

Table S1. Number of known miRNAs in each miRNA family

miR_name	miR_seq	len	genome ID	Expression level
stu-miR156f-3p_1ss21TC	CTCACTTCTCTTCTGTCAACC	22	JH137904.1	middle
stu-miR156e	TGACAGAAGAGAGTGAGCAC	20	PGSC0003DMG400008217	middle
stu-miR156g-3p_L-1R+2	CTTACTCTCTATCTGTCAACCC	22	PGSC0003DMG400008217	middle
stu-miR156a_R+1	TTGACAGAAGATAGAGAGCACA	22	JH138336.1	middle
stu-miR162a-5p_L+1	TGGAGGCAGCGGTTTCATCGATC	22	PGSC0003DMG400004057	middle
stu-miR162a-3p	TCGATAAACCTCTGCATCCAG	21	PGSC0003DMG400004057	high
stu-MIR162a-p3	AAGCGATCGATAAACCTCTGCATC	24	PGSC0003DMG400004057	middle
stu-miR164-5p_R+1_1ss21TC	TGGAGAAGCAGGGCACATGCCG	22	JH138033.1	low
stu-miR164-3p	CATGTGCTCTAGCTCTCCAGC	21	JH138033.1	low
stu-miR166d-5p_2ss8CT20GA	AGAATGTTGTCTGGTTCGAAA	21	JH138443.1	low
stu-miR166a-3p_L+1R-1_1ss9AG	TTCGGACCGGGCTTCATTCCC	21	JH138443.1	low
stu-miR166a-5p_1ss1GN	NGAATGTTGTCTGGCTCGAGG	21	JH137800.1	low
stu-miR166a-3p_L+1_1ss6AG	GTCGGGCCAGGCTTCATTCCCC	22	JH137800.1	low
stu-miR166a-3p_L+1_1ss6AG	GTCGGGCCAGGCTTCATTCCCC	22	JH137934.1	low
stu-miR166b_2ss18CT19CT	TCGGACCAGGCTTCATTTTTC	21	JH137916.1	low
stu-miR167d-3p_L+2	CAGATCATGTGGTTGCTTCACC	22	JH138225.1	middle
stu-miR167a-3p_L+1_1ss4TG	AGAGCATGTGGCAGCCTCACC	21	JH137937.1	low
stu-miR167a-5p	TGAAGCTGCCAGCATGATCTA	21	JH137901.1	high
stu-miR167c-3p_L-1	GTCATGCTCGGACAGCCTCACT	22	JH137901.1	low
stu-miR167a-5p	TGAAGCTGCCAGCATGATCTA	21	JH137901.1	high
stu-miR167b-3p_L+4	ATCAGATCATGTGGCAGCATCACC	24	JH137901.1	middle
stu-miR169d-3p_L+1	AGCAGGTCATCTTTAGCTAACT	22	JH138085.1	low
stu-miR171b-5p_1ss12TC	AGATATTGATGCGGCTCAATC	21	JH138432.1	low
stu-miR171b-3p	TTGAGCCGCGTCAATATCTCT	21	JH138432.1	middle
stu-miR171d-5p	AGATATTGGTGCGGTTCAATT	21	JH137887.1	low
stu-miR171d-5p	AGATATTGGTGCGGTTCAATT	21	JH137887.1	low
stu-miR172e-5p_L-2R+3	AACATCATCAAGATTCACAAAA	22	JH138154.1	low
stu-miR172a-3p	AGAATCTTGATGATGCTGCAT	21	JH138154.1	middle
stu-miR172d-3p_1ss4AG	GGAGTCTTGATGATGCTGCAG	21	JH137992.1	low
stu-MIR319-p5_1ss18CT	TGCTGCTGAATCATTGGTTC	20	PGSC0003DMG402005658	middle
stu-miR319-3p_L+1R-1_1ss17CT	CTTGACTGAAGGGTTTCCTT	21	PGSC0003DMG402005658	middle
stu-miR319a-3p	TTGACTGAAGGGAGCTCCCT	21	JH137840.1	high
