

Results for 1: 652,094,1-6,521,124 (+)

miRBase name: ath-MIR837

Chromosome: 1

Position: 652,094,1-6,521,124 (184 nt)

Strand: +

G+C: 22.83 %

miRNA sequence: AUCAGUUUCUUGUUCGUUUCA

miRNA precursor:

= UUUUUGAUAAAACUUUUGUUUGCUUACAAGUAUAAAGUCAUCAU-
GUUUUUUUCACAGU ((((((((((((.(((((((((((((((((((((.(((((((((((((((((
UUCUUGUUCGUUUCAAAAUUAUGAUUUUUGUUUACUUCACUCAUAAUCUUGAAACGAAC
((.(((((((((((((.((((((...((.....)).)))))).))))))))))
AAAAAACUGAUGGAAAAACAUGAGGACUUUAUACUUGUAAAUAAAUAAAAUAUUUAUUA
)).)))))))))))))))))).)))))))))))))).)))))))))).))))))
GAAA))) = This stem-loop structure is the MFE structure.

Stability of the secondary structure of the precursor: *MFE*
-85.20 kcal/mol | *AMFE* -46.30 | *MFEI* -2.03

Total number of reads mapped to the precursor: 108

Results for 1: 669,542,0-6,695,609 (-)

miRBase name: ath-MIR169h

Chromosome: 1

Position: 669,542,0-6,695,609 (190 nt)

Strand: -

G+C: 39.47 %

miRNA sequence: UAGCCAAGGAUGACUUGCCUG

miRNA precursor:

= UCAUAUAAGAGAAAAUGGUGACAUGAAGAAUGAGAACUUGUGUG-
GUAGCCAAGGAUGACU .(((...(((((((...(((.((((((((((((((((.((((.((((((((((((((((.((((
UGCCUGCGUUUUAGACCAUAUAUAUCAAGACUCACUCGAUCGAUAGUCUUAGAGUUGGU
..((((((.....((((((..((..(((((((...((....)).)))))).))..)).
UGGUCGUCAGGCAGUCUCCUUGGCUAUUCAACAAUUCUCAUUCUCUUCUUCUUCACAUUUC
))))..))))))))))))))))..))))))))..))))))))..))))
UCUUUUUUGG))))...)). = This stem-loop structure is the MFE structure.

Stability of the secondary structure of the precursor: *MFE* -79.00 kcal/mol | *AMFE* -41.58 | *MFEI* -1.05

Total number of reads mapped to the precursor: 389

Results for 4: 3,698,31-,370,012 (-)

miRBase name: ath-MIR165b

Chromosome: 4

Position: 3,698,31-,370,012 (182 nt)

Strand: -

G+C: 37.91 %

miRNA sequence: UCGGACCAGGCUUCAUCCCC

miRNA precursor:

[illegible]

CA .. = This stem-loop structure is the MFE structure.

Stability of the secondary structure of the precursor: *MFE* -66.50 kcal/mol | *AMFE* -36.54 | *MFEI* -0.96

Total number of reads mapped to the precursor: 223338

Results for 4: 102,391,2-1,024,149 (+)

miRBase name: ath-MIR5635d

Chromosome: 4

Position: 102,391,2-1,024,149 (238 nt)

Strand: +

G+C: 39.08 %

miRNA sequence: UGUUAAGGAGUGUUAACGGUG

miRNA precursor:

[illegible]

Stability of the secondary structure of the precursor: *MFE* -135.40 kcal/mol | *AMFE* -56.89 | *MFEI* -1.46

Total number of reads mapped to the precursor: 294

Results for 4: 104,680,4-1,046,983 (-)

miRBase name: ath-MIR2936

Chromosome: 4

Position: 104,680,4-1,046,983 (180 nt)

Strand: -

G+C: 41.11 %

miRNA sequence: CUUGAGAGAGAGAACACAGACG

miRNA precursor:

= CCAUUUUCGAAAGCCUUGAGAGAGAGAACAACAGACGAUACCAACU-
UUCUCAAUCUCGUU ((((((((((...(((((((((((((((...(((...(((
GCCGCAGUAUAAUUAUCUCAUUCUCGGAUAUAUCUCUCCUUCUGCGGCGGCGACAAGAA
(((((((...(((...))))))))))...)))
GCUACAAGAAUAAAAAGUCUGUUUUCUCUCUUUUAAGAAACCACUACUUCGAAAAUGG
)...))...))))))...))))))...))))))
= This stem-loop structure is the MFE structure.

Stability of the secondary structure of the precursor: *MFE* -60.40 kcal/mol | *AMFE* -33.56 | *MFEI* -0.82

Total number of reads mapped to the precursor: 5