Table S2. Number of potato novel miRNAs

miRNA Name	Mature Sequence	Gene Length	Genome ID
novel_miR_1	AAGGTCATAGTTGTGAATTGATGC	24	chr06
novel_miR_10	AGCAAATTGTCATGTAGGACGTGT	24	chr10
novel_miR_100	TGCCAAAGGAGAATTGCCCTG	21	chr03
novel_miR_101	TGCACAGCCTCTTCCCTGGTTC	22	chr01
novel_miR_102	ATACAGTAGTAGAGGACAAACGTG	24	chr01
novel_miR_103	AGGTCTATTTCTGATTTTATGAGT	24	chr12
novel_miR_104	TTCAATGGCGGATTTTAGATC	21	chr02
novel_miR_105	ATGTTTTCCTGTCACTACTAGC	22	chr07
novel_miR_106	ATAAATTCAGGATