**Table S6 Profiles of novel miRNAs**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Novel miRNAs | Mature sequence (5' to 3') | Length | dG | MFEI |
| PC-5p-559054\_17 | ACTATCACTGAATATCACCTTACC | 24 | -93.4 | 1.5 |
| PC-3p-1030661\_6 | AAGGTGATATTCAGTGATGGTTGA | 24 | -93.4 | 1.5 |
| PC-5p-559054\_17 | ACTATCACTGAATATCACCTTACC | 24 | -92.2 | 1.6 |
| PC-5p-320396\_39 | TGAGGGATTTGAGAAGGGATT | 21 | -60 | 1.2 |
| PC-3p-30509\_767 | AATCCCTTCTCAAATCCTCCAACC | 24 | -60 | 1.2 |
| PC-5p-334370\_37 | AATGATCATGAAAGATTTGTGACC | 24 | -69.8 | 1.5 |
| PC-3p-24651\_983 | TCATAAATCTTTCATGATCAT | 21 | -69.8 | 1.5 |
| PC-5p-310518\_41 | TTTGGTTGGGAATTTGGGAAG | 21 | -45 | 1 |
| PC-3p-634590\_13 | TTCCCAAATCCCTCAACCAAACAC | 24 | -45 | 1 |
| PC-5p-674588\_12 | CTGTGTTTGGTTGGGGGATTT | 21 | -67.2 | 1 |
| PC-3p-90001\_209 | AAATCTCCCAACCAAACACAGCAT | 24 | -67.2 | 1 |
| PC-5p-173050\_91 | ACAGAATGAGACACAGATGTGAGA | 24 | -62 | 1.4 |
| PC-3p-1123841\_6 | CACATCTGTGTCCCATTTTGT | 21 | -62 | 1.4 |
| PC-5p-24863\_974 | GGGATTGGTGGCTTGAAAAGC | 21 | -73 | 1 |
| PC-3p-2177\_9260 | NTTCCAAGTCCACCCATTCCTA | 22 | -73 | 1 |
| PC-5p-134341\_127 | TATTGTGTGGTTGAGATTTAC | 21 | -63.9 | 1.7 |
| PC-3p-33289\_692 | ATCTCAACCACACAATGCACCACT | 24 | -63.9 | 1.7 |
| PC-5p-28038\_848 | ATTGTGTGGTTGAGATTTAATGAC | 24 | -66.7 | 1.7 |
| PC-3p-238290\_59 | ATTAAATCTCAACCACACAATGCA | 24 | -66.7 | 1.7 |
| PC-5p-1219212\_5 | ATACTGTGTTTGGTTGGGGGA | 21 | -45.6 | 1.5 |
| PC-3p-242493\_58 | AAATCCCCCAACCAAACACAGTGT | 24 | -45.6 | 1.5 |
| PC-5p-156691\_104 | ATTTTGTGGTTCAAATGGCTC | 21 | -84.6 | 1.6 |
| PC-3p-115339\_154 | ATTTGAGCCATTTGAGTCACAAAA | 24 | -84.6 | 1.6 |
| PC-5p-159142\_102 | TCAACCACACAATACACCACT | 21 | -53.8 | 1.1 |
| PC-3p-130040\_132 | AGTGGTGCATTGTGTGGTTGAGAT | 24 | -53.8 | 1.1 |
| PC-5p-322224\_39 | CAGCGGTGTGTTAAGAATATG | 21 | -38.6 | 1.6 |
| PC-3p-845853\_8 | TTATTTTCTTGACACATCACT | 21 | -38.6 | 1.6 |
| PC-5p-33289\_692 | ATCTCAACCACACAATGCACCACT | 24 | -45.5 | 1 |
| PC-3p-193232\_79 | AAGTGGTGTATTGTGTGGTTG | 21 | -45.5 | 1 |
| PC-5p-115327\_154 | AAACAAATGACCAAATGTCTCACA | 24 | -57.5 | 1.3 |
| PC-3p-528113\_18 | ACATTTGGTCATTTGTTTGGTAGA | 24 | -57.5 | 1.3 |
| PC-5p-1402690\_5 | TCAAATGGTCAAAACGATGTCGTT | 24 | -69.2 | 1.3 |
| PC-3p-18140\_1384 | AACGACGTCGTTTTGGCCATTTGA | 24 | -69.2 | 1.3 |
| PC-5p-317517\_40 | GGGATTTGGAAAGAGAAA | 18 | -47.9 | 0.9 |
| PC-3p-132795\_129 | CCTTTCCCTTTCCAAATTCCT | 21 | -47.9 | 0.9 |
| PC-3p-1055017\_6 | TGATAGGGGTTACTTGGGGA | 20 | -47.4 | 1.4 |
| PC-3p-346339\_35 | TAATGTTTTCAAAACTCGA | 19 | -76.8 | 1.3 |
| PC-5p-542248\_18 | TTTGGATAGGAATTTGGAAAG | 21 | -57.9 | 0.9 |
| PC-3p-656142\_13 | TCCGCCTGCACTTCCATGA | 19 | -50.1 | 1 |
| PC-5p-865400\_8 | GGGACCAAGAACTCAGACACA | 21 | -61.3 | 1.3 |
| PC-3p-408527\_27 | CCTTGCACTTTTCTCTGCACA | 21 | -66.8 | 1.2 |
| PC-5p-148677\_112 | TATGGGTGTCCGACATGTGTC | 21 | -41.3 | 1 |
| PC-3p-549768\_17 | CTTCTCCACGTTCTTTCTCCG | 21 | -69.3 | 0.9 |
| PC-3p-18516\_1353 | AGAGATTATTTTCGAGCCATTCGT | 24 | -52.9 | 1.3 |
| PC-3p-47\_152707 | GAATGTTGGGTCCTTTGAGGTCA | 23 | -46.3 | 1.2 |
| PC-3p-66331\_303 | TCTCTTTCCCTTTCCAAATCC | 21 | -52.1 | 0.9 |
| PC-3p-545895\_17 | TGTGGTGAGAGTGAGAGA | 18 | -25.5 | 1 |
| PC-3p-99538\_185 | TTCCCTCCACAAATCCAAGAT | 21 | -51.7 | 1.2 |
| PC-5p-92854\_201 | CTTGCACGGAGATAGAATACAAAA | 24 | -48.5 | 0.9 |
| PC-3p-100894\_182 | TGATTTTAGATTGAGTGTTT | 20 | -17.1 | 0.9 |
| PC-3p-72191\_274 | TTCACACACCTTTTTCCTTTCCCT | 24 | -34.3 | 1.2 |
| PC-3p-157094\_104 | ATAACCCACTTCCCAAAATAGGCC | 24 | -48.1 | 1 |
| PC-3p-523015\_19 | AACGGTGCAGATGGTTTTCATGAT | 24 | -45.3 | 1.4 |
| PC-3p-626112\_14 | TTTCCTTTCCTTTTCTAAATCCCT | 24 | -75 | 1.3 |
| PC-5p-174389\_91 | AGTCAACCCGCAACCGCCCGCAGT | 24 | -52.8 | 1 |
| PC-3p-418202\_26 | GTTGTAACTTGCCTTGATATTTGG | 24 | -44 | 1 |
| PC-3p-41728\_531 | TCAAATCCCTTCTCAAATCCC | 21 | -51.2 | 1.1 |
| PC-3p-958919\_6 | TGATCCAACAGTTGTAAGTGT | 21 | -60 | 1.2 |
| Average |  | 22.21 | -56.36 | 1.22 |