGGAUUGUGAUUUU.....	20	9
.....CGGACUCCAUGUUUCAUUAA.....	20	5
.....CGGACUCCAUGUUUCAUUAG.....	21	6
.....CGGACUCCAUGUUUCAUUAGU.....	22	33

.....CGGACUCCAUGUUUCAUUAAAGUG.....	23	7
.....CGGACUCCAUGUUUCAUUAAAGUGA.....	24	33
.....CGGACUCCAUGUUUCAUUAAAGUGAA.....	25	34
.....AUAUCACAGUCCUGCUUAGGU.....	21	10
.....AUAUCACAGUCCUGCUUAGGUG.....	22	10
.....AUAUCACAGUCCUGCUUAGGUGA.....	23	40
.....AUAUCACAGUCCUGCUUAGGUGAC.....	24	42
.....AUAUCACAGUCCUGCUUAGGUGACGA.....	26	47
.....AUCACAGUCCUGCUUAGGUGACGA.....	24	23
.....ACAGUCCUGCUUAGGUGACGA.....	21	9

antisense match

#sja-mir-2e

CCACCGCTCTTACCAACTTAGACTGAGTTATACTGCTACTGTAAGCTTTGTATATCACAGTCCAAGCTTTGGTAAGTTTGTAT

Total sRNA: 16624 shared 5' end with miRNA: 5958 shared 3' end with miRNA: 22

miRNA

.....UAUCACAGUCCAAGCUUUGGU.....	21	5987
Shared 5' Terminus		
.....UAUCACAGUCCAAGCUUU.....	18	720
.....UAUCACAGUCCAAGCUUUG.....	19	182
.....UAUCACAGUCCAAGCUUUGG.....	20	1001
.....UAUCACAGUCCAAGCUUUGGUA.....	22	786
.....UAUCACAGUCCAAGCUUUGGUA.....	23	2686
.....UAUCACAGUCCAAGCUUUGGUAAG.....	24	560
.....UAUCACAGUCCAAGCUUUGGUAAGU.....	25	23
Shared 3' Terminus		
.....AUCACAGUCCAAGCUUUGGU.....	20	17

Subsequence

Others		
.....UACCAACUUAGACUGAGUUA.....	20	56
.....UACCAACUUAGACUGAGUUAU.....	21	3524
.....UACCAACUUAGACUGAGUUAUA.....	22	596
.....ACCAACUUAGACUGAGUUA.....	19	11
.....ACCAACUUAGACUGAGUUAU.....	20	53
.....ACCAACUUAGACUGAGUUAUA.....	21	85
.....CCAACUUAGACUGAGUUAU.....	19	5
.....CUGCUCUGUAAGCUUUGUA.....	20	10
.....AUAUCACAGUCCAAGCUUUGGUA.....	24	5
.....AUCACAGUCCAAGCUUUGGUA.....	21	49
.....AUCACAGUCCAAGCUUUGGUA.....	22	144
.....AUCACAGUCCAAGCUUUGGUAAG.....	23	19
.....UCACAGUCCAAGCUUUGGUA.....	21	12
.....UCACAGUCCAAGCUUUGGUAAGU.....	23	9
.....ACAGUCCAAGCUUUGGUA.....	18	7
.....ACAGUCCAAGCUUUGGUA.....	19	16

antisense match

#sja-mir-307

AGAAACTCCTCATAAAGAAGGTTGTTTTGATGTAATATCAATAATTAATAATAATTATTATTATTATTCATTCGATGAAATAATAATATAAAGAAGATGAATATAAAATAACTTACATCACAACTACTTGATTGAGGGGCACTTCG

Total sRNA: 2800 shared 5' end with miRNA: 221 shared 3' end with miRNA: 64

miRNA

.....CCUCAAAAAGAAGGUUUUGAUG.....	24	757
Shared 5' Terminus		
.....CCUCAAAAAGAAGGUUUUG.....	21	7
.....CCUCAAAAAGAAGGUUUUGA.....	22	43
.....CCUCAAAAAGAAGGUUUUGAU.....	23	40
.....CCUCAAAAAGAAGGUUUUGAUGU.....	25	119
.....CCUCAAAAAGAAGGUUUUGAUGUA.....	26	10
Shared 3' Terminus		
.....AUAAGAAGGUUUUGAUG.....	20	10
.....UCAAAAAGAAGGUUUUGAUG.....	22	15
.....CUCAAAAAGAAGGUUUUGAUG.....	23	27
.....UCCUCAAAAAGAAGGUUUUGAUG.....	25	8
Subsequence		
.....CUCAAAAAGAAGGUUUUGA.....	21	13
.....CUCAAAAAGAAGGUUUUGAU.....	22	11
.....UCAAAAAGAAGGUUUUGAU.....	21	6

Others			
.....CUCAUAAAGAAGGUUUUGAUGU.....	24	9	
.....AUCACAACCUACUUGAUUGA.....	20	8	
.....AUCACAACCUACUUGAUUGAG.....	21	11	
.....AUCACAACCUACUUGAUUGAGGG.....	24	12	
.....UCACAACCUACUUGAUUG.....	18	9	
.....UCACAACCUACUUGAUUGA.....	19	212	
.....UCACAACCUACUUGAUUGAG.....	20	273	
.....UCACAACCUACUUGAUUGAGG.....	21	189	
.....UCACAACCUACUUGAUUGAGGG.....	22	214	
.....UCACAACCUACUUGAUUGAGGGG.....	23	616	
.....CACAACCUACUUGAUUGAGGGG.....	22	6	
.....ACAACCUACUUGAUUGAG.....	18	11	
.....ACAACCUACUUGAUUGAGG.....	19	17	
.....ACAACCUACUUGAUUGAGGG.....	20	15	
.....ACAACCUACUUGAUUGAGGGG.....	21	89	
antisense match			

#sja-mir-31

TATTTGTTGTTGGCAAGATTACGGCGAAGCTGAATCAAATTTAAAAATGTTTCAGCTTCACTTTATTTTGCCAATAAAGGTAGC

Total sRNA: 2133 shared 5' end with miRNA: 1104 shared 3' end with miRNA: 9

miRNA			
.....UGGCAAGAUUACGGCGAAGCU.....	21	993	
Shared 5' Terminus			
.....UGGCAAGAUUACGGCGAAG.....	19	129	
.....UGGCAAGAUUACGGCGAAGC.....	20	130	
.....UGGCAAGAUUACGGCGAAGCUG.....	22	172	
.....UGGCAAGAUUACGGCGAAGCUGA.....	23	618	
.....UGGCAAGAUUACGGCGAAGCUGAA.....	24	48	
Shared 3' Terminus			
.....GGCAAGAUUACGGCGAAGCU.....	20	7	
Subsequence			
Others			
.....GGCAAGAUUACGGCGAAGCUGAA.....	23	11	
.....AGCUUCACUUUUUUUGCCA.....	22	6	
antisense match			

#sja-mir-3479

CATGTTTGTGAGGTGGATGTTAGTGCAATTTAGTGACGTAATATATATGCACTTACCTTCGCCTTGCAAAATATAGG

Total sRNA: 47531 shared 5' end with miRNA: 7136 shared 3' end with miRNA: 187

miRNA			
.....UAUUGCACUUACCUUCGCCUUG.....	22	32829	
Shared 5' Terminus			
.....UAUUGCACUUACCUUCGC.....	18	216	
.....UAUUGCACUUACCUUCGCC.....	19	870	
.....UAUUGCACUUACCUUCGCCU.....	20	1196	
.....UAUUGCACUUACCUUCGCCUU.....	21	4787	
.....UAUUGCACUUACCUUCGCCUUGC.....	23	67	
Shared 3' Terminus			
.....UUGCACUUACCUUCGCCUUG.....	20	41	
.....AUUGCACUUACCUUCGCCUUG.....	21	104	
.....AUUGCACUUACCUUCGCCUUG.....	23	33	
Subsequence			
.....AUUGCACUUACCUUCGCC.....	18	5	
.....AUUGCACUUACCUUCGCCUU.....	20	25	
.....UUGCACUUACCUUCGCCUU.....	19	7	
Others			
.....UUGUGAGGUGGAUGUUAGUGCA.....	22	10	
.....UGAGGUGGAUGUUAGUGCAAUU.....	22	97	
.....UGAGGUGGAUGUUAGUGCAAUU.....	23	8	
.....GAGGUGGAUGUUAGUGCAAU.....	20	11	
.....GAGGUGGAUGUUAGUGCAAUU.....	21	70	
.....GAGGUGGAUGUUAGUGCAAUU.....	22	369	
.....AGGUGGAUGUUAGUGCAA.....	18	9	
.....AGGUGGAUGUUAGUGCAA.....	19	22	
.....AGGUGGAUGUUAGUGCAAUU.....	20	267	
.....AGGUGGAUGUUAGUGCAAUU.....	21	1336	

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.....AGGUGGAUGUUAGUGCAAUUUA..... 22 4674
.....GGUGGAUGUUAGUGCAAUUU..... 20 15
.....GGUGGAUGUUAGUGCAAUUUA..... 21 214
.....GUGGAUGUUAGUGCAAUUUA..... 20 98
.....AUUGCACUUACCUUCGCCUUGC..... 22 80
.....UUGCACUUACCUUCGCCUUGC..... 21 9
.....UGCACUUACCUUCGCCUUGC..... 20 5
antisense match

```

#sja-mir-3488

TGGTGAATGACGATTGATGATTATAATGGCGCGCACGTGCTCCGGTAGCTTAGTTGGTTAGAGCGCCG  
Total sRNA: 2104 shared 5' end with miRNA: 1142 shared 3' end with miRNA: 29  
miRNA

```

.....GCUCCGGUAGCUUAGUUGGU..... 20 653
Shared 5' Terminus
.....GCUCCGGUAGCUUAGUUG..... 18 73
.....GCUCCGGUAGCUUAGUUG..... 19 186
.....GCUCCGGUAGCUUAGUUGGU..... 21 279
.....GCUCCGGUAGCUUAGUUGGUUA..... 22 358
.....GCUCCGGUAGCUUAGUUGGUUAG..... 23 173
.....GCUCCGGUAGCUUAGUUGGUUAGA..... 24 41
.....GCUCCGGUAGCUUAGUUGGUUAGAG..... 25 25
.....GCUCCGGUAGCUUAGUUGGUUAGAGC..... 26 6
Shared 3' Terminus
.....UCCGGUAGCUUAGUUGGU..... 18 5
.....GUGCUCGGUAGCUUAGUUGGU..... 22 22
Subsequence
Others
.....GUGCUCGGUAGCUUAGU..... 18 7
.....GUGCUCGGUAGCUUAGUUG..... 20 17
.....GUGCUCGGUAGCUUAGUUG..... 21 49
.....GUGCUCGGUAGCUUAGUUGGU..... 23 39
.....GUGCUCGGUAGCUUAGUUGGUUA..... 24 42
.....GUGCUCGGUAGCUUAGUUGGUUAG..... 25 10
.....UGCUCGGUAGCUUAGUUGGU..... 22 5
.....UCCGGUAGCUUAGUUGGU..... 19 36
.....UCCGGUAGCUUAGUUGGUUA..... 20 12
.....UCCGGUAGCUUAGUUGGUUAG..... 21 14
.....CCGGUAGCUUAGUUGGUUAG..... 20 5
.....CGGUAGCUUAGUUGGUUAG..... 19 5
antisense match

```

#sja-mir-3505

TGCGCAAGTGTGACTGTCTGGACACAGTAGTTTGGCGGTAACGCTGTGGCGTTTGACACGAAACAGACTGAGTTCCAACCGTAG  
Total sRNA: 4354 shared 5' end with miRNA: 2132 shared 3' end with miRNA: 127  
miRNA