stu-miR390-5p_L-3_1ss13GT	CTCAGGAGGTATAGACC	18	JH138232.1	low
stu-miR390-3p_1ss21AT	CGCTATCCATCTTGAGTTTTT	21	JH138232.1	low
stu-miR391-5p_L-1R+2	ACGCAGGAGAGATGATGCTGGA	22	PGSC0003DMG400020777	middle
stu-MIR391-p3	TTAATTATTGGCCAGCATCA	21	PGSC0003DMG400020777	low
stu-miR393-5p	TCCAAAGGGATCGCATTGATCC	22	JH137943.1	middle
stu-miR396-3p	GTCCAAGAAAGCTGTGGGAAA	21	JH138058.1	low
stu-miR397-5p_1ss17AG	ATTGAGTGACGCGTTGGTGAC	21	JH138102.1	middle
stu-miR397-3p_R-2	CATCAACGCTACACTCAAT	19	JH138102.1	middle
stu-miR398a-5p	GGGTTGATTGAGAACATATG	21	JH138006.1	middle
stu-miR398b-3p_1ss13GT	TTGTGTTCTCAGTTCACCCCT	21	JH138056.1	low

stu-miR398a-3p	TATGTTCTCAGGTCGCCCCTG	21	PGSC0003DMG400004715	high
stu-miR399i-3p	TGCCAAAGGAGAGTTGCCCTA	21	JH138739.1	low
stu-miR399j-3p	CGCCAAAGGAGAGCTGCCCTG	21	JH137943.1	low
stu-miR408a-5p	ACAGGGACGAGGCAGCGCATG	21	PGSC0003DMG400018286	middle
stu-miR408a-3p	TGCACAGCCTCTTCCCTGGTT	21	PGSC0003DMG400018286	high
stu-miR408b-5p	ACGGGGACGAGACAGAGCATG	21	PGSC0003DMG400018304	middle
stu-miR408b-3p	TGCACTGCCTCTTCCCTGGCT	21	PGSC0003DMG400018304	high
stu-miR477b-5p	ACTCTCCCTCAAAGGCTTCTG	21	JH137800.1	middle
stu-miR477b-3p_L+2	TAGAGGTCTTTCGAGTGAGAGTG A	24	JH137800.1	middle
stu-miR477a-5p	CCTCTCCCTCAAGGGCTTCTC	21	JH137800.1	middle
stu-miR479_L+2	AATGAGCCGAACCAATATCACTC	23	JH137915.1	low
stu-miR482d-5p	CGTGAGTGGTGGGGTAAGATA	21	JH138014.1	low
stu-miR482b-5p	GGAGTGGGTGGCATGGTAAGA	21	PGSC0003DMG400030780	low
stu-miR482b-3p	TTACCGATTCCCCCATTCCAA	22	PGSC0003DMG400030780	high
stu-miR482a-5p	GGAATTGGTGGATTGGAAGC	21	PGSC0003DMG400024677	middle
stu-miR482a-3p	TTTCCAATTCCACCCATTCTA	22	PGSC0003DMG400024677	high
stu-miR482e-5p	AGTGGGTGGTGTGGTAAGATT	21	PGSC0003DMG400030780	middle
stu-miR482e-3p	TCTTGCCAATACCGCCCATTC	22	PGSC0003DMG400030780	high
stu-miR530_L-2R+2	TGCATTGTCACCTGCACCTTA	21	JH137965.1	middle
stu-miR827-5p	TTTGTGATGGTCATCTATTC	21	JH137826.1	middle
stu-miR1886h_L-1R+1_1ss5TC	TTTCACGTTGATTTCATCTCATGA	24	JH137948.1	low
stu-miR1886a_1ss17AG	ATGGTATCGTGAGATGGAATCAGC	24	PGSC0003DMG400020212	middle
stu-MIR1886a-p3_1ss15TC	ATTTTACGCTGATTCCATCTCATG	24	PGSC0003DMG400020212	middle
stu-miR3627-5p	TCGCAGGAGAGATGGCACTTAG	22	JH137794.1	middle
