**Table S2.** The sequences of conserved miRNAs of *X. sorbifolium*.

|  |  |
| --- | --- |
| **miRNA** | **Sequence** |
| aau-miR168\_R22-2L24 | UCCCGCCUUGCAUCAACUGAA |
| aau-miR172\_R1-21L23 | UGAGAAUCUUGAUGAUGCUGC |
| ahy-miR167-3p\_R1-18L21 | UCAGAUCAUGUGGCAGUUUC |
| ahy-miR3511-3p\_R1-15L21 | AACUAUCCCUGUUACUAUGGCAUC |
| ahy-miR3513-3p\_R20-6L21 | AGGACUACAAUUUCUAUCUUCAGC |
| ahy-miR3513-5p\_R20-6L21 | AUCCAGCAUGACAAACUCAGAACC |
| ahy-miR3516\_R1-15L21 | AUAGGCUGGGUGAUAUUGAAGA |
| ahy-miR3517\_R20-6L21 | AAAUCCGGGAUCACAGUGAAAUCC |
| ahy-miR3520-5p\_R20-5L22 | AAAAAACUUAAGAUAUUCACCAUC |
| aly-miR156d-3p\_R19-4L21 | AAUCCGGUUGACAGAAAGAGAGUG |
| aly-miR156h-3p\_R17-3L21 | AAAAGCAGAAGGAAAGAGAAGGAA |
| aly-miR157a-3p\_R20-4L22 | AUGACAGAAGGCUAGAGCCAUACC |
| aly-miR157c-3p\_R3-17L21 | AGUCUGAUCUCUAUACUUCUGUUU |
| aly-miR158b-5p\_R19-5L20 | UGAUUCCAAAAUUGUAGAAAA |
| aly-miR159c-3p\_R1-20L21 | CUUUGGAUUGAAGGGAGCUCC |
| aly-miR163-3p.1\_R1-15L23 | ACUGAAGAGGACUUGGACAUUGAG |
| aly-miR163-5p.2\_R21-6L21 | GUUUAUCGAAAUCGUUGUUGCUAG |
| aly-miR165a-5p\_R1-15L20 | GAGAAUGUUGUCUGGAUAUUGAUG |
| aly-miR166e-5p\_R3-17L21 | AUCUGUCAAAUGUUGUCUGGCACC |
| aly-miR167b-3p | GGUCAUGCUCUGACAGCCUCACU |
| aly-miR168b-3p\_R19-5L21 | AGAGAAUCUCAGUUGAUACAAGA |
| aly-miR169m-3p\_R16-2L19 | AAUGUUGAAGCCAAGAAGACUGCU |
| aly-miR172d-5p\_R3-19L21 | AAACAUCUUCAAGAUUCAAGCUCU |
| aly-miR172e-5p\_R3-18L20 | ACUGAGCACCAUUAAGAUUCUAAC |
| aly-miR172f-5p\_R3-21L21 | CAGCAUCAUCAAGAUUCACAUU |
| aly-miR173b-3p\_R21-7L21 | AUUGAGCUUCCACUUGCACAGUUG |
| aly-miR1887\_R24-10L24 | AGAAUACGGCUCAUACUAAGAACA |
| aly-miR319b-5p\_R21-7L21 | GUAGAGUGGACCGAAGAAUGUGAU |
| aly-miR3433-5p\_R3-20L21 | ACUUCAUUUGAGAACUGUGAUUAU |
| aly-miR3434-3p\_R5-20L21 | AAUCAGAGAAUCAACCGAAUUAGC |
| aly-miR3436-3p\_R5-19L22 | AAACGAUUUUUGGGUCAUUCUAGU |
| aly-miR3437-3p\_R1-15L20 | AUGUCCCGGUGGAUCUUGUUUGCC |
| aly-miR3438-3p\_R19-5L21 | UACGUCUCAGAGAUGAAGCUAACAGUGGA |
| aly-miR3441-3p.2\_R19-5L21 | AGAAAUGACAAAGAAGAUGAAGUU |
| aly-miR3441-5p.1\_R3-17L21 | CCACAAAGCAUCUUUGAAACUAGU |
| aly-miR3442-5p\_R6-21L21 | AAGCUGGUUUAGACUCUGAAUUGA |
| aly-miR3443-3p\_R20-6L21 | AAAUACUCUAAUCUCACAAUUUCU |
| aly-miR3444a-3p\_R15-1L21 | AGAGAUUGAUGAGAUUGAACAGGU |
| aly-miR3444b\_R18-4L21 | AAAUUUGGGAGAUUGAUGAAGAUG |
| aly-miR3447-5p\_R21-7L21 | ACUCGUUUGAUUAUGUUCUAACCU |
| aly-miR3448-5p\_R6-20L21 | AAAAAUGUAAAACAUCUUCAGACU |
| aly-miR3449-5p\_R17-3L21 | AACAACCGAAAGCAAUCUAUCAAU |
| aly-miR397b-3p\_R15-1L21 | AUGAUGAAUGCAACGCUGAUAAGU |
| aly-miR399h-5p\_R6-20L22 | ACCGAGAUCUCUAUUGGCAA |
| aly-miR4229\_R5-19L22 | AGAAUAGAUCAGGGAGGUCCUCCA |
| aly-miR4232\_R5-21L22 | AAUUUAUUAGGAUGUGUGGAUAGU |
| aly-miR4233\_R16-2L21 | AAUUGAUGAUGUUGAUGAUGUAGG |
| aly-miR4237\_R22-8L22 | UAUCUGAUCGAUUAUAUAUGUUAU |
| aly-miR4246\_R16-2L22 | CCCGGAUGAAAUGAAAAUUGGAUUCAUGUAAC |
| aly-miR4248c\_R3-17L21 | AUUUUAUUUUUGGCACUUAGAGAU |
| aly-miR4250\_R3-17L21 | CAAAGGCACAAGAACCACUGAAUG |
| aly-miR773b-5p\_R18-4L21 | ACUCCUUUACUGUUUGUUCAAAGC |
| aly-miR774a-3p.1\_R7-21L21 | GUUUUAUCUCCAUCUCCAAGUCCU |
| aly-miR774a-5p.2\_R3-17L21 | AAUAUAUGGGUGACUAAUCAAAGU |
| aly-miR774b-5p\_R3-17L21 | AGAAGAUGAAGAUUUGGAAUGAAU |
| aly-miR822-3p\_R5-19L21 | CUUUUAGCAACAUACGUUACAUGU |
| aly-miR823-3p\_R8-22L22 | AUGAUGUGAUCAUAUAGGAUUGGG |
| aly-miR824-3p\_R1-15L21 | CAGGAACUCGCCUUCUCAUCGAUGGAAGGA |
| aly-miR824-5p\_R1-15L21 | ACGCUGACUUAGACCAUUUGUGAG |
| aly-miR827-3p | UUAGAUGACCAUCAACAAACG |
| aly-miR828-5p\_R6-20L22 | AUUCAGUCUUAAAUGAGUAUUCGC |
| aly-miR829-5p\_R2-17L21 | AUUUUGUCCUUUGAAUCUUUGAUU |
| aly-miR831-3p\_R1-15L22 | UAAACUCCUCGUACUGUAAGACUU |
| aly-miR833-3p\_R22-8L22 | UUGUCUUGUUUGUUGACAUGUGUC |
| aly-miR834-5p\_R1-15L21 | ACACGAGACCACAGCUUCUGCUUC |
| aly-miR835-5p\_R17-3L21 | AUCCAAGGGAAGAACAUAUGCAAG |
| aly-miR837-3p\_R3-18L21 | CCUUAACCCUGAUACGAACAAGAAACUGAGU |
| aly-miR838-3p\_R18-3L21 | CCGGGCAAGAAGAAGAAGAAUU |
| aly-miR838-5p\_R5-19L21 | GUGUACCUGAGAAUGAGAAGCAAA |
| aly-miR839-5p\_R4-19L21 | AACAACCUCUCAUCGUUCGCGAAC |
| aly-miR840-3p\_R22-8L22 | AUUUAUAGAAACUAAGGGACC |
| aly-miR842-3p\_R20-6L21 | GAUGACGGAUCUGACGGCUGACCA |
| aly-miR845a-3p\_R17-3L21 | AACAAACUGGUAUCAGAGCUUCCG |
| aly-miR845a-5p\_R18-4L21 | AAAGGCUCUGACACCAAUUGAAGG |
| aly-miR845b-3p\_R4-20L21 | AACCAAUCUCUGAUACCAAAUGAU |
| aly-miR845b-5p\_R19-5L21 | AUUGCUCUGAUACCAAAAACUGUA |
| aly-miR846-3p\_R20-6L21 | AUUCAAGCACUUCAAAACAUCACU |
| aly-miR846-5p\_R7-21L21 | GCAUGAUCAAGCGACUUCAAUUCAGAAA |
| aly-miR847-3p\_R17-3L21 | CAAGGAGAUGAAGAAGAGGAGUCC |
| aly-miR847-5p\_R7-21L21 | AGUAUUGAAGAGGAAUGGAAGAGA |
| aly-miR848-3p\_R17-3L22 | AUCCCACUGUUAGUCCCAUGUACC |
| aly-miR848-5p\_R17-3L17 | AGACUCUGCUUUGACAUGGGAUUG |
| aly-miR852-5p\_R17-3L22 | AAUAAGCGCCUUUGUUACCGAACC |
| aly-miR856-3p\_R18-3L21 | ACAGAUAAUACCACAAAUAACAUG |
| aly-miR856-5p\_R3-18L22 | AUUCCACCAAUAACUUUAGUAUAU |
| aly-miR857-3p\_R2-17L21 | AGGGAUUUGUAUGUUGAAGGUUGA |
| aly-miR857-5p\_R16-2L21 | AAUGUAUGGUGAAAGUUCCUGAUG |
| aly-miR860-3p\_R2-17L21 | ACACUAAACAAUAGAUUGGACUAU |
| aly-miR861-5p\_R1-15L21 | UUGGGUUUGGAGAAAUAUGGUUC |
| aly-miR862-3p\_R20-6L21 | UUCAAGUAGAUCCAGAAGAAAUC |
| aly-miR868-5p\_R2-16L22 | AACUUUCUAUUUCUCGGCACUUGA |
| aly-miR869-3p\_R16-2L21 | AUAUUUAUCUCAAACCCAGAACAC |
| aly-miR869-5p\_R6-21L21 | ACAUCUCAACCCUAGUGAACUGAU |
| ama-miR156\_8A-G | CUGACAGGAGAGAGUGAGCAC |
| ama-miR396-3p\_R19-2L21 | UUCCACAGCUUUCUUGAGCUG |
| aqc-miR159\_R2-21L21 | UUGGACUGAAGGGAGCUCUA |
| aqc-miR171c\_R2-16L21 | AAAUGAAUGAAUUGAACCGCACUA |
| aqc-miR171f | UAAUUGAGCCGUGCCAAUAUC |
| aqc-miR477f\_R4-19L20 | AUCCUUCAAAGGCUUCUUGGCACU |
| ata-miR156b-3p\_R6-20L22 | UUUCUCUCUCUGUCAAUUUGGAGC |
| ata-miR156c-3p\_R3-18L22 | AGUAACUUCACUGCUCUAUCUGUU |
| ata-miR156d-3p\_R19-5L22 | ACAAGACAGAAAGAGGAGUUUGAU |
| ata-miR156e-3p\_R3-17L21 | AGUUCACCCUCUCUCUGUAACAUC |
| ata-miR156e-5p\_R1-19L20\_7A-G | UGACAGGAGAGAGUGAGCA |
| ata-miR160c-3p\_R21-7L21 | GUCAAUGCAUGCUUGGCUCCUUUGUAUUCUGUAG |
| ata-miR160c-5p\_R1-20L21 | UGUGCCUGGCUCCCUGUAUGCC |
| ata-miR164a-5p | UGGAGAAGCAGGGCACGUGCU |
| ata-miR164c-3p\_R19-5L21 | UUGGAGGAGAAGAACAAGACUCGA |
| ata-miR164c-5p\_R1-20L21 | UGGAGAAGCAGGGCACGUGC |
| ata-miR166a-5p | GGAAUGUUGUCUGGUUCAAGG |
| ata-miR166c-3p\_R1-18L21 | UCGGACCAGGCUUCAUUCACC |
| ata-miR166d-3p | UCGGACCAGGCUUCAUUCCCC |
| ata-miR166d-5p\_R1-16L21 | GGAAUGUUGUCUGGCU |
| ata-miR166e-5p\_R1-16L21 | UAAGGGGAAUGUUGUCUGGUU |
| ata-miR167a-3p\_R19-5L23 | AUUCUAAACUGUCACAGCACUGUU |
| ata-miR167d-5p\_R1-19L22 | UGAAGCUGCCAGCAUGAUC |
| ata-miR167e-5p\_R1-21L21 | UGAAGCUGCCAGCAUGAUCUAU |
| ata-miR167f-5p | UGAAGCUGCCAGCAUGAUCUGC |
| ata-miR168-5p\_R1-20L21 | UCGCUUGGUGCAGAUCGGGAA |
| ata-miR169d-3p\_R1-20L21\_12C-G | GGCAAGUUGUCGUUGGCUACG |
| ata-miR169d-5p | CAGCCAAGGAUGACUUGCCGG |
| ata-miR169f-5p\_R4-21L21 | CCAAGGAUGACUUGCCGACAA |
| ata-miR169g-3p\_R18-3L21 | CAAGCCAAGAACAACUCGGAUU |
| ata-miR169h-5p\_R1-16L21 | UAGCCAAGGAUGACUUUUUUUU |
| ata-miR169i-3p\_R1-17L19 | GGCAGUCUCCUUGGCUAAGC |
| ata-miR169i-5p\_R1-21L21 | UAGCCAAGGAUGACUUGCCUGAG |
| ata-miR171a-3p\_R17-3L21 | AAUCUGGGAUAUUGGUUCGGCUGG |
| ata-miR171b-5p\_R4-18L21 | AUCGUAGAUGGCAUGGCUCAAUCU |
| ata-miR171c-3p\_R1-21L21 | UUGAGCCGUGCCAAUAUCACGGCUCGUAGUUGG |
| ata-miR171c-5p\_R5-21L21 | AUUGGUGCGGUUCAAUC |
| ata-miR172b-3p\_R1-20L21 | AGAAUCUUGAUGAUGCUGCA |
| ata-miR172b-5p\_R21-7L21 | AUAUAAGGUGUGAAUCUUGGUGGG |
| ata-miR172c-3p\_R1-20L21 | GGAAUCUUGAUGAUGCUGCA |
| ata-miR2118a-5p\_R19-5L22 | AGUGUGAAUGGGAGACAUUAACUACCAA |
| ata-miR2118b-5p\_R1-17L22 | UCUUCCCGAUGCCUCCCAUACC |
| ata-miR2275c-3p\_R5-19L22 | UUUAGUUUCCUCCAAUAUC |
| ata-miR319-5p\_10T-C | AGCUGCCGACUCAUUCAUUCA |
| ata-miR390-5p\_R1-21L21 | AAGCUCAGGAGGGAUAGCGCCU |
| ata-miR393-5p\_R1-18L21 | UUCCAAAGGGAUCGCAUUUUCUU |
| ata-miR394-3p\_R4-18L21 | UGGGCAUACUGCCAACUGAGCU |
| ata-miR394-5p\_R1-16L20 | UUGGCAUUCUGUCCACUUUUUU |
| ata-miR395c-3p\_R4-20L20 | AGUGUUUGGGGGAACUCUGGAUAG |
| ata-miR395c-5p\_R15-1L20 | UGAUUUGAGGAGAACGAGACA |
| ata-miR396b-3p\_R17-3L20 | UGUACUCCUCAAGGACUUUCUUGAU |
| ata-miR396c-3p\_R5-19L21 | AAGAAAGCUGUGGGA |
| ata-miR396c-5p\_R1-18L21 | UUCCACAGCUUUCUUGAAU |
| ata-miR396e-3p\_R1-15L21 | GUUCAAUAAAGCUGU |
| ata-miR396e-5p\_14T-C | UUCCACAGCUUUCCUGAACUG |
| ata-miR398g-3p\_R1-19L21 | UUUCAUGUGUUCUCAGGUCGCCCC |
| ata-miR399a-3p\_R1-21L21 | GUUUGCCAAAGGAGAAUUGCCCUG |
| ata-miR408-3p\_R1-17L20 | UGCACUGCCUCUUCCCUU |
| ata-miR5062b-5p\_R7-21L24 | AUUUUCACCAAGAUUCCAAACAAG |
| ata-miR5168-3p\_16A-G | UCGGACCAGGCUUCAGUCCCU |
| ata-miR5200-5p\_R5-19L21 | AACCGUCUUAGUGAAUAUCUAUGA |
| ata-miR528-3p\_R6-21L21 | AGGGCCUGCCUCUUCCAUUUGUUU |
| ata-miR6201-3p\_R21-6L21 | AUCCCAAAUUGGCCCUGAGACACU |
| ata-miR9674c-3p\_R19-5L21 | AGAAACCCUGAAUUUAUCCAUAGU |
| ata-miR9772b-5p\_R21-6L21 | AUCACUGUAUGGGGUAAUCUCAAG |
| ata-miR9776-3p\_R16-2L21 | AACCAGAUAUAUUGGACAUGGAUGUGA |
| ata-miR9776-5p\_R4-18L21 | AAAAUUGGACGAGGAUGUGGAGGAAGC |
| ata-miR9863b-5p\_R5-19L21 | AUGAUCUGCUUCUCACUUGGACCG |
| ath-miR1887\_R3-17L21 | AAAACCUAAGUAGAGUCUAAAAGA |
| ath-miR1888b\_R1-15L21 | AUGUGAUUUAGGCUAAGAUUUGGA |
| ath-miR2933b\_R1-15L22 | AAGAACUGAAAUCGGAGAGGAACC |
| ath-miR2936\_R4-18L22 | AGAGAGAGAGAACACAACCGAGAA |
| ath-miR2939\_R16-2L21 | AGGCUGAUUAGUGUUGUGCGUUCU |
| ath-miR3434-5p\_R1-17L20 | UCACUUGGCUGAUUCUAUUUC |
| ath-miR3933\_R18-4L21 | AUCAAAAGUCGUCAUUUUGCUCUC |
| ath-miR397b\_R18-4L21 | CAACGAUGCACUCAAAGGAAGAAU |
| ath-miR402\_R2-16L22 | UUUAGACUCGAGGCCUAUUAAAUA |
| ath-miR406\_R1-15L21 | UUGAGUGUAGAAUGCUAUUGUAGU |
| ath-miR407\_R5-19L21 | AAUCAUAUACUUUUGUCGUCGUCU |
| ath-miR413\_R17-3L21 | AAUAUUGCGAGAACAAGAGAAACU |
| ath-miR414\_R17-3L21 | ACGAGGAUGAUGAUGAAGAUCGUU |
| ath-miR415\_R6-20L21 | ACAAGCAGAAACAGAACAGAAAAC |
| ath-miR418\_R2-17L21 | AGAAUGUGAUGAUGAACUCAAUCA |
| ath-miR420\_R17-3L21 | UUUUCCGUGAUUAGUUCUCUAGUUA |
| ath-miR4221\_R1-15L22 | GGCUCUUUUCCUCUGUUGAAAUGG |
| ath-miR4243\_R5-20L21 | AGGCUCAAUUGUAGAUUUCGUAUC |
| ath-miR426\_R17-3L21 | AGUCCAGGACAAAUUUCCAAUUUC |
| ath-miR5015\_R2-20L21\_14T-G | CCUGACUGGUGUUAUGUGGAGUCUUA |
| ath-miR5017-3p\_R7-21L21 | CCAGAGAUACAAAUUAAUAGCAAA |
| ath-miR5017-5p\_R20-6L21 | UUAUUCCAAAUUAGUAAAUGCACC |
| ath-miR5018\_R15-1L24 | AAUGGUGGAGCUUUAAAAUCGAGA |
| ath-miR5019\_R21-6L21 | AGAAGAGUUUUUCUUUCCUGCACC |
| ath-miR5020c\_R17-3L21 | ACACCUUCUUCCAUGCAUGAUCAA |
| ath-miR5021\_R4-19L20 | CGAAGAAGAAGAAGAAAGUGCAGU |
| ath-miR5023\_R2-17L21 | UUUGGUAGUGGAUAAGGCCAAAUGGAA |
| ath-miR5028\_R2-16L21 | AAUGGAAAUAUUGGGUUUAUGCUAUC |
| ath-miR5629\_R15-1L22 | ACAAGUCGUUAACUACCCUAACCC |
| ath-miR5632-5p\_R16-2L21 | AAGUUACUGGAUAAGAGAAUCAUC |
| ath-miR5634\_R4-18L21 | AUGAGUGACUUUGUGAAUUUAUUU |
| ath-miR5638a\_R5-19L21 | AAGCCUUCACAAAACUCUCUCACU |
| ath-miR5639-3p\_R15-1L24 | AUGGUCUGAGGCUAAAACUAGGUC |
| ath-miR5640\_R7-21L21 | AGUUUCAAAGGAAUUAGAUUCAAC |
| ath-miR5641\_R1-15L21 | AGCUCCCAAUGGAAGAAGAUGAUA |
| ath-miR5643b\_R19-5L21 | AUCACAGAACCAGAUCUUAAAAAC |
| ath-miR5645e\_R16-2L20 | ACGACAUGACUCAAACUCACAAUC |
| ath-miR5648-5p\_R1-15L22 | AAAGCUCUUUUGGAAAUAUUUGGA |
| ath-miR5649b\_R1-15L21 | AACGGUUGAUUGAAUAUGUUGGUA |