```

.....UGACUGUCUGGACACAGUAGUU..... 23 1903
Shared 5' Terminus
.....UGACUGUCUGGACACAGUAG..... 20 906
.....UGACUGUCUGGACACAGUAGU..... 21 350
.....UGACUGUCUGGACACAGUAGUU..... 22 873
Shared 3' Terminus
.....GACUGUCUGGACACAGUAGUU..... 22 40
.....GUGACUGUCUGGACACAGUAGUU..... 24 87
Subsequence
.....GACUGUCUGGACACAGUAG..... 19 72
.....GACUGUCUGGACACAGUAGU..... 20 13
.....GACUGUCUGGACACAGUAGUU..... 21 5
Others
.....CAAGUGUGACUGUCUGGACA..... 20 15
.....AAGUGUGACUGUCUGGACAC..... 20 8
.....AGUGUGACUGUCUGGACACA..... 20 11
.....GUGUGACUGUCUGGACACAG..... 20 12
.....UGUGACUGUCUGGACACAGUAG..... 22 7
.....GUGACUGUCUGGACACAGUA..... 20 11
.....GUGACUGUCUGGACACAGUAG..... 21 12
.....GUGACUGUCUGGACACAGUAGU..... 23 9

```

antisense match

#sja-mir-36

TATAGCTTGC GAAGAATGCCGATCCGGTCAGCCATTCAACAATCTATCAGTAATAAACGGCCACCGGTAGACATTCATTGCAAGATATTAT

Total sRNA: 115809 shared 5' end with miRNA: 34241 shared 3' end with miRNA: 976

miRNA	.....CCACCGGUAGACAUUC AUUCG.....	23	79783
Shared 5' Terminus	.....CCACCGGUAGACAUUC A.....	18	114
.....CCACCGGUAGACAUUC A.....	19	1331	
.....CCACCGGUAGACAUUC AU.....	20	1280	
.....CCACCGGUAGACAUUC AUUC.....	21	5497	
.....CCACCGGUAGACAUUC AUUCG.....	22	15942	
.....CCACCGGUAGACAUUC AUUCGCA.....	24	9479	
.....CCACCGGUAGACAUUC AUUCGCAA.....	25	596	
Shared 3' Terminus	.....GGGUAGACAUUC AUUCG.....	18	108
.....CCGGUAGACAUUC AUUCG.....	20	10	
.....ACCGGUAGACAUUC AUUCG.....	21	108	
.....CACCGGUAGACAUUC AUUCG.....	22	748	
Subsequence	.....CACCGGUAGACAUUC A.....	18	9
.....CACCGGUAGACAUUC AUUC.....	20	33	
.....CACCGGUAGACAUUC AUUCG.....	21	148	
.....ACCGGUAGACAUUC AUUCG.....	20	26	
Others	.....GAAGAAUGCCGAUCCGGUCA.....	20	8
.....GAAGAAUGCCGAUCCGGUCAG.....	21	5	
.....GAAGAAUGCCGAUCCGGUCAGC.....	22	25	
.....GAAGAAUGCCGAUCCGGUCAGCC.....	23	275	
.....AAGAAUGCCGAUCCGGUCAGCC.....	22	19	
.....AUUCAACAUCUAUCAGUAUAAAACGG.....	27	13	
.....AACAAUCUAUCAGUAUAAAACGG.....	23	6	
.....CACCGGUAGACAUUC AUUCGCA.....	23	160	
.....CACCGGUAGACAUUC AUUCGCAA.....	24	18	
.....ACCGGUAGACAUUC AUUCGCA.....	22	15	
.....GGGUAGACAUUC AUUCGCA.....	19	6	

antisense match

#sja-mir-61

CATTCTAAC TTTACATCACATGACTAGAAAGTGCACCTCACTCCATCTCAGTACAGACATCATT TAGAGAAATGTGCCACAGTAAAAATCCCTATGTTACGTA AATTTGCGTAAGTTCAATGTGTATTGTAGATTTATTA

Total sRNA: 47544 shared 5' end with miRNA: 21747 shared 3' end with miRNA: 147

miRNA	.....UGACUAGAAAAGUGCACUCACUUC.....	23	25522
Shared 5' Terminus	.....UGACUAGAAAAGUGCACUC.....	18	30
.....UGACUAGAAAAGUGCACUCA.....	19	99	
.....UGACUAGAAAAGUGCACUCAC.....	20	270	
.....UGACUAGAAAAGUGCACUCACU.....	21	4638	
.....UGACUAGAAAAGUGCACUCACUU.....	22	16667	
.....UGACUAGAAAAGUGCACUCACUUC.....	24	43	
Shared 3' Terminus	.....ACUAGAAAAGUGCACUCACUUC.....	21	18
.....GACUAGAAAAGUGCACUCACUUC.....	22	115	
.....AUGACUAGAAAAGUGCACUCACUUC.....	24	6	
