Table S1. Number of known miRNAs in each miRNA family

miRNA Name	Mature Sequence	Gene Length	Genome ID
stu-miR156a	TTGACAGAAGATAGAGAGCAC	21	chr02
stu-miR156b	TTGACAGAAGATAGAGAGCAC	21	chr02
stu-miR156c	TTGACAGAAGATAGAGAGCAC	21	chr02
stu-miR156d-3p	GCTCTCTATGCTTCTGTCATCA	22	chr06
stu-miR156d-5p	TTGACAGAAGATAGAGAGCAC	21	chr06
stu-miR156e	TGACAGAAGAGAGTGAGCAC	20	chr07
stu-miR156f-3p	CTCACTTCTCTTTCTGTCAATC	22	chr12
stu-miR156f-5p	CTGACAGAAGAGAGTGAGCA	20	chr12
stu-miR156g-3p	GCTTACTCTCTATCTGTCACC	21	chr08
stu-miR156g-5p	TGACAGAAGAGAGTGAGCAC	20	chr08
stu-miR156h-3p	GCTCACTGCTCTATCTGTCACC	22	chr08
stu-miR156h-5p	TGACAGAAGAGAGTGAGCAC	20	chr08
stu-miR156i-3p	GCTCACTGCTCTATCTGTCACC	22	chr08
stu-miR156i-5p	TGACAGAAGAGAGTGAGCAC	20	chr08
stu-miR156j-3p	GCTCACTGCTCTATCTGTCACC	22	chr08
stu-miR156j-5p	TGACAGAAGAGAGTGAGCAC	20	chr08
stu-miR156k-3p	GCTCACTGCTCTATCTGTCACC	22	chr08
stu-miR156k-5p	TGACAGAAGAGAGTGAGCAC	20	chr08
stu-miR160a-3p	GCGTATGAGGAGCCAAGCATA	21	chr05
stu-miR160a-5p	TGCCTGGCTCCCTGTATGCCA	21	chr05
stu-miR160b	TGCCTGGCTCCCTGTATGCCA	21	chr02
stu-miR162a-3p	TCGATAAACCTCTGCATCCAG	21	chr03
stu-miR162a-5p	GGAGGCAGCGGTTCATCGATC	21	chr03
stu-miR162b-3p	TCGATAAACCTCTGCATCCAG	21	chr06
stu-miR162b-5p	GGAGGCAGCGGTTCATCGATC	21	chr06
stu-miR164-3p	CATGTGCTCTAGCTCTCCAGC	21	chr06
stu-miR164-5p	TGGAGAAGCAGGGCACATGCT	21	chr06
stu-miR166a-3p	TCGGACCAGGCTTCATTCCCC	21	chr01
stu-miR166a-5p	GGAATGTTGTCTGGCTCGAGG	21	chr01
stu-miR166b	TCGGACCAGGCTTCATTCCTC	21	chr06
stu-miR166c-3p	TCGGACCAGGCTTCATTCCCC	21	chr08
stu-miR166c-5p	GGAATGTTGTTTGGCTCGAGG	21	chr08
stu-miR166d-3p	TCGGACCAGGCTTCATTCCCC	21	chr06
stu-miR166d-5p	AGAATGTCGTCTGGTTCGAGA	21	chr06
stu-miR167a-3p	GATCATGTGGCAGCCTCACC	20	chr06
stu-miR167a-5p	TGAAGCTGCCAGCATGATCTA	21	chr06
stu-miR167b-3p	GATCATGTGGCAGCATCACC	20	chr09
stu-miR167b-5p	TGAAGCTGCCAGCATGATCTA	21	chr09
stu-miR167c-3p	GGTCATGCTCGGACAGCCTCACT	23	chr09
stu-miR167c-5p	TGAAGCTGCCAGCATGATCTA	21	chr09
stu-miR167d-3p	GATCATGTGGTTGCTTCACC	20	chr09

stu-miR167d-5p	TGAAGCTGCCAGCATGATCTA	21	chr09
stu-miR169d-3p	GCAGGTCATCTTTAGCTAACT	21	chr07
