

mmu-let-7a-1 *Mus musculus* let-7a-1 precursor RNA

>gi|34874105|ref|NW_047490.1|Rn17_2012 *Rattus norvegicus* chromosome 17 WGS supercontig

Mouse: 1 ttcactgtgggatgaggtagtaggttgatagtttaggtcacaccaccactgggaga 60
|||
Rat: 3523419 ttcactgtgggatgaggtagtaggttgatagtttaggtcacaccaccactgggaga 3523478
|||
Mouse: 61 taactatacaatctactgtctttcctaaggtgat 94
|||
Rat: 3523479 taactatacaatctactgtctttcctaaggtgat 3523512
|||

mmu-let-7a-2 *Mus musculus* let-7a-2 precursor RNA

>gi|34865068|ref|NW_047799.1|Rn8_2323 *Rattus norvegicus* chromosome 8 WGS supercontig

Mouse: 3 gcatgttcccagggttaggttaggttgatagtttagagttacatcaaggagataac 62
|||
Rat: 14144995 gcatgttcccagggttaggttaggttgatagtttagagttacaacaaggagataac 14145054
|||
Mouse: 63 tgtacagcctcctagctttccttgggacttgac 96
|||
Rat: 14145055 tgtacagcctcctagctttccttgggacttgac 14145088
|||

mmu-let-7b *Mus musculus* let-7b precursor RNA

>gi|34934010|ref|NW_047783.1|Rn7_2307 *Rattus norvegicus* chromosome 7 WGS supercontig

Mouse: 4 gggtaggttaggttggtgtggtttcagggcagtgatggtgcccctccgaagataacta 63
|||
Rat: 1610759 gggtaggttaggttggtgtggtttcagggcagtgatggtgcccctccgaagataacta 1610818
|||
Mouse: 64 tacaacctactgccttcctga 85
|||
Rat: 1610819 tacaacctactgccttcctga 1610840
|||

mmu-let-7c-1 *Mus musculus* let-7c-1 precursor RNA

>gi|34933964|ref|NW_047354.1|Rn11_1874 *Rattus norvegicus* chromosome 11 WGS supercontig

Mouse: 1 tgtgtgcatccgggttaggttaggttgatggttagagttacaccctgggaggttaa 60
|||
Rat: 16398264 tgtgtgcatccgggttaggttaggttgatggttagagttacaccctgggaggttaa 16398323
|||
Mouse: 61 ctgtacaaccttctagctttccttgggagcacact 94
|||
Rat: 16398324 ctgtacaaccttctagctttccttgggagcacact 16398357
|||

mmu-let-7c-2 *Mus musculus* let-7c-2 precursor RNA

>gi|34934010|ref|NW_047783.1|Rn7_2307 *Rattus norvegicus* chromosome 7 WGS supercontig

Mouse: 1 acggccttggggtgaggttaggttgatggtttgggctctgccccgctctgcggtta 60
|||
Rat: 1610341 acggccttggggtgaggttaggttgatggtttgggctctgccccgctctgcggtta 1610400
|||
Mouse: 61 actatacaatctactgtctttcctgaagtggccgc 95
|||
Rat: 1610401 actatacaatctactgtctttcctgaagtggccgc 1610435
|||

mmu-let-7e *Mus musculus* let-7e precursor RNA

>gi|34854887|ref|NW_047555.1|Rn1_2077 *Rattus norvegicus* chromosome 1 WGS supercontig

Mouse: 1 cgcgcccccggtgaggttaggttgatagttgaggaagacaccgaggagatcac 60
|||
Rat: 1805450 cgcgcccccggtgaggttaggttgatagttgaggaagacaccgaggagatcac 1805509
|||
Mouse: 61 tatacggcctcctagctttccccaggctgcgcc 93
|||

Rat: 1805510 tatacggcctcctagctttccccaggctgcgcc 1805542

hsa-let-7i Homo sapiens let-7i precursor RNA

>gi|34865737|ref|NW_047776.1|Rn7_2300 *Rattus norvegicus* chromosome 7 WGS
supercontig

Mouse: 1 ctggctgaggtagtagtttgctgttggtcgggttgacattgcccgtgtggagata 60
|||
Rat: 3609065 ctggctgaggtagtagtttgctgttggtcgggttgacattgcccgtgtggagata 3609006
|||
Mouse: 61 actgcgcaagctactgccttgcta 84
|||
Rat: 3609005 actgcgcaagctactgccttgcta 3608982
|||

mmu-mir-7-1 Mus musculus miR-7-1 precursor RNA

>gi|34873863|ref|NW_047487.1|Rn17_2009 *Rattus norvegicus* chromosome 17 WGS
supercontig