stu-miR3627-3p_1ss11GA	AAGTGCCTCTATCTTTCGACA	21	JH137794.1	low
stu-MIR5303d-p5	CGGATTCTCCAAAAATACACTACT	24	PGSC0003DMG400014722	low
stu-miR5303a_R-1_2ss9AG21AG	TTTTGGAGGATCCGACACGCGCC	23	PGSC0003DMG400014722	middle
stu-MIR5303c-p5_1ss8GA	GTGTCGGATTCTCCAAAAATACAC	24	PGSC0003DMG400000462	low
stu-miR5303a_R-1_2ss9AG21AG	TTTTGGAGGATCCGACACGCGCC	23	PGSC0003DMG400000462	middle
stu-miR5303f_1ss13TC	ATTTTGGAGAACCTGACACGGGT	24	PGSC0003DMG402028796	middle
stu-miR5303e_L-3_2ss20GA24TC	TGGAGAATCTGACACGAGTGC	21	JH137948.1	low
stu-miR5303h_2ss5TA18TC	AACAATTTGAAGAGTCCGAGCA A	24	JH138058.1	low
stu-MIR5303j-p5_2ss10GT17CT	ATTCAAATTTCTGCCCTA	18	PGSC0003DMG400023482	middle
stu-miR5303j_1ss18TC	AATATTTTGAAGAGTCCGAGCAA	24	PGSC0003DMG400023482	low
stu-miR5303g_L-3_1ss19AG	TTTTTGAAGAGTCTGGGCAAC	21	JH137902.1	middle
stu-miR5304-5p	CAATGCAACATACTCATCACC	21	PGSC0003DMG400001656	low
stu-MIR6023-p5	AATCTCTGATCATATTCCATG	21	PGSC0003DMG400004697	low
stu-MIR6023-p3	TATGAGCCGAGATTGGTGTCT	21	PGSC0003DMG400004697	middle
stu-miR6024-5p	AGAAACAACACTTGCTAAAAGA	22	JH137968.1	middle
stu-miR6024-3p	TTTAGCAAGAGTTGTTTCCC	22	JH137968.1	high
stu-miR6025	TACCAACAATTGAGATAACATC	22	PGSC0003DMG401002858	high
stu-MIR6025-p3	TTATTGAACCTTGATGTTATC	21	PGSC0003DMG401002858	middle

stu-miR6026-5p_1ss12TA	AATACAACCTATAGCCAAGACAA	22	JH137959.1	middle
stu-miR6027_R-1	TGAATCCTTCGGCTATCCATA	21	JH137798.1	high
stu-miR6149-5p	TTGCAACACACCTGAATCGTC	21	JH137942.1	high
stu-miR6149-3p	TGATTCAAGTTTGTATGCAAAC	22	JH137942.1	middle
stu-miR7122-5p	TTATACAGAGAAACCGCTGTCTG	22	JH137909.1	middle
stu-miR7122-3p	ACAGCGTTTCTCTGTATAACC	21	JH137909.1	middle
stu-miR7979	AGGTACATGAACTCTAACGAGGC A	24	PGSC0003DMG400016611	low
stu-MIR7980b-p5_2ss4AG24TC	ATGGAATCATGAGATGGAATCAGC	24	PGSC0003DMG400002105	middle
stu-MIR7980b-p3_2ss18TC22CA	ACACTGATTCCATCTCACGATAACC	24	PGSC0003DMG400002105	low
stu-MIR7980b-p5_2ss9AG24TC	ATGAAATCGTGAGATGGAATCAGC	24	PGSC0003DMG400019716	low
stu-miR7980b-3p_1ss8AC	GAGATGGCATCAGTGTGGACAT	24	JH138233.1	low
stu-MIR7981-p5_2ss14TC23AC	ACACCTTTTGGACCTACGTGGCCT	24	PGSC0003DMG401013613	low
stu-MIR7981-p3_1ss16TC	AGTGTGCCACGTAAGCCAAAAGG T	24	PGSC0003DMG401013613	low
stu-MIR7981-p5_2ss6TA23CG	AACTAAGGTCCTATTACCCCTGA	24	PGSC0003DMG400001340	low