| ath-miR5650\_R4-18L21 | AAUUUUGGAUCUUAGAUGGACGGU |
| ath-miR5651\_R16-2L21 | AUAGAUAUUUGAACCGCACAUGUA |
| ath-miR5652\_R1-15L21 | AAAAAUUGAAUGUGAAUGAACUGG |
| ath-miR5653\_R17-2L24 | AAUCCAACUCAACUCAACCCGACU |
| ath-miR5654-3p\_R2-17L23 | GGAAGAUGCUUUGGGAGAGGUAGAAUUUAAUGA |
| ath-miR5654-5p\_R15-1L20 | GUGAUGUUGGGAUUUAUCAUGACGAUA |
| ath-miR5656\_R1-15L21 | UCGACUGAAGUAGAGAUUAGCAGU |
| ath-miR5658\_R17-3L21 | CAACCAUUUAUCAUCAUCAUCAUC |
| ath-miR5660\_R15-1L21 | AAGAUGUGCACUAACCACCUGAGC |
| ath-miR5664\_R18-3L21 | ACCGAUAAAAUUGACUCUGUUUAU |
| ath-miR5665\_R1-15L21 | AUUGGUGGACAAGAUCAGAAGGUU |
| ath-miR5998b\_R21-2L21\_10A-G | ACAAAACAGAACACAAACUGAAUC |
| ath-miR773b-3p\_R4-18L21 | GAUGGCCUGAGAUUCCAGCUUUUGU |
| ath-miR774b-3p\_R2-16L21 | AAAAUCCAUAUUUUCAUCGCGAGC |
| ath-miR775\_R18-4L20 | CAGCACUGCUAGACAUCCUGUGAGGCAU |
| ath-miR777\_R22-8L22 | AAGCAACGAAACUCAUUUAGACAC |
| ath-miR778\_R1-15L21 | AAAUAUCUCUGGCUUGGUUUAUGU |
| ath-miR781b\_R21-6L21 | ACUAAGUAUCCAGAAAACACUAUC |
| ath-miR8121\_R10-24L24 | AAUGAGGUUGGUUUAGUGGUUUGC |
| ath-miR8166\_R3-17L22 | UAUUUUAGAGUGUAGAAAGUU |
| ath-miR8172\_R21-7L21 | GAGAUCUGAUCUCCAUCUAGAUGG |
| ath-miR8173\_R20-6L21 | AAACACCCCACCUCGAAUCAGAGC |
| ath-miR8175\_R3-20L20 | UGACCCGGGUUCGUUCCCCGGCAACGGCGCCA |
| ath-miR8177\_R22-8L22 | AUGAGCCCUAUAAAUGACACAUCC |
| ath-miR8179\_R18-4L21 | AAUCAAGUUAAUGCAGCUCUCCAA |
| ath-miR8184\_R20-6L21 | AUCAAGGACAUUCGUAAUCAGAAA |
| ath-miR823\_R16-2L21 | AAAUAUGAUCACCACCCCACGUAUC |
| ath-miR826a\_R19-5L21 | AGGAAUCGUAUCCAAAACCGGUGGU |
| ath-miR827\_R1-21L21 | UUAGAUGACCAUCAACAAACUUU |
| ath-miR829-3p.1\_R16-1L24 | AUUUGGUAUCAGAGCUUUGGUCUU |
| ath-miR829-5p\_R7-21L21 | ACUCCAAUAAGCUUUGAUUUGAAA |
| ath-miR830-3p\_R4-18L21 | AAACUGGUGCUAUUUUGAGAAGAA |
| ath-miR830-5p\_R5-19L22 | UUUCCUCCAAAUAGUUUAGUCACU |
| ath-miR832-3p\_R20-6L21 | UUGCUUGGAUUGGGAU |
| ath-miR832-5p\_R6-20L21 | AAGCGAGGAUCGGGAAUCGAACUA |
| ath-miR837-3p\_R1-15L21 | AAAACGAACAAAAAACACUGAACC |
| ath-miR838\_R21-7L21 | AGUGGCCAUUGUGCAAGAAGUAGA |
| ath-miR841a-5p\_R4-21L21 | UGAGCCACUUGAAACUGAAG |
| ath-miR843\_R20-5L21 | UGACCCAAUGAAGCUCGACCCA |
| ath-miR845a\_R1-18L21 | AAACCGGCUCUGAUACCAAUUGCU |
| ath-miR845b\_R3-18L22 | AACCUUAAGCUCUGAUACCAAAUU |
| ath-miR847\_R20-6L21 | AAAGAAAUCAAGAAGAAGAGGGUC |
| ath-miR851-5p\_R18-4L21 | AUCCAUGGUGGAUCGCGAACCGGU |
| ath-miR854e\_R7-21L21 | AGAUUCUGAUAGGGAGGAGGAGGA |
| ath-miR855\_R7-21L22 | AAAGAGCUAAGGAAAAGGAUGUGG |
| ath-miR858b\_R1-21L21 | UUCGUUGUCUGUUCGACCUUGA |
| ath-miR863-5p\_R3-17L21 | AAUGAUGGAAUGUCUUGUUGAUCU |
| ath-miR864-3p\_R1-15L22 | AUAAAGUCAAUAAUACUCUGUC |
| ath-miR869.1\_R5-19L21 | UUACUUUGUGUUCAAUUCUGGUGU |
| ath-miR870-5p\_R6-20L21 | ACGGUUACCAUCAAAUUAGAAUGA |
| atr-miR156c\_R1-21L21 | UUGACAGAAGAUAGAGAGCACA |
| atr-miR159\_R1-20L21\_9G-A | UUUGGAUUAAAGGGAGCUCU |
| atr-miR166b\_R1-20L21 | UCUCGGACCAGGCUUCAUUCA |
| atr-miR171b | UUGAGCCGUGCCAAUAUCACA |
| atr-miR171c\_R4-20L21 | UUGAGCCGCGCCAAUAUUUU |
| atr-miR2111\_R21-7L22 | AUUGUCAAACCUCAAGAUACUCCA |
| atr-miR319e\_R1-21L21 | UUUGGACUGAAGGGAGCUCCUC |
| atr-miR393 | UCCAAAGGGAUCGCAUUGAUCC |
| atr-miR397b\_R1-17L21 | UCAUUGAGUGCAGCGUUUUUUU |
| atr-miR398\_R19-5L21 | ACGGACGGGGCGACCUGGGAAGGC |
| atr-miR535\_R20-1L21\_9C-A | CGUGCUCUAUCUCGUUGUCAUU |
| atr-miR8551\_R17-3L24 | CUGCGAGCUAACCUAGAACCCA |
| atr-miR8553a\_R22-8L24 | AGAUUAUGAAUUCUGAACCUGAUU |
| atr-miR8554\_R7-21L24 | GACUUUGGAUCUUGAAGCAUUUUG |
| atr-miR8559\_R3-18L24 | AAAACACUGUAGUAGUCAAAAUCU |
| atr-miR8561.1\_R4-18L24 | AAUGGUUCAUUGUUGUCGGCUCUU |
| atr-miR8561.2\_R6-20L24 | ACUCGCGCGCACACAUUAAUUAUG |
| atr-miR8562b\_R1-20L24\_13G-C | GUCUCGGAAUGAUCUCAAAUUUGA |
| atr-miR8562c\_R5-20L24 | AGGUAAUGAUCUGAAAUUUGAAGA |
| atr-miR8572\_R23-9L24 | AGACUCAGAGGAUUCCAACGAAGU |
| atr-miR8577\_R10-24L24 | UUGUAGAAGAUGAUGAUGAUGA |
| atr-miR8578.1\_R15-1L21 | AGGAUUAAGAUCACUCAUAAAUAG |
| atr-miR8580\_R7-21L24 | AGUAAUAGAAUGGAUGGUCAGCAG |
| atr-miR8581\_R17-3L24 | AUACCAAAAUUCUCUGCAAAAUUU |
| atr-miR8583\_R19-5L24 | CGUAGGCUAAGUCACAAGUGCCUCGGUCUGUUC |
| atr-miR8587\_R3-22L24\_8T-G | AACAACUGUUGAACUGCCCAAAUC |
| atr-miR8590\_R20-6L24 | UUUUUUCUACAAAUCUGAGCGAUU |
| atr-miR8591\_R2-17L24 | AGCGUUGAGGAUGUAAGCUCGAGU |
| atr-miR8595\_R19-5L21 | AUGGAUUCCAAGACCUUCAACUUU |
| atr-miR8596\_R3-17L24 | AUGGAUUUCAAGCUCGUUGAGAGG |
| atr-miR8598\_R22-4L24\_9C-A | CGACCACAGAUCGUGCUGACUGGC |
| atr-miR8605\_R15-1L24 | AUCCUGUCGAGAUUAAUGUGCGGU |
| atr-miR8608\_R6-21L24 | AAAUACAGAUCAGAUUGACGGAUG |
| atr-miR8610.1\_R23-4L24\_16C-T | UUUCUGAACAAAUCGAAGAACCUAAUGGAUCGAA |
| atr-miR8610.2\_R1-15L21 | AUUUUCUGACCAAAUUGAUACAUU |
| atr-miR8615\_R1-16L22 | AAUGAAGUCUUGUAGGUAUGAUUC |
| atr-miR8616\_R22-8L24 | CUACAAAUUUUAUAACUGAGAUAA |
| atr-miR8617\_R3-17L24 | AUUUUAGUUGGAUGGAGAUGGAGA |
| bcy-miR156\_R1-15L22 | AUGCUUUUUGACAGAAGAUAGGUC |
| bcy-miR529\_R2-16L20 | GAUAAAGAAAAGAAGAGAGAUGGU |
| bdi-miR1135\_R20-6L24 | GACGUCGGAAUUACUUGUAAAUCC |
| bdi-miR156h-3p\_R22-7L22 | AGAUGUAGAUGACAGGAAGAGCAC |
| bdi-miR156j | UGACAGAAGAGAGAGAGCAC |
| bdi-miR159a-3p | CUUGGAUUGAAGGGAGCUCU |
| bdi-miR159a-5p\_R17-3L19 | AACGAGAGUUGGAUCGAAGGGAGA |
| bdi-miR159b-3p.1\_R1-21L21 | UUUGGAUUGAAGGGAGCUCUGCCUGCGAGCUCCC |
| bdi-miR159b-5p.3\_R19-5L21 | AACCGAUGAACCAUGAACAAGCUU |
| bdi-miR159c\_R1-20L21\_6T-A | UUUGGAUUGAAGGGGGCUCU |
| bdi-miR160a-3p\_R1-15L21 | GCGUGCGAGGAGCCAUGAAA |
| bdi-miR162\_R1-20L21 | UCGAUAAACCUCUGCAUCCG |
| bdi-miR166e-3p\_R1-21L21 | CUCGGACCAGGCUUCAUUCCCU |
| bdi-miR169c-3p\_R16-2L20 | AUGCACUCUCCAAGGACAACCUGC |
| bdi-miR169h-3p\_R1-19L19 | AGGCAGUCACCUUGGCUAGC |
| bdi-miR1878-3p\_R8-22L24 | UGUGUUCAGAUUGAGUGGGUC |
| bdi-miR1878-5p\_R9-23L24 | GACUGACGUGAACACUAUAAAAAG |
| bdi-miR2118a\_R1-17L22 | UUUCCGAUGCCUCCCAUACU |
| bdi-miR2275a\_R5-20L22 | UUUAGUUUCCUCCAAUGUCUUA |
| bdi-miR2275b\_R22-7L22 | AGAGAUGAGAUAUUAGAAGAAUAU |
| bdi-miR319b-3p\_R1-20L21 | CUUGGACUGAAGGGUGCUCCC |
| bdi-miR395d-3p\_R2-18L21 | AGUGUUUGGGGAACUCUGGAUAGU |
| bdi-miR395f-5p\_R19-5L21 | UUGACGGCUAAAGUGUUUGAAGGU |
| bdi-miR395p-3p\_R4-20L20 | AGUGUUUGGAGGAACUCUGGAUAG |
| bdi-miR397b-3p\_R1-16L21 | CGUUGACCUUCGACCCUGCACCC |
| bdi-miR399d | UGCCAAAGGAGAUUUGCCCGG |
| bdi-miR444d\_R17-3L21 | AUAUCAUAUUGAGACAACAACUGA |
| bdi-miR5049-3p\_R15-1L24 | AUUUGUGGGAUCCAUAUUACUUGA |
| bdi-miR5055\_R1-15L21 | AUCUCGCUGCUGAGCUUUGUCUUGAUAGGGCU |
| bdi-miR5057\_R15-1L21 | AUGGACAAUGAUUUGAAAUUUAGU |
| bdi-miR5058\_R6-20L22 | AUUUGAGGGAUGAAAAAUGUAAUU |
| bdi-miR5064\_R17-1L21 | AAGUGCUAUGGACAAAUUCGUGGA |
| bdi-miR5066\_R5-19L21 | ACUUGGACAGUAUAAGUGGAGUGC |
| bdi-miR5067\_R21-7L21 | AAUUCCCGAUCCAUAUUAGUUGUG |
| bdi-miR5163a-3p\_R5-19L21 | AGUAUUUCAGGUUAGGGAACUUCC |
| bdi-miR5163a-5p\_R5-19L21 | UUCGAUCGCCUAAAAUAUUUAACU |
| bdi-miR5163b-5p\_R5-19L21 | AAGGGCAACUGAAAUAUUUAUUGA |
| bdi-miR5165-3p\_R15-1L21 | AUUUGUUAUUGGCUCAAGGUAGGA |
| bdi-miR5169b\_R7-21L21 | UUCAAGUUUGUAGAACAUCAAUCU |
| bdi-miR5171b\_R4-18L21 | AUUUGGUGUAAUAUGGGACGGAAU |
| bdi-miR5173-3p\_R1-15L21 | AUUCCUGCAUCUGUAUAUACUGCC |
| bdi-miR5174c-3p\_R2-16L24 | AAUUUUGCGUGGAACACUGUUUGC |
| bdi-miR5174c-5p\_R5-19L24 | CUAGAGAAUCCGUUCUAUGAAGAC |
| bdi-miR5175b\_R21-7L21 | ACAAGAAUUUAGGAAUAUUGGAGC |
| bdi-miR5176-3p\_R3-21L21\_10G-A | AUUGAUGAUAUGGCAUAGAAUGGG |
| bdi-miR5180a\_R7-21L21 | UCCAGAUCUCUCAGUUUUGAACU |
| bdi-miR5181d\_R7-21L21 | AAAAGUCUAUGGACCGGAGGGAGU |
| bdi-miR5182\_R4-19L21 | GAUUGGUUGAUCUUGGAACACGUU |
| bdi-miR5183\_R3-17L21 | AGUGUUUUGGACAAAUUUGACUCU |
| bdi-miR5185k-3p\_R1-15L21 | UUUUGAGAAUUGAACUCAGGACCU |
| bdi-miR5185k-5p\_R19-5L21 | ACCAAUUGAAGUAUUUUGAAAAAUGAACUGAAGA |
| bdi-miR5185l-5p\_R6-20L21 | AACGUGCCGAGUCAAUCUCUAAAU |
| bdi-miR5185m-3p\_R5-19L21 | AAAAAUUGAACUAGAACCGGCGGU |
| bdi-miR5185m-5p\_R1-15L21 | GCGAUUCUAGUUCAUUUUUUGAGC |
| bdi-miR5200a-5p\_R3-17L21 | AGAGACUUAGGGAAUAUCUAGAGA |
| bdi-miR5200c\_R7-21L21 | UUUACUCUCUAAGGCUUUUCGUC |
| bdi-miR529-3p\_R3-17L21 | GACGCUACGUAUUGUACCCUCUCUCUU |
| bdi-miR530b\_R1-19L21 | UGCAUUUGCACCUGCACCU |
| bdi-miR7707-5p\_R22-8L24 | AAUUGAAUUCGAUCGAUGUAUGCC |
| bdi-miR7708b-3p\_R8-23L24 | AUUGGCCGAGAAUUGUAAUGGAGA |
| bdi-miR7709-3p\_R6-20L21 | UGCUAGUCGUACUUUGACAGA |
| bdi-miR7710-5p\_R17-2L24 | ACCACUCAUCACGAUCUGUAGUCG |
| bdi-miR7711-5p.2\_R2-16L24 | AUAUGCUGAUAGAAUUUCUAACUU |
| bdi-miR7711-5p.4\_R1-15L24 | ACAUACUCUGAAUUUUAUGACUAC |
| bdi-miR7714-5p\_R8-22L24 | AAAAAUCGGAUCAAUAUUACAAAU |
| bdi-miR7716-5p\_R10-24L24 | AUUUAGAGAGAGAAGAACGAAACU |
| bdi-miR7717b-3p\_R10-24L24 | ACCCUUGACUAAGUUGACCGAGAA |
| bdi-miR7717c-3p\_R6-20L24 | AAUGUGACUGAGAAAUAGAAGAUC |
| bdi-miR7720-5p\_R9-23L24 | AGCGGCGAUCGUGCGGAGAAGACA |
| bdi-miR7723a-5p\_R7-23L24 | AACUAUCUUGGCCUUCUUAAACCC |
| bdi-miR7723b-3p\_R10-24L24 | AUUGGUAGUUUCAAAAUGGAUUGA |
| bdi-miR7725a-3p\_R9-23L24 | AUGUGAUUUCGUCAACCUUAUA |
| bdi-miR7725b-3p.1\_R1-16L21 | UGAAAACCAUAUUCCUUGCAACUGAGA |
| bdi-miR7725b-3p.2\_R17-3L24 | AAUCGAAAUUCGUCUCCUCUUAUU |
| bdi-miR7727-3p\_R5-19L24 | AAUUCUCUGUCGAUUGGAACUAAC |
| bdi-miR7727-5p\_R20-6L24 | AGACCAACUGAAACUGAGCACAGC |
| bdi-miR7729b-3p\_R10-24L24 | AAGGUGGUUUGGAGGAGUCUGAGA |
| bdi-miR7729b-5p\_R3-20L23 | UUUUCAUAGGCCAUGUAGUCUGCU |
| bdi-miR7732-3p\_R2-17L21 | AUCGGAAUCGAGAUCGUGGAGGU |
| bdi-miR7733-5p\_R16-1L24 | AAAACUUGGCAAUGGCGAGAACGC |
| bdi-miR7739-3p\_R18-4L22 | ACAAUACUUCUCAGACUGCUCAGA |
| bdi-miR7742-5p\_R15-1L21 | AGGUGCCCUGAAUGAGCGAAUGAU |
| bdi-miR7743-5p\_R3-20L24 | AAUGGACAUCUACUGAUAGUUUGA |
| bdi-miR7746-3p\_R1-15L24 | AUUUUUUCUAUUGGAACUCUCGCU |
| bdi-miR7746-5p\_R9-23L24 | AUCGAGAGUUCCAACAGAACGAGC |
| bdi-miR7747-3p\_R7-21L24 | AAUUAACAAAACAAACUGUACUGA |
| bdi-miR7747-5p\_R1-15L24 | AGAAUCAGAUUGUUUUGUCCCAUC |
| bdi-miR7750-5p\_R16-1L24 | AUUCAGCCCGGCAAUGAUUCAGAU |
| bdi-miR7752-3p\_R1-19L25\_5T-A | AUGAAAAAGAUAGGUUGGAAGAGG |
| bdi-miR7753-3p\_R6-20L21 | GAUUUAAGGGAGAAGACAUGACUCA |
| bdi-miR7753-5p\_R7-21L21 | AGUUUAUCUUCCUUGCUCAUCACA |
| bdi-miR7755-3p\_R5-19L21 | AGUUUACGGUGUAGAAUGUGAAGG |
| bdi-miR7755-5p\_R1-16L21 | AAUUCCACACUGUAAAUGCAUAAG |
| bdi-miR7756-3p\_R9-23L24 | ACUCAACUUGGCAUUGAAUUGGAC |
| bdi-miR7756-5p\_R21-7L23 | AAGGAAAGACUUGGCAUUUAAGUG |
| bdi-miR7757-3p.2\_R16-2L21 | AUACGGUGGACAUAUCAAGUUAUC |
| bdi-miR7758-3p\_R6-20L24 | AACUAAGUCAACUAACUGUAGAGU |
| bdi-miR7758-5p\_R3-17L24 | ACCUUCCCUACCGUUAGUUGACUU |
| bdi-miR7762-5p\_R20-6L24 | AAUCCAUCUGAGAACUUGGUCAUC |
| bdi-miR7765-3p\_R4-18L24 | UCUCGGCUGCUCAAGAAGUUGGACUAGCUGCU |
| bdi-miR7765-5p\_R23-9L23 | CGGUGGAUAGUUGCAACUUGUUGGAUA |
| bdi-miR7766-3p\_R3-17L24 | UUAAGGCUGACUGGGACUCCAUU |
| bdi-miR7767-3p\_R5-19L21 | CCGGCAAGCAGCUUGAAGAUGGACGAACC |
| bdi-miR7767-5p\_R1-20L21\_8C-A | CCACCCCAAGAUGAGAGCUCUCCU |
| bdi-miR7771-3p\_R6-20L24 | AAGUAAACCUACUAUAGAAGUCAA |
| bdi-miR7772-3p\_R20-6L24 | AUUCUCAGUUCAUGGAUCGAUUCU |
| bdi-miR7775-5p\_R10-24L24 | UAAGAGUUCUGAAGCACCAGUUAUUGGGU |
| bdi-miR7776-3p.1\_R20-6L20 | AAACUCGUUGCCCUCUGAUAAAGC |
| bdi-miR7776-5p.2\_R2-16L21 | AUCUCAACCAUUCAACUCAUUAUA |
| bdi-miR7777-3p.1\_R7-21L21 | AUCACCCAACAGAAGAUCAAGAGG |
| bdi-miR7777-5p.1\_R16-2L21 | UUUCUACCCAACCAAACAAGACUU |