Mouse: 1 ttggatgttgccctagttctgtggaagactagtgatgatttgggttttagataactaa 60
|||
Rat: 6715460 ttggatgttgccctagttctgtggaagactagtgatgatttgggttttagataactaa 6715519
|||
Mouse: 61 aacgacaacaaatcacagtctgccatattggcacaggccacctctacag 108
|||
Rat: 6715520 aacgacaacaaatcacagtctgccatattggcacaggccacctctacag 6715567
|||

mmu-mir-7-2 Mus musculus miR-7-2 precursor RNA

>gi|34857743|ref|NW_047560.1|Rn1_2082 *Rattus norvegicus* chromosome 1 WGS
supercontig

Mouse: 8 ccagccccgttgggaagactagtgatgatttgggtgtgtctctgtatccaacaacaagtc 67
|||
Rat: 14956730 ccagccctgtctggaagactagtgatgatttgggtgtgtctctgtgt--ccaacaacaagtc 14956787
|||
Mouse: 68 ccagtctgccacatggtgctgggtca 92
|||
Rat: 14956788 ccagtctgccacatggtgctgggtca 14956810
|||

mmu-mir-9-1 Mus musculus miR-9-1 precursor RNA

>gi|34858271|ref|NW_047626.1|Rn2_2148 *Rattus norvegicus* chromosome 2 WGS
supercontig

Mouse: 1 cggggttggttattctttggttattctagctgtatgagtggtgtggagtcttcataaag 60
|||
Rat: 6714042 cggggttggttattctttggttattctagctgtatgagtggtgtggagtcttcataaag 6714101
|||
Mouse: 61 ctagataaccgaaagtaaaaataacccca 89
|||
Rat: 6714102 ctagataaccgaaagtaaaaataacccca 6714130
|||

mmu-mir-9-3 Mus musculus miR-9-3 precursor RNA

>gi|34857743|ref|NW_047560.1|Rn1_2082 *Rattus norvegicus* chromosome 1 WGS
supercontig

Mouse: 1 ggaggcccgttctctctttggttattctagctgtatgagtgccacagagccgtcataaag 60
|||
Rat: 15603655 ggaggcccgttctctctttggttattctagctgtatgagtgccacagagccgtcataaag 15603714
|||
Mouse: 61 ctagataaccgaaagtagaaatgactct 88
|||
Rat: 15603715 ctagataaccgaaagtagaaatgactct 15603742
|||

mmu-mir-9-2 Mus musculus miR-9-2 precursor RNA

>gi|34853324|ref|NW_047616.1|Rn2_2138 *Rattus norvegicus* chromosome 2 WGS
supercontig

Mouse: 1 gttgttattctttggttattctagctgtatgagtgattggtcttcataaagctagataacc 60
|||
Rat: 6903262 gttgttattctttggttattctagctgtatgagtgattggtcttcataaagctagataacc 6903203
|||

Mouse: 61 gaaagtaaaaac 72
|||||
Rat: 6903202 gaaagtaaaaac 6903191

mmu-mir-16-2 Mus musculus miR-16-2 precursor RNA

>gi|34857808|ref|NW_047625.1|Rn2_2147 *Rattus norvegicus* chromosome 2 WGS
supercontig

Mouse: 5 ctgttccactctagcagcagcgtaaatattggcgtagtgaataaatattaaacaccaat 64
|||||
Rat: 45354558 ctgttccgctctagcagcagcgtaaatattggcgtagtgaataaatattaaacaccaat 45354617
Mouse: 65 attattgtgctgctttagtgtgacagggata 95
|||||
Rat: 45354618 attattgtgctgctttagtgtgacagggata 45354648

mmu-mir-24-1 Mus musculus miR-24-1 precursor RNA

>gi|34873863|ref|NW_047487.1|Rn17_2009 *Rattus norvegicus* chromosome 17 WGS
supercontig

Mouse: 1 ctccgggtgcctactgagctgatatcagttctcatttcacacactggctcagttcagcagg 60
|||||
Rat: 1862421 ctccgggtgcctactgagctgatatcagttctcatttcacacactggctcagttcagcagg 1862362
Mouse: 61 aacaggag 68
|||||
Rat: 1862361 aacaggag 1862354

mmu-mir-24-2 Mus musculus miR-24-2 precursor RNA

>gi|34851559|ref|NW_047534.1|Rn19_2056 *Rattus norvegicus* chromosome 19 WGS
supercontig