stu-miR169e-3p	GCAAGTTATCCTGGCTATC	19	chr07
stu-miR169f-3p	GCAAGCATCCTTGGCGACT	19	chr08
stu-miR169f-5p	TAGCCAAGGATGACTTGCCT	20	chr08
stu-miR171a-3p	TGATTGAGCCGTGCCAATATC	21	chr02
stu-miR171a-5p	TATTGGCCTGGTTCACTCAGA	21	chr02
stu-miR171b-3p	TTGAGCCGCGTCAATATCTCT	21	chr07
stu-miR171b-5p	AGATATTGATGTGGCTCAATC	21	chr07
stu-miR171c-3p	TGATTGAGCCGTGTCAATATC	21	chr02
stu-miR171c-5p	TATTGGCCTGGTTCACTCAGA	21	chr02
stu-miR171d-3p	TTGAGCCGTGCCAATATCACG	21	chr02
stu-miR171d-5p	AGATATTGGTGCGGTTCAATT	21	chr02
stu-miR171e	TGATTGAGCCGTGCCAATATC	21	chr06
stu-miR172a-3p	AGAATCTTGATGATGCTGCAT	21	chr06
stu-miR172a-5p	GTAGCATAATCAAGATTCACA	21	chr06
stu-miR172b-3p	AGAATCTTGATGATGCTGCAT	21	chr05
stu-miR172b-5p	GCAGCACCATCAAGATTCACA	21	chr05
stu-miR172d-3p	GGAATCTTGATGATGCTGCAG	21	chr05
stu-miR172d-5p	GGAGCATCATCAAGATTCACA	21	chr05
stu-miR172e-3p	AGAATCTTGATGATGCTGCAT	21	chr11
stu-miR172e-5p	GCAACATCATCAAGATTCACA	21	chr11
stu-miR1886a	ATGGTATCGTGAGATGAAATCAGC	24	chr02
stu-miR1886b	ATGGTATCGTGAGATGAAATCAGC	24	chr02
stu-miR1886c	ATGGTATCGTGAGATGAAATCAGC	24	chr08
stu-miR1886d	ATGGTATCGTGAGATGAAATCAGC	24	chr03
stu-miR1886e	ATGGTATCGTGAGATGAAATCAGC	24	chr08
stu-miR1886f	ATGGTATCGTGAGATGAAATCAGC	24	chr06
stu-miR1886g-5p	GAGATGAGATCAATGTTTGGACAT	24	chr08
stu-miR1886h	ATTTTACGTTGATTTCATCTCATG	24	chr07
stu-miR1886i-3p	TTTACGTTGATTTCATCTCATGA	23	chr06
stu-miR1886i-5p	ATGAGATGAAATTAGCGTTTGGAT	24	chr06
stu-miR1919-3p	ACGAGAGTCATCTGTGACAGG	21	chr08
stu-miR1919-5p	TGTCGCAGATGACTTTCGCCC	21	chr08
stu-miR319-3p	TTGGACTGAAGGGTTCCCTTC	21	chr03
stu-miR319-5p	AGGAAACTGTTTAGTCCAACC	21	chr03
stu-miR319a-3p	TTGGACTGAAGGGAGCTCCCT	21	chr08
stu-miR319a-5p	AGAGCTTTCTTCGGTCCACAC	21	chr08
stu-miR319b	TTGGACTGAAGGGAGCTCCT	20	chr03
stu-miR3627-3p	AAGTGCCTCTGTCTTTCGACA	21	chr02
stu-miR3627-5p	TCGCAGGAGAGATGGCACTTAG	22	chr02
stu-miR384-5p	TTGGCATTCTGTCCACCTCC	20	chr01
stu-miR390-3p	CGCTATCCATCTTGAGTTTTA	21	chr10
stu-miR390-5p	AAGCTCAGGAGGGATAGCACC	21	chr10

stu-miR391-3p	GCATCATACTCCTGCATATT	20	chr06
stu-miR391-5p	TACGCAGGAGAGATGATGCTG	21	chr06
stu-miR393-3p	ATCATGCGATCTCTTCGGAAT	21	chr03
stu-miR393-5p	TCCAAAGGGATCGCATTGATCC	22	chr03
stu-miR395a	CTGAAGTGTTTGGGGGAACTC	21	chr03
stu-miR395b	CTGAAGTGTTTGGGGGAACTC	21	chr03
stu-miR395c	CTGAAGTGTTTGGGGGAACTC	21	chr05
stu-miR395d	CTGAAGTGTTTGGGGGAACTC	21	chr05
stu-miR395e	CTGAAGTGTTTGGGGGAACTC	21	chr05
stu-miR395f	CTGAAGTGTTTGGGGGAACTC	21	chr05
stu-miR395g	CTGAAGTGTTTGGGGGAACTC	21	chr05
stu-miR395h	CTGAAGTGTTTGGGGGAACTC	21	chr05
stu-miR395i	CTGAAGTGTTTGGGGGAACTC	21	chr05
stu-miR395j	CTGAAGTGTTTGGGGGAACTC	21	chr05
stu-miR396-3p	GTCCAAGAAAGCTGTGGGAAA	21	chr07
stu-miR396-5p	TTCCACAGCTTTCTTGAACTT	21	chr07
stu-miR397-3p	CATCAACGCTACACTCAATCA	21	chr07
stu-miR397-5p	ATTGAGTGCAGCGTTGATGAC	21	chr07
stu-miR398a-3p	TATGTTCTCAGGTCGCCCCTG	21	chr11
stu-miR398a-5p	GGGTTGATTTGAGAACATATG	21	chr11
stu-miR398b-3p	TTGTGTTCTCAGGTCACCCCT	21	chr03
stu-miR399a-3p	TGCCAAAGGAGAGCTGCCCTG	21	chr03
stu-miR399a-5p	GGGCTACTCTCTATTGGCATG	21	chr03
stu-miR399b-3p	TGCCAAAGGAGAGCTGCCCTG	21	chr03
stu-miR399b-5p	GGGCTACTCTCTATTGGCATG	21	chr03
stu-miR399c-3p	TGCCAAAGGAGAGCTGCCCTG	21	chr03
stu-miR399c-5p	GGGCTACTCTCTATTGGCATG	21	chr03
stu-miR399d-3p	TGCCAAAGGAGAGCTGCCCTG	21	chr03
stu-miR399d-5p	GGGCTACTCTCTATTGGCATG	21	chr03
stu-miR399e-3p	TGCCAAAGGAGAGCTGCCCTG	21	chr03
stu-miR399e-5p	GGGCTACTCTCTATTGGCATG	21	chr03
stu-miR399f-3p	TGCCAAAGGAGAGCTGCCCTG	21	chr03
stu-miR399f-5p	GGGCTACTCTCTATTGGCATG	21	chr03
stu-miR399g-5p	GGGCTACTCTCTATTGGCATG	21	chr03
stu-miR399h	GGGCTACTCTCTATTGGCATG	21	chr12
stu-miR399i-3p	TGCCAAAGGAGAGTTGCCCTA	21	chr03
stu-miR399i-5p	GGGCTACACTCTATTGGCATG	21	chr03
stu-miR399j-3p	CGCCAAAGGAGAGCTGCCCTG	21	chr03
stu-miR399j-5p	GGGCTACTCTCTATTGGCATA	21	chr03
stu-miR399k-3p	CGCCAAAGGAGAGCTGCCCTG	21	chr03
stu-miR399k-5p	GGGCTACTCTCTATTGGCATG	21	chr03
stu-miR399l-3p	CGCCAAAGGAGAGCTGCCCTG	21	chr03
stu-miR399l-5p	GGGCTACTCTCTATTGGCATG	21	chr03
stu-miR399m-3p	CGCCAAAGGAGAGCTGCCCTG	21	chr03

stu-miR399m-5p	GGGCTACTCTCTATTGGCATG	21	chr03
stu-miR399n-3p	CGCCAAAGGAGAGCTGCCCTG	21	chr03
stu-miR399n-5p	GGGCTACTCTCTATTGGCATG	21	chr03
stu-miR399o-3p	CGCCAAAGGAGAGCTGCCCTG	21	chr03
stu-miR399o-5p	GGGCTACTCTCTATTGGCATG	21	chr03
stu-miR408a-3p	TGCACAGCCTCTTCCCTGGTT	21	chr01
stu-miR408a-5p	ACAGGGACGAGGCAGCGCATG	21	chr01
stu-miR408b-3p	TGCACTGCCTCTTCCCTGGCT	21	chr01
stu-miR408b-5p	ACGGGGACGAGACAGAGCATG	21	chr01
stu-miR477a-3p	GAAGCTCTAGCAGGGAGAGCCA	22	chr01
stu-miR477a-5p	CCTCTCCCTCAAGGGCTTCTC	21	chr01
stu-miR477b-3p	GAGGTCTTTCGAGTGAGAGTGA	22	chr01
stu-miR477b-5p	ACTCTCCCTCAAAGGCTTCTG	21	chr01
stu-miR479	TGAGCCGAACCAATATCACTC	21	chr03
stu-miR482a-3p	TTTCCAATTCCACCCATTCCTA	22	chr03
stu-miR482a-5p	GGAATTGGTGGATTGGAAAGC	21	chr03
stu-miR482b-3p	TTACCGATTCCCCCCATTCCAA	22	chr06
stu-miR482b-5p	GGAGTGGGTGGCATGGTAAGA	21	chr06
stu-miR482c	TTTCCTATTCCACCCATGCCAA	22	chr06
stu-miR482d-3p	TCTTGCCTACACCGCCCATGCC	22	chr06
stu-miR482d-5p	CGTGAGTGGTGGGGTAAGATA	21	chr06
stu-miR482e-3p	TCTTGCCAATACCGCCCATTCC	22	chr06
stu-miR482e-5p	AGTGGGTGGTGTGGTAAGATT	21	chr06
stu-miR530	TCTGCATTTGCACCTGCACCT	21	chr09
stu-miR5303a	TTTTGGAGAATCCGACACGCACCC	24	chr10
stu-miR5303b	TTTTGGAGAATCCGACACGCACCC	24	chr03
stu-miR5303c	TTTTGGAGAATCCGACACGCACCC	24	chr11
stu-miR5303d	TTTTGGAGAATCCGACACGCACCC	24	chr01
stu-miR5303e	TTTTGGAGAATCTGACACGGGTGT	24	chr07
stu-miR5303f	ATTTTTGGAGAATCTGACACGGGT	24	chr06
stu-miR5303g	ATATTTTTGAAGAGTCTGAGCAAC	24	chr12
stu-miR5303h	AACATTTTTGAAGAGTCTGAGCAA	24	chr07
stu-miR5303i	ATATTTTTGAAGAGTCTGAGCAAC	24	chr04
stu-miR5303j	AATATTTTTGAAGAGTCTGAGCAA	24	chr05
stu-miR5304-5p	CAATGCAACATACTCATCACC	21	chr01
stu-miR6022	TGGAAGGGAGAATATCCAGGA	21	chr11
stu-miR6023	TTCCATGAAAGTGTTTTTGGAT	22	chr12
stu-miR6024-3p	TTTTAGCAAGAGTTGTTTTCCC	22	chr01
stu-miR6024-5p	AGAAACAACACTTGCTAAAAGA	22	chr01
stu-miR6025	TACCAACAATTGAGATAACATC	22	chr04
stu-miR6026-3p	TTCTTGGCTAGAGTTGTATTGC	22	chr01
stu-miR6026-5p	AATACAACTATTGCCAAGACAA	22	chr01
stu-miR6027	TGAATCCTTCGGCTATCCATAA	22	chr10
stu-miR6149-3p	TGATTCAGGTTTGTATGCAAAC	22	chr11

stu-miR6149-5p	TTGCAACACACCTGAATCGTC	21	chr11
stu-miR7122-3p	ACAGCGTTTCTCTGTATAACC	21	chr11
stu-miR7122-5p	TTATACAGAGAAACCGCTGTCG	22	chr11
stu-miR7979	AGGTACATGAACTCTAACGAGGCA	24	chr09
stu-miR7980b-3p	GAGATGGAATCAGTGTTTGGACAT	24	chr03
stu-miR7980b-5p	GTCCAAACACTGATTCCATCTCAT	24	chr03
stu-miR7981-3p	ATAGGACTTTAGTTTAGTTAAGGT	24	chr08
stu-miR7981-5p	GTTAATTAAACTATGGTCCTATTA	24	chr08
stu-miR7982a	AAGTTGGATGATAATAATATATAT	24	chr01
stu-miR7982b	AAGTTGGATGATAATAATATATAT	24	chr10
stu-miR7983-3p	ACTAATGCCGGTAAAGACTTTAAC	24	chr06
stu-miR7983-5p	TAAAGTCTTTAGCGACATTGGTTC	24	chr06
stu-miR7984a	ATACCGAACTTTGGAAATGACCTT	24	chr12
stu-miR7984b-5p	ATACCGAACTTTGGAAATGACCTT	24	chr02
stu-miR7984c-3p	CCTTCATAAAGTTTGGTATCGTAA	24	chr01
stu-miR7984c-5p	ACGATACCAAACTTTATGAAGGAC	24	chr01
stu-miR7984d-3p	CAATTTCGGTCAAAGTTCGGATAT	24	chr06
stu-miR7984d-5p	ATCCGAACTTTGACCGAAATTGCT	24	chr06
stu-miR7985	CGGGCTTGCCTAGAACGGGTTACC	24	chr09
stu-miR7987	ACACTAGTTGATCTTATTGATGAC	24	chr07
stu-miR7988	AACGGAAAAGGGCCAAAAATACCC	24	chr03
stu-miR7989	ACAAATAAGTCCATTACCTGAACC	24	chr03
stu-miR7990a	TTCAAATGATCGTAACTTTGGCCT	24	chr02
stu-miR7990b	GAATTTTCAAATGATCGTAACTTT	24	chr12
stu-miR7992-3p	TGTCTAGATGTGCATTTCAAAGT	23	chr03
stu-miR7992-5p	TTTGACAATGCACATCTAGACACT	24	chr03
stu-miR7993a	ATATTTTATGTGGTTAACTTAACT	24	chr03
stu-miR7993b-3p	ATATTTTATGTGGTTAACTTAACT	24	chr08
stu-miR7993c	ATATTTTATGTGGTTAACTTAACT	24	chr07
stu-miR7993d	ATATTTTATGTGGTTAACTTAACT	24	chr07
stu-miR7994a	ATATTATACTTGGGCATAAACTCC	24	chr04
stu-miR7994b-3p	ATATTATACTTGGGCATAAACTCC	24	chr01
stu-miR7995	TTACACGTAGACAAGTTGACCATT	24	chr05
stu-miR7996a	ATGTGGTACATATGAAATTTGAAA	24	chr02
stu-miR7996b	ATGTGGTACATATGAAATTTGAAA	24	chr02
stu-miR7996c	ATGTGGTACATATGAAATTTGAAA	24	chr02
stu-miR7997a	ATGCTGCTCGGACTCTTCAAA	21	chr02
stu-miR7997b	ATGCTGCTCGGACTCTTCAAA	21	chr10
stu-miR7997c	ATATTGCTCGGACTCTTCAAAAAT	24	chr05
stu-miR7998	ACGGACCGTAGATCAATCCACAGT	24	chr04
stu-miR7999-3p	ACGACCCGTAGAACTGCCCACGAC	24	chr12
stu-miR8000	ACACCGAAGAACTGACACCGAAGA	24	chr12
stu-miR8001a	TCCTGGGGATTAGTATGAAAATTC	24	chr07
stu-miR8001b-3p	GGATTTTCATACTAATTCCTAGAA	24	chr02

stu-miR8001b-5p	ATGGGGATTAGTATGAAAATTTGC	24	chr02
stu-miR8002-5p	TTTTTCGTGATAATAATGGAATCA	24	chr04
stu-miR8003	ATTTCGGTATACAAATGGGATGAC	24	chr04