Subsequence	.....GACUAGAAAAGUGCACUCACU.....	20	13
.....GACUAGAAAAGUGCACUCACUU.....	21	43	
.....ACUAGAAAAGUGCACUCACUU.....	20	12	

Others

.....UCACAUGACUAGAAAAGUGCACU.....	22	36
.....UCACAUGACUAGAAAAGUGCACUC.....	23	9

antisense match

#sja-mir-7

ATGTTGCCGTTGCTTAATCATGGAAGACTGGTGATATGTTGTTGATTGATGAAAGTTTAAAGTATTTTCATAATTTAAAGCTTCATCAAAAACATGATATTACGAACAACCTTATCGCATTTCCATGTATGCAATAGGTTGAACTTC

Total sRNA: 1449744 shared 5' end with miRNA: 170273 shared 3' end with miRNA: 5639

miRNA	UGGAAGACUGGUGUAUGUUGUU	23	1271095
Shared 5' Terminus			
	UGGAAGACUGGUGUAUG	18	677
	UGGAAGACUGGUGUAUGU	19	2134
	UGGAAGACUGGUGUAUGUU	20	5361
	UGGAAGACUGGUGUAUGUUG	21	9842
	UGGAAGACUGGUGUAUGUUGU	22	152128
	UGGAAGACUGGUGUAUGUUGUU	24	130
Shared 3' Terminus			
	AGACUGGUGUAUGUUGUU	19	8
	AAGACUGGUGUAUGUUGUU	20	45
	GAAGACUGGUGUAUGUUGUU	21	453
	GGAAGACUGGUGUAUGUUGUU	22	5044
	AUGGAAGACUGGUGUAUGUUGUU	24	79
	CAUGGAAGACUGGUGUAUGUUGUU	25	5
	UCAUGGAAGACUGGUGUAUGUUGUU	26	5
Subsequence			
	GGAAGACUGGUGUAUGU	18	9
	GGAAGACUGGUGUAUGUU	19	13
	GGAAGACUGGUGUAUGUUG	20	24
	GGAAGACUGGUGUAUGUUGU	21	587
	GAAGACUGGUGUAUGUUGU	20	24
Others			
	UCAUGGAAGACUGGUGUAUGU	22	24
	UCAUGGAAGACUGGUGUAUGUU	23	134
	UCAUGGAAGACUGGUGUAUGUUG	24	7
	UCAUGGAAGACUGGUGUAUGUUGU	25	12
	CAUGGAAGACUGGUGUAUGUU	22	5
	CAUGGAAGACUGGUGUAUGUUG	23	5
	CAUGGAAGACUGGUGUAUGUUGU	24	7
	AUGGAAGACUGGUGUAUGUU	21	18
	AUGGAAGACUGGUGUAUGUUG	22	46
	AUGGAAGACUGGUGUAUGUUGU	23	221
	CAACUUUUCGCAUUCUCCA	20	40
	CAACUUUUCGCAUUCUCCA	21	153
	CAACUUUUCGCAUUCUCCAUG	22	795
	CAACUUUUCGCAUUCUCCAUGU	23	20
	AACUUUUCGCAUUCUCCA	19	13
	AACUUUUCGCAUUCUCCA	20	130
	AACUUUUCGCAUUCUCCAUG	21	354
	AACUUUUCGCAUUCUCCAUGU	22	56
	ACUUUUCGCAUUCUCCAUG	20	6
	ACUUUUCGCAUUCUCCAUGU	21	6
antisense match			

#sja-mir-71a

GTGATAC TAGTGTGTAAAGACGATGGTAGTGAGATGCCAGTTGCATCTCGCTTCCCGCCTTCCCGGTAAGAATCAC

Total sRNA: 7459724 shared 5' end with miRNA: 3604013 shared 3' end with miRNA: 9664

miRNA	UGAAAGACGAUGGUAGUGAGAUG	23	3835922
Shared 5' Terminus			
	UGAAAGACGAUGGUAGUG	18	9314
	UGAAAGACGAUGGUAGUGA	19	71230
	UGAAAGACGAUGGUAGUGAG	20	368417
	UGAAAGACGAUGGUAGUGAGA	21	615498
	UGAAAGACGAUGGUAGUGAGAU	22	2525837
	UGAAAGACGAUGGUAGUGAGAGC	24	13700
	UGAAAGACGAUGGUAGUGAGAGCC	25	16
Shared 3' Terminus			
	GACGAUGGUAGUGAGAUG	18	72
	AGACGAUGGUAGUGAGAUG	19	124
	AAGACGAUGGUAGUGAGAUG	20	332
	AAAGACGAUGGUAGUGAGAUG	21	2148
	GAAAGACGAUGGUAGUGAGAUG	22	6986
Subsequence			
	GAAAGACGAUGGUAGUGA	18	97



.....GAAAGACGAUGGUAGUGAG.....	19	503
.....GAAAGACGAUGGUAGUGAGA.....	20	1295
.....GAAAGACGAUGGUAGUGAGAU.....	21	6124
.....AAAGACGAUGGUAGUGAG.....	18	54
.....AAAGACGAUGGUAGUGAGA.....	19	217
.....AAAGACGAUGGUAGUGAGAU.....	20	953
.....AAGACGAUGGUAGUGAGA.....	18	20
.....AAGACGAUGGUAGUGAGAU.....	19	85
.....AGACGAUGGUAGUGAGAU.....	18	45
Others		