Mouse: 1 gcctctctccgggctccgcctcccgctgcctactgagctgaaacagttgattccagtgac 60
|||||
Rat: 10919959 gcctctccctgggctccgcctcctgtgcctactgagctgaaacagttgattccagtgac 10919900
Mouse: 61 tggctcagttcagcaggaacaggagtccagcccc-tagtagctggca 107
|||||
Rat: 10919899 tggctcagttcagcaggaacaggagtccagccccataggagctggca 10919852

mmu-mir-26b Mus musculus miR-26b precursor RNA

>gi|34877332|ref|NW_047816.1|Rn9_2340 *Rattus norvegicus* chromosome 9 WGS
supercontig

Mouse: 1 tgccccgggaccagttcaagtaattcaggataggttgtggtgctgaccagcctgttctcc 60
|||||
Rat: 17163277 tgccccgggaccagttcaagtaattcaggataggttgtggtgctgaccagcctgttctcc 17163336
Mouse: 61 attacttggtcgggggcccgggtgcc 85
|||||
Rat: 17163337 attacttggtcgggggcccgggtgcc 17163361

mmu-mir-28 Mus musculus miR-28 precursor RNA

>gi|34869631|ref|NW_047356.1|Rn11_1876 *Rattus norvegicus* chromosome 11 WGS
supercontig

Mouse: 1 ggtccctacctcaaggagctcacagtctattgagttgcctttctgattctcccactaga 60
|||||
Rat: 31535044 ggtccctaccgcaaggagctcacagtctattgagttgcctttctgattctcccactaga 31534985
Mouse: 61 ttgtgagctgctggagggcaggcact 86
|||||
Rat: 31534984 ttgtgagctcctggagggcaggcact 31534959

mmu-mir-29a Mus musculus miR-29a precursor RNA

>gi|34855362|ref|NW_047689.1|Rn4_2212 *Rattus norvegicus* chromosome 4 WGS
supercontig

Mouse: 1 accccttagaggatgactgatttcttttggtgttcagagtcaatagaattttctagacc 60

```
|||||
Rat: 28825083 accccttagaggatgactgatttcttttgggtgttcagagtcaatagaatttttctagcacc 28825024
Mouse: 61 atctgaaatcggttataatgattgggga 88
|||||
Rat: 28825023 atctgaaatcggttataatgattgggga 28824996
```

mmu-mir-29c Mus musculus miR-29c precursor RNA

```
>gi|34881453|ref|NW_047404.1|Rn13_1926 Rattus norvegicus chromosome 13 WGS
supercontig
Mouse: 1 atctcttacacaggctgaccgatttctcctgggtgttcagagtctgttttctagcacc 60
|||||
Rat: 2146548 atctcttacacaggctgaccgatttctcctgggtgttcagagtctgttttctagcacc 2146607
Mouse: 61 atttgaatcggttatgatgtaggggga 88
|||||
Rat: 2146608 atttgaatcggttatgatgtaggggga 2146635
```

mmu-mir-29b-1 Mus musculus miR-29b-1 precursor RNA

```
>gi|34855362|ref|NW_047689.1|Rn4_2212 Rattus norvegicus chromosome 4 WGS
supercontig
Mouse: 1 aggaagctggtttcatatggtgggttagattttaaatagtgattgtctagcaccattttaa 60
|||||
Rat: 28825451 aggaagctggtttcatatggtgggttagattttaaatagtgattgtctagcaccattttaa 28825392
Mouse: 61 atcagtgttct 71
|||||
Rat: 28825391 atcagtgttct 28825381
```

mmu-mir-29b-2 Mus musculus miR-29b-2 precursor RNA

```
>gi|34881453|ref|NW_047404.1|Rn13_1926 Rattus norvegicus chromosome 13 WGS
supercontig
Mouse: 1 cttctggaagctggtttcacatggtggccttagattttccatctttgtatctagcaccat 60
|||||
Rat: 2146020 cttctggaagctggtttcacatggtggccttagattttccatctttgtatctagcaccat 2146079
Mouse: 61 ttgaaatcagtgttttaggag 81
|||||
Rat: 2146080 ttgaaatcagtgttttaggag 2146100
```

mmu-mir-30b Mus musculus miR-30b precursor RNA

```
>gi|34867094|ref|NW_047780.1|Rn7_2304 Rattus norvegicus chromosome 7 WGS
supercontig
Mouse: 1 atgtaaacatcctacactcagctgtcatacatgcgttggtggatgtggatgtttacgt 60
|||||
Rat: 418464 atgtaaacatcctacactcagctgtcatacatgagttggctggatgtggatgtttacgt 418405
```

mmu-mir-30c-1 Mus musculus miR-30c-1 precursor RNA

```
>gi|34871316|ref|NW_047719.1|Rn5_2243 Rattus norvegicus chromosome 5 WGS
supercontig
Mouse: 1 accatgtttagtggtgtgtaaacatcctacactctcagctgtgagctcaagggtggctggg 60
|||||
Rat: 2519905 accatgtttagtggtgtgtaaacatcctacactctcagctgtgagctcaagggtggctggg 2519846
Mouse: 61 agagggttgtttactccttctgcatgga 89
|||||
Rat: 2519845 agagggttgtttactccttctgcatgga 2519817
```

mmu-mir-30c-2 Mus musculus miR-30c-2 precursor RNA

```
>gi|34875263|ref|NW_047813.1|Rn9_2337 Rattus norvegicus chromosome 9 WGS
supercontig
Mouse: 1 gagtgcagatattgtaaacatcctacactctcagctgtgaaaagtaagaagctgggag 60
|||||
```

Rat: 22164044 gagtgacagatactgtaaacatcctacactctcagctgtgaaaagtaagaaagctgggag 22164103
Mouse: 61 aaggctgtttactctctctgcctt 84
|||||
Rat: 22164104 aaggctgtttactctctctgcctt 22164127

mmu-mir-92-2 *Mus musculus* miR-92-2 precursor RNA

>gi|34881658|ref|NW_048049.1|RnX_2574 *Rattus norvegicus* chromosome X WGS
supercontig

Mouse: 1 tgccattcatccacaggtgggattggtggcattacttgtgtagatataaagtattgc 60
|||||
Rat: 2017453 tgccattcatccacaggtgggattagtgccattacttgtgtagataaaaagtattgc 2017394
Mouse: 61 acttgtcccggcctgaggaagaaa 84
|||||
Rat: 2017393 acttgtcccggcctgaggaagaaa 2017370

mmu-mir-93 *Mus musculus* miR-93 precursor RNA

>gi|34871632|ref|NW_047369.1|Rn12_1890 *Rattus norvegicus* chromosome 12 WGS
supercontig

Mouse: 1 agtcatgggggctccaaagtgctgttcgtgcaggtagtgtaattacctgacctactgctg 60
|||||
Rat: 5549656 agtcatgggggctccaaagtgctgttcgtgcaggtagtgca-ttgacctgacctactgctg 5549598
Mouse: 61 agctagcacttcccagagccccaggaca 88
|||||
Rat: 5549597 agctagcacttcccagagccccaggaca 5549570

mmu-mir-99a *Mus musculus* miR-99a precursor RNA

>gi|34933964|ref|NW_047354.1|Rn11_1874 *Rattus norvegicus* chromosome 11 WGS
supercontig

Mouse: 1 cataaaccgtagatccgatccttggtggaagtggaccgcaagctcgtttctatgggt 60
|||||
Rat: 16397552 cataaaccgtagatccgatccttggtggaagtggaccgacacaagctcgtttctatgggt 16397611
Mouse: 61 ctgtg 65
|||||
Rat: 16397612 ctgtg 16397616

mmu-mir-99b *Mus musculus* miR-99b precursor RNA

>gi|34854887|ref|NW_047555.1|Rn1_2077 *Rattus norvegicus* chromosome 1 WGS
supercontig

Mouse: 1 ggcaccaccgtagaaccgaccttgctggggccttcgcccacacaagctcgtgtctgtg 60
|||||
Rat: 1805285 ggcaccaccgtagaaccgaccttgctggggccttcgcccacacaagctcgtgtctgtg 1805344
Mouse: 61 ggtccgtgtc 70
|||||
Rat: 1805345 ggtccgtgtc 1805354

mmu-mir-103-1 *Mus musculus* miR-103-1 precursor RNA

>gi|34872015|ref|NW_047334.1|Rn10_1854 *Rattus norvegicus* chromosome 10 WGS
supercontig

Mouse: 1 ttcttactgcctcggcttctttacagtgtgccttgttgcataatggatcaagcagcatt 60
|||||
Rat: 7519813 ttcttactgcctcggcttctttacagtgtgccttgttgcataatggatcaagcagcatt 7519872
Mouse: 61 gtacaggctatgaaggcattgagac 86
|||||
Rat: 7519873 gtacaggctatgaaggcattgagac 7519898

mmu-mir-103-2 *Mus musculus* miR-103-2 precursor RNA

>gi|34859757|ref|NW_047658.1|Rn3_2180 *Rattus norvegicus* chromosome 3 WGS
supercontig

Mouse: 1 gtcttcgtgctttcagcttctttacagtgccttgtagcattcagggtcaagcagcatt 60
|||
Rat: 9173953 gtcttcgtgctttcagcttctttacagtgccttgtagcattcagggtcaagcagcatt 9174012
|||
Mouse: 61 gtacagggctatgaaagaaccaagaa 86
|||
Rat: 9174013 gtacagggctatgaaagaaccaagaa 9174038
|||

mmu-mir-124a-1 *Mus musculus* miR-124a-1 precursor RNA

>gi|34875912|ref|NW_047454.1|Rn15_1976 *Rattus norvegicus* chromosome 15 WGS
supercontig