stu-miR8004	AGGGGTTGTGTATGTGTTTGGCCT	24	chr02
stu-miR8005b-5p	ACTCTAAATTTTAAATTCTAAATC	24	chr01
stu-miR8006-3p	TGCCCTGCCGTCCAAAAAATAGA	23	chr06
stu-miR8006-5p	TAGTTTTTGGACGACAGGGGCACC	24	chr06
stu-miR8007a-3p	CGAAAAATGAAAAGTGCCACATAA	24	chr07
stu-miR8007a-5p	ATGTGGCACTTTTCGGATTTTGAG	24	chr07
stu-miR8007b-3p	CGAAAAATGAAAAGTACCACATAA	24	chr03
stu-miR8007b-5p	ATGTGACACTTTTTGAATTTCGAG	24	chr03
stu-miR8008a	ATTTCCAGAAAAGCGACGGACAGT	24	chr12
stu-miR8008b	AAACCCAGAAAAGCGACGGACAGT	24	chr02
stu-miR8009	ATTTCCAGAAAAGCGACGGACAGT	24	chr11
stu-miR8010	ATAGGACCCTAGTTAAATTTAGGT	24	chr09
stu-miR8011a-3p	AATAAAAAGAAGCCTCACACAACT	24	chr01
stu-miR8011a-5p	TTGTGTGAGGTTTCTTTTTGTTTC	24	chr01
stu-miR8011b-3p	TTCGTGAGACAAAAAGAAGCCT	22	chr03
stu-miR8012	ATGACTTTAAGTCGCGTCTGGCCC	24	chr01
stu-miR8013	AGAAGAAAATCGCTCCGTCAGAAG	24	chr01
stu-miR8014-3p	ATGAATACAATGTTTGGATAAATT	24	chr10
stu-miR8014-5p	ATTGTTTCATATTGTATTGTATTT	24	chr10
stu-miR8015-3p	GTTTCATTTTCAAGGTCCAATAGC	24	chr06
stu-miR8015-5p	TATTGGATATTGAAAATGAAACTT	24	chr06
stu-miR8016	ATTTTTGAATGGAAGGCCCATGTG	24	chr09
stu-miR8017	ATCCAAGTGAAGTGTATCGTCTCA	24	chr04
stu-miR8018	ACGAACCGTAGATCCCATCCGTGG	24	chr02
stu-miR8019-3p	AAAAGAATGACCTGGTTTGACTTG	24	chr05
stu-miR8019-5p	AGGGAAGCAGGTCATTCTTTATG	23	chr05
stu-miR8020	AATTTCATTGAGTATGTTGTTGTT	24	chr09
stu-miR8021	ATTCAAGGCTCAAACTCGAGACCT	24	chr01
stu-miR8022	TTTAAATGAGAATTTTGGACTATT	24	chr04
stu-miR8023	TTTGGCACAATTTCATTGGCAACC	24	chr06
stu-miR8024a-3p	TTGGAGGATTTGAAGATTTCAACT	24	chr01
stu-miR8024a-5p	TTGAAGAATTTAAAGACTTCAACT	24	chr01
stu-miR8024b	TTGGAGGATTTGAAGATTTCAACT	24	chr09
stu-miR8025-3p	TTTAATTGCATGCCAAGTGTGTGG	24	chr12
stu-miR8025-5p	ACATACTCGACATGCAATTAAATT	24	chr12
stu-miR8026	ATGTAGAGAATATGTGGTAACCCT	24	chr11
stu-miR8027	ATCTCGAGATAAGTTATTCTGGAC	24	chr02
stu-miR8028-5p	TCCTTATGCTACAATTGTGAACAA	24	chr12
stu-miR8030-3p	TTAAAACCAAATCAACCCAAAT	22	chr07
stu-miR8030-5p	TTGGGTTGGTTTGGTCTCGGGTT	23	chr07
stu-miR8031	TTAGACACCTCAACTAAGACTTG	23	chr08

stu-miR8032a-3p	AGTGTGAGTCGGTGTGATTAGG	22	chr10
stu-miR8032a-5p	TGGTCGGCATGACTCCCGAGGT	22	chr10