stu-MIR7981-p3_1ss16TA	AGTGTGCCACGTAAGACAAAAGG T	24	PGSC0003DMG400001340	low
stu-miR7981-3p	ATAGGACTTTAGTTTAGTTAAGGT	24	JH138445.1	low
stu-MIR7982a-p5	AAAAGGTGAGATTCTGAGATGGG T	24	PGSC0003DMG400013606	middle
stu-MIR7982a-p3_1ss6TG	AATATGCCTGGTAAGTTGGATGAT	24	PGSC0003DMG400013606	middle
stu-MIR7983-p5_2ss5TC21TA	AAAGCCTTTAGCGACATTGGATCT	24	PGSC0003DMG400013947	middle
stu-MIR7983-p3_1ss6GA	TAATGACACTTAACTAATGCCGGT	24	PGSC0003DMG400013947	middle
stu-miR7983-3p_R-1	ACTAATGCCGGTAAAGACTTTAA	23	JH138561.1	low
stu-miR7984c-5p_L-4R+1_1ss19A G	TACCAAACCTTTATGGAGGACC	21	JH138777.1	low
stu-MIR7984c-p5_1ss16CT	AAAGGTATATATGTGTCCACG	21	PGSC0003DMG400029712	low
stu-MIR7984c-p3_1ss9TC	AAGGTCCTCCATAAAGTTTGGTAT	24	PGSC0003DMG400029712	middle
stu-MIR7984a-p5_1ss11TG	ACTTTGGAAAGGACCTTTTACCCC	24	PGSC0003DMG400002585	middle
stu-MIR7984a-p3_1ss14TA	ATATTGCATCATTATAAATAGTAA	24	PGSC0003DMG400002585	low
stu-MIR7984b-p5_1ss2TG	AGGACCTTTTACCCCTGCACTATT	24	PGSC0003DMG400017110	middle
stu-MIR7984b-p3_2ss16TC22AG	AAATAGTAACGTGTCCACGTGGGC	24	PGSC0003DMG400017110	middle
stu-MIR7984d-p5_1ss6AC	AGGACCTTTTACCCCTGCACTATT	24	PGSC0003DMG400015845	middle
stu-MIR7984d-p3_1ss20TG	AAATAGTGCAGGGGTAAAAGGTC C	24	PGSC0003DMG400015845	middle
stu-miR7984a_2ss6GA22CT	ATACCAAACCTTTGGAATGACTTT	24	PGSC0003DMG400002275	low
stu-MIR7984a-p3_2ss17GA22GA	AAATAGTAATGTGTCCACATGAGC	24	PGSC0003DMG400002275	low
stu-MIR7984a-p5_1ss10CA	ACCCCCCTGAACTATTTAATAGTG	24	PGSC0003DMG400041221	low
stu-MIR7985-p5	TCTGGGTCGAGCTCGTCGCACC	22	PGSC0003DMG400008828	middle
stu-MIR7985-p3_1ss14GA	AGCTCGTCGCACCAGGCTTGCC	22	PGSC0003DMG400008828	middle
stu-MIR7987-p5_1ss16TC	TGATGACCGAATTGACTCTTCT	22	PGSC0003DMG400006505	low
stu-MIR7987-p3_2ss13TC24AG	TGACCGAATTGACTCTTCTAGTAG	24	PGSC0003DMG400006505	low
stu-miR7991a_L-1R-2	GGAGGTCGGAATTTTAAATGA	21	PGSC0003DMG400047113	low

stu-MIR7991a-p3	AATTACAATAAAAAACCGACCTCTT	24	PGSC0003DMG400047113	low
stu-miR7993a_R-5_1ss12GA	ATATTTTATGTAGTTAACT	19	PGSC0003DMG400006382	low
stu-miR7996a_1ss24AG	ATGTGGTACATATGAAATTTGAAG	24	JH137859.1	low
stu-miR7997a_L-1R+1_1ss4CT	TGTTGCTCGGACTCTTCAAAA	21	PGSC0003DMG400001464	low