Mouse: 1 aggcctctctctccgtgttcacagcggaccttgatttaaatgtccatacaattaaggcac 60
|||
Rat: 15806503 aggcctctctctccgtgttcacagcggaccttgatttaaatgtccatacaattaaggcac 15806562
|||
Mouse: 61 gcggtgaatgccaagaatggggctg 85
|||
Rat: 15806563 gcggtgaatgccaagaatggggctg 15806587
|||

mmu-mir-124a-2 *Mus musculus* miR-124a-2 precursor RNA

>gi|34855621|ref|NW_047624.1|Rn2_2146 *Rattus norvegicus* chromosome 2 WGS
supercontig

Mouse: 1 atcaagatcagagactctgctctccgtgttcacagcggaccttgatttaaatgtccataca 60
|||
Rat: 7685115 atcaagatcagagactctgctctccgtgttcacagcggaccttgatttaaatgtccataca 7685174
|||
Mouse: 61 ttaaggcacgcggtgaatgccaagagcggagcctacggctgcactttaa 109
|||
Rat: 7685175 ttaaggcacgcggtgaatgccaagagcggagcctacggctgcactttaa 7685223
|||

mmu-mir-124a-3 *Mus musculus* miR-124a-3 precursor RNA

>gi|34861141|ref|NW_047667.1|Rn3_2189 *Rattus norvegicus* chromosome 3 WGS
supercontig

Mouse: 1 ctctgcgtgttcacagcggaccttgatttaaatgtctatacaattaaggcacgcggtgaat 60
|||
Rat: 505484 ctctgcgtgttcacagcggaccttgatttaaatgtctatacaattaaggcacgcggtgaat 505543
|||
Mouse: 61 gccaagag 68
|||
Rat: 505544 gccaagag 505551
|||

mmu-mir-125a *Mus musculus* miR-125a precursor RNA

>gi|34854887|ref|NW_047555.1|Rn1_2077 *Rattus norvegicus* chromosome 1 WGS
supercontig

Mouse: 1 ctgggtccctgagaccctttaacctgtgaggacgtccagggtcacagggtgaggttcttg 60
|||
Rat: 1805905 ctgggtccctgagaccctttaacctgtgaggacgtccagggtcacagggtgaggttcttg 1805964
|||
Mouse: 61 gagcctgg 68
|||
Rat: 1805965 gagcctgg 1805972
|||

mmu-mir-125b-2 *Mus musculus* miR-125b-2 precursor RNA

>gi|34933964|ref|NW_047354.1|Rn11_1874 *Rattus norvegicus* chromosome 11 WGS
supercontig

Mouse: 2 cctagtccctgagaccctaactgtgaggatattttagtaacatcacaagtcagggttcttg 61
|||
Rat: 16443677 cctagtccctgagaccctaactgtgaggatattttagtaacatcacaagtcagggttcttg 16443736
|||
Mouse: 62 ggacctaggc 71
|||
Rat: 16443737 ggacctaggc 16443746
|||

mmu-mir-125b-1 *Mus musculus* miR-125b-1 precursor RNA

Mouse: 1 tgcgctcccctcagtcacctgagaccctaacttgtgatgttaccgtttaaatccacgggt 60
 |||||
Rat: 14189379 tgcgctcccctcagtcacctgagaccctaacttgtgatgttaccgtttaaatccacgggt 14189438
 |||||
Mouse: 61 taggctcttgggagctg 77
 |||||
Rat: 14189439 taggctcttgggagctg 14189455
 |||||

mmu-mir-127 *Mus musculus* miR-127 precursor RNA

>gi|34935858|ref|NW_047762.1|Rn6_2286 *Rattus norvegicus* chromosome 6 WGS
supercontig

Mouse: 1 ccagcctgctgaagctcagagggctctgattcagaaagatcatcggatccgtctgagctt 60
 |||||
Rat: 29527445 ccagcctgctgaagctcagagggctctgattcagaaagatcatcggatccgtctgagctt 29527504
 |||||
Mouse: 61 ggctggtcgg 70
 |||||
Rat: 29527505 ggctggtcgg 29527514
 |||||

mmu-mir-128a *Mus musculus* miR-128a precursor RNA

>gi|34933508|ref|NW_047394.1|Rn13_1916 *Rattus norvegicus* chromosome 13 WGS
supercontig