.....UGUGAAAGACGAUGGUAGUGA.....	21	10
.....UGUGAAAGACGAUGGUAGUGAG.....	22	40
.....UGUGAAAGACGAUGGUAGUGAGA.....	23	165
.....GUGAAAGACGAUGGUAGUGA.....	20	36
.....GUGAAAGACGAUGGUAGUGAG.....	21	36
.....GUGAAAGACGAUGGUAGUGAGA.....	22	10
.....GUGAAAGACGAUGGUAGUGAGAU.....	23	362
.....GAAAGACGAUGGUAGUGAGAUGC.....	23	16
.....AAAGACGAUGGUAGUGAGAUGC.....	22	12
.....AAGACGAUGGUAGUGAGAUGC.....	21	17
.....UCUCGCUUCCCGCCUUCCCG.....	22	10
antisense match		

#sja-mir-71b  
CCGTTTGCTGTGAAAGACTTGAGTAGTGAGACGCTTATAGCGTTGTTGTCTGCGGTTTCGGCGCTCATACTAAGTCTTCCCGGCTCACTGGC  
Total sRNA: 3652004 shared 5' end with miRNA: 451969 shared 3' end with miRNA: 22975  
miRNA

.....UGAAAGACUUGAGUAGUGAGACG.....	23	3063247
Shared 5' Terminus		
.....UGAAAGACUUGAGUAGUG.....	18	66
.....UGAAAGACUUGAGUAGUGA.....	19	1312
.....UGAAAGACUUGAGUAGUGAG.....	20	24113
.....UGAAAGACUUGAGUAGUGAGA.....	21	86355
.....UGAAAGACUUGAGUAGUGAGAC.....	22	134083
.....UGAAAGACUUGAGUAGUGAGACGC.....	24	161464
.....UGAAAGACUUGAGUAGUGAGACGCU.....	25	40777
.....UGAAAGACUUGAGUAGUGAGACGCUU.....	26	3743
.....UGAAAGACUUGAGUAGUGAGACGCUUA.....	27	47
.....UGAAAGACUUGAGUAGUGAGACGCUUAU.....	28	8
Shared 3' Terminus		
.....AGACUUGAGUAGUGAGACG.....	19	23
.....AAGACUUGAGUAGUGAGACG.....	20	429
.....AAAGACUUGAGUAGUGAGACG.....	21	12161
.....GAAAGACUUGAGUAGUGAGACG.....	22	10338
.....GUGAAAGACUUGAGUAGUGAGACG.....	24	21
Subsequence		
.....GAAAGACUUGAGUAGUGAG.....	19	183
.....GAAAGACUUGAGUAGUGAGA.....	20	99
.....GAAAGACUUGAGUAGUGAGAC.....	21	176
.....AAAGACUUGAGUAGUGAG.....	18	108
.....AAAGACUUGAGUAGUGAGA.....	19	196
.....AAAGACUUGAGUAGUGAGAC.....	20	630
.....AAGACUUGAGUAGUGAGA.....	18	5
.....AAGACUUGAGUAGUGAGAC.....	19	22
Others		
.....GUGAAAGACUUGAGUAGUGAGAC.....	23	29
.....GAAAGACUUGAGUAGUGAGACGC.....	23	613
.....GAAAGACUUGAGUAGUGAGACGCU.....	24	160
.....GAAAGACUUGAGUAGUGAGACGCUU.....	25	22
.....AAAGACUUGAGUAGUGAGACGC.....	22	22027
.....AAAGACUUGAGUAGUGAGACGCU.....	23	76622
.....AAAGACUUGAGUAGUGAGACGCUU.....	24	9304
.....AAAGACUUGAGUAGUGAGACGCUUA.....	25	99
.....AAAGACUUGAGUAGUGAGACGCUUAU.....	26	55
.....AAGACUUGAGUAGUGAGACGC.....	21	621
.....AAGACUUGAGUAGUGAGACGCU.....	22	1581
.....AAGACUUGAGUAGUGAGACGCUU.....	23	355
.....AAGACUUGAGUAGUGAGACGCUUA.....	24	8

.....AGACUUGAGUAGUGAGACGCU.....	21	8
.....AUAGCGUUGUUGUCUGCGGUUCGGCG.....	26	6
.....UAGCGUUGUUGUCUGCGGUUCGGCG.....	25	5
.....AGCGUUGUUGUCUGCGGUUCGGCG.....	24	6
.....GCGUUGUUGUCUGCGGUUCGGCG.....	23	5
.....CGCCUCAUACUAAGUCUUUCC.....	21	10
.....GCCUCAUACUAAGUCUUUCC.....	20	81
.....GCCUCAUACUAAGUCUUUCCCG.....	22	5
.....CCUCAUACUAAGUCUUUC.....	18	10
.....CCUCAUACUAAGUCUUUCC.....	19	104
.....CCUCAUACUAAGUCUUUCCCG.....	20	38
.....CCUCAUACUAAGUCUUUCCCG.....	21	479
.....CUCAUACUAAGUCUUUCC.....	18	6
.....CUCAUACUAAGUCUUUCCCG.....	20	91

antisense match