stu-MIR7997a-p3_1ss8GT	AGAGAGTTCGAGCAACATA	19	PGSC0003DMG400001464	low
stu-MIR7997b-p5	CTCGGACTCTTCAAAAATGTC	21	PGSC0003DMG400003300	low
stu-MIR7997b-p3_2ss19TC20TC	AGTGTAATTTTGGAGAATCCGACA	24	PGSC0003DMG400003300	low
stu-miR7997c_L-3R-3	TTGCTCGGACTCTTCAAAA	18	PGSC0003DMG400027276	low
stu-MIR7997c-p3_2ss7GA17GA	TTTTTGAAGAGTCCGAACAAC	21	PGSC0003DMG400027276	middle
stu-miR7998_1ss22AG	ACGGACCGTAGATCAATCCACGGT	24	JH137796.1	low
stu-miR7999-3p_R-1_1ss21CT	ACGACCCGTAGAACTGCCCATGA	23	JH137869.1	low
stu-miR8000_1ss13TC	ACACCGAAGAACCGACACCGAAG A	24	JH137869.1	low
stu-MIR8001b-p5	GGGATTAGTATGAAAAATTTGCAGG	24	PGSC0003DMG400009313	middle
stu-MIR8001b-p3	AATAAGTTTCCTGCGGATTTTCAT	24	PGSC0003DMG400009313	low
stu-MIR8001a-p5_2ss9TC19TC	ATGAAAAATCCGAGGAACTTATT	24	PGSC0003DMG400003848	low
stu-MIR8001a-p3_2ss17TC20TC	AAATTTTCATACTAATCCCCAGAA	24	PGSC0003DMG400003848	low
stu-miR8004_1ss6TC	AGGGGCTGTGTATGTGTTTGGCCT	24	JH137887.1	low
stu-MIR8006-p3_1ss5TG	AATGGCCCCAAAAGTATGACGGAG G	24	PGSC0003DMG400007511	low
stu-MIR8006-p5_1ss9AT	TACTTTTGTGACATTGGTGCC	21	PGSC0003DMG400015460	low
stu-MIR8006-p3_1	AATGTCCCAAAAAGTATGACGGAG G	24	PGSC0003DMG400015460	middle
stu-MIR8006-p5_1ss11AG	CATACTTTTGGGACATTG	18	PGSC0003DMG400022933	low
stu-MIR8006-p3_2	ACCAATGTCCCAAAAAGTATGACGG	24	PGSC0003DMG400022933	middle
stu-MIR8006-p5_2ss11TC21AG	AAATATACCCCTAAACTATCGTAA	24	PGSC0003DMG400006606	low
stu-MIR8006-p3_1ss13CA	GACGGAGGGTATATGCATACCATT	24	PGSC0003DMG400006606	low
stu-MIR8006-p5_1ss8TC	TACCCTCCGTCATACTTTTGAGAC	24	PGSC0003DMG400022933	low
stu-miR8006-5p_2ss14AG17GC	TAGTTTTTGGACGGCACGGGCACC	24	PGSC0003DMG400022933	low
stu-MIR8006-p3_1ss19CT	TATGACGGAGGGTATCTGTATACC	24	PGSC0003DMG400006606	low
stu-MIR8007b-p5	ATTCAAACAAGTCTATCTTTGACC	24	PGSC0003DMG401016214	middle
stu-MIR8007b-p3_2ss22AG23TC	AAACTGTTTGACTCTCGAAAAGC G	24	PGSC0003DMG401016214	middle
stu-miR8007b-5p_1ss6AG	ATGTGGCACTTTTTGAATTTTCGAG	24	JH138003.1	middle
stu-miR8007a-5p_1ss21TC	ATGTGGCACTTTTCGGATTTCGAG	24	PGSC0003DMG400003820	middle
stu-MIR8007a-p3	ACTTAAACTGTTTGACTCTCGAAA	24	PGSC0003DMG400003820	middle
stu-MIR8008b-p5_2ss17CT18TC	AGCGACGGACAGTGTCTCTTAGTC	24	PGSC0003DMG400014002	low
stu-miR8008a_2ss22AG24TC	ATTTCCAGAAAAGCGACGGACGG C	24	JH137941.1	middle