| bdi-miR7779-5p\_R19-5L24 | AAGUCAUGUCUGACAAUGAGCACC |
| bdi-miR7780-3p\_R4-19L24 | AUUGAUUGGGACCUUGCUGAAGAU |
| bdi-miR7781-3p\_R16-2L24 | UAUCGGAAUCUGACUACAGACAUC |
| bdi-miR7782-3p\_R4-21L24 | AAUGCUCUGAUACCAUGUUGAGAA |
| bdi-miR7782-5p\_R7-21L24 | UUUAGUGGUAUUAGAGCAAGGUUU |
| bdi-miR7783-3p\_R16-1L24 | ACAUGGUAUCAGAGCUUUGGAACU |
| bdi-miR7784b-5p\_R3-17L24 | CCAACAUGAACUUAUAAGCACC |
| bdi-miR7786-5p\_R1-15L24 | AGAAUGUCUAUGUCUAUGUCGAUG |
| bdi-miR827-5p\_R19-1L22\_8C-G | AUAGAUGAGAACCAACAAAAUAGU |
| bdi-miR845\_R1-16L21 | AGUGCUCUGAUACCAAUUUGUUGU |
| bdi-miR9480b\_R6-20L21 | AAGUAUCAGAGGGUGGUAACUGAC |
| bdi-miR9481b\_R16-2L21 | UGAGAAAUCCGACUGUAAAUAAUU |
| bdi-miR9483b\_R8-22L24 | AACUGGUUUCCUCUGAAGUUGAAG |
| bdi-miR9486b\_R2-16L21 | AAGGAUGAGAAGUGAUUAGAGGUU |
| bdi-miR9487\_R4-18L21 | AAUGUUCGAUUGCAAGA |
| bdi-miR9489\_R4-18L21 | AGACGCCACGCUCCACGGACUUGG |
| bdi-miR9491\_R5-19L21 | ACCAUGUUACCUCUGAUCUUAACA |
| bdi-miR9493\_R2-16L24 | GAACUGAGAAUUAUGAAACGAUGU |
| bdi-miR9494\_R15-1L21 | AGACUCUGACGAAGGUGAUGAAGA |
| bdi-miR9495\_R17-3L21 | AACAAUUCCAGAGGCAUUUUUGUC |
| bna-miR167b | UGAAGCUGCCAGCAUGAUCUAA |
| bna-miR168b | UCGCUUGGUGCAGGUCGAGAA |
| bna-miR397b | UCAUUGAGUGCAGCGUUGAUGU |
| bna-miR6028\_R18-4L21 | AGAAUGUCCUUACUCUUGCCUUUA |
| bna-miR6032\_R3-18L21 | AGAGCAUCAACAGAUCUGGAACCU |
| bna-miR6034\_R1-21L21\_9A-T | AAUCUGAUGUUUAUAGCUUUGGGA |
| bol-miR398a-5p\_R21-6L21 | AGUCCGUGUUCUCAUGACCAGAGU |
| bra-miR156a-3p\_R7-21L21 | AUCUCUCUCUGUCACCCUUGAACU |
| bra-miR156d-3p\_R21-7L21 | UUAGGUGACAGAUAGAGAAGACUU |
| bra-miR158-3p\_R2-16L21 | AAUUCCAAAUGUAGACAGAGACGG |
| bra-miR162-3p\_R1-17L21 | UCGAUAAACCUCUGCAUUU |
| bra-miR162-5p\_R6-21L21 | CAGCGGUUCAUCGAUCUCUUU |
| bra-miR164e-5p | UGGAGAAGCAGGGCACGUGCAA |
| bra-miR168a-5p\_R1-16L21 | UCUCUAAUUCGCUUGGUGCAGGUC |
| bra-miR168c-3p\_R7-21L21 | UUGCAUCAACUGAAUCGGAGA |
| bra-miR168c-5p | UCGCUUGGUGCAGGUCGGGAC |
| bra-miR172c-3p | AGAAUCUUGAUGAUGCUGCAG |
| bra-miR172c-5p\_R15-1L21 | AAUAGAUGGUCUUGAUGAUGAUGC |
| bra-miR172d-5p\_R18-1L21 | GGAAUCUUAAUGAUGCUGCAG |
| bra-miR319-3p\_R2-21L21 | GUGGACUGAAGGGAGCUCCCU |
| bra-miR319-5p\_R18-4L21 | AAACUUGGACUCAAGGAAGCAAAG |
| bra-miR395a-3p | CUGAAGUGUUUGGGGGAACUC |
| bra-miR395a-5p\_R16-1L21 | AAGUGCUCAGAGGAACUCUAGGGA |
| bra-miR396-3p\_R1-19L21 | GCUCAAGAAAGCUGUGGGA |
| bra-miR398-3p\_R1-19L21 | UGUGUUCUCAGGUCACCCCCU |
| bra-miR398-5p\_R1-16L21 | AGAUCUAGGGUCGACAUGAGAACC |
| bra-miR400-3p\_R20-2L21\_16T-A | AUGUGUCAUGAGAUCAUUAAAAGU |
| bra-miR400-5p\_R2-16L21 | AAUGAGAGUAUUAUAACGUAGAUC |
| bra-miR403-3p\_R2-21L21 | UAGAUUCACGCACAAACUCG |
| bra-miR408-5p\_R21-3L21 | CACUGCCUCUUCCCUGGCUCU |
| bra-miR5711\_R1-16L21 | AAUACAUGUUUUGUGGGUUUCUGC |
| bra-miR5713\_R6-21L21 | AAUGGAUAGAAGAACGUUUGUUGU |
| bra-miR5715\_R5-19L21 | AGCCUGGGAUAAGCCUCUGAAGGG |
| bra-miR5716\_R7-21L21 | CGAACCGAAUUGAAGAUAUAAAUC |
| bra-miR5717\_R4-18L21 | UUCAGCUGGAUUGUUUGCCUUCGC |
| bra-miR5718\_R2-21L22\_9A-C | ACCAGAACCCAACACAGAACAACC |
| bra-miR5720\_R4-18L21 | UUGAUUUGGUUGGAAUGACUUCAC |
| bra-miR5721\_R6-20L21 | AACUGUGGCUGGAGUGAGAAAUGG |
| bra-miR5723\_R18-4L21 | UUUUCCGAGAUAUUGCAGCACUGC |
| bra-miR860-3p\_R6-20L21 | AGACAUUGGACUACAUAAGGAAGG |
| bra-miR860-5p\_R16-2L21 | AUAGAUUGGACUACAAAUAGUAUU |
| bra-miR9408-3p\_R3-17L22 | AACUGUCAUCUUAGAGAAUGAACU |
| bra-miR9408-5p\_R18-4L21 | GUCCAUCCUGAGACUGAAGUCUGG |
| bra-miR9552b-5p\_R16-2L21 | AAGAAUGCCAAGUAGACCGAUAUU |
| bra-miR9553-3p\_R16-2L22 | ACUAGCUGGAGCUGAUUGAUCACC |
| bra-miR9553-5p\_R1-15L22 | AAGUACAAAGCUGAAGCUGCUCCG |
| bra-miR9554-5p\_R5-19L21 | ACGGCCCUAGGAUACUUGGAUAUAA |
| bra-miR9556-3p\_R1-15L21 | AUAUCUACUUUCACCAAUAAAAGG |
| bra-miR9558-3p\_R20-6L22 | AGGAAAUGUCUGGCUAAGGAAAGAU |
| bra-miR9559-5p\_R1-15L21 | AGGAUUGUAUUUGGAUUUUGGUCA |
| bra-miR9560b-3p\_R21-5L24 | UUCCAGGAGGUAGAACUAAUUUCC |
| bra-miR9560b-5p\_6T-C | ACAGGCGGUGGAACAAAUAUGAGU |
| bra-miR9561-5p\_R18-1L23 | AGAGCGAGACUGGUGAGAGACUCA |
| bra-miR9562-3p\_R18-4L21 | AUAGAGAUUUAUGCAGUUGUGAAC |
| bra-miR9563a-3p\_R20-6L21 | UUCACCUUAAACUUGUCUCUUAAC |
| bra-miR9563a-5p\_R3-17L21 | AACGUCCGUCUCUUAAUUUUGAUU |
| bra-miR9563b-3p\_R3-18L22 | AACAUUAAGAGAUGAAUUCGAAUC |
| bra-miR9563b-5p\_R22-7L24 | UUAAAAAGUUAAGAGACGAAGAGA |
| bra-miR9565-5p\_R17-3L21 | GAAACGAGAGAACGAUAGUGAAUU |
| bra-miR9567-5p\_R17-2L21 | ACUAUAUGUGUUGUUUGAAUAUCU |
| bra-miR9568-3p\_R19-5L21 | ACCUUGCAGAUCUCUUACGCAGCU |
| cca-miR396a-3p\_R19-1L21 | UCCCACAGCUUUCUUGAACU |
| cca-miR399 | UGCCAAAGGAGAUUUGCCCUG |
| cca-miR6104\_R5-19L24 | AAAUAGACAAAUAGAACAAACAGG |
| cca-miR6105b\_R19-5L23 | AGAAGACCAGUCUGUUUUAGAGAU |
| cca-miR6108e-3p\_R7-23L23 | AUUGGAUGGUUCAGAUCUCUUCUU |
| cca-miR6108e-5p\_R22-8L24 | AAAAAAAAGGGUGGAGAUCUCAUU |
| cca-miR6110-3p\_R24-10L24 | ACUGAGCUUGUAACAUUUGAUAUC |
| cca-miR6110-5p\_R3-21L24\_9A-T | AGACUUGUAUCAUUUGAUGAUGCC |
| cca-miR6113\_R4-18L22 | AAAGAAACUCAAGAACACUGCUCU |
| cca-miR6114-5p\_R2-16L21 | ACGAAAGGAAUCAUGAAAAGCAGU |
| cca-miR6117\_R20-1L24\_16T-C | AAAGUCAACCCGAUCAACCCAACC |
| cln-miR162\_R1-20L21 | UUGAUAAACCUCUGCAUCCA |
| cme-miR156e\_R17-3L21 | UUCUCUCCUCUAUCUUCUGUCUUC |
| cme-miR156j\_R2-22L22 | UUGACAGAAGAGAGUGAGCAC |
| cme-miR159b\_R2-21L21 | UUGGAUUGAAGGGAGCUCCU |
| cme-miR166i\_R1-19L20 | UCGGACCAGGCUUCAUUCUUUUCU |
| cme-miR1863\_R1-17L24 | AAACAAAGCUCUGAUACCAUGUU |
| cme-miR396e\_R1-20L21 | UUCCACGGCUUUCUUGAACU |
| cme-miR398b\_R1-21L21 | UGUGUUCUCAGGUCACCCCUUU |
| cme-miR399e | UGCCAAAGGAGAGUUGCCCUU |
| cme-miR408 | AUGCACUGCCUCUUCCCUGGC |
| cme-miR477a\_R5-21L21 | CCCUCAAAGGCUUCCAAUGU |
| cme-miR845\_R2-17L22 | AAACCGCGCUCUGAUACCAAUAAA |
| cme-miR858\_R1-20L21\_5G-A | UCUCAUUGUCUGUUCGACCUG |
| cpa-miR159b\_R5-20L20 | UUUCGAUUGAAGGGAGCUCC |
| cpa-miR160d | UGCCUGGCUCCCUGAAUGCCA |
| cpa-miR160f-3p | GCGUAUGAGGAGCCAUGCAUA |
| cpa-miR164e | UGCACGUGCUCCCCUUCUCCA |
| cpa-miR166d\_R1-21L21 | UCGGACCAGGCUUCAUUCCCGC |
| cpa-miR167c\_6C-T | UGAAGUUGCCAGCAUGAUCUU |
| cpa-miR408\_R2-20L21 | UGCACUGCCUCUUCCCUGGA |
| cpa-miR8136\_R17-1L21 | UUAAAUCCCAAUUCCACUUUAAAG |
| cpa-miR8138\_R1-15L22 | UUAAAGAUGGUAACAAGUGGGUUC |
| cpa-miR8142\_R7-21L24 | AUUCACAAGUAGACAGUAAAGAUC |
| cpa-miR8145\_R1-17L24 | AAUAAACAGAUAGAAUGAUUUGAU |
| cpa-miR8147\_R3-18L24 | AUGUUGAUACUUGAUGAAUUGCCA |
| cpa-miR8148\_R10-24L24 | AAACUUUCCUGCUGACGUGGCAUC |
| cpa-miR8150\_R5-19L24 | CAACACCUUCCUGAGUCAGAUGAU |
| cpa-miR8154\_R6-20L22 | AGAGGAGAUGAAGAGGACAAUGGG |
| cpa-miR8155\_R3-19L19 | ACCUGGCUCUGAUACCACUUGUAG |
| cre-miR1151b-3p\_R3-17L20 | AUGGUCGGGGUUGUGGGACCCG |
| cre-miR1153-3p.1\_R16-2L19 | AUCCUCCAUCGCAUUACAAUGCCC |
| cre-miR1157-3p\_R1-15L21 | AUUCAGGUAGCGGGACACGACUCG |
| cre-miR1159.2\_R7-21L21 | ACACUUGGACCAAUGGAGACGGAU |
| cre-miR1169-5p\_R1-15L22 | AAAAGAGGAUAUCCAGCAAGCAAC |
| cre-miR905-3p\_R7-21L21 | AAUACCAUAUCCAGGGACCCAACU |
| cre-miR908.2\_R21-7L22 | AAAAAUACAUCCUGCUAUCAAACU |
| cre-miR913-3p\_R21-7L21 | ACACCUCCUUGCACACCUGCGACG |
| crt-miR166b\_R1-22L22 | UCGGACCAGGCUUCAUUCCCUUCA |
| csi-miR1515\_R16-1L22 | AGGCCGUUGCACGCAAAAAUGAGA |
| csi-miR162-5p\_R15-1L22 | AGAAACUGGAACCGCUGCCUCCAA |
| csi-miR166d\_8A-G | UCGGACCGGGCUUCAUUCCCU |
| csi-miR393\_R1-21L22 | AUCCAAAGGGAUCGCAUUGAUU |
| csi-miR3946\_R24-10L24 | AAACACUUGUGCUCUCUUCUCUUC |
| csi-miR3948\_R20-6L24 | ACAACUACUCCCACUCCCAAAAAC |
| csi-miR3951\_R1-15L21 | UAGAUAAAGAUGAGACUCGAACCU |
| csi-miR3954\_R1-21L21 | UUGGACAGAGAAAUCACGGUCA |
| csi-miR396c\_R2-18L20 | CUCAAGAAAUCUGUGGGAGA |
| csi-miR472\_R2-18L21 | UUUCCCACACCUCCCAUACCGU |
| csi-miR477b\_R21-7L21 | AUGGAGAUAGAGAAGCCCUUGAGC |
| csi-miR482a-3p\_R1-19L22\_5C-T | UCUUUCCUAUGCCUCCCAUACC |
| csi-miR530a\_R1-21L21 | CUGCAUUUGCACCUGCACCUUG |
| csi-miR530b\_R1-19L21 | UGCAUUUGCACCUGCAUCUGA |
| csi-miR535\_R2-16L21 | AUCAUCGGACAAUGAGAGAGAGAA |
| csi-miR857\_R5-20L24 | AGUGGGAGAAUGUUGAAUGGUGGA |
| egu-miR172f\_R20-1L21 | UGCAGCAUCAUCAAGAUUCAC |
| far-miR1134\_R17-3L24 | UCUUGUUGUUGUUGUAGGGCC |
| far-miR437\_R4-18L21 | UUGAUGGCAUAGAGAAGUUUGAAG |
| ghr-miR156c\_R16-1L20 | GGCGGUCACUCUCUUCUGACAGUG |
| ghr-miR160\_R7-21L21 | AUUGUCCGAGCCAUGCAUGUAUGA |
| ghr-miR2949c\_R22-8L22 | ACUCGGCAAAUCCAGUUUUGGAAC |
| ghr-miR482b\_R3-22L22\_8T-A | UUGCCAACUCCACCCAUGCCGU |
| ghr-miR7485\_R24-10L24 | ACUUGACUCCAAGAAUUCAAAAAC |
| ghr-miR7491\_R1-15L24 | AUGUCAUCGUGGGAUCUUCGAGAG |
| ghr-miR7492c\_R1-15L23 | ACACCACUAUAGAACAUGAUCGGA |
| ghr-miR7494\_R8-22L23 | AGGACUAGUUUUAACAGGAUCGUU |
| ghr-miR7496b\_R3-17L24 | AUAGAAGGACCAAAUUGAUAGAUU |
| ghr-miR7499\_R24-8L24 | GUUGGCAACCGAAUUAACCGAAAU |
| ghr-miR7501\_R10-24L24 | AGUAAAAUCUGACACGAAAAAACG |
| ghr-miR7502\_R1-15L24 | UUUUUAACAGUAGAACCCUCCACU |
| ghr-miR7504a\_R4-24L24\_17C-A | AGGAAACUGUGAUUCAACGUCAUU |
| ghr-miR7504b\_R4-19L24 | AGGAAAAAUCUGAUUUUAGGGGGA |
| ghr-miR7505\_R18-4L21 | AUUUGAAGAAGGGAUGGUUUCU |
| ghr-miR7509\_R5-20L24 | AUCAAGCACUUUUUGACAGAUGUC |
| ghr-miR7513\_R16-2L21 | CACUAGACCCUGGUUCGAUUCCUGGCUGAUGC |
| gma-miR1507c-3p\_R3-17L20 | AAGUCAUUCCAAACAUCAAACAUU |
| gma-miR1510a-5p\_R23-9L24 | AUAUCAGUCAUUGUUUUACUAAGC |
| gma-miR1511\_R1-17L20 | CAAAAAUAACCAGGCUCUGAUACC |
| gma-miR1512a-5p\_R4-18L22 | CAACAGCUGAAAAUUCUUAAAAAU |
| gma-miR1512c\_R1-17L22 | AUAAUAACUGAACAUUCUUAGCGC |
| gma-miR1514b-3p\_R20-6L21 | AUAGACUUUCAUUUUAAAAUAAGU |
| gma-miR1514b-5p\_R17-3L21 | UCUAUUUUAAAAAUGUGUCGGACC |
| gma-miR1516a-3p\_R20-2L21\_6G-T | AAGAAUCAGUUGGACAAUCCAUAAGCUCUUUU |
| gma-miR1518\_R4-19L21 | AAAGAGUUGUAAAGUGAAUAUGCU |
| gma-miR1520c\_R15-1L23 | UUUGGAAUACACGUUCUUAUUGAA |
| gma-miR1520f-3p\_R19-1L24\_6T-G | AUGAUGUGGCAUGUUCUGAUUGAA |
| gma-miR1520h\_R22-6L24 | AAUGAUGUGUCACGUUCUGAUUGG |
| gma-miR1520k\_R19-5L24 | AACAUGUGUCAUGUUCUCCUGUGG |
| gma-miR1520m\_R20-2L24\_13G-C | CAUCACAUGUCAUCUUCUGAUC |
| gma-miR1520n\_R9-24L24 | ACUCACAACAUGACACGUGACAUG |
| gma-miR1520p\_R18-4L24 | AAGAGAAUCAUCCAAUAACAAAAA |
| gma-miR1520q\_R24-6L24\_10T-G | AAUGUGGCAUGUUCUGAUUGGAUA |
| gma-miR1521a\_R5-19L20 | AUAAUGGAAAAUGUUGGAGGCACC |
| gma-miR1521b\_R18-4L23 | ACACAUCUUAUGACACGUGACAUA |
| gma-miR1522\_R6-20L20 | AGUGCUUAAAAUGAAAUUGGAGUG |
| gma-miR1525\_R21-7L21 | AUUGGACCUACUAAAAACUUAAUU |
| gma-miR1529\_R17-3L23 | UUUACGGUUAAUUGUUUCCUUUGG |
| gma-miR1530\_R19-5L21 | AGUGUAGAGAUUUUAAUUUAUGUG |
| gma-miR1531-3p\_R7-23L23 | AAUAUGGGAAGACUUGUCCGACAU |
| gma-miR1531-5p\_R1-16L24 | ACCACUAAUAUGGACGAAGAGAUG |
| gma-miR1533\_R4-18L19 | AUAAAAAUAAUAAUGGACCAGAUC |
| gma-miR1536\_R15-1L21 | ACAGUCAUUUGUCUCUGCUUCAGA |
| gma-miR156ab\_R1-19L21\_6A-T | AAUUCAUUUAUGUGAUGGGAGCUC |
| gma-miR156g\_R2-20L20 | CAGAAGAUAGAGAGCACAGAUUU |
| gma-miR156s\_7A-G | UGACAGGAGAGAGUGAGCACU |
| gma-miR156t\_R6-20L21 | AUAAAGAGAAGAAAGGGAGCAAAG |
| gma-miR159d\_R1-19L21\_8T-G | AGCUGCUGAGCUAUGGAUC |
| gma-miR159e-5p\_R1-20L20 | UAGAGCUCCUUGAAGUCCAAUUUUUU |
| gma-miR159f-3p\_R2-20L21 | UUGGAGUGAAGGGAGCUCCC |
| gma-miR167h\_R21-1L24 | AGUAGUUGAAGCUGCCAGCAUGAUC |
| gma-miR167k\_R1-21L22\_14C-G | UGAAGCUGCCAGCGUGAUCUU |
| gma-miR169d\_R1-22L23 | UGAGCCAAGGAUGACUUGCCGG |
| gma-miR169l-3p\_R17-3L22 | UUCACAAAAACAACUUGCCUUGCU |