#sja-mir-750  
AAACCAGGTGTGTAGAAGTTGGAAGGCCAGATTTAGCGTACTGTCATATTTAAAATCCTTTTAATAACTTGTTCAAAATGAAAAACATACATTTTATGCAATTCACAGAACAATCATTTCGATTCAGTGAACAAGTTATTTAACTAGTGAATAGTAGGATTTTACGCCAGATCTGTCGTTCCAACTCTATAAATCTGGCCTAACAACT  
Total sRNA: 410991 shared 5' end with miRNA: 99581 shared 3' end with miRNA: 17269  
miRNA

.....CCAGAUUCUGUCUCCAAUC.....	21	281357
Shared 5' Terminus		
.....CCAGAUUCUGUCUCCAAUC.....	18	544
.....CCAGAUUCUGUCUCCAAUC.....	19	5141
.....CCAGAUUCUGUCUCCAAUC.....	20	83067
.....CCAGAUUCUGUCUCCAAUC.....	22	5124
.....CCAGAUUCUGUCUCCAAUC.....	23	5657
.....CCAGAUUCUGUCUCCAAUC.....	24	42
.....CCAGAUUCUGUCUCCAAUC.....	25	5
Shared 3' Terminus		
.....GAUCUGUCGUCCAAUC.....	18	13
.....AGAUUCUGUCUCCAAUC.....	19	645
.....CAGAUUCUGUCUCCAAUC.....	20	16594
.....GCCAGAUUCUGUCUCCAAUC.....	22	11
Subsequence		
.....CAGAUUCUGUCUCCAAUC.....	18	134
.....CAGAUUCUGUCUCCAAUC.....	19	2375
.....AGAUUCUGUCUCCAAUC.....	18	57
Others		
.....AAGUUGGAAGGCCAGAUUU.....	19	27
.....AAGUUGGAAGGCCAGAUUU.....	20	85
.....AAGUUGGAAGGCCAGAUUUAG.....	21	101
.....AAGUUGGAAGGCCAGAUUUAGC.....	22	250
.....AAGUUGGAAGGCCAGAUUUAGCG.....	23	7590
.....AAGUUGGAAGGCCAGAUUUAGCGU.....	24	260
.....AAGUUGGAAGGCCAGAUUUAGCGUA.....	25	10
.....AGUUGGAAGGCCAGAUUUAGCG.....	22	10
.....CAGAUUCUGUCUCCAAUC.....	21	483
.....CAGAUUCUGUCUCCAAUC.....	22	919
.....CAGAUUCUGUCUCCAAUC.....	23	8
.....AGAUUCUGUCUCCAAUC.....	20	48
.....AGAUUCUGUCUCCAAUC.....	21	399

antisense match

#sja-mir-7b  
CCAGAGAAACTTGAAGACTTGTGATTTAGTTGTTTAAATGTCGAAATACAAGTAAAACATTTGTCATATCTAAATGAACAACAATCACAATCTCCATGTGAAATCTGGT  
Total sRNA: 5928 shared 5' end with miRNA: 1212 shared 3' end with miRNA: 62  
miRNA

.....UGGAAGACUUGUGAUUUAGUUGUU.....	24	4493
Shared 5' Terminus		
.....UGGAAGACUUGUGAUUUUA.....	18	12
.....UGGAAGACUUGUGAUUUAG.....	19	108
.....UGGAAGACUUGUGAUUUAGU.....	20	110
.....UGGAAGACUUGUGAUUUAGUU.....	21	40
.....UGGAAGACUUGUGAUUUAGUUG.....	22	102
.....UGGAAGACUUGUGAUUUAGUUGU.....	23	824
.....UGGAAGACUUGUGAUUUAGUUGUU.....	25	15
Shared 3' Terminus		
.....GAAGACUUGUGAUUUAGUUGUU.....	22	6
.....GGAAGACUUGUGAUUUAGUUGUU.....	23	52
Subsequence		
.....GGAAGACUUGUGAUUUAGUUGUU.....	22	13
Others		
.....UAAUGUCGAAAUACAAGUAA.....	20	9
.....UAAUGUCGAAAUACAAGUAAAACAU.....	25	7
.....UAAUGUCGAAAUACAAGUAAAACAU.....	26	5
.....ACAACAAUCACAAAUCUCCAU.....	22	5
.....CAACAAUCACAAAUCUCCAU.....	20	17

.....CAACAAUCACAAAUCUCAUG.....	21	45
.....CAACAAUCACAAAUCUCAUG.....	22	9
.....AACAAUCACAAAUCUCAUG.....	20	24
.....AACAAUCACAAAUCUCAUG.....	21	8

antisense match

#sja-mir-8

ATGAGTATGGCATCTTACTAATAGTATTTGATAAAGAATTTTCTAATACTGTTAGGTAAAGATGCCAGCTCACTTC

Total sRNA: 6350 shared 5' end with miRNA: 2014 shared 3' end with miRNA: 28

.....UAAUACUGUUAGGUAAAAGAUCC.....	23	4289
Shared 5' Terminus		