stu-MIR8008b-p5_2ss17CT18TC	AGCGACGGACAGTGTCTCTTAGTC	24	PGSC0003DMG400045412	low
stu-miR8008a_2ss22AG24TC	ATTTCCAGAAAAGCGACGGACGG C	24	JH137951.1	middle
stu-miR8008b_1ss24TC	AAACCCAGAAAAGCGACGGACAG C	24	PGSC0003DMG400035133	low

stu-miR8010_1ss17AG	ATAGGACCCTAGTTAAGTTTAGGT	24	JH137951.1	low
stu-miR8011b-3p_R-1	TTCGTGAGACAAAAAGAAGCC	21	PGSC0003DMG400018840	low
stu-miR8011a-3p_L-1_1ss13CT	ATAAAAAGAAGTCTCACACAAC	23	PGSC0003DMG400025795	low
stu-miR8011a-5p	TTGTGTGAGGTTTCTTTTGTTC	24	JH137959.1	low
stu-miR8011a-3p_1ss13CT	AATAAAAAGAAGTCTCACACAAC T	24	JH137959.1	middle
stu-miR8013_1ss9AT	AGAAGAAATTCGCTCCGTCAGAA G	24	JH137968.1	low
stu-miR8014-3p_1ss21AG	ATGAATACAATGTTTGGATAGATT	24	JH137984.1	low
stu-miR8015-5p	TATTGGATATTGAAAATGAACTT	24	JH138004.1	low
stu-miR8015-3p	GTTTCATTTTCAAGGTCCAATAGC	24	JH138004.1	low
stu-miR8016	ATTTTGAATGGAAGGCCCATGTG	24	PGSC0003DMG400027950	middle
stu-miR8019-3p_L+1R-1_1ss2AC	ACAAAGAATGACCTGGTTGACTT	24	JH138030.1	middle
stu-miR8020	AATTTCAATTGAGTATGTTGTGTT	24	PGSC0003DMG400011352	middle
stu-MIR8020-p3	CAACAACAACATACTACTGAAA	23	PGSC0003DMG400011352	low
stu-miR8023_1ss9AT	TTTGGCACTATTTCATTGGCAACC	24	PGSC0003DMG400020694	middle
stu-miR8023_2ss9AT19GA	TTTGGCACTATTTCATTGACAACC	24	JH138103.1	low
stu-miR8023	TTTGGCACAAATTCATTGGCAACC	24	PGSC0003DMG400022355	middle
stu-miR8025-5p	ACATACTCGACATGCAATTAAATT	24	JH138169.1	middle
stu-miR8025-3p_1ss13CG	TTTAATTGCATGGCAAGTGTGTGG	24	JH138169.1	middle
stu-miR8026_1ss10AG	ATGTAGAGAGTATGTGGTAACCCCT	24	JH138175.1	low
stu-MIR8026-p5	AGAGAATATGTGGTAACCCTAATG	24	PGSC0003DMG400026828	middle
stu-MIR8026-p3_2ss13GT20AG	AGAGGTTATGACTTAATCTGGTAC	24	PGSC0003DMG400026828	low
stu-miR8028-5p	TCCTTATGCTACAATTGTGAACAA	24	PGSC0003DMG400004445	low
stu-MIR8028-p3_3ss9AC18TC20 CG	AAGAGAAGCATGTTTATCGGA	21	PGSC0003DMG400004445	low
stu-miR8030-5p_1ss2TC	TCGGGTTGGTTTGGTCTCGGGTT	23	PGSC0003DMG400007733	middle
stu-miR8032b-3p_L+1_1ss23GT	TAGTGTGAGTCGGTGCATTAGT	23	JH137885.1	low
stu-miR8032a-5p	TGGTCGGCATGACTCCCGAGGT	22	PGSC0003DMG400040360	middle
stu-MIR8032b-p3_1ss24GC	AGGTTTTAGTGTGAGTCGGTGCC	24	PGSC0003DMG400040360	middle
stu-miR8032a-5p	TGGTCGGCATGACTCCCGAGGT	22	PGSC0003DMG400024511	middle