| gma-miR169s\_R1-16L21 | AAGCCAAGGAUGACUUUUUU |
| gma-miR171b-5p\_R23-9L23 | UUGAGCCGUACCAAUAUUUU |
| gma-miR171o-5p\_R20-5L21 | AUUGAACCGUACCAAUGCAAAUUU |
| gma-miR172e\_R1-22L24 | GGAAUCUUGAUGAUGCUGCAGC |
| gma-miR172k | UGAAUCUUGAUGAUGCUGCAU |
| gma-miR2108b\_R1-15L21 | AAUUAAUGUGUUGUGUUAGGCUGA |
| gma-miR2111d\_R3-18L21 | CUAGCCCUUGGGAUGCAGAUU |
| gma-miR319c\_R1-19L20 | UUGGACUGAAAGGAGCUCCC |
| gma-miR319l | UUGGACUGAAGGGAGCUCCUUC |
| gma-miR319n\_R1-15L21 | GAAAGGUUUGGACCGAAGGGAACC |
| gma-miR319p\_R3-19L21 | UUGGACUGAAGGGAGCUUUUU |
| gma-miR319q | UGGACUGAAGGGAGCUCCUUC |
| gma-miR393c-3p\_R1-21L21 | AUCAUGCUAUCCCUUUGGAUUU |
| gma-miR393k\_14G-A | UUCCAAAGGGAUCACAUUGAUC |
| gma-miR395g\_R1-21L21 | CUGAAGUGUUUGGGGGAACUUU |
| gma-miR396d\_R1-18L24 | AAGAAAGCUGUGGGAGAAGAUGAC |
| gma-miR396e | UUCCACAGCUUUCUUGAACUGU |
| gma-miR396g\_R16-2L21 | AAAAGGAGAUAAGAAGUUCAAGAC |
| gma-miR396j\_R19-2L21 | UUCCACAGCUAUCUUGAACUG |
| gma-miR396k-3p\_R2-20L21 | CUCAAGAAAGCUGUGGGAGU |
| gma-miR398d | UGUGUUCUCAGGUCGCCCCUG |
| gma-miR403b\_R1-20L21 | UUAGAUUCACGCACAAACUUUU |
| gma-miR408c-5p\_R3-18L21 | AAGAUGGGGAACAGGCAGAGC |
| gma-miR4341\_R19-5L24 | CUGUCAAUGUUAAACUUUCAAUAU |
| gma-miR4342\_R10-24L24 | GCAAAAAGAAUGUAGGAUGGUGAU |
| gma-miR4343b\_R7-21L24 | AAGACCGUAGAUCAAGUUGAUUCU |
| gma-miR4346\_R17-2L24 | UUCUCGUUUGGUCUUUUGGUA |
| gma-miR4348a\_R21-6L22 | AUCAUGUCACCAUCUUACACCAUG |
| gma-miR4348b\_R1-15L21 | AACCUGUUUCUUUUGAAUUUGACA |
| gma-miR4348c\_R20-6L21 | AGAGUCAUCUUGCAAGUUGCAACU |
| gma-miR4349\_R8-22L24 | AGAUAGAGAUAAGACAAAAGAGAA |
| gma-miR4350\_R15-1L22 | AGCACCCACAAAAUCAUUUGAGAA |
| gma-miR4352b\_R2-17L24 | AGAACUUGAAAAUGUAGACAUUCU |
| gma-miR4354\_R2-17L22 | AAUUGGAUCGGUCCAAGGAGCGCU |
| gma-miR4357\_R2-16L24 | AAGAGUCGUGUGAUUGUAUGGAUA |
| gma-miR4364a\_R4-18L24 | GCUACCCAGAGAUCGCACGGAAGG |
| gma-miR4371a\_R22-8L24 | AGGUACAGUUUCGCUUGUCAUGUC |
| gma-miR4372b\_R19-5L22 | AAACAUGUCACGAUUUUUAGAAAU |
| gma-miR4378b\_R3-17L24 | AUUGAACUGUCUUAGAAUUGUCCC |
| gma-miR4382\_R22-7L22 | AGUAGAUCCAUGAAAUCAGUUUCA |
| gma-miR4383\_R15-1L24 | AUCACGUAACUGAGAUCCAAUACG |
| gma-miR4385\_R7-21L24 | UUGUAGAAAAGUGAUUAGUGCACC |
| gma-miR4387a\_R9-24L24 | UUGGCCCUGUGAUGACGUGACACU |
| gma-miR4388\_R6-20L24 | AUAAUAGGGACCAAAUUGAUAACU |
| gma-miR4391\_R21-7L24 | AUGGCUUCUUAGUUCUUUGGAAUU |
| gma-miR4392\_R7-22L22 | AGGAAAAAUGUGAUUUCGGACCCU |
| gma-miR4393b\_R9-23L24 | AAAUUAUUUUGGACAGCAGAGAAGC |
| gma-miR4399\_R3-17L22 | AACGAAAAAGGACUAGUGCUUGGU |
| gma-miR4400\_R23-7L24 | ACGAACGUCUUCCAGAAUUUUGUU |
| gma-miR4401a\_R9-23L24 | UUUUGAAAGUAGGCAUAACGGUA |
| gma-miR4408\_R16-2L24 | AUCAUCCAAUGUUGUUCAGUAGUA |
| gma-miR4409\_R5-19L22 | CAAAAAGUGGGUUUGUUGAAGAUC |
| gma-miR4415a-5p\_R2-20L21\_8G-T | AGUUGUUAUGAGAAUCAAUUGAAGU |
| gma-miR4415b-5p\_R18-4L24 | UGGUUAUGAUUCCCAUCACAA |
| gma-miR482c-5p\_R2-16L23 | AUUCUUUGUGGGAAUGGGCAGCAACG |
| gma-miR482d-3p\_R4-22L22\_8T-A | AUCCCAACACCUCCCAUACCGU |
| gma-miR4992\_R21-7L22 | AAUAUCUGAUAACAAAAACCAUCU |
| gma-miR4995\_R6-21L21 | GUGGCUUGGUUAAGGGAACCCACCGGA |
| gma-miR4996\_R19-1L20\_6A-C | AGAACCUGGGGAGCUUCUAUCUGU |
| gma-miR5030\_R1-17L22 | UGUGACUGAGAGAACAAUUUGUGUUUUUUGAAG |
| gma-miR5034\_R20-2L22\_16G-C | AAGACUAUCUGAAAGCGUACGAGU |
| gma-miR5035-5p\_R20-5L22 | UAGGGAAAAAAUGUUUAACUCAUU |
| gma-miR5038b\_R2-18L21 | AGAGAAUUUGGCCUCUGUAACAUU |
| gma-miR5041-5p\_R15-1L21 | AAGUUGAAGAUGAAAUUUGUGAUU |
| gma-miR5042-5p\_R21-7L22 | AUGGGGCUGUGAUCCUUUCGGCUG |
| gma-miR5368\_R1-19L19 | GGCCAAGGGACAGUCUCAGGUAGACA |
| gma-miR5370\_R18-4L21 | GGUUAAGGAUCUUUUGGACAAUCUU |
| gma-miR5374-3p\_R15-1L21 | AAUCUGACAUUUGAAUUCUUU |
| gma-miR5379\_R24-10L24 | UUAUCCGGAUAUCAUAAUGAAUC |
| gma-miR5380b\_R6-20L24 | GAGGUGAAUGAUGAGGAUGAUG |
| gma-miR5380c\_R15-1L21 | AUCUUCACCAUUCAUCAAUCUUGA |
| gma-miR5670b\_R4-18L22 | AUAGUAUCAUACCAUAUUUGGCGC |
| gma-miR5678\_R18-4L21 | AAAGAUCUUAUCAUGAACUGUGUU |
| gma-miR5679\_R1-15L22 | GUUGUGAUUUGGUGACCCAGAAGU |
| gma-miR5775\_R3-17L21 | AAGCUCUUUUGAGAGAAGUUAGG |
| gma-miR5779\_R17-2L24 | AAGCUCUUCCUACUUUGGACUUUU |
| gma-miR5780c\_R3-17L22 | AUAUUUUAUAAUAUAUCAGGGACC |
| gma-miR5780d\_R7-21L22 | AAAUAACGAGAGUUUCUGAUAAAU |
| gma-miR6299\_R2-17L22 | ACCGUGUCUUUAAAAUUAUUGAUU |
| gma-miR6300\_R1-18L18 | GUCGUUGUAGUAUAGUGGUGAGUAUUCC |
| gma-miR862a\_R8-22L22 | AGGUUUGUCUUUGAAGGAAUAGAU |
| gma-miR9722\_R20-5L21 | CUCAUCUUCUUCCCUCUGGUAUGAGCUGAGCU |
| gma-miR9728\_R17-3L21 | AUUGAUCUUGUUUCAGUUCUGACU |
| gma-miR9729\_R2-16L24 | AUGAAUUAAUGAGUAGAAACACGC |
| gma-miR9734\_R5-19L24 | AGUGAAUGAGAAUGAGAUUUGUGU |
| gma-miR9738\_R16-1L22 | AAUCCACAUCAUGUUUCAACUUUG |
| gma-miR9739\_R15-1L21 | AAUCUGGACAUUCAAACUUUAAUU |
| gma-miR9742\_R15-1L21 | AAAAAACAAACAACACAGGCGGUG |
| gma-miR9743\_R6-20L24 | AUCAUUGUGCUUUGAAGAAAACUU |
| gma-miR9745\_R2-17L24 | UUUCGAAUUAAAUUUGGACCC |
| gma-miR9746i\_R5-19L24 | AUUGUUUGAAUUUCAAUGAUCUGA |
| gma-miR9751\_R9-24L24 | AAACCUAAACCCUAAACCCUAAAC |
| gma-miR9752\_R21-7L21 | UAAAAAAACAGGGAAAAGAACACU |
| gma-miR9753\_R3-17L24 | AUCAUAAUUUGGGACUUAGGAGCC |
| gma-miR9761\_R21-7L21 | ACAAAAUAUCCUAGAUGACGCUAU |
| gma-miR9762\_R1-15L21 | AUUCAAGUACAGAUCUUUGGAAUC |
| gma-miR9764\_R18-4L21 | AAAGUAAGAGUGUAUUGAGCAAUC |
| gma-miR9765\_R4-18L22 | AACUGGGCUACAGAAUUCGGAGAG |
| gra-miR164a\_R19-4L21 | AUCCUGGAGAGCCAAGGCACC |
| gra-miR166d\_R4-21L21 | UGGUGGGAAUGUUGUUUGGCUC |
| gra-miR167b\_5A-G | UCAGGUCAUCUUGCAGCUUCA |
| gra-miR172b\_R18-1L21 | GGAAUCUUGAUAAUGCUGCAG |
| gra-miR399\_R3-17L22 | AAGCACCUCUCACUUAGAGUCUGG |
| gra-miR477\_R7-21L21 | CUUGGAAGAGAGUAAUUAUUUGGA |
| gra-miR482\_R17-3L22 | GCGGAAGGGAGGAAUUGGAAACU |
| gra-miR482c\_R20-6L22 | CCGGAAUUGGAGGUUUUCUGAAUU |
| gra-miR5741\_R21-7L21 | AUACCAAUUUAGUCCUUCUGUGAG |
| gra-miR7484c\_R19-4L20 | AAAAUGCAAUUCGACUGAAAAGGU |
| gra-miR7484g\_R3-17L24 | AUACUUAUAUGUUAGAUCGAGACA |
| gra-miR7484m\_R3-17L21 | AAAUCCCUGUAUGUUAGAUCGAGA |
| gra-miR7486e\_R18-4L24 | AGAGAAUAUUCCACGUCAGCAAGA |
| gra-miR7486i\_R2-16L23 | ACUGACGUGGAAGGAAUAUGCACU |
| gra-miR7492d\_R9-24L24 | AGGAUUUUUUGCGGCGUUCUCGUC |
| gra-miR7492m\_R7-22L24 | ACUGAGAUAACAUGACCUUUAGCA |
| gra-miR7494b\_R1-21L23\_12C-A | GAGAGGGAGAAGAAGAAGAGAAG |
| gra-miR7494c\_R15-1L24 | CGCGGUUCUGUUUUCCUCCAUAGGGGAAC |
| gra-miR7502c\_R19-4L21 | UUUGGAUGAAACUUUUAAAGAU |
| gra-miR7502d\_R1-15L24 | ACUUUUAACAGUAGAAGAAGAGAA |
| gra-miR7503b\_R6-20L24 | AAUUUAAUGGUUGAACAUGUUUGA |
| gra-miR7504c\_R4-18L24 | AUCUCAGAAAAAAUCGGAUUACGA |
| gra-miR7504f\_R7-21L24 | AUAAAAAAUCUGAUUUGCCCUUGA |
| gra-miR7504h\_R6-21L24 | GAAUAAGUCUGAUUUGCCUCGAGA |
| gra-miR7504j\_R3-17L21 | AUGAAACUGAGAUACACACUAAAG |
| gra-miR7504m\_R15-1L24 | AAAAAUCAGGAGAAAAACCACGGC |
| gra-miR7504n\_R5-23L24\_10T-A | AUCUAAAAAUACUGAUGUGGCACU |
| gra-miR7584e\_R6-21L21 | AUUUAGAUUGUAUUUUAUGGAUUU |
| gra-miR827b\_R21-7L21 | AAUUAGAGCUUAGAUGACCAUAGU |
| gra-miR8637\_R19-5L24 | AUCCGUCUACUCUCAAUACAGGGA |
| gra-miR8639e\_R9-23L24 | AAUCAAGAGUAGAAUUAAACAAUU |
| gra-miR8642\_R3-19L24 | AUUAUCAAAACAGGAACGAAGUCC |
| gra-miR8646\_R2-17L21 | AGUGAGGAUGGGAAAUGAUGAUGU |
| gra-miR8649\_R9-24L24 | ACGAGACGAAGUGGAUCUCUCUC |
| gra-miR8650\_R4-18L24 | AGCCCUAGGGAAGGACAAAAUGCC |
| gra-miR8657b\_R24-10L24 | CCAUCCCUGAACUUCUACAUGAGC |
| gra-miR8659b\_R17-3L24 | AGGAGAGAACAACCUUAAAAAAGG |
| gra-miR8660\_R4-18L23 | AAAAAUUAAAUGGAGAGGACACC |
| gra-miR8661\_R16-2L21 | UAGCGACGAAGAAUGAAAAAGUAAUAA |
| gra-miR8663a\_R3-17L24 | AACAAAGUGAACUUGGCAACUUCU |
| gra-miR8663b\_R8-22L23 | AAACUGAACUUGGCAAUUUCACCC |
| gra-miR8665\_R19-5L24 | ACCGUCUGAUCUAUAUAAUAACGA |
| gra-miR8666\_R2-16L21 | ACUGGUGAUCAUAAGUAAGAGUCU |
| gra-miR8672\_R3-21L24\_8A-T | AGAUUGAGAAUUGAUUGUAUGAAA |
| gra-miR8675a\_R21-7L24 | GUUUCAUUGUAGCAGGUCAUGAGG |
| gra-miR8675c\_R5-19L24 | AGAUGAUGUGGUACAACUCGAACU |
| gra-miR8681\_R2-16L22 | AAGUUUGGCAUUGUUGAGGGUCUGAUGACC |
| gra-miR8683\_R8-24L24 | AUAACACAUUUAGAUAAUCGGGUU |
| gra-miR8684\_R17-2L21 | AAGUAAACCAGUCAUUCGUGCUCU |
| gra-miR8685\_R19-5L24 | UGUGGAAUCUUUGAAGUGUCUUCU |
| gra-miR8688\_R23-9L24 | AACCAUCGGAUGAGUUUUAUAAAG |
| gra-miR8690\_R5-19L24 | AAUGUUCUCUGACUACUUCGUAAC |
| gra-miR8693\_R2-16L24 | AUGGGGAUGAAAAUAUUGAGAAGU |
| gra-miR8696\_R10-24L24 | AUAGUGUGGGAACGACUGCAAGUU |
| gra-miR8697\_R3-17L24 | GGAGAGGAAAUUGAUUCAAGAACG |
| gra-miR8698\_R21-7L24 | AUUCCGUUAAAGUUAAUUCUGCUU |
| gra-miR8706b\_R3-21L24\_7A-C | AUAUUUUCGGAUUGAUUUGAUGUG |
| gra-miR8707\_R10-24L24 | AGAGAGGACUUUGAAUAAUUCAGU |
| gra-miR8709a\_R23-1L24\_10T-C | UAAGUUCAUGCAUAGUUUUAAUAUC |
| gra-miR8709b\_R9-23L24 | AAUUUUGAGAUUUGUGUGAACUGC |
| gra-miR8714\_R6-20L21 | AUUCCGAAAUGAAAGUAGAUAUUC |
| gra-miR8722\_R16-2L22 | AUGGUCAGACUGGAACAGGAAAAACAUACACAA |
| gra-miR8726\_R3-17L21 | AUGGAGUCUGGAGACGAGUUUAUC |
| gra-miR8730\_R3-18L24 | AAGAGAUUGGGAUUUGAUGAAGGA |
| gra-miR8731\_R15-1L21 | AAUGGGAAAUCGACUGUUUAUAGU |
| gra-miR8733\_R17-3L21 | GAUGCACUUCCAAGCGCGAACACU |
| gra-miR8734\_R16-2L24 | CGUACGAGAUAUGAUAGAGGU |
| gra-miR8737\_R2-17L24 | GUAUUGUAUCUCCUGAAAACUCGU |
| gra-miR8738b\_R8-22L23 | UUAACGGUCAACGGUAACGGCAGG |
| gra-miR8739\_R19-4L24 | AUACUGACGUGUCACUAUUUAGAU |
| gra-miR8741\_R3-18L21 | ACACCCGUGCACUGAAGAUGAUGA |
| gra-miR8742b\_R5-19L21 | AUUAUUCAUCUUGGACCCCAGAUU |
| gra-miR8743e\_R4-19L24 | AGACCCGGAAAAGUUACAAAAUGU |
| gra-miR8746\_R1-17L21 | AUUUCCAUAUUUCACUAUCUAAUA |
| gra-miR8747\_R3-17L24 | AGUUGACUCCAGUUGUAGUUGGUA |
| gra-miR8748\_R6-24L24\_12G-T | AGAAAGGAGAUUGAUAAAAUGAAU |
| gra-miR8751b\_R5-20L24 | AGAAUUGAUUUGUAGAGAGAUAAG |
| gra-miR8752\_R3-19L21 | UUAUGGAGAUAGGUAUCUGGGCC |
| gra-miR8754\_R4-18L24 | UAUACGCCUGACACACUGAAGCAU |
| gra-miR8756\_R17-3L24 | AAAAUUUUAACAGUCAAACCUGAC |
| gra-miR8758\_R10-24L24 | GACUGCAAGAUGAAGGUAUGAGAU |
| gra-miR8762c\_R8-22L24 | AACCUUGUUAACUUUGUUGGGCGC |
| gra-miR8762d\_R20-6L24 | ACGAGUAACACAUCAUCAAAGUUU |
| gra-miR8766\_R24-10L24 | AUACGACUUUUCUAAUUUUGCUCC |
| gra-miR8767b\_R5-21L21 | UAGCACUCUGCCAAGCAAUUGAUUUG |
| gra-miR8767c\_R4-18L21 | AUCAACUCUGCCAAGCUAUGACCC |
| gra-miR8769\_R15-1L24 | ACCGGUCAAAGUUCAAAACGAGAA |
| gra-miR8770\_R18-3L24 | GCUUCUUGAUUUCUUACCACCAUC |
| gra-miR8771e\_R3-17L24 | AGAGUAUUCCAUUUAAAACACAUU |
| gra-miR8771f\_R23-8L23 | AAUAAAUGCUAACUUGGACAAAGU |
| gra-miR8774\_R16-1L24 | AUGAAUCAAAAUCCAAAUCGGUGA |
| gra-miR8777\_R1-19L20\_13G-A | GAUUUCCAAUAGAAAAAUGACUCU |
| gra-miR8778\_R6-24L24\_10T-A | AUAUAAGGGUUUGAACUUUGGUGGC |
| gra-miR8781a\_R16-2L24 | AUCCAAUCUAAAUAAUUCAAUCAU |
| gra-miR8781b\_R19-5L24 | AAUCUCAAACUUCCUAAUUCCAGU |
| gra-miR8783\_R21-7L21 | AUAGAUAUCUCCCGCCACGAAAUC |
| gra-miR8785\_R7-21L21 | AGCAGCUACAUCCAUUGACAAACC |
| han-miR3630-5p\_R7-21L22 | GUAGAUGAUAGACCAGACUAUGGC |
| hbr-miR159b\_R1-20L21\_12A-T | CUUGCAUAUCUCUGGAGCUUC |
| hbr-miR396a\_R1-20L21 | CCACAGCUUUCUUGAACUUUC |
| hbr-miR398\_R3-21L21 | AGCGACCUGAGAUCACAUGUGGCCUUACCGUC |
| hbr-miR408a\_R1-21L22\_6T-G | AAGACGGGGAACAGGCAGAGC |
| hbr-miR476\_R20-6L20 | UUAAGAAGUUGGACUUUGCAAAGAAGCA |
| hbr-miR482b\_R21-7L21 | CCUCUUUCCCAAACCGCAUAGU |
| hbr-miR6166\_R15-1L23 | ACUGUCAUCCCGUUAUCCAAUUCU |
| hbr-miR6168\_R15-1L21 | AAUCUCCACCGCACCAAGAACUCA |