Mouse: 1 gttggattcggggccgtagcactgtctgagaggtttacatttctcacagtgaaccggctt 60
 |||||
Rat: 1019804 gttggattcggggccgtagcactgtctgagaggtttacatttctcacagtgaaccggctt 1019863
 |||||
Mouse: 61 ctttttcagc 70
 |||||
Rat: 1019864 ctttttcagc 1019873
 |||||

mmu-mir-128b *Mus musculus* miR-128b precursor RNA

>gi|34866469|ref|NW_047802.1|Rn8_2326 *Rattus norvegicus* chromosome 8 WGS
supercontig

Mouse: 1 cagtgggaagggggccgatgcactgtaagagagttagtagcaggtctcacagtgaaccg 60
 |||||
Rat: 3171003 cagtgggaagggggccgatgcactgtaagagagttagtagcaggtctcacagtgaaccg 3170944
 |||||
Mouse: 61 gtctctttccctactg 76
 |||||
Rat: 3170943 gtctctttccctactg 3170928
 |||||

mmu-mir-130a *Mus musculus* miR-130a precursor RNA

>gi|34857850|ref|NW_047657.1|Rn3_2179 *Rattus norvegicus* chromosome 3 WGS
supercontig

Mouse: 1 gagctcttttcacattgtgctactgtcta-acgtgtaccgagcagtgcaatgttaaagg 59
 |||||
Rat: 9350850 gagctcttttcacattgtgctactgtctacacgtgtaccgagcagtgcaatgttaaagg 9350791
 |||||
Mouse: 60 gcatc 64
 |||||
Rat: 9350790 gcatc 9350786
 |||||

mmu-mir-132 *Mus musculus* miR-132 precursor RNA

>gi|34873416|ref|NW_047336.1|Rn10_1856 *Rattus norvegicus* chromosome 10 WGS
supercontig

Mouse: 1 gggcaaccgtggctttcgattgttactgtgggaaccggaggtaacagtctacagccatgg 60
 |||||
Rat: 3479949 gggcaaccgtggctttcgattgttactgtgggaaccggaggtaacagtctacagccatgg 3480008
 |||||
Mouse: 61 tcgccc 66
 |||||
Rat: 3480009 tcgccc 3480014
 |||||

mmu-mir-136 *Mus musculus* miR-136 precursor RNA

>gi|34935858|ref|NW_047762.1|Rn6_2286 *Rattus norvegicus* chromosome 6 WGS
supercontig

Mouse: 1 gaggactccatttgttttgatgatggattcttaagctccatcatcgtctcaaatgagtct 60
|||||
Rat: 29530106 gaggactccatttgttttgatgatggattcttaagctccatcatcgtctcaaatgagtct 29530165
Mouse: 61 tc 62
||
Rat: 29530166 tc 29530167

mmu-mir-138-1 *Mus musculus* miR-138-1 precursor RNA

>gi|34866724|ref|NW_047804.1|Rn8_2328 *Rattus norvegicus* chromosome 8 WGS
supercontig

Mouse: 1 ctctagcatggtgttgggacagctggtgttgaatcaggccgttgccaatcagagaa 60
|||||
Rat: 156597 ctctggcatggtgttgggacagctggtgttgaatcaggccgttgccaatcagagaa 156656
Mouse: 61 cggctacttcacaacaccagggccacactgcactgca 97
|||||
Rat: 156657 cggctacttcacaacaccaggggtctcactgcactgca 156693

mmu-mir-138-2 *Mus musculus* miR-138-2 precursor RNA

>gi|34851309|ref|NW_047531.1|Rn19_2053 *Rattus norvegicus* chromosome 19 WGS
supercontig

Mouse: 1 cagctgggtgttgaatcaggccgacgagcagcgcacatcctcttaccggctatttcacga 60
|||||
Rat: 11119560 cagctgggtgttgaatcaggccgacgagcaacgcacatcctcttaccggctatttcacga 11119501
Mouse: 61 caccagggttg 71
|||||
Rat: 11119500 caccagggttg 11119490

mmu-mir-139 *Mus musculus* miR-139 precursor RNA

>gi|34860310|ref|NW_047562.1|Rn1_2084 *Rattus norvegicus* chromosome 1 WGS
supercontig

Mouse: 1 gtgtattctacagtgcacgtgtctccagtgtggctcggaggctggagacgcgccctgtt 60
|||||
Rat: 1586714 gtgtattctacagtgcacgtgtctccagtgtggctcggaggctggagacgcgccctgtt 1586773
Mouse: 61 ggagtaac 68
|||||
Rat: 1586774 ggagtaac 1586781

mmu-mir-142 *Mus musculus* miR-142 precursor RNA

>gi|34873416|ref|NW_047336.1|Rn10_1856 *Rattus norvegicus* chromosome 10 WGS
supercontig

