

Sequence elements surrounding selected miRNAs: target site duplications (TSDs), poly(A) tails and snoRNAs.

Shown below are the genomic regions surrounding 20 of the miRNAs predicted to be encoded in H/ACA snoRNAs. Apart from the sequence of miRNA hairpin, features considered include target site duplications (TSDs), poly(A) tails, L1 consensus recognition sites and the predicted snoRNA.

Legend:

bold: TSDs

double underline: L1 consensus recognition site

wavy underline: poly(A)

single underlined: miRNA

uppercase italics: predicted snoRNA

boxed: ACA box

shaded box: H box

black background: second TSD

>mir-1291

tgaaattgttctcattg tagaaggaccagtaaagtaatgtgatttgagttctgtccgtgagccttgggtagaattccagtGGCCCTG
ACTGAAGACCAGCAGTTGTACTGTGGCTGTTGGTTTCAAGCAGAGGCCTAAAGGACTGTCTT
CCTGTGGTCTGTTGGCTGTTCTGGGACCTCAGTAGGGAATGGCTATTTCAATTTGGAAGAAAC
AACCTacagctcaccatcccattggaagggtcaggaataggctctccaagggaactaggaatggaagagcatctgt
ccagaattaatttctgttattgttcttattgctag

>mir-664

ataaaaatgctgcaaaatTCCAAAGTGTTAAGTTTCAGTTTCAGGGTAGCTTCCCTGCTCTGTTAATTAA
ACTTTGGAACATTGAAACTGGCTAGGGAAAATGATTGGATAGAACTATTATTCTATTCATTT
ATCCCCAGCCTACAAAAtgaaaaaaggtacaata

>mir-548d-1

ACATTGTTTTAAGCAGTTAAAATAAATACTACATTTATTTCAAATATGAAACAAGTTATATTAG
GTTGGTGCAAAAGTAATTGTGGTTTTTGCCTGTAAAAGTAATGGCAAAACCACAGTTTCTTT
TGCACCAGACTAataaaagaaatacaaggttatattgttctatctctattgttggcattttctctcatgaagcttggtataaataga
gatatgtgacaaattggccatcaggggcagagtagataataataattgtacaaaatacaatattattatatcataataagataatagct
attcttactgaccattttgtagtcatcctttaagcattttacata

>mir-151

tccaaaGCTCTTTGTTCTTCTTGTCAGGCTTACCCTATGCTGCTATAGATGGCTGCAACCCGTG
TTCAATTCAGTTTCGATAAACACTGTTGAGCACCTACAGTAGCTGAGCCTGGTGCTAGTCACT
GGGGCAAAGATGACTAAACACTTTTCTGCCCCTCGAGGAGCTCACAGTCTAGTATGTCTCA
TCCCCTACTAGACTGAAGCTCCTTGAGGACAGGGatggtcatactcacctcgggtgtgcccacacctcaggcc
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>mir-548d-2

ataaatgtatcataattagtagcatattaacattgggggaaggtggatgaagactacggggggttctctGGATTGCAACTCTT
CTGTAAATCTAAAGTTAACTTTAGGGGGTATATGATGTCAACCTGATTTAGCTAAAGTTAACTT
TAGATTTACAGAATAATTGCAAATCCAGAGAGAGGGAAGATTTAGGTTGGTGCAAAAGTAATT
GTGGTTTTTGGCATTGAAAGTAATGGCAAAACCACAGTTTCTTTTGCACCAACCTAATAAAA
TAAaaagttaaaaggaaaaaaatctctca

>mir-215

taacaatacaaa ctgatgtgttttgttgcgttccccctgcttaaagcacttgatgcataactgtctaccttcattccgtagtaagac
agagacgccttggtcctcagacattttccttgggtattaatgtgaagttgtgctacaacataattttctcttttaaggttggtgtgctttctgccaca
atgccaaactgatgtgttggaagtgacaaaaaattcatgagagatccaattcgaattctggtgaaaaaggaagaattgacccttgaagg
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TAAAAATTGCAGACACTAGGACCATGTCTTGTTTTGCAATAATGCTAGCAGAGTACACACAA
GAAGAAAAGTAACAGCACTAGATTGTAAAGACTGGGGTGGACCTCTTTCTTAATGTCCAATG
TCCTTTGTCTTAAGATTGGTGCAATATCTcattagacctaacagaatgaagtaattttataatttctacgttttgagac
tgggttatgagactggcctaagactggccaattttgggtattttgggttagagacagtttcactttctgaaaccctggctggttgaactctgggc

>mir-605

>mir-520a

>mir-616

tc**cattcattcttaacaaat**actaatgatgaggacctactgtgtgccacacagtttggggctcagggtacatccttgagcaagaggaaaaaa
tcatctcagtgaggcctacagtaacaaaaataagtccacggagaaagctaaagcagagaaaggaatggagaatgttcagga
tggaggtcagagtgttacatcaggtgttcaggaattaccttaggttaattcctcca**CTCAAAACCCTTCAGTGACTTCCAT**
GACATGAAATAGGAAGTCATTGGAGGGTTTGAGCAGAGGAATGACCTGTTTTAAAGGCTCA
CTCAGGCTGCTGTATGGTGAATAGAGTTGCGGAGGGGTGGCAAGAGAAgaaatgggaagaccttct
gcagtcagaaagtttctgcagtaatttagagatggtagtgaattgatctagattggaacaatggaattagaagtgttagattctctaagc
aaaggttttaaaa**aactcatttttaagaat**