| hbr-miR6169\_R20-6L21 | AAUUCACCCGAGAGAAAAGAGAAA |
| hbr-miR6170\_R16-2L21 | AAUUCUCUUCUGUUUCUUUUUGCU |
| hbr-miR6171\_R2-16L21 | UAUUUGUGGAUUGCUGAAGA |
| hbr-miR6173\_R6-20L20 | UAAACGAUGGAUACUAGGCGC |
| hbr-miR6174\_R6-20L21 | AUCAAGCUGUCAGACUUUUUCGGA |
| hbr-miR6482\_R3-22L22\_11T-C | CCGGAACUGGCAUCAACCCAGC |
| hbr-miR6483\_R2-22L22\_17A-G | AUUGUAGAAAUUUUCGGGAUCAAC |
| hvu-miR156b | UGACAGAAGAGAGUGAGCACA |
| hvu-miR5049a\_R20-6L21 | AUGUCCAACAACAAGUAUUAUUCU |
| hvu-miR5049c\_R3-17L23 | ACAAUUAUUUUGGGAUUUGGGAGA |
| hvu-miR6178\_R3-17L22 | AACCGGAACUGGGCGGUUCAGUUC |
| hvu-miR6183\_R7-21L22 | AAUAACUAGUUGGCUGCAAGUUGU |
| hvu-miR6188\_R19-5L22 | AGAACCGGGUUCAUCGAUCGAAGA |
| hvu-miR6190\_R1-15L21 | AUACGAGGAAAGGAAGAAC |
| hvu-miR6196\_R7-21L21 | AGGAGAUGGAGAGGACAAUGGGGA |
| hvu-miR6197\_R15-1L21 | AUCACAUUUAGGAACAGAAGAAUA |
| hvu-miR6199\_R23-9L23 | UACCAUCACUGUGAGAACUAUAUC |
| hvu-miR6202\_R18-3L20 | AUCCAAUGCUUAAAAUCUUUACUU |
| hvu-miR6204\_R21-7L22 | AUGACACAGCUCUAAUUAUGAACU |
| lja-miR1507b\_R17-3L21 | GAUGUAUGGAUGGAAUUAGAAGC |
| lja-miR171d-5p | UUGAGCCGCGCCAAUAUCACU |
| lja-miR7519\_R15-1L22 | UUUGGCAUCUUGGUAACACUUAGAAAAUUUGC |
| lja-miR7520\_R7-21L21 | AUUUUGCUCGAAGGUGAUGACAUC |
| lja-miR7528\_R4-22L22\_18A-G | AAAAUGCUAAUCUGAGGCUU |
| lja-miR7531\_R18-4L21 | AUGCCUUGGAAUGAAAGAAAAC |
| lja-miR7538\_R20-6L20 | AAAAUUGACAGCAAGCUCUCCUACU |
| lja-miR7539\_R17-3L21 | AUAUUGUGUGUCGCUCUCUCUCUC |
| lja-miR7540b\_R3-19L20 | AUAAUAUGAUAAGUGAUGUGGUGU |
| lja-miR7541\_R20-6L21 | AGAGAAUUCGGCCACCAAAAGAGA |
| lus-miR159b\_R1-21L21 | UUUGGAUUGAAGGGAGCUCUCUUC |
| lus-miR159c\_R1-21L21 | UUUGGAUUGAAGGGAGCUCUUA |
| lus-miR160g\_R1-19L21 | UCUGCCUGGCUCCCUGGAUGC |
| lus-miR166b\_R1-20L21 | UCGGACCAGGCUUCAUCCCCU |
| lus-miR166k\_R6-22L22 | CCAGGCUUCAUUCCCCCCAACU |
| lus-miR167a | UGAAGCUGCCAGCAUGAUCUC |
| lus-miR171d | AGAUAUUGGUGCGGUUCAAUC |
| lus-miR395e\_R1-19L21 | UACUGAAGUGUUUGGAGGAAC |
| lus-miR396d\_R3-20L21 | UUCCACAGCUUUAUUGAACUU |
| lus-miR828a\_R22-2L22 | AUCUGGAACACUCAUUUGAGCAAG |
| mdm-miR1511\_R21-7L21 | AUUCUUCAUGGUAUCAGAGAGUCU |
| mdm-miR156s | CUGACAGAAGAUAGAGAGCAC |
| mdm-miR156w\_R1-21L21 | UUGACAGAAGAGAGAGAGCACU |
| mdm-miR169f\_R8-22L22 | AAGAGCGUUGUUUGGCUGGGUAGA |
| mdm-miR171b\_R1-21L21 | UUGAGCCGCGUCAAUAUCUCCU |
| mdm-miR393f\_R1-15L21 | AUCAUGCGAUCCCUUAGGAAUU |
| mdm-miR396a\_R20-2L21\_13G-A | UGUUCAAGAAAACUGUGGAUGAU |
| mdm-miR482a-5p\_R1-21L22\_9G-A | UAGGAAUGGACUGUUUGGGAAG |
| mdm-miR482b\_R6-20L22 | GAAACCUAUCCCUCCCAUUGACUU |
| mdm-miR5225b\_R22-8L22 | CAGCACCAUCUCACCUUAUGG |
| mdm-miR535c\_R4-21L21 | CAAGGAGAGAGAGCACGCUUGU |
| mdm-miR7120b\_R5-19L21 | AUAUUGUCAGAUUGUAUAAACGUC |
| mdm-miR7122b\_R6-21L22 | UUGGGCAGAGAAAUCACGGUC |
| mdm-miR7124b\_R18-4L21 | AUAAAGUUGAUAUUGAAUUCUGGG |
| mdm-miR858\_R5-21L21 | UCUCAUUGUCUGUUCGACCUGA |
| mes-miR159d\_R3-18L21 | CCCAUGGAGUGAAGGGAGCUUACUGCUUGCUU |
| mes-miR160c\_6G-A | UGCCUAGCUCCCUGUAUGCCG |
| mes-miR160h\_R1-22L23 | UGCCUGGCUCCCUGUAUGCCAU |
| mes-miR166h\_R6-22L22 | CCAGGCUUCAUUCCCGUCAAC |
| mes-miR166i | UUGGACCAGGCUUCAUUCCCC |
| mes-miR2275\_R6-22L22 | UUUAAUUUCCUCCAAUAUCUUA |
| mes-miR319h\_R1-15L21 | CUUGGACUGAAGGGA |
| mes-miR393d | UCCAAAGGGAUCGCAUUGAUCU |
| mes-miR394c\_R1-21L22 | UUGGCAUUCUGUCCACCUCCA |
| mes-miR399f\_R1-21L21 | UGCCAAAGGAGAGUUGCCCUGU |
| mes-miR477e\_R2-20L20 | AUUCUCCCUCAAGGGCUUCUGA |
| mes-miR477g\_R19-5L20 | UGACUGGGAAGCCUUUGAGGG |
| mes-miR477i\_R1-20L21\_6C-T | CACUCUUCCUCAAGGGCUUCC |
| mes-miR482\_R1-19L22 | UCUUCCCUACUCCACCCAUGCC |
| mes-miR530b | UGCAUUUGCACCUGCACCUU |
| mes-miR828b\_R7-22L22 | UCAAAUGAGUAUUCCACAAUCU |
| mtr-miR1507-3p\_R21-7L22 | UUUUAGAUGAUGUAUGGACCA |
| mtr-miR1510a-3p\_R4-18L21 | AGGAUUAGGUAAAACCCGUAUAUU |
| mtr-miR156b-3p\_R15-1L22 | AUAUACCGAUAGAGAGUGAGCAUC |
| mtr-miR156g-3p\_R3-17L21 | AGAUCUCUAGACUUCUGUUUGACC |
| mtr-miR156h-3p\_R3-17L21 | AAAGUCUGAUCUUUAUUCUUCUGU |
| mtr-miR166b\_R1-21L21 | UCGGACCAGGCUUCAUUCCUAU |
| mtr-miR166d\_R1-16L21 | UCGGGCCAGGCUUCAUUUUU |
| mtr-miR167b-3p\_R5-20L20 | AGAUUAAUAUGUUGGAGCUUCACC |
| mtr-miR168a\_R3-21L21 | UCGCUUGGUGCUGGUCGGGAA |
| mtr-miR169l-3p\_R4-20L22 | AAGUUUUUCCUUGGCUACAUUGGG |
| mtr-miR171a\_R4-20L21 | UUGAGUCGUGCCAAUAUUUU |
| mtr-miR171c\_R4-21L21 | UUGAGCCGUGCCAAUAUUUU |
| mtr-miR172c-5p\_R2-21L21 | UAGCAUCAUCAAGAUUCACAUUU |
| mtr-miR2089-3p\_R2-16L22 | UGCGGAUUGGUGUAAUAGUAACAUAACU |
| mtr-miR2089-5p\_R20-2L22\_9G-T | AGGAAUUGUUGGAAUAGGUAGGGG |
| mtr-miR2586a\_R19-5L21 | CUAGGAAGCACGGACACUCAAAAC |
| mtr-miR2590g\_R6-20L24 | AACAAAGACUGAAAUCUAAAACCU |
| mtr-miR2590j\_R3-18L24 | AUGGAAAAUGACAUGGCAGAAUGG |
| mtr-miR2592bl-3p\_R5-19L21 | CACUGUGAAUUCAAACUUGUUAU |
| mtr-miR2592bl-5p\_R1-16L22 | AAACAGUUGGCAAGUUUGAAUUUU |
| mtr-miR2593c\_R5-19L21 | AUGAAUGAACCUAGAUAACGAACC |
| mtr-miR2593d\_R18-4L24 | GAAAUUCAAUCAAUGAUGGACGGU |
| mtr-miR2595\_R17-3L21 | CUGUAAUAAAGAAGAAAAUGACCC |
| mtr-miR2596\_R17-3L21 | CCACACUGGAACAAUGAAAUAAAG |
| mtr-miR2599\_R7-21L21 | AUGACCAAGGAAUCUACUUUUACU |
| mtr-miR2603\_R1-15L22 | CGUAUUUGGUAUUGGUCCCAU |
| mtr-miR2606c\_R6-20L24 | AUACACCACAGAACCAUACAAAAA |
| mtr-miR2607\_R20-6L21 | AUAUUGGCCACUUAUCACAUAAUU |
| mtr-miR2610b\_R4-18L21 | AAUUUUGAGACUUGUAUGGACUGC |
| mtr-miR2616\_R16-2L22 | AGGGCCGAACCAAACCCAACGGUU |
| mtr-miR2619b-5p\_R5-19L21 | ACCGGCCGUUUUGAUUCUUUGGAACAACU |
| mtr-miR2621\_R3-17L22 | AUCUUGGGCUAGGAAUUCAUCAAG |
| mtr-miR2627\_R1-15L22 | GCUUUCGGUAGUUAACUUAGUGAU |
| mtr-miR2628\_R6-20L20 | CAAGAAUGAUGAGUAAUAAAUAUU |
| mtr-miR2634\_R15-1L21 | ACCAAACUGAGAAUAAAGUGAACC |
| mtr-miR2635\_R2-16L20 | AACAUUUAUUGUCAACGUGAUAAA |
| mtr-miR2637\_R1-18L21 | AAUAAAUACUUCCUCUGAUCAAUU |
| mtr-miR2642\_R6-21L21 | UAUUUCAUCAAAUCAUGUCGGCCC |
| mtr-miR2644\_R18-4L21 | AAUCUCCACCAUCAAUCUGAAAAGA |
| mtr-miR2645\_R20-6L21 | GUAAGUGUAUAUGCUCAUCUCUGU |
| mtr-miR2653d\_R19-5L21 | AGCACAUGUUCACAGCAGCUGACA |
| mtr-miR2661\_R2-16L21 | UUUGAAGAGGUUUGAGAAAAUGAU |
| mtr-miR2662\_R6-20L21 | AAAAUGUGAACCGAAAUGAGAACC |
| mtr-miR2665\_R20-2L21\_13C-A | AACGCCAAUUCUUGACAUGAAAUC |
| mtr-miR2669b\_R7-22L22 | AACAGUCUUCAUAGUAUCUAUUGG |
| mtr-miR2670d\_R16-2L21 | GAGAACCUGUGAGCAACCUUCUUU |
| mtr-miR2670e\_R19-5L21 | AUCUUCUCUGUGAUCCGUCCUGUU |
| mtr-miR2670g\_R1-16L21 | AAACAGUGGUCUGUUAGGUUUUGA |
| mtr-miR2673b\_R17-2L22 | AUUACAGAGGAAGAGGAAGAGACU |
| mtr-miR2677\_R1-16L22 | AAAAACUUUAUUGAUAUUGCUAGC |
| mtr-miR319a-5p\_R1-16L21 | UUAAGAGAGCUUCCUUCAGUC |
| mtr-miR319c-3p\_R1-21L21 | CUUGGACUGAAGGGAGCUCCCA |
| mtr-miR319d-5p\_R15-1L21 | AUUACUGAAGAGAGCUCUCUGAGG |
| mtr-miR395b\_R4-18L21 | AAGUAUUUGGGGGAAUGACAGCGC |
| mtr-miR398a-5p\_R1-22L22\_11--C | GGAGUGACACCUGAGAACACAAGA |
| mtr-miR399t-5p\_R21-7L23 | CAUGUCUGCCAAUGGAGAACAGU |
| mtr-miR4414a-5p\_10C-G | AGCUGCUGAGUCGUUGGUUCA |
| mtr-miR4414b\_R2-17L21 | AGUGAAUGAUGCGGGAGACAAA |
| mtr-miR482-3p\_R20-6L21 | AGCAUGGGAGGUGUAGAUUCUAG |
| mtr-miR5037c\_R1-16L21 | AACCCUCAAAGGCUUCUUGGCACU |
| mtr-miR5204\_R6-21L21 | ACGGAUUAAGGUUUUGUAGGAACC |
| mtr-miR5206a\_R23-8L23 | UUGUAACCCACCAACAGGCACUUU |
| mtr-miR5208c\_R4-22L23\_11T-G | UAUUUGAAAUGGAUGGUGUGAGUUUGU |
| mtr-miR5212-3p\_R20-5L21 | ACGGUCUGGAUAUCUAUUUCCAUA |
| mtr-miR5214-3p\_R15-1L22 | AAUGGGUCUAGCUCUAUCAGGAUC |
| mtr-miR5214-5p\_R18-4L21 | UUGAGAUAAUUGUUAAUAGAGAGAG |
| mtr-miR5216b\_R3-17L22 | AGAAAAAGGAGUGAAAAACGGGGA |
| mtr-miR5219\_R19-5L22 | UUUGGUAGCAGCUGAGAUUCC |
| mtr-miR5221\_R1-19L22\_13G-A | AGGAGAGAUGGUAUUUUGAAUAUU |
| mtr-miR5222\_R1-16L22 | UUACAGGAGAAGAAUGAUUAUAUC |
| mtr-miR5227\_R15-1L22 | AAGGAUAUCUUCUUCUCUUCAACC |
| mtr-miR5230\_R2-16L21 | AAAUCUUGAAUCGAUCGUAAUAGU |
| mtr-miR5231\_R15-1L21 | GAAUAUCUACUUGCAUAACGAGAA |
| mtr-miR5233\_R15-1L21 | AAACUAUAACGGCCAUCCUCCUCC |
| mtr-miR5234\_R6-21L21 | UUGUGGAUGGCAGAAGGCCUC |
| mtr-miR5236e\_R2-21L21\_9G-T | AGAGAAUUUCUGGCAGAUUUGGUU |
| mtr-miR5238\_R6-20L21 | AAAAAACAAAGGGCAG |
| mtr-miR5244\_R21-2L21\_17G-C | ACUGACCAACAAUCUUCAUCAGAU |
| mtr-miR5252\_R1-15L21 | GCAUGAGAGCUCACUGAAAAGAG |
| mtr-miR5253\_R2-21L21\_8A-T | AUGAAAUUGAUUAUGUUGGAGAGA |
| mtr-miR5255\_R6-21L21 | AGUUGAUUCUGAUAGAGGACAUGGGGG |
| mtr-miR5257\_R4-18L21 | AGAACCCAGUAGAACCUUUUUUGG |
| mtr-miR5262\_R19-5L21 | GAUCCAAUUGAGUCUACUGAUAUU |
| mtr-miR5264\_R1-15L20 | CUUUGAUCAAGGACUUUCGAGCGAUAGG |
| mtr-miR5265\_R15-1L20 | AAUUCCAACAUCACUUUAGAUGAU |
| mtr-miR5266\_R1-15L20 | GUGAACUGGGGGACUGUCUGCACU |
| mtr-miR5268b\_R5-19L24 | AACAAAAGUGGAAUGAAGAUAACU |
| mtr-miR5269a\_R1-15L24 | AAAAGUGGUGGAACAUUGGUU |
| mtr-miR5270b\_R22-6L24 | UGUUGACCUAAAACUACUCCGCUC |
| mtr-miR5272e\_R6-20L24 | GUUGAAGAUUUAUGUUUGGAUUCGUAUCA |
| mtr-miR5272f\_R2-16L24 | AACAAUUGAUUAUGUUUGACUCUU |
| mtr-miR5277\_R23-5L24\_17A-T | GAGAUCCUUGCACUUCAUGAAACA |
| mtr-miR5279\_R20-6L24 | CCCGGAGUCAUCCGAGUGGGAAGAAUUCUUGU |
| mtr-miR5281f\_R17-3L24 | ACGGUCCUAUUUAUAAUAUA |
| mtr-miR5282\_R6-20L24 | AAAUUAGAGAGGGAUUGUAAUAAU |
| mtr-miR5284b\_R4-19L24 | ACUGUUGGAUCAAAAGUGGAAGUU |
| mtr-miR5284g\_R8-22L24 | AACAAAAGUGGAAGAAUUGAAGAA |
| mtr-miR5286b\_R8-22L24 | GGAGGCAAGGGACAGUUCAAUUUGACACU |
| mtr-miR5287a\_R20-4L24 | AGUUCCGGUCACUAAUAUAAUAUC |
| mtr-miR5287b\_R17-3L24 | CUUGGCUUGGAUCACUAUUAUAAG |
| mtr-miR5288\_R3-17L24 | CUUGGCAACGCAUUGAAGAACAUAUA |
| mtr-miR5289b\_R4-18L24 | AAAUAUUCUGGAAAACUGAAAACU |
| mtr-miR5290\_R1-15L24 | AUGUAAAUUUGGAGAGAGAUGGAU |
| mtr-miR5291c\_R6-20L24 | AUGGAUGGAUUGGAUCUCCUCAAA |
| mtr-miR5292b\_R23-9L24 | CAUGGCAUUCUUUGUUGCUAUCACC |
| mtr-miR5293\_R15-1L24 | CAGUUUUUUCCACUUCUUCAUC |
| mtr-miR5298a\_R8-23L24 | ACAAUGGAUAUGAAGAUGAAGAGU |
| mtr-miR5298c\_R2-20L24\_13T-G | GAUGGAGAUGAGAUGAAGACGAUC |
| mtr-miR5554c-3p\_R7-21L22 | UUUGGUGUUGCAGAUGCUCAUAUUCAAGG |
| mtr-miR5555-3p\_R21-7L21 | AUUGUCUAAGAGUGUAAUAUCGCU |
| mtr-miR5555-5p\_R18-3L21 | AUAGUCAUAUUAUACUCUGUGAUU |
| mtr-miR5558-3p\_R4-18L21 | AUUUAGAAUUAGAAAGAGGAUUGC |
| mtr-miR5558-5p\_R18-4L21 | AAUAAGACUUAGAAUUGGAGUAGU |
| mtr-miR5561-3p\_R18-4L21 | AAAGUUAGAAUUUAGAGAGAGAUA |
| mtr-miR5561-5p\_R18-4L21 | UCCCUCUAUGUCUCUCCAAGU |
| mtr-miR5741e\_R18-4L21 | AAUCCAUCAAUUUAGUCCUUCUGU |
| mtr-miR5745b\_R1-15L21 | AUUUAAUUUAUAUACAGCGGCCAU |
| mtr-miR5747\_R17-3L24 | AUCUGUAUGAGUAUUCUUAGAAGC |
| mtr-miR5748\_R1-15L21 | ACAAAGACAUUGGAAAAACUCUU |
| mtr-miR5749\_R19-5L22 | AAAAUAUUAUCAACCUGAAUGACU |
| mtr-miR5750\_R24-10L24 | AUGUCAAUUCUGAUCUCAUCAUCU |
| mtr-miR5751\_R16-1L21 | AGUGGCACAUCUGAUCAAAUCAAU |
| mtr-miR5752b\_R5-19L21 | AAUGGUUUGGUUUAGUACAUGAGA |
| mtr-miR5757\_R2-16L21 | GACCGUACAGAGAUUUGUUUAACC |
| mtr-miR5758\_R2-16L21 | AAGUUGGAAGAAUGUGAGGAU |
| mtr-miR5760\_R20-5L24 | AAACUGUAACAAAUAUCCUUAAUC |
| mtr-miR7696b-3p\_R5-20L21 | AUGCGCAUUAUGAGAACUUGAACC |
| mtr-miR7696d-5p\_R20-5L21 | AUAAAUGGUUUUGAAUUAUGAGAU |
| mtr-miR7697-5p\_R7-21L21 | AAUAUUUGAUCGGAGGUAUUCAUU |
| mtr-miR7698-5p\_R20-6L21 | ACUCUGUUACCAGAAAACUUUGAU |
| mtr-miR7700-5p\_R2-16L21 | GUUCCUUGGAGUGUGGGACAGAGU |
| nta-miR1446\_R3-21L22 | CUAAACUCUCUCCCUCAAUGGC |
| nta-miR156f\_R1-15L20 | AUCGUUGACAGAAGAGAAUGGGCC |
| nta-miR160d\_R3-17L21 | GUCACGAGCAACCUGGCUCCCUGCAUCCAGU |
| nta-miR167c | UGAAGCUGCCAGCAUGAUCUGG |
| nta-miR477a | ACUCUCCCUCAAGGGCUUCUG |