Mouse: 1 acccataaagtagaaagcactactaactaacagcactggagggtgtagtgtttcctactttatg 60
|||||
Rat: 17049244 acccataaagtagaaagcactactaactaacagcactggagggtgtagtgtttcctactttatg 17049303
Mouse: 61 gatg 64
|||||
Rat: 17049304 gatg 17049307

mmu-mir-145 *Mus musculus* miR-145 precursor RNA

>gi|34932227|ref|NW_047514.1|Rn18_2036 *Rattus norvegicus* chromosome 18 WGS
supercontig

Mouse: 1 ctcacggtccagttttccagggaatcccttggatgctaagatggggattcctggaatac 60
|||||
Rat: 3665639 ctcacggtccagttttccagggaatcccttggatgctaagatggggattcctggaatac 3665580
Mouse: 61 tgttcttgag 70
|||||
Rat: 3665579 tgttcttgag 3665570

mmu-mir-146 *Mus musculus* miR-146 precursor RNA

>gi|34872015|ref|NW_047334.1|Rn10_1854 *Rattus norvegicus* chromosome 10 WGS
supercontig

Mouse: 1 agctctgagaactgaattccatgggttatatcaatgtcagacctgtgaaattcagttctt 60
|||||
Rat: 15301237 agctctgagaactgaattccatgggttatagcaatgtcagacctgtgaagttcagttctt 15301178
Mouse: 61 cagct 65
||||
Rat: 15301177 tagct 15301173

mmu-mir-150 *Mus musculus* miR-150 precursor RNA

Mouse: 1 ccctgtctcccaaccctgtaccagtgctgtgcctcagaccctggtacaggcctggggga 60
|||||
Rat: 4552248 ccctgtctcccaaccctgtaccagtgctgtgcctcagaccctggtacaggcctggggga 4552307
Mouse: 61 taggg 65
||||
Rat: 4552308 caggg 4552312

mmu-mir-154 *Mus musculus* miR-154 precursor RNA

Mouse: 1 gaagataggttatccgtggtgccttcgctttattcgtgacgaatcatacacggttgacct 60
|||||
Rat: 29762799 gaagataggttatccgtggtgccttcgctttattcgtgacgaatcatacacggttgacct 29762858
Mouse: 61 attttt 66
|||||
Rat: 29762859 attttt 29762864

mmu-mir-185 *Mus musculus* miR-185 precursor RNA

>gi|34869997|ref|NW_047358.1|Rn11_1878 *Rattus norvegicus* chromosome 11 WGS
supercontig

Mouse: 1 agggattggagagaaaggcagttcctgatggtcccctcccaggggctggctttcctctgg 60
|||||
Rat: 2687772 agggattggagagaaaggcagttcctgatggtcccctcccaggggctggctttcctctgg 2687831
Mouse: 61 tcctt 65
||||
Rat: 2687832 tcctt 2687836

mmu-mir-191 *Mus musculus* miR-191 precursor RNA

>gi|34866469|ref|NW_047802.1|Rn8_2326 *Rattus norvegicus* chromosome 8 WGS
supercontig

Mouse: 1 agcgggcaacggaatcccaaaagcagctggtgtctccagagcattccagctgcacttgg 60
|||||
Rat: 58055 agcgggcaacggaatcccaaaagcagctggtgtctccagagcattccagctgcacttgg 58114
Mouse: 61 tttcgttcctgct 74
|||||
Rat: 58115 tttcgttcctgct 58128

mmu-mir-213 *Mus musculus* miR-213 precursor RNA

>gi|34880444|ref|NW_047396.1|Rn13_1918 *Rattus norvegicus* chromosome 13 WGS
supercontig

Mouse: 1 ggttgcttcagtgaaattcaacgctgtcgggtgagtttgaattcaataaaaaccatcg 60
|||||
Rat: 1976067 ggttgcttcagtgaaattcaacgctgtcgggtgagtttgaattcaataaaaaccatcg 1976126
Mouse: 61 accgttgattgtaccctatagctaacc 87
|||||
Rat: 1976127 accgttgattgtaccctatagctaacc 1976153

mmu-mir-300 *Mus musculus* miR-300 precursor RNA

>gi|34935858|ref|NW_047762.1|Rn6_2286 *Rattus norvegicus* chromosome 6 WGS supercontig

Mouse: 1 gctacttgaagagaggttatcctttgtgtgtttgctttacgcgaaatgaatatgcaaggg 60
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Rat: 29748356 gctacttgaagagaggttatcctttgtgtgtttgctttacgcgaaatgaatatgcaaggg 29748415

Mouse: 61 caagctctcttcgaggagc 79
 ||||||||||||||||||||
 Rat: 29748416 caagctctcttcgaggagc 29748434