stu-MIR8032d-p3	TCCCGAGGTTTTAGTGTGAGT	22	PGSC0003DMG400024511	low
stu-miR8033-5p_R-1	TTCCAAAGCTGCAGAAATGAG	21	PGSC0003DMG402002797	low
stu-miR8033-3p_L-1_1ss17AG	CAATTCTGCAGCTTTGGGAGT	21	PGSC0003DMG402002797	middle
stu-miR8036-3p	TATGTCTTCCGATGCCCTCCCA	22	JH138005.1	high
stu-miR8038a-3p_L+1	AGTTCAACTTGCTCACTTGGAG	22	JH138051.1	low
stu-miR8039_L-1R+4_1ss4CA	TTACTATCTGAACATATACCATCT	24	PGSC0003DMG400017863	low
stu-miR8041a-3p	ATGATGTATAGCAAAGAGCCT	21	JH138202.1	middle
stu-MIR8042-p5_1ss21TC	TAAGCACTTCCGTCTAATTTC	21	PGSC0003DMG400022361	middle
stu-miR8044-5p	TTTCAAATATGGTTGGAGATG	21	JH137893.1	middle
stu-miR8044-3p	TCTCCAGCGATATTGAAACT	21	JH137893.1	middle
stu-miR8045	ATTGATAGTTGAGGTGTGTTT	21	PGSC0003DMG400007859	low
stu-MIR8047-p5	TTCGAAATTAGACCCGTGGTT	21	PGSC0003DMG400028818	low
stu-miR8048-5p_R+3	CTCATTAGCATCTCCATCTTGATC	24	JH138031.1	low

stu-miR8049-5p_L-2R+5	AGGCTCATGCAGACATGCACTAGA	24	JH138095.1	low
stu-miR8049-3p	CATGTCTACATGAGCCTGATA	21	JH138095.1	low
stu-miR8050-3p_L+1	TTGACTTGAGATTCTACTTGG	22	PGSC0003DMG400001496	low

Note :miR_name: miRNA name, L-n indicates that the left side of the mirNA is missing n bases,R-n indicates that the right side of the reported microRNA is missing n bases, L+n indicates that the left end of the reported microRNA has n extra bases, R+n represents more than n bases at the right end of the reported microRNA. 2ss5TC13TA represents the substitution of C at the fifth base and A at the 13th base, making a total of two substitutions. Use "-3p" and "-5p" as suffixes to distinguish the two sequences. "-p3" and "-p5" are located at the arm end. miR-seq: mature sequence of miRNA; len: Maturity length of miRNA; Genome ID: chromosome name of miRNA precursor sequence corresponding to mature miRNA; Expression level: high, medium and low expression level. low is the miRNA whose copy number is less than 10 in all samples. Intermediate refers to mirnas whose copy number in a sample is greater than 10 and smaller than the average copy number in all samples (total copy number /(number of samples x total number of mirnas)). High refers to the miRNA whose copy number in the sample is larger than the average.