| nta-miR479b\_R21-6L22 | AUUGAAUGAGCCAAACAAAUAGUU |
| nta-miR482b-5p\_R1-15L21 | GGAGUGGGUGGAGUGGUGAUCUGGAAGUCA |
| nta-miR482c\_R4-18L22 | UUGCCAAUUCCACCCAUUUUU |
| nta-miR5303b\_R6-20L21 | GUGGCCGGAUACGUGAUGAAAGAC |
| nta-miR6019b\_R6-21L22 | AUGGAUCGUGACUUGUAAAUGUUA |
| nta-miR6020a-5p\_R20-5L21 | AUUACAAAGAUACUCGAAAAACUU |
| nta-miR6025e\_R20-4L22 | AUUUGUCAUCUCUAUAAUUGAAUC |
| nta-miR6144\_R20-6L21 | AUGGAUUGAGCAUGAUGAAGAAGU |
| nta-miR6145a\_R4-18L22 | CUUUCACAUGUAGCACCGCUUAUU |
| nta-miR6148b\_R19-5L21 | AUGACAAGAACAAACGAUUAAUCU |
| nta-miR6149b\_R6-20L21 | ACGCACCUGAAUCGGAUUAAAGAU |
| nta-miR6150\_R5-19L22 | AAUUGUUUGAUCGUCUUUCUUCGA |
| nta-miR6159\_R16-1L22 | GACUUAACGAGAAUUCUAUGCUAA |
| nta-miR6160\_R5-19L24 | AAUAUGGGCCAACUGUUACACGUU |
| nta-miR6161c\_R1-15L24 | UGUUGGGAUUGUGAAUAUACUGGAGUUC |
| nta-miR6162\_R16-2L21 | AGUGUUGGCUACCAUUUUUCGAUA |
| nta-miR6163\_R2-16L22 | UAACCGGAAGUACUGCCUAAUAUC |
| nta-miR6164b\_R5-19L21 | AUAAAUUGAAACGGAUCGGUUAGG |
| osa-miR1319a\_R5-19L24 | AGGCAUCUGUAAUAUAGUAUUAUA |
| osa-miR1320-3p\_R15-1L21 | ACCCGAAUGAAUUUUACAUCAGAA |
| osa-miR1424\_R5-20L21 | AGCUUACACUGAUGCUGAUUGGGG |
| osa-miR1425-3p\_R7-21L21 | AUCGGAACUGGAUCUUAAUAGGAA |
| osa-miR1426\_R7-21L21 | UUGAUGAUGAUUAAAGAAGGAGAU |
| osa-miR1428a-3p\_R7-21L21 | AAAAGCCGUGAAUUUGUAAAAACU |
| osa-miR1428d\_R5-20L21 | AUAAUGCCAUGAAUUCUUGAAACA |
| osa-miR1429-5p\_R18-4L21 | AUUUGUCACGGAUUAGUAUAUCGC |
| osa-miR1431\_R2-16L21 | GUUGCGAGUUGGCCCGUGCAACCU |
| osa-miR1438\_R17-3L22 | AAUGAUAAAAUUACCUGGACUUGG |
| osa-miR1439\_R16-2L21 | UUCACUCCGUUCCAAAUUAGUAUU |
| osa-miR1442\_R20-6L20 | AUUUGGACACAUCUAGUACUAGUG |
| osa-miR159f | CUUGGAUUGAAGGGAGCUCUA |
| osa-miR162b | UCGAUAAGCCUCUGCAUCCAG |
| osa-miR166e-3p\_R1-20L21 | UCGAACCAGGCUUCAUUCCCU |
| osa-miR166g-5p\_R3-21L21\_14C-T | AAUCCUGGAGGCUGAUUCAAGAUC |
| osa-miR166i-3p\_R1-19L21 | UCGGAUCAGGCUUCAUUCCCU |
| osa-miR166i-5p\_R1-21L21\_5C-A | AAUGAAGUUUGAUCCAAGAUCU |
| osa-miR169f.2\_R4-18L21 | AAUCCUAUUGGACAAGAGCUGAUU |
| osa-miR169p\_R16-2L22 | AGUUUGUCCUUGGCUUGAAGAACC |
| osa-miR171c-5p\_R1-20L21 | GGAUAUUGGUGCGGUUCAAUA |
| osa-miR171d-5p\_12C-G | UGUUGGCCCGGGUCACUCAGA |
| osa-miR1846b-3p\_R6-21L21 | AUGACCGUUCUCCUCGCCGGCGUC |
| osa-miR1847.1\_R4-19L21 | AAAGUUUGCAGUUGUGGCUUGACC |
| osa-miR1847.2\_R24-6L24\_13C-A | AAGGUUGUGGAACUAACAUGUGAU |
| osa-miR1850.3\_R16-2L22 | AAGGGAUGUGAACUAAACACU |
| osa-miR1853-5p\_R19-4L24 | AGCUAUUUUGGGAAUGUUUGAAUU |
| osa-miR1860-3p\_R8-22L22 | UCAAAUAGCUAGGUUUUCUCUGUC |
| osa-miR1860-5p\_R6-20L21 | AUGUCGAGAUGUACCAGCUUCCAGAUCGGUAUU |
| osa-miR1861l\_R3-19L22 | ACAAUCUUGAGGCAGGAACUAAGA |
| osa-miR1862e\_R5-24L24\_10T-A | UAUUUGAUUAUUUUGGGACGGGAA |
| osa-miR1862g\_R1-15L20 | ACGAGAUGAGGUUGGUUUAUGCUC |
| osa-miR1863b\_R20-2L24 | AUAUUGUUAACAUGGUAUCAGAGC |
| osa-miR1863c\_R5-19L24 | CCAACUUGGCUGAUGCAGAAC |
| osa-miR1865-5p\_R4-18L24 | AUUGUAGUGAUGGUGAUUCGAAGC |
| osa-miR1866-3p\_R3-19L22 | AAAUUCCUGUAAAAUUCAUUUAUU |
| osa-miR1869\_R3-17L24 | UAAGAGAAGAACAAUAGGCAUGAU |
| osa-miR1871\_R19-4L24 | AACAUGAUAUCAGAGCUUUCGAUA |
| osa-miR1873\_R18-1L24 | AACAACGCUCUGAUACCAUGUUGA |
| osa-miR1874-5p\_R21-6L24 | AUAAAUGGAUGGUGUAGUAGAUGG |
| osa-miR1878\_R5-22L24 | GAUGAAUCUGGACACUAUAAAAAG |
| osa-miR1882e-3p\_R4-20L24 | AUGAUCUUGGACGUAAUUAUAUCU |
| osa-miR2090\_R5-20L22 | AUCAACUGAUUCUAGAAUUUUCGU |
| osa-miR2093-3p\_R18-4L20 | GCAUUAAUUGGAAGAGUGUACUGUUG |
| osa-miR2095-3p\_R15-1L20 | AACAAGGAGUAUCAUAAAUGGAAG |
| osa-miR2097-5p\_R4-21L22 | AUUUGAUGGGACGGGCAGGGAAAU |
| osa-miR2098-3p\_R4-18L20 | AUCUUUUGUCAAGCGGAGUCAACU |
| osa-miR2100-5p\_R21-7L22 | AUAUUUGUUUGGCAACUUGGAACC |
| osa-miR2101-5p\_R8-22L22 | CAGAACCAAUACAAGUUAAAAUGU |
| osa-miR2102-3p\_R20-4L22 | GUUCCCCACCGGAACCGGCACCCA |
| osa-miR2105\_R3-17L20 | ACGUGAUGUGAAUGAUUAAAAUAU |
| osa-miR2275c\_R9-23L23 | AGGAAAACAAACUGAUCUGAGUAA |
| osa-miR2863a\_R18-4L21 | UAAACUAGAAUGGGAUGUUAUGAG |
| osa-miR2864.1\_R2-16L21 | AUUUGCUGCCCUUGUUCUCGAAUU |
| osa-miR2866\_R19-5L20 | AGUAGCAUGCUGAACACAAACACA |
| osa-miR2869\_R15-1L21 | GUCAAAUUUAAUGUCGGGAAAGUU |
| osa-miR2871b\_R21-7L21 | ACGUGACCAUAGAAACUUUGAGUU |
| osa-miR2873a\_R5-19L24 | AUUGGACUUAAAUUUGAUUGGAUU |
| osa-miR2873b\_R1-15L21 | AUAACAUUGGACUUGAGAUUUAUC |
| osa-miR2874\_R15-1L24 | AUAUGACACUGUUCACAUAUACGG |
| osa-miR2875\_R17-3L24 | AUUUGUAUAUGACUGUAACACCCC |
| osa-miR2877\_R1-15L24 | CAUUCCUCUUGCAUCCUCUGCACA |
| osa-miR2878-5p\_R2-16L24 | AAAUAGACAUGUAUAAAAUUCACA |
| osa-miR2879\_R1-15L24 | CUUAUGCCAGAUGUGUUAAAUGAC |
| osa-miR2927\_R3-17L23 | GGAGCUGCUUCGUCGUCGAUGGAG |
| osa-miR2929\_R2-16L21 | AUGUCAAGGGUGUUUGUGCAAUUC |
| osa-miR2931\_R18-4L20 | AUUGACAUCAACAAUACGGGCAUC |
| osa-miR395f\_R15-1L21 | AACUUGCACCCCAAACAAUUCACG |
| osa-miR395u\_R19-4L21 | UUUUCCCCCAAACGCUUUGUACUU |
| osa-miR395w\_R18-4L22 | AGAUCUCCAUCCCCCAAACACUUU |
| osa-miR3979-5p\_R15-1L20 | AAAAGACAAGGGAGAGAGAGACCU |
| osa-miR414\_R20-6L21 | AUCAACAGCGACGAUGAUGAUGAG |
| osa-miR415\_R1-15L21 | AACAAAACAGAACAGAAGCAAAUC |
| osa-miR418\_R6-20L21 | UGAUGAUGAAAUGACCUACUC |
| osa-miR435\_R6-20L20 | GAGAUCGGUAUUGGAGUUGAUGA |
| osa-miR443\_R17-3L22 | AAUUUAUUGUAUUGUGGUUAUUGU |
| osa-miR5077\_R2-19L19 | GUUUCGCGUCGGGUUCACCA |
| osa-miR5079b\_R2-16L22 | AAGGCUAUUGGAUCUGUUAUUUGU |
| osa-miR5083\_R1-19L20 | CAGACUACAAUUAUCUGAUCUC |
| osa-miR5144-3p\_R16-2L21 | AAUGUGCUGCUGAGGAGGACGCGA |
| osa-miR5144-5p\_R2-16L21 | AGAAUCUUGUGCUGCUGAACAGCU |
| osa-miR5155\_R17-3L24 | AAGUCCAAUGGUAUUAAACUCAAU |
| osa-miR5157b-3p\_R9-24L24 | AUGGUUGGCUAUCAAAAAGUUGGU |
| osa-miR5159\_R21-7L24 | AACCCUUUGACCCGUUGACCCACU |
| osa-miR5160\_R3-18L22 | AGAUUUAGAUCGAUGGUAUAUUAU |
| osa-miR5162\_R5-19L24 | GAAAAGACCAAAAUACCCCUGACC |
| osa-miR529b\_R21-7L21 | AAAGCUGUACUCUCUCAACUCCGG |
| osa-miR5338\_R17-3L21 | UCACGUGAGAACCAACUGAAGCUU |
| osa-miR5490\_R3-17L21 | CCAACGCGGAUUUUUAUUUAGGGU |
| osa-miR5495\_R3-17L21 | AUCCAAUUAGGUCCGGAUCGAACC |
| osa-miR5497\_R21-6L21 | AAAUGCUCGUCCCAGAUAACUACU |
| osa-miR5499\_R6-21L21 | AGAAAAAGAAUCGUUAUGGAAAGU |
| osa-miR5502\_R1-15L22 | GUUACGGAUACGGAUACAGGGAUA |
| osa-miR5503\_R3-17L22 | UUCCGGAUCUUUCUAGAGAGUUC |
| osa-miR5508\_R2-20L21\_7G-T | AGCAGAUGUCUGAUCUGGUGUGAG |
| osa-miR5521\_R6-20L21 | ACCACUGCAUAUCUGAUGAUCACA |
| osa-miR5523\_R3-17L22 | AACUUUAGGAGGAACAUAUUUUGU |
| osa-miR5525\_R21-6L22 | AAGAUCAGAUCGCUCCCAAGUAUC |
| osa-miR5532\_R1-19L22 | UGUAUGGAAUAUAUGACAAAGG |
| osa-miR5534b\_R6-20L21 | AGAGAUUAACAACAGCUAGAAUGU |
| osa-miR5536\_R15-1L22 | AUGAAUGUCACUACCAUUAAACU |
| osa-miR5538\_R17-1L22 | AAGUGAUUGAGUUCAGUAGUUCCU |
| osa-miR5540\_R5-19L21 | AGCGGCGAGAUCGACGGUAGCGGA |
| osa-miR5796\_R1-15L21 | AUCAUUCAGGAUUGAACUUUUAGC |
| osa-miR5799\_R22-8L24 | ACCAACGUUUGAUUAUAUAAAAUU |
| osa-miR5801\_R21-7L24 | AUUGAACGAUCGAAAACGAGGCACC |
| osa-miR5814\_R5-20L24 | AAAAAGUUAGGAACCAUGCGAGAU |
| osa-miR5815\_R4-18L24 | UGUGAAGUUAUGGACACUAGAGCC |
| osa-miR5820\_R1-15L21 | AAAGAUGGAUGGCAGAGAUUGAUC |
| osa-miR5823\_R7-21L24 | ACUGGAAUUUGGGUCUAAUCUCUG |
| osa-miR5830\_R1-15L24 | AAAAUGUAGAUGAGGUGAGGAUGA |
| osa-miR5834\_R1-15L21 | AACGGAUGUAGAAAUUUAGCUGUA |
| osa-miR5837.2\_R3-17L21 | AUGAUGUGGAGCGUUCUGAUUGGU |
| osa-miR6256\_R8-22L22 | AUUUCGGUUGUAGGUGUAACC |
| osa-miR7693-3p\_R18-4L22 | GAAAUCUUCAUCGAUGGACCCACU |
| osa-miR7693-5p\_R22-8L24 | AGGCCAUCGAUGAAGAGUUCGAGC |
| osa-miR812f\_R7-22L24 | AACAUCAGAUUAAAGUUGGACACC |
| osa-miR812m\_R4-18L24 | AACGGUUAAAGUUGGUCAACAAUU |
| osa-miR812o-3p\_R23-9L24 | UCACCCGUGUCUAACAUUUCUGAG |
| osa-miR812p\_R19-5L24 | UUCCAACUUUAAUCGUCUAGU |
| osa-miR812q\_R7-21L24 | UACGAGUACGGUACGAAUAUCUAC |
| osa-miR812s\_R16-2L24 | ACUCUUUUUGAUUGUCCGUCUGUC |
| osa-miR812u\_R9-24L24 | UCAUGGCUGCACUUAAACUCA |
| osa-miR812v\_R7-22L24 | AGCACUUAAAAUGGGACUCGAGUU |
| osa-miR814c\_R19-5L22 | AUUUACGUUUCGUUGUACUAUGAC |
| osa-miR815c\_R17-2L21 | AGAUAUCUCCUCAAUCCCCUCCAA |
| osa-miR818f\_R2-17L21 | AAGACUGGAGCAUGUAGGAUGGUC |
| osa-miR821c\_R1-15L24 | AGAGAAGUCAUCAACAAAAGUAAC |
| pab-miR3697\_R19-5L22 | AGUAAUGUUGAAGUCAGGGUUGUAAACU |
| pab-miR3707\_R21-7L21 | ACUAGACGGUCAAGGAUAAUGGCA |
| pab-miR3709a\_R15-1L21 | ACAUUUAAAGCAUCUGAUUCCACC |
| pab-miR3709b\_R16-2L22 | AGGUGAUUUAAGGCAUUUAAGGUA |
| pab-miR3711\_R18-1L20 | GGAGGUUCAAGCCCUCCUUCUAGCGCCA |
| pab-miR396a | UUCCACAGCUUUCUUGAACUA |
| pab-miR947\_R1-15L22 | AGUCUAUCGGAAUCUGUUAAGAUU |
| pde-miR1311\_R20-6L22 | AGAACCGGAACUGGCAAAACCUGC |
| pde-miR1312\_R1-15L22 | AUGAGAUUGUUUGGAGAGAAAAUG |
| pde-miR1313\_R21-5L21 | GAUCUCUCGAACAACAAUUUCAGU |
| pde-miR159\_R1-20L21 | UUUGGUUUGAAGGGAGCUCUUU |
| pde-miR3712\_R19-5L22 | AAACAAUGCGAGUCUGAUCUUGAU |
| pde-miR390\_R6-20L21 | CAGGAUGGAUAGCGCUAAACU |
| pde-miR482b\_R2-20L22\_14T-A | CUUCCCUAUUCCACCCAUUUUU |
| pde-miR482d\_R5-19L22 | AUGUAGAUCUCCAACGCCUCCCAU |
| pde-miR947\_R6-20L22 | GUGAAUCUGUUACUGUUGUUUGUG |
| peu-miR2916\_R1-20L23\_6A-G | UGGGGGCUCGAAGACGAUCAGAUACCGUC |
| pgi-miR2118\_R4-22L22\_18C-A | UCCCUAUUCCACCCAUACCAUA |
| pgi-miR4376\_R21-6L22 | ACAUUAUGGGCGUCAUCUCUCAGU |
| pgi-miR482b\_R3-19L22 | UUGCCAAUUCCUCCCAUGCCGU |
| pgi-miR6135h\_R3-17L20 | GUAAGUUGGUCAAUUCAGAAAAGU |
| pgi-miR6135i\_R7-22L24 | GUUCCAAUAGAAUACUGACCUAAU |
| pgi-miR6135j\_R1-15L24 | AAUUGACUAAUAGAAGGGGAGAUC |
| pgi-miR6138\_R18-4L24 | AUGUCCUUCAAUCCAAACAUCAAC |
| pgi-miR6139\_R8-23L24 | UUGAGAUUGGGAAGGGAAGAAUACUAA |
| pgi-miR6140a\_R23-9L24 | ACACAAACUAUUCUAAACCAUUCA |
| pgi-miR6140b\_R9-23L24 | UGGUUUAGAAUAAUUUGUGUUU |
| ppe-miR1511-3p\_R3-19L21 | ACUGGCUCUGAUACCAUAUUGAA |
| ppe-miR1511-5p\_R18-3L21 | ACCUCAUGACUCUGAUACCAUAUC |
| ppe-miR156b\_R18-3L20 | AUGAGCGCUCUCUUUCUUCUGUGA |
| ppe-miR167d\_R1-22L22 | UGAAGCUGCCAGCAUGAUCUUAU |
| ppe-miR169d\_R1-19L21 | UGAUGAGCCAAGGAUGACUUGC |
| ppe-miR169j\_R6-22L22 | AAGGAUGACUUGCCUGCAGCCUCG |
| ppe-miR171d-3p\_R17-3L21 | AAAUUGAGAUAUUGAUUCGGCUGG |
| ppe-miR171d-5p\_R19-5L22 | AACCGAACCGAACCAAUAUAAACU |
| ppe-miR171e\_R20-5L21 | AGUAUAAUAUUGGUCCGGUUCACA |
| ppe-miR172d\_6C-G | GGAAUGUUGAUGAUGCUGCAG |
| ppe-miR2111d\_R1-15L21 | UAAUCUGCAUCCUGA |
| ppe-miR319b\_R2-22L22\_11G-C | AGCUGCCGACUCAUUCAUCCA |
| ppe-miR3627-5p\_R4-18L22 | AAGGUGGUCAGGAGAGAUGGCACA |
| ppe-miR393a\_R2-21L21 | AGGAAUCCAAAGGGAUCGCAUUGA |
| ppe-miR395b-3p\_R18-1L21 | AGUUCCCCCCAAACACUUCAGUAG |
| ppe-miR396a | UUCCACAGCUUUCUUGAACGU |
| ppe-miR397\_R1-20L21 | UCAUUGAGUGCAGCGUUGAUUU |
| ppe-miR398a-5p\_R4-19L21 | AUCGCGACCUGGGAUCACAAUAGC |
| ppe-miR399b\_R19-1L21 | GUGCAAUUCUCCUUUGGCAGA |
| ppe-miR477-3p\_R19-4L21 | UAACAAAAACUCUCCCCAAAGGCU |
| ppe-miR477-5p\_R1-15L22 | AAACUCUCCCUCAAAGGUUCCUCC |
| ppe-miR482a-5p\_R7-21L22 | UUGGAGGUUGCCGGAAAGUUU |
| ppe-miR482c-3p\_R8-22L22 | UGGUAGAAUACUGGCCCGCCCAUUCCAAGCU |
| ppe-miR482c-5p\_R4-18L20 | AGGCUAUGGGCUGUUUGGGACAGU |
| ppe-miR482d-5p\_R4-18L21 | AAAAUGGGUGGCUGGGAAUGAA |
| ppe-miR482e\_R4-21L22 | UCCCUAUUCCUCCCAUGCCAUA |
| ppe-miR530 | UCUGCAUUUGCACCUGCACCU |
| ppe-miR535b\_R16-2L21 | AACUCUCUCUCGUCGUCCAAGAAA |
| ppe-miR6257\_R1-15L21 | UGAAUCUUAACUGUUGGAUGCAAA |
| ppe-miR6258\_R5-19L21 | AAAGCUGUAAAGAUCAAUCCAACU |
| ppe-miR6262\_R15-1L21 | CUUGGACCCUAACUUUCUAAAGAU |
| ppe-miR6265\_R2-16L23 | UGUCGACUGAACUUUGACCCGAGA |
| ppe-miR6266c\_R7-21L21 | AAUGAAUUCAGGGGCAAAAUGAUC |
| ppe-miR6271\_R15-1L21 | AUCUCUCAAUCUUGACGGACGGUG |
| ppe-miR6272\_R16-2L21 | AUUUAUCGCACUCAUUUACAGCUG |
| ppe-miR6276\_R21-7L21 | AGGGAAUAUUUGUAUGACAACAUU |
| ppe-miR6281\_R19-5L21 | UAAGAUCUCCACUCUCUCUAUCUC |
| ppe-miR6285\_R2-17L22 | AAGUAAAGUGAAGUUUGAAUUAUG |
| ppe-miR6288a\_R2-16L21 | AAAAUGACAAGUGGCAACCUGUGA |
| ppe-miR6288c-3p\_R21-7L24 | AAUGGAUCUUGUUAUUUUCUAACU |
| ppe-miR6288c-5p\_R21-7L21 | CAUUUGCAAUCAAUUAAAAAAUUAAU |
| ppe-miR6295\_R1-15L21 | AGAGGACAGAAGAUGACAUAUAAG |
| ppe-miR7122b-5p\_R18-4L22 | AAACUCGUGAUUUCAUUGUAAUAU |
| ppe-miR8122-3p\_R3-18L21 | AACGUAAGGAAGAUUUGUGGAGCC |
| ppe-miR8122-5p\_R20-6L21 | AAUAUGAGGAAAGAUCUGAAUGAU |
| ppe-miR8125\_R4-19L21 | UUAGAAUGAAAGAAUGUGAUGAGC |
| ppe-miR8126-3p\_R4-19L20 | AGUCCAGUAGUAUUUUGACUCAGA |
| ppe-miR8128-3p\_R17-3L21 | AGUAAGUAGAUCUCUCCCCACACU |
| ppe-miR8128-5p\_R17-3L21 | AGAGUCGGGAGAGGUCUACCCACA |
| ppe-miR8131-5p\_R19-5L21 | AACUCAACUUAGCUGUUUCAUCUC |
| ppe-miR827\_R1-18L21 | UUAGAUGACCAUCAACAAUUU |
| ppe-miR858\_R4-21L21 | UUUGUUGUCUGUUCGACCUUG |
| ppt-miR1023a-3p\_R4-18L21 | AUUGAAUUGGAGAGAGUGGAUGAU |
| ppt-miR1023b-3p\_R4-18L21 | AUUGAAUUGAAGAGAGUGUGCAAC |
| ppt-miR1023b-5p\_R18-4L21 | AUGAGAAAUGGAGAGAGACUUUGU |
| ppt-miR1024b\_R3-17L21 | AUGGUUGGAUUGUAGGUGCUAUGU |
| ppt-miR1026b\_R18-4L21 | GAUUCGCCUCUCAAGUCUUUCAUC |
| ppt-miR1027b\_R16-1L21 | AGAGACGAAGAGAAGAUAGAAAGA |
| ppt-miR1028b-3p\_R6-20L21 | AUAUUUUUUUGUGGACCUAAGACU |
| ppt-miR1028c-3p\_R5-19L21 | AAUUGUAGGUUUAAGAAAAAGCUG |
| ppt-miR1030h\_R1-16L21 | ACUGUCUGCAUCUGCACCUGAGAG |
| ppt-miR1030i\_R7-21L21 | AUCCUCUGCACCUGCACCGACAGC |
| ppt-miR1031b\_R7-21L21 | GUCUCUCUCUCUGGAGCUUCUGGC |
| ppt-miR1036-3p\_R18-4L21 | ACACAUUAGAAUCCUUAAUUAACU |
| ppt-miR1037\_R5-19L21 | AUUUGGUUGUUAUUAGGAUUUGAU |
| ppt-miR1044-5p\_R7-21L21 | UUUGGGGAUAUGCACUACAAACAG |
| ppt-miR1046-5p\_R1-15L20 | ACGGUUGGAUUUCAUAUUUUAAUU |
| ppt-miR1047-3p\_R20-2L21\_15C-A | AGAGAAACUAGGUCAUCGAUGAUC |
| ppt-miR1049\_R7-21L21 | UUUAGCCAAACAGUCUCAAAAGC |
| ppt-miR1052\_R1-15L21 | CUUCCUUUUAUUGAUUAAAUG |
| ppt-miR1069-3p\_R19-5L21 | AUUGAUUUUGAGCACUUUGAUUUC |
| ppt-miR1069-5p\_R17-3L21 | AUGCGAAUGAUAAGACUUGAACCU |
| ppt-miR1074\_R1-16L21 | UAGGGUUGUUAGUUGUGGAUA |
| ppt-miR1078\_R15-1L21 | AUUGAAUCAUCCAAAAACUGUAAC |
| ppt-miR1216\_R17-1L21 | UCAAGCGCAUCACCAUCAAGCCCC |
| ppt-miR1217-3p\_R5-19L21 | CGGAAGCUGAAGCAUGAUGUCA |
| ppt-miR166l\_R2-20L21 | CCGGACCAGGCUUCAUUCC |
| ppt-miR166m\_R1-19L21 | UCGGACCAGGCAUCAUUCCCC |
| ppt-miR167\_R2-21L21 | UGAAGCUGCCAGCAUGAUCCU |
| ppt-miR171b | UUGAGCCGCGCCAAUAUCACA |
| ppt-miR2079\_R15-1L21 | AGAAUCAACAUCAACUCUUCUUGU |
| ppt-miR2084\_R21-5L21 | AGUUAUAUCCACAAUCCAACAAUG |
| ppt-miR319d-5p.1\_R4-18L20 | AUCUUUCUUCGGUCCAAACUGAGU |
| ppt-miR319e\_R1-21L21 | ACAGUCCGACGAUCUUGGACUGAAGGGAGCUCCC |
| ppt-miR390c-3p\_R4-19L21 | AACCCCAAUGUCCAUUCUGAGCAU |
| ppt-miR390c-5p | GAGCUCAGGAGGGAUAGCGCC |
| ppt-miR408a\_R7-21L22 | UAAAGUGCAUCUUCCCUGUGGUCU |
| ppt-miR414\_R3-21L21\_15C-G | AUCCUCAUCAUCGUCGUCCUCCUC |
| ppt-miR477b\_R1-20L20 | ACUCUCCCUCAAAGGCUUCCA |
| ppt-miR538c\_R22-8L22 | AUGUUGUCCAGACAUAGACUCACA |
| ppt-miR894\_R5-20L20 | CUCACGUCGGGUUCACCA |
| ppt-miR895\_R16-2L22 | AUCGCACCUCGCUAAGCUAACUGC |
| ppt-miR902f-3p\_R1-15L20 | ACGAAGAUCUGCAUCUUUAAGAGC |
| ppt-miR902i-5p\_R6-20L20 | AAAUGUCCAAUGUAGAUUCUUCAU |
| ppt-miR902k-3p\_R16-2L21 | AUUGCAGAUCCUUCGACAAAAGGC |
| ppt-miR902l-5p\_R1-15L21 | UGUUCACUAUGUUGCAGAUUCUGAUCG |
| pta-miR1309\_R15-1L21 | AAAGACGUCAAAAGGGCCAUCAACU |
| pta-miR1313\_R3-17L21 | AGUCUCCACUGAAAUUAUUGAAGC |
| pta-miR1314\_R7-21L22 | AAUGGUUGAAUGUUAGGAGAUCGG |
| pta-miR1315\_R21-7L21 | AUUCCACCUGGGAACCUGACAGG |
| pta-miR159b\_R1-18L20 | UUUGGAUUGAAGAGAGCUCUA |
| pta-miR171\_R16-2L21 | AUCUUUUCGGACUCGUCUCAAUCUCCAACCAGCU |
| ptc-miR1448\_R5-20L20 | UUCCCAACGCCUCCCAUACCGU |
| ptc-miR1450\_R16-2L22 | AUGACCGAGCCAUUGACUGACUGA |
| ptc-miR156l\_R3-17L21 | AAAGUUAUAGACAGAAGAUGGAGA |
| ptc-miR159d | CUUGGAUUGAAGGGAGCUCCU |
| ptc-miR166p\_R1-19L21 | UCGGACCAGGCUCCAUUCCCU |
| ptc-miR167h-5p\_R1-20L21 | UGAAGCUGCCAACAUGAUCUU |
| ptc-miR169aa\_R6-20L21 | UAAGAAUGACUUGUCGCGGAGAGU |
| ptc-miR169ab\_R6-20L20 | AAUAAAGGAAGACUUGCCCUCUGC |
| ptc-miR169b-3p\_R19-5L20 | ACCAUAGCCAAGAACAACCCAAUU |
| ptc-miR169s\_R1-19L21 | AGUAUGGUUCAGCCAAGGAUGACUUGC |
| ptc-miR172h-5p\_R2-19L21 | AGAGCACCAUCAAGAUUCAAGAAU |
| ptc-miR2111b | UAAUCUGCAUCCUGAGGUUUG |
| ptc-miR319i\_R1-20L20 | CUUGGGCUGAAGGGAGCUCCCU |
| ptc-miR3627b\_R1-18L22 | UCUGUCGCAGGAGAGAUGGC |
| ptc-miR394b-3p\_R5-19L20 | AAUCUGGUCUCUCUUUGUACUCCU |
| ptc-miR399h\_R1-16L21 | UGCCAAAGGAGAGUUUUUUUUU |
| ptc-miR408-5p\_R2-21L21 | UGGGGAACAGGCAGAGCAUGG |
| ptc-miR473b\_R2-16L20 | CUUUCUCUCCCUCAGGGCUGACUU |
| ptc-miR474a\_R16-2L24 | AUUCGAACCCAGCAACUUUU |
| ptc-miR475d-3p\_R1-17L21 | UUUACAGAGUCCAUUGAUCAUGAU |
| ptc-miR475d-5p\_R6-21L21 | AACCAUUGUAAGAGUAGAUAUACG |
| ptc-miR477c\_R1-15L22 | AUUUUAGGAAACCUUUUGUGGCGG |
| ptc-miR478p\_R5-19L24 | AAAUCUGUGUCUUCUAUUUUUCUU |
| ptc-miR481c\_R9-23L24 | AGGAGACUUAACAGCUUAAGUGGC |
| ptc-miR481d\_R24-10L24 | AGCUUAAGCUGUUAGGAAAGGGCC |
| ptc-miR482b-3p\_R20-6L22 | AGGGCAUGAGAGGUAUUUGUCAAU |
| ptc-miR482c-3p\_10G-T | UCUUUCCGAUUCCUCCCAUACC |
| ptc-miR6425d-3p\_R7-21L21 | UUCUCACCGAAGAUAAUGACUCGU |
| ptc-miR6425e\_R6-21L22 | AUUUCCAUGGAAUAGGCAACGACA |
| ptc-miR6427-5p\_R18-4L22 | ACCACACGAGAAUGAAGCAUUAUG |
| ptc-miR6428\_R8-22L22 | GACUCAUUAGACUCAUUAGACUCU |
| ptc-miR6435\_R2-16L21 | AAAUAAAUAGAAUAAUGGAGACAC |
| ptc-miR6436\_R1-15L22 | AGAGAAUCCAGACUCAAUAGCAAG |
| ptc-miR6440a\_R21-3L21\_14G-C | AAAAACUCGAAAUCCAUCAAACCU |
| ptc-miR6441\_R15-1L21 | AUAUCCUUCCGUCAACUUGAGACU |
| ptc-miR6448\_R19-5L21 | ACUCACUCUUGUUAAUUCUGUGGC |
| ptc-miR6449\_R5-19L21 | ACAAAAUUAAUUCUGAAUAACGGU |
| ptc-miR6452\_R17-3L21 | AUUUUCUAUCUCAGUUACCUUUGA |
| ptc-miR6458\_R4-18L22 | AUCGGAUACUCAAAUAUAUAAGGA |
| ptc-miR6459a-3p\_R7-21L21 | CCUUGGGCUUGAGAUUGCAG |
| ptc-miR6459a-5p\_R17-2L21 | AACCCAGAAUUUGUGCUUGAGCCA |
| ptc-miR6459b\_R15-1L20 | AAAUAAGAAAUUUGGGCUUGAGAAA |
| ptc-miR6460\_R18-4L21 | AGAGAAAAUUGAAUGCCACAUAGG |
| ptc-miR6461\_R20-6L21 | AUCCAUGAACUUGCUGAUAAACCU |
| ptc-miR6462c-5p\_R6-20L22 | CACAAAAAUGGCAUAACACCA |
| ptc-miR6466-3p\_R2-16L21 | AAGAUCAAUCAUCAAAUGCACGGU |
| ptc-miR6469\_R1-17L21 | UUUGCGUGGCAGAAAAGGAUUCGC |
| ptc-miR6470\_R1-16L21 | AAGCUCUGAUAUCAUAUUAGUAAC |
| ptc-miR6471\_R6-20L21 | UUUUCCAGAUCAUCAGGACAGCA |
| ptc-miR6472\_R21-6L22 | GAAAUUGAGACCUAGAAUUAGAAA |
| ptc-miR6473\_R21-7L21 | AAAAGUCUUGAUGGGAUGGAGAUC |
| ptc-miR6474\_R16-2L21 | AUUCUCUACUGAUCUGAACUCUU |
| ptc-miR6475\_R6-20L21 | AGAAGAAGUAAAGAACGAAGAGAU |
| ptc-miR6477\_R17-3L21 | AUGUGUUUCACGUCUACUGUUAGC |
| ptc-miR6478\_R1-20L21 | CCGACCUUAGCUCAGUUGGUAGAG |
| ptc-miR6479\_R1-15L21 | CCGAUCAAUGAGAAUACUUAU |
| ptc-miR7812\_R4-18L21 | AAUGGAUAUUUAUGAAUUGAUGGA |
| ptc-miR7815\_R2-16L21 | AAUUCUUCAAAUAAAUCGCAGAUU |
| ptc-miR7826\_R20-6L21 | AGAGAAUUUGAAACUUUUGAAGUU |
| ptc-miR7830\_R18-4L20 | AAAUCGACAACGGUUCUCUAGAGA |
| ptc-miR7834\_R6-20L21 | AAAUCUCGACUAUUAGAAAUAUAA |
| pvu-miR482-5p\_R3-17L22 | AGGUUAAUUAAUGGGCUGAUUGGG |
| rgl-miR5138\_R15-1L18 | ACGCCUAACGAUUUUUAGAACACU |
| rgl-miR5139\_R1-19L19 | GAAACCUGGCUCUGAUACCA |
| rgl-miR5140\_R3-17L18 | CAUUUUGGUGAAGAUUUGGUUAAU |
| rgl-miR5141\_R24-10L24 | GCUAUUAACGUCGGCUUAUCUGUCAGUCGC |
| rgl-miR5574\_R18-4L21 | UUUUAGAUUCUGAUUGGCUCC |
| rgl-miR5577\_R6-20L21 | AGAGCAUCUGAGAAUCACUUUUGC |
| rgl-miR7797a\_R1-15L20 | AAGACGGAAUCAAACUCAAAACUU |
| rgl-miR7800\_R5-19L21 | AGAUGAGAUUUGUGUCGUUAUGGC |
| rgl-miR7803b-3p\_R4-19L20 | ACUCGAACGUGUCAAUCAUCUAAU |
| rgl-miR7804-5p\_R6-21L23 | UUGAAUGUUCAUCGAAUCGAACCC |
| rgl-miR7805-3p\_R16-2L22 | ACAUUGGUGUAAAUGAAUUGGUCC |
| rgl-miR7805-5p\_R1-19L21\_12A-G | AAAAAUUUGGUGUGGUGAAUA |
| rgl-miR7810\_R4-18L21 | GGAAGAGUUUUCUGGAAAUUU |
| rgl-miR7972\_14T-C | UUGUCAGGCUUGUCAUUCUCC |
| sbi-miR1435b\_R18-4L20 | AAGGUUUGACUUAAGGUUUAAGGU |
| sbi-miR2118-5p\_R6-20L22 | CCAGAGGGAACAUGUAGGAACU |
| sbi-miR396e\_R1-21L22\_8G-A | UUCCACAAGCUUUCUUGAACU |
| sbi-miR5382\_R3-17L18 | AUAGUAGUUAAUCUAAACAGGCCC |
| sbi-miR5387a\_R6-20L25 | CGAACCGGUGCUAAAAUAGAAUAU |
| sbi-miR5565d\_R19-5L24 | AAACAUACAUGGAUUGCCUUUGCA |
| sbi-miR5565e\_R4-18L19 | UCUCUUCGUGUUUUGGAUGUUGUCGGU |
| sbi-miR5565g-3p\_R5-19L24 | CUAUGUGGAUUGAGAUGGAAGAAU |
| sbi-miR5565g-5p\_R24-4L24\_19T-A | AUACCAACAUAUGUGGAUAGAUGU |
| sbi-miR5568c-5p\_R1-16L21 | AGGACUUGUCUGUUCCAAAUUGUA |
| sbi-miR5568d-3p\_R21-7L21 | UUGAUUGCUUUUCUAGAUACACUU |
| sbi-miR5568e-3p\_R18-2L21 | AUCAGGAUUUUAGCUUUUCUAGAU |
| sbi-miR5568e-5p\_R18-4L21 | AUCCUCCAUAGAAAACCCAAAACU |
| sbi-miR5568f-3p\_R5-20L21 | UAUAAUUUGGAAUGGACUGAACCA |
| sbi-miR5568f-5p\_R5-19L21 | GUUUCCAAAUUGUAAGAGCACGUU |
| sbi-miR5568g-3p\_R21-7L21 | ACUCGAGACCUCCAAAUUAUAAGA |
| sbi-miR5569\_R16-2L24 | UGGACUGUUCAAGCAUGCAAUCACUGU |
| sbi-miR5570\_R16-1L21 | AAAGUGCUGAUUUGUCUUUUGAAG |
| sbi-miR6217b-3p\_R4-18L24 | GUCCGAUUAUCGUAAAUAGAAGAU |
| sbi-miR6217b-5p\_R24-9L24 | ACAAUUAUCGUAACUCAAUCCAUC |
| sbi-miR6218-3p\_R19-5L21 | CAAAAAUCACGAAACAGGGCAUC |
| sbi-miR6219-5p\_R3-17L24 | GAUAACUACCGGGACUAAAGGUCU |
| sbi-miR6225-3p\_R4-19L24 | ACGAAUCUUUUAAGUCGGUUUAAC |
| sbi-miR6225-5p\_R4-20L24 | AAUAUUAGACUCAAAAGAUUCACU |
| sbi-miR6228-3p\_R6-20L24 | AAUAGUAGAAUUAAUGAAACAGUU |
| sbi-miR6228-5p\_R20-5L24 | ACUUGGUGCACAAUUAAUAGAGAU |
| sbi-miR6229-3p\_R7-21L24 | AAAGAAACUCGCCGGGUGAGAAAG |
| sbi-miR6230-5p\_R15-1L21 | GAUUUAGGGACCCAAAAGAAGUGA |
| sbi-miR6231-5p\_R21-7L21 | AUCCUAUUUGUGGACUCUUCGGUA |
| sbi-miR6232a-3p\_R23-8L24 | UAUGUUGACUUUGACUUUUUUGGU |
| sbi-miR6232b-3p\_R17-3L21 | AAUUGGAUUUUGGUACAUCGAAAU |
| sbi-miR6233-3p\_R19-5L24 | CAACAGAUUACCAAAACCAAAU |
| sbi-miR6234b-5p\_R15-1L24 | AUAGGCUAGAGGAACACACUUCUGC |
| sbi-miR6235-3p\_R19-5L24 | AACUCGAGAAAAAUACUGUUAUGA |
| sbi-miR6235-5p\_R5-20L24 | UAUAGAGAGAAAAAUACUGUGAGA |
| sbi-miR821b\_R6-20L21 | AUGAACAUAAAAGUUAACUCUGCC |
| sbi-miR821c\_R16-2L21 | AUUUUUGUGUUUAUGUUGAUGACU |
| sbi-miR821d\_R16-2L21 | ACUUGUUGUUGAUGACUGUCCAGG |
| sbi-miR821e\_R17-2L21 | AUUUUUUAUUUUGAUGACUAGAAA |
| sly-miR164b-3p\_R20-6L21 | ACUUGGAGAAGGAGAACCACAACU |
| sly-miR166c-3p | UCGGACCAGGCUUCAUUCCUC |
| sly-miR166c-5p\_R1-19L21\_15C-T | GGGAUGUUGUCUGGUUCGAGAUC |
| sly-miR167b-3p\_10A-T | AGGUCAUCUUGCAGCUUCAAU |
| sly-miR167b-5p\_R1-21L22 | UAAAGCUGCCAGCAUGAUCUGA |
| sly-miR169e-5p\_R22-8L22 | AAUCUGAUCAAAGGCAAGUCAUCC |
| sly-miR171e\_R1-19L21 | UUGAGCCGCGUCAAUAUCU |
| sly-miR1918\_R22-4L22\_10C-G | GAGAAUGGAACUCUCACCACUGAG |
| sly-miR319c-3p\_R1-20L21 | UUGGACUGAAGGGAGCUCCU |
| sly-miR319c-5p\_R17-3L21 | GAUGGAUUCGGGCUGAAGGAAGCU |
| sly-miR390a-5p | AAGCUCAGGAGGGAUAGCACC |
| sly-miR390b-3p\_R3-21L21 | CUAUCCAUCCUGAGUUUCACU |
| sly-miR395b\_R6-22L22 | GUGUUUGGGGGAACUCCCGGAGUC |
| sly-miR396a-3p | GUUCAAUAAAGCUGUGGGAAG |
| sly-miR403-3p\_R2-21L21 | UUAGAUUCACGCACAAGCUCG |
| sly-miR403-5p\_R3-21L21 | UUUGUGCGUGAAUCUAACACU |
| sly-miR477-3p\_R2-18L22 | AGAAUUGGUUCUUGUAGGGUGAGA |
| sly-miR482d-3p\_R4-19L22 | UCUUCCCUAUUCCACCCAUGCU |
| sly-miR482e-3p\_8T-A | UCUUUCCAACUCCUCCCAUACC |
| sly-miR5303\_R19-5L21 | GCAUGCUCGAACUCUUCAUUCGUC |
| sly-miR6023\_R6-20L22 | ACACUUCUGAAAGAGUUUUUGGGC |
| sly-miR6024\_R19-5L22 | AUAGGAAAAACAACUCUUGCU |
| sly-miR9470-3p\_R1-15L20 | UUGUUUGGCUCAUGGAUUA |
| sly-miR9473-5p\_R2-16L21 | AUGAGGCUGUAAAUCUAAAAGGCA |
| sly-miR9474-5p\_R3-21L22\_8G-T | UAGAAUUCAUGAAUAAAAUCGU |
| sly-miR9475-3p\_R6-20L21 | AAUUUGAUGUAGAGAUCGUUUGUU |
| sly-miR9477-3p\_R1-15L24 | AGAUUUGGGAAAGGGAACACAGUU |
| sly-miR9477-5p\_R24-10L24 | AGUAUUCGGUAGGAAAAGGGAAAG |
| sly-miR9479-3p\_R1-15L22 | AAAGGUACAGAGAAUGGUAGAGGG |
| smo-miR1084\_R3-17L22 | AUGACUCAGGUGGUAUGUAACUCC |
| smo-miR1085-3p\_R5-19L20 | GUUAUGUCUUGUAGGGAACAGUGG |
| smo-miR1088-3p\_R21-7L21 | AUGUGACAGAAGAAAAAGAUGAGG |
| smo-miR1090\_R21-6L21 | GUUUUGUUGAGAAUGGCAGAUGGU |
| smo-miR1097\_R4-18L21 | AGUCCAUUGUUGUUGUUGUAGAGA |
| smo-miR1099\_R6-20L21 | AACGGUCAAUGGUGUUUUUGUAAUU |
| smo-miR1101-5p\_R3-18L21 | AACAUUCUCUCGAAACAACCAGUA |
| smo-miR1103-3p\_R24-10L24 | GAUCGAACACAAGAAUGCACCUCU |
| smo-miR1104\_R21-7L21 | AGAAGGAAAAAGAACAACAAAAAU |
| smo-miR1105\_R1-15L21 | GACAACAGUUCGGAUGUGAAGAUU |
| smo-miR1108\_R1-15L21 | AUUGAGCUGAGAGACAUCAUUGUC |
| smo-miR1109\_R1-15L21 | AUGAACUAGUGGGAGAUUUUGACU |
| smo-miR1110\_R7-21L21 | AGGCAGUGGUCAAGGAGACUC |
| smo-miR156c | UUGACAGAAGAAAGAGAGCAC |
| smo-miR159\_R2-21L21 | UUGGAUUGAAGGGAGCUCCC |
| smo-miR171a\_R1-21L21 | UUGAGCCGUGCCAAUAUCACUUUU |
| smo-miR171c\_R1-19L21 | UUGAGUCGCGCCAAUAUCACU |
| smo-miR319\_R2-20L20\_15G-T | UAGCUGCCGACUCAUUCAUCC |
| sof-miR159e\_R1-20L21 | UUUGGAUUGAAAGGAGCUCUA |
| ssl-miR1078\_R2-16L21 | AGCCCAGUUUGAUUGAUUCAAUUC |
| ssp-miR437b\_R15-1L21 | AACUUGUCUAACUUUCAACACUGA |
| ssp-miR827 | UUAGAUGACCAUCAGCAAACA |
| stu-miR156d-3p\_R1-21L22 | GCUCUCUAUGCUUCUGUCAUCC |
| stu-miR166a-5p\_R1-20L21 | GGAAUGUUGUCUGGCUCGAGC |
| stu-miR166c-5p\_R1-21L21 | GGAAUGUUGUUUGGCUCGAGGAU |
| stu-miR167d-3p\_R1-20L20\_12T-A | AUCGGAUCAUGUGGUAGCUUCACC |
| stu-miR171c-3p | UGAUUGAGCCGUGUCAAUAUC |
| stu-miR171c-5p\_12T-G | UAUUGGCCUGGGUCACUCAGA |
| stu-miR171d-5p\_R19-1L21 | UUGAACCGCACCAAUAUCUCGU |
| stu-miR172b-5p\_R3-19L21 | AGCACCAUCAAGAUUCAAGAAUGU |
| stu-miR1886g-3p\_R21-7L22 | GAAGCGGAUUGAGAUGAAAUCAAUC |
| stu-miR1886g-5p\_R16-1L24 | AACCUUGGACAUUGAUCUCAUCUC |
| stu-miR319-5p\_R19-5L21 | AUUACCUUGGACUAAACAGUUGAC |
| stu-miR3627-3p\_R16-2L21 | AAACAAAGACAGAGGCACUCGAGG |
| stu-miR396-3p\_R17-1L21 | UUCCACAGCUUUCUUGGACU |
| stu-miR398b-3p\_R1-21L21 | UUGUGUUCUCAGGUCACCCCUU |
| stu-miR399i-3p\_R1-19L21 | UGCCAAAGGAGAGUUGCCC |
| stu-miR408a-5p\_R5-19L21 | AUGGACGAGGCAGCGCACGUUUGC |
| stu-miR408b-3p\_R1-21L21 | UGCACUGCCUCUUCCCUGGCUUU |
| stu-miR477b-3p\_R19-3L22 | CAGGAUAUUCGGCUCUCACUCGAAAGACC |
| stu-miR482e-5p\_R15-1L21 | AACACCCACCACACCACCCACUUG |
| stu-miR5303d\_R18-2L24 | UAAGUGUCGGAUUCUCCAAAC |
| stu-miR5303f\_R6-20L24 | AAUUUCCUGGAGAAUCUGACACCU |
| stu-miR5303h\_R16-2L24 | AACCUGUACUCUUCAAAAAUGUGC |
| stu-miR5303i\_R17-3L24 | AUAGACUCUUCAAAAAUCUUUAUU |
| stu-miR6023\_R1-18L22 | AAUUCCAUGAAAGUGUUUUUUCCU |
| stu-miR6024-3p\_R22-6L22 | AUUGGGAAAACAACUCUUGCC |
| stu-miR6025\_R18-4L22 | GUUUAUCUCAAUUGUUGUAUUGCC |
| stu-miR6149-5p\_R6-20L21 | AGAUAUACACACACCUGAAUCGUG |
| stu-miR7122-5p\_R18-3L22 | UCUAGCGGUUUCUCUGUAUCCAAACAACCAUGG |
| stu-miR7981-5p\_R23-8L24 | AAUAGGACCAUAGUUUUUGCAAGA |
| stu-miR7982b\_R6-20L24 | AUGAGGAUGAUAAUAAUAUGAAAU |
| stu-miR7984c-3p\_R8-22L24 | AAAGUUUGGUAUCGUUGUCAUAAA |
| stu-miR7984d-3p\_R2-16L24 | AUUAAAAUUUCGGUCAAAGUAACU |
| stu-miR7988\_R5-19L24 | AUGAAAAGGGCCAAAAAAGAUUUU |
| stu-miR7989\_R10-24L24 | AGAACCUCCAUUACCUGAACCUCC |
| stu-miR7993b-5p\_R24-10L24 | GGUCUAUCGAGGACAUAUUUUAUGUGGAAG |
| stu-miR7993d\_R1-15L24 | ACGAUAUUUUAUGUGGUUCGAACU |
| stu-miR7996c\_R5-23L24\_9C-A | AUGGGUAAAUAUGAAAUUUGAACC |
| stu-miR7997c\_R8-24L24 | AUUUCGGACUCUUCAAAAAUGCGC |
| stu-miR7999-3p\_R1-15L24 | GGUAACGACCCGUAGAACUCGG |
| stu-miR8002-3p\_R19-5L24 | ACCGAUAUUCUUGAUAAUAAUGAU |
| stu-miR8003\_R1-15L24 | GAGAGAUUUCGGUAUACAAAAGUC |
| stu-miR8004\_R1-15L24 | AGGGGUUGUGUAUGUCGAGUCAGU |
| stu-miR8005b-5p\_R17-3L24 | AAUUUAAAAUUUAGAACCAAGAGA |
| stu-miR8005c\_R19-1L24\_8T-C | ACCCUAAACCCUAAACUCUAAACC |
| stu-miR8007b-3p\_R2-16L24 | UUGAGCCUGAAAAAUGAAAAGUAG |
| stu-miR8007b-5p\_R8-22L24 | AGACUUUUUGAAUUUCGGCAUCCU |
| stu-miR8011a-3p\_R22-8L24 | UGCGGCCUUGUGUGAGGCUUCUGGUCGGGU |
| stu-miR8011b-3p\_R18-4L22 | GCGGUUCUUUUUGUCUCACUGGGC |
| stu-miR8011b-5p\_R5-19L22 | AUUUUUGUCUCACAAGAGCUUGGA |
| stu-miR8014-5p\_R3-18L24 | AGGAUAGCUGUUUCAUAUUGUAUU |
| stu-miR8015-3p\_R23-8L24 | AUCCUAUUGGACCUUGAAAUAACC |
| stu-miR8015-5p\_R1-15L24 | AAUAUUGGAUAUUGAAACAUGACU |
| stu-miR8018\_R5-19L24 | UAUUCUGACCGUAGAUCCCAUC |
| stu-miR8019-3p\_R9-23L24 | AGCUGACUAGACCUGGUUUGACUU |
| stu-miR8019-5p\_R8-22L23 | ACAGGUCAUUCUUUAUCGUCUAGC |
| stu-miR8020\_R9-23L24 | AAAGCUGAGUAUGUUGUUGUAACU |
| stu-miR8021\_R10-24L24 | AAGGGGGAUUCAAACUCGAGACCU |
| stu-miR8022\_R4-18L24 | GAAAAUGAGAAUUUUGGGCAGUGA |
| stu-miR8024a-5p\_R5-19L24 | AAUAUGGUAGAAUUUAAAGACUU |
| stu-miR8024b\_R1-15L24 | CUUGGUAGCUUGGAGGAUUUGAAG |
| stu-miR8026\_R5-19L24 | AGAGAAUAUGUGGUAGCUAGCAGU |
| stu-miR8027\_R4-18L24 | AAGUUCGAGAUAAGUUAUUAAACU |
| stu-miR8028-3p\_R1-15L24 | CACGAGUAGUUCAUAAUUAUAGU |
| stu-miR8029\_R19-5L24 | AAAACAAAGAAAAAUCGGUGAGGA |
| stu-miR8030-5p\_R23-9L23 | AAAACCCGAGACCAAACUCUCAGA |
| stu-miR8032d-3p\_R22-4L22\_15C-G | ACUCCCUAAUCGCACGAACUCACU |
| stu-miR8033-5p\_R2-16L22 | AGACUGUCCAAAGCUGCAGAAGAA |
| stu-miR8034\_R6-21L22 | AAUCAAACACUGCAAAAACGGAAU |
| stu-miR8035\_R21-6L22 | AUUGUUUGAAAGUGAUAUUGAAGU |
| stu-miR8036-3p\_R5-22L22 | UCUUUCCGAUGCCUCCCA |
| stu-miR8036-5p\_R7-21L21 | AUCGAAAGAUAUAAGAAUCGGACC |
| stu-miR8037\_R8-22L22 | AGGAGGAAUAGGAACCGAGACCCU |
| stu-miR8039\_R6-20L21 | UCGACCUUAUCUGAACUAUCACAGUC |
| stu-miR8043\_R16-1L21 | UAAGUCCAAUUAUAUCAUCUUACU |
| stu-miR8044-5p\_R5-19L21 | AAAUAUGGUUGGAGAGGUUUCAUU |
| stu-miR8046-3p\_R17-3L21 | AAGUACUUGAUCGAAAUUUCAGAC |
| stu-miR8050-3p\_R3-21L21\_15T-G | AUAACACUUGAGAUUCCGACUUGG |
| stu-miR827-3p\_R21-7L21 | AAAAGGACUUGUUUGUUGAUGUUC |
| tae-miR1118\_R7-21L23 | AAUAAAUUAUGGAAUGGAGGAUAA |
| tae-miR1120b-3p\_R15-1L21 | AUCUACGCCCACAAUAUAAGAACA |
| tae-miR1120c-5p\_R6-20L21 | ACUAAGAACGUUUUUGAGCUACUU |
| tae-miR1121\_R1-15L22 | AUCGUAUGAGUAGUGAUCUAAACU |
| tae-miR1123\_R21-7L23 | UAUGAGACCAGGUCUUAACUGAUC |
| tae-miR1124\_R2-16L22 | AGGUGACAGGACGUGAAGAGCACU |
| tae-miR1125\_R1-15L24 | UAAACCAACGAGACCAAUUACAGA |
| tae-miR1127b-3p\_R7-21L21 | AACAUUUCUGGACGGAGGUUCGCC |
| tae-miR1130b-3p\_R3-17L21 | AUUUUAUAUUAUGGGACGUUUAGU |
| tae-miR1134\_R8-23L24 | AAGGACGAACAAGAAGAAGAAGAA |
| tae-miR1135\_R6-20L24 | ACACAAGUAAUUCCGAAAGUUAUU |
| tae-miR5048-5p\_R16-1L22 | AACGGGCACCUAAAACCUGCAAAA |
| tae-miR5049-3p\_R19-4L21 | AACUCCCUCCGAUCCAUGGAUUUU |
| tae-miR5384-3p\_R17-3L21 | CGACGGCGGCGCGCUGUACGACGACCUGCU |
| tae-miR9653a-3p\_R5-19L21 | AUUGAAAGACUUUGGCCAUGGAUC |
| tae-miR9655-3p\_R1-15L21 | AGCAAGGGAAGGAAGUAACU |
| tae-miR9658-3p\_R20-2L21\_14A-T | AAAUGCCUAUUCACCCUGAACGAC |
| tae-miR9663-5p\_R4-18L21 | AAGACGUAGUCGAACGAAUAGGGU |
| tae-miR9665-3p\_R7-21L23 | AGUUCCAGGAGUGUAAACUCAAAU |
| tae-miR9668-5p\_R4-18L21 | AUAUGACAAGUAUUUUCCAAUGGG |
| tae-miR9670-3p\_R4-18L21 | AUGGAAUACUUGAAGACGAAGACU |
| tae-miR9679-5p\_R19-5L21 | AACGGAUUGGCUACUCAUUCUGGU |
| tae-miR9773\_R6-21L24 | UCCGCUUUUAUGUUAUUUUGUACUGUACA |
| tae-miR9775\_R7-21L22 | AGGGACAAUAAGAUUUUGCUGGCU |
| tcc-miR169i\_R1-21L21 | UAGCCAAGGAUGAGUUGCCUGA |
| tcc-miR172d\_R17-3L21 | AAGAGCAUCAUCAGGAUUAGUUGA |
| tcc-miR396d | UUCCACGGCUUUCUUGAACUU |
| tcc-miR399e\_R1-15L21 | CGCCAAAGGAGAAUU |
| tcc-miR399f\_R4-18L21 | AAUCAGAGGAGAUUUGCCUGAACU |
| tcc-miR530a\_R1-20L20 | UGCAUUUGCACCUGCACCUCU |
| tcc-miR535\_R18-4L21 | GAGAUUGCUCUCUAUCGUUGGAGA |
| unknown | GCCUGUCGGGACCCGAAAGAUGGUGAACU |
| vun-miR2118\_R1-17L22 | UUGCCGAUUCCACCCAUGCCGU |
| vun-miR482\_R1-19L24\_14G-A | UCUUCCCAAUUCCACCCAUGCC |
| vvi-miR156e\_R3-17L20 | CAGAAACAGAGGAGAGUGAGAGCA |
| vvi-miR169d\_R2-17L21 | UCCGGAAAGCCAAGAAUGAUUUGGA |
| vvi-miR171j\_R4-21L21 | UUGAGCCGUGCCAAUAUCU |
| vvi-miR172a\_R2-21L21 | AGAAUCUUGAUGAUGCUACAU |
| vvi-miR172b\_R21-7L21 | GUAGAGUGUAGCAUCAUCAAAAGG |
| vvi-miR3623-5p\_R15-1L22 | ACAAUGGAUGAACUUGUGAAGGAUGCAGA |
| vvi-miR3624-5p\_R21-7L21 | AUCUAAAGACAGCAGCUUUGUUAGC |
| vvi-miR3625-3p\_R19-5L21 | AUUGGUUCCAGUAGUCAUCUGACC |
| vvi-miR3626-3p\_R3-17L21 | ACCAUGUCAAUUUCACAGCGAACU |
| vvi-miR3627-5p\_R2-21L22 | UGUCGCAGGAGAGACGGCACC |
| vvi-miR3629a-5p\_R20-4L21 | AUGUUUGGCUGCUGAGAAAAUUGA |
| vvi-miR3630-3p\_R3-21L22 | ACUUGGUCUAAUGGGAAUCUCUCUGAUGCAU |
| vvi-miR3631d\_R15-1L22 | AACGAUGAUGUCAACAUGGAAAGG |
| vvi-miR3633a-5p\_R3-19L20 | AAAUAAUGGAUGGUUAGGAGAUGC |
| vvi-miR3633b-3p\_R16-2L22 | GUUUGGAUGGCAUGGGAA |
| vvi-miR3633b-5p\_R3-17L21 | GACAGUGAAAAUGGGUGGCUGGGA |
| vvi-miR3634-5p\_R21-5L21 | AUCUUUCCGUCACACAUAACUAUU |
| vvi-miR3636-5p\_R24-10L24 | AUUGAGAAUCUAUCAAAGAAAGGU |
| vvi-miR3637-3p\_R5-19L24 | UACGAAACUGACAAGACACAAUGC |
| vvi-miR3637-5p\_R3-17L24 | AAAGAUUUGUUAUGUAUUGUGUUU |
| vvi-miR3639-3p\_R20-6L24 | UUUCUGAGAAGCCAAACAAGUAAU |
| vvi-miR477b-3p\_R17-3L21 | AUUUUCGUCUCCCCAAAGACUUGA |
| vvi-miR845b\_R2-17L21 | CCAAGAGCUCUGAUACCAAUUUGUUG |
| vvi-miR845c\_R1-15L21 | AAGGCUCUGAUACCAACAUGGGGU |
| vvi-miR845e\_R1-19L21 | AUGGCUCUGAUACCAAUUGAAGGG |
| zma-miR159d-5p\_R18-1L21 | UUUGGAUCGAAGGGAGCUCUA |
| zma-miR159e-3p\_R2-20L21\_9G-A | UUUGGUUUAAAGGGAGCUCC |
| zma-miR159e-5p\_R5-19L21 | AAUUCCUGCAGCAUCUGUAGCGUU |
| zma-miR159i-3p\_R1-20L21 | UUUGGAGUGAAGGGAGCUCUA |
| zma-miR160d-3p\_R7-21L21 | UUUACAUGUGGAGCCAAGCAUGCC |
| zma-miR162-5p\_R19-5L21 | UCGAUAAACCACUGCAUCCAG |
| zma-miR166j-5p\_R16-2L22 | AUACUUUUACCAGACAAACAAACU |
| zma-miR166l-5p\_R16-2L20 | ACAACUCUCGGACCAGCCUCCAUU |
| zma-miR167j-3p\_R1-20L20 | UCAGAUCAUGUGGCAGUUUCAUU |
| zma-miR169b-3p\_R3-21L21 | CAAGUUGUUCUUGGCUACAUG |
| zma-miR171i-5p\_7C-A | UGUUGGAACGGUUCAAUCAAA |
| zma-miR171n-5p\_R16-1L21 | AGACUUGAACCUCACCAAUAAAGU |
| zma-miR2275c-5p\_R21-6L21 | AUCGUGAGGGUUCAAGUCCCUCUAUCCCCCCCA |
| zma-miR2275d-3p\_R16-2L22 | ACAUUAGAGGAAAACAAGACUAUC |
| zma-miR2275d-5p\_R19-1L21\_13C-A | AUUUUCUUUCCUCAAACUCUUCGC |
| zma-miR393b-3p\_R16-2L22 | AACAAAGGAUCGCAUUGACAGAGA |
| zma-miR395a-5p\_R6-20L23 | ACGAGAACCUCAAACCACUUCAUU |
| zma-miR395c-5p\_R8-22L22 | GCAAACACUUCACCAAUUGGAGGG |
| zma-miR395f-5p\_R8-22L22 | ACAAGCACGUCUCGAAAAUCAACU |
| zma-miR395l-5p\_R5-19L22 | CUUCCAAACACUUCAAAAAGAGU |
| zma-miR395m-5p\_R6-20L22 | UUUCAAACACUUCACGAACUCACC |
| zma-miR395o-3p\_R4-18L21 | AAAGUGUUUGGGUGAAAUCGCAUU |
| zma-miR396g-3p\_R20-2L21 | CUUCCACAGCUUUCUUGAAUUUU |
| zma-miR398b-5p\_R1-16L21 | CCGGGGGGCGGACUGGGAACGGCCCC |
| zma-miR399e-5p\_R5-19L21 | UUUCUCUUUCUUGGCAACUUGGAC |
| zma-miR399f-5p\_R20-6L22 | AAAAAGAAAUGCCAAAGGAGAAGU |
| zma-miR408b-5p\_R15-1L21 | UCUGCCUCGUCCCUGACUUGUU |
| zma-miR827-5p\_R15-1L21 | GAUGACCACCAACAAAACGUUAGU |