Rat microRNA	Predicted folding Energy (kcal/mole)	Predicted stem loop precursor
rno-let-7a-2	dG = -38.9	10 20 30 40 -- UGC CU G U UAGAGUUACA GCA UCCCAGG GAG UAG AGGUUGUAGUU \ CGU AGGGUUC UUC AUC UCCGACAUGUCAA A CA^ UC- CU G C UAGAGGGAAC 90 80 70 60 50
rno-let-7b	dG = -44.0	--- U - - - - - CA A GGG GAGGUAGUAGGUUGUGUGUU UC AGGG GUG U CCC UUCCGUCAUCCAACAUACAA AG UCC CGC G AGU^ - U AAGCC -- U
rno-mir-7-1	dG = -46.8	U-- U U A U A A U -- A UGGA GU GGCCU GU CUGUGUGG AGACU GUGAUUU GUUGUU UUUAG U AUCU CA CCGGA CA GUAUACC UCUGA CACUAAA CAACAG GAAUC A GAC^ C - - C G - - CA A
rno-mir-7-2	dG = -29.1	--- C C A AGU U UG C CCAGC CUGU UGG AGACU GAUUU GUUGUUG U U GGUUG GGUA ACC UCUGA CUGAA CAACAAC G G ACU^ U C G CC- - CU U
rno-mir-16-2	dG = -36.9	---- UC CU UA C AG AAU CUUGU CGCU AGCAGCAGC AAUAUUGG GU UGA A GGACA GUGA UCGUCGUGU UUAUAACC CA AUU A AUAG^ GU UU UA A A- AUA
rno-mir-24-2	dG = -53.5	- U- CU--- CCGC G A AA UG U GCC CUCC GGGCU CUCCUGU CCU CUGAGCUGA CAGU AU C CGG GAGG CCCGA GAGGACA GGA GACUUGACU GUCA UG C A^ UC AUACC CCU- A C CG CG A
rno-mir-26b	dG = -42.6	U - GA - U UC UG G GC CCGG CCC AGU CAAGUAA AGGAUAGGU UGGU C CG GGCC GGG UCG GUUCAUUA UCUUGUCCG ACCG U C^ U GG C - CC -- G
rno-mir-28	dG = -41.2	C A GCA UU-- U- CUU GGU CCU CCC AGGAGCUCACAGUCUA GAG UC \ UCA GGA GGG UCCUCGAGUGUUAGAU CUC AG U ^ C C AGG CACC UU UCU
rno-mir-30b	dG = -28.1	U - -- U AUGUAAACAUC ACACUCAGCUG UCA A UGCAUUUGUAGG UGU GGGUCGGU AGU C ^ - A UG A
rno-mir-30c-2	dG = -28.0	GAGUGA UACU U ACA GUGAAA CAGA GUAAACA CCU CUCUCAGCU A GUCU CAUUUGU GGA GAGGGUCGA G UUCC--^ CUCU C A-- AAGAAU
rno-mir-92-2	dG = -36.5	UGCCCA A A G U CAU GUGUU UUC UCC CAGGU GGGAU AGUGC UACUU A AAG AGG GUCCG CCCUG UCACG AUGAA G A-----^ A A G U UU- AAAUA
rno-mir-93	dG = -48.2	A A CA- - U G UG UU GUC UGGGGGCUC AAGUGCU GUUCG GCAG UAG CA \ CAG ACCCCCGAG UUCACGA CGAGU CGUC AUC GU G A^ G CCC U - - CA CC

rno-mir-99a	dG = -29.5	A UC U G AAG CAUA ACCCGUAGA CGA CUUGUG UG U GUGU UGGGUAUCU GCU GAACAC GC G ^ C UU C - CAG
rno-mir-125b-2	dG = -33.3	- UC UG C A GG- U CCUAG CC AGA CCU ACUUGUGA UAU U GGAUC GG UCU GGA UGAACACU AUG U C^ CA GU C C ACA A
rno-mir-130a	dG = -24.7	GA- C UG A GUC A GCUCUUUU ACAUUG CU CU UAC C CGGGAAAA UGUUAC GA GA AUG G CUA^ U GU C GCC U
rno-mir-138-1	dG = -50.6	CUCUG UG U AG UCA GCCAA GCA GUGU GUGGGAC CUGGUGUUGUGAA GGCCGUU \ CGU CACG CACUCUG GACCACAACACUU UCGGC AA U A----^ -- U G- CA- GAGAC
rno-mir-138-2	dG = -29.1	CAG-- UCA AC--- CAAC CUGGUGUUGUGAA GGCCG GAG \ GACCACAGCACUU UCGGC CUC G GUUGG^ UA- CCAUU CUAC
rno-mir-146	dG = -29.3	CU C -- G AGCU GAGAACUGAAUU CAUGGGUU AUA C UCGA UUCUUGACUUGA GUGUCCAG UGU A ^ U- A AC A