.....UAAUACUGUUAGGUAAAAG.....	18	8
.....UAAUACUGUUAGGUAAAAGA.....	19	29
.....UAAUACUGUUAGGUAAAAGAU.....	20	180
.....UAAUACUGUUAGGUAAAAGAU.....	21	138
.....UAAUACUGUUAGGUAAAAGAUCC.....	22	1005
.....UAAUACUGUUAGGUAAAAGAUCC.....	24	654
Shared 3' Terminus		
.....AUACUGUUAGGUAAAAGAUCC.....	21	7
.....AAUACUGUUAGGUAAAAGAUCC.....	22	20
Subsequence		
.....AAUACUGUUAGGUAAAAGAUCC.....	21	6

Others  
antisense match

#sja-mir-new1

AATTATTTCTGATAGAGAGACACTTTTATGACGGAGACGAATATTATCTTCGAATTTTATTTTGAAGTCCATAATGTCATGGAGTTGCTCTCTATATCAGGTTAATTG

Total sRNA: 1527 shared 5' end with miRNA: 73 shared 3' end with miRNA: 4

.....GAGAGAGCACUUUUUGACGGA.....	22	1192
Shared 5' Terminus		
.....GAGAGAGCACUUUUUGACG.....	20	22
.....GAGAGAGCACUUUUUGACGG.....	21	38
.....GAGAGAGCACUUUUUGACGGAG.....	23	8
Shared 3' Terminus		
Subsequence		
Others		
.....UAGAGAGAGCACUUUUUGACG.....	22	30
.....AGAGAGAGCACUUUUUGACG.....	21	187
.....UGUCAUGGAGUUGCUCUCUAU.....	21	9
.....UGUCAUGGAGUUGCUCUCUAUA.....	22	12

antisense match

#sja-mir-new2

GTATTGGTTTAGCTAAATAGTTAGTTTACTGTCTGTTTTCAAAATCGGGAGGTGGTTACGTATGATGTAGTCTTTAGTTGGATTTAGG

Total sRNA: 21014 shared 5' end with miRNA: 3253 shared 3' end with miRNA: 1329

.....AGCUAAAUAGGUUAGUUUGACUGUC.....	25	15436
Shared 5' Terminus		
.....AGCUAAAUAGGUUAGUUUG.....	19	28
.....AGCUAAAUAGGUUAGUUUGA.....	20	70
.....AGCUAAAUAGGUUAGUUUGAC.....	21	33
.....AGCUAAAUAGGUUAGUUUGACU.....	22	103
.....AGCUAAAUAGGUUAGUUUGACUG.....	23	1318
.....AGCUAAAUAGGUUAGUUUGACUGU.....	24	1359
.....AGCUAAAUAGGUUAGUUUGACUGUC.....	26	339
Shared 3' Terminus		
.....UAGGUUAGUUUGACUGUC.....	18	342
.....AUAGGUUAGUUUGACUGUC.....	19	66
.....AAUAGGUUAGUUUGACUGUC.....	20	31
.....AAAUAGGUUAGUUUGACUGUC.....	21	379
.....UAAAUAGGUUAGUUUGACUGUC.....	22	14
.....CUAAAUAGGUUAGUUUGACUGUC.....	23	6
.....GCUAAAUAGGUUAGUUUGACUGUC.....	24	491

Subsequence

.....GCUAAAUAGGUUAGUUUGACUG.....	22	29
.....GCUAAAUAGGUUAGUUUGACUGU.....	23	36
.....AAAUAGGUUAGUUUGACU.....	18	6
.....AAAUAGGUUAGUUUGACUG.....	19	15
.....AAAUAGGUUAGUUUGACUGU.....	20	7
.....AUAGGUUAGUUUGACUGU.....	18	5
Others		
.....AAAUAGGUUAGUUUGACUGUCU.....	22	7
.....AAAUAGGUUAGUUUGACUGUCUGUUU.....	26	5
.....AUAGGUUAGUUUGACUGUCU.....	20	5
.....AUAGGUUAGUUUGACUGUCUGUU.....	23	7
.....AUAGGUUAGUUUGACUGUCUGUUU.....	24	7
.....CGGGAGGUGGUUACGUAUG.....	19	11
.....CGGGAGGUGGUUACGUAUGAUGUA.....	24	14
.....GGGAGGUGGUUACGUAUGAU.....	20	13
.....AGGUGGUUACGUAUGAUGUA.....	20	9
.....GGUACGUAUGAUGUAGU.....	18	131
.....GGUACGUAUGAUGUAGUC.....	19	53
.....GGUACGUAUGAUGUAGUCU.....	20	285
.....GGUACGUAUGAUGUAGUCUU.....	21	111
.....GGUACGUAUGAUGUAGUCUUU.....	22	43
.....GGUACGUAUGAUGUAGUCUUUA.....	23	34
.....GGUACGUAUGAUGUAGUCUUUAG.....	24	7
.....GGUACGUAUGAUGUAGUCUUUAGUUG.....	27	16
.....AUGAUGUAGUCUUUAGUU.....	18	5
antisense match		