stu-miR8032b-3p	AGTGTGAGTCGGTGCGATTAGG	22	chr12
stu-miR8032b-5p	TGGTCGGCATGACTCCCGAGGT	22	chr12
stu-miR8032c	TGGTCGGCATGACTCCCGAGGT	22	chr04
stu-miR8032d-5p	TGGTCGGCATGACTCCCGAGGT	22	chr09
stu-miR8032e-3p	AGTGTGAGTCGGTGTGATTAGG	22	chr10
stu-miR8032e-5p	TGGTCGGCATGACTCCCGAGGT	22	chr10
stu-miR8032f-3p	AGTGTGAGTCGGTGCGATTAGG	22	chr12
stu-miR8032f-5p	TGGTCGGCATGACTCCCGAGGT	22	chr12
stu-miR8032g-3p	AGTGTGAGTCGGTGCGATTAGG	22	chr04
stu-miR8032g-5p	TGGTCGGCATGACTCCCGAGGT	22	chr04
stu-miR8033-3p	TCAATTCTGCAGCTTTAGGAGT	22	chr01
stu-miR8033-5p	TTCCAAAGCTGCAGAAATGAGT	22	chr01
stu-miR8035	TCCATCTTCAATATCACTTTCT	22	chr05
stu-miR8036-3p	TATGTCTTTCCGATGCCTCCCA	22	chr04
stu-miR8036-5p	GGAGGAATCGAAAGATATAAG	21	chr04
stu-miR8037	ATAATTTGGAGGAATAGGAACC	22	chr08
stu-miR8038a-3p	GTTCAACTTGCTCACTTGGAG	21	chr04
stu-miR8038a-5p	CCTTGTGAGTAAGTTGAATCTC	22	chr04
stu-miR8038b-3p	GTTCAACTTGCTCACTTGGAG	21	chr04
stu-miR8038b-5p	CCTTGTGAGTAAGTTGAATCTC	22	chr04
stu-miR8039	TTTCCTATCTGAACTATCACC	21	chr03
stu-miR8040-3p	CTTATAATTGTAATTATGATC	21	chr08
stu-miR8040-5p	TCATAATTACAATTATAAGCC	21	chr08
stu-miR8041a-3p	ATGATGTATAGCAAAGAGCCT	21	chr08
stu-miR8041a-5p	GTGCTTTGCTATTTTCATTG	20	chr08
stu-miR8041b-3p	ATGATGTATAGCAAAGAGCCT	21	chr11
stu-miR8041b-5p	GTGCTTTGCTATTTTCATTG	20	chr11
stu-miR8042	ATTAGACTGAAGTGCTGATCT	21	chr02
stu-miR8043	TGATATAATTGGACTTTGGCC	21	chr01
stu-miR8044-3p	TCTCCAGCGATATTTGAAACT	21	chr11
stu-miR8044-5p	TTTCAAATATGGTTGGAGATG	21	chr11
stu-miR8045	ATTGATAGTTGAGGTGTGTTT	21	chr12
stu-miR8046-3p	CGCTGAAATTTCGATCATAAT	21	chr12
stu-miR8046-5p	TATGATCGAAGTTTCAATGAC	21	chr12
stu-miR8047	CCATTTTTTCGAAATTAGACC	21	chr12
stu-miR8048-3p	AGATGGACATGCTAATGAACA	21	chr06
stu-miR8048-5p	CTCATTAGCATCTCCATCTTG	21	chr06
stu-miR8049-3p	CATGTCTACATGAGCCTGATA	21	chr04
stu-miR8049-5p	CAAGGCTCATGCAGACATGCA	21	chr04
stu-miR8050-3p	TGACTTGAGATTCCTACTTGG	21	chr09
stu-miR8050-5p	AAGTAGGAATCAAGGTCAAT	20	chr09
stu-miR8051-5p	TAGTATGGTAGAAAGATTCA	20	chr04

stu-miR827-3p	TTAGATGAACATCAACAAACA	21	chr12
stu-miR827-5p	TTTGTTGATGGTCATCTATTC	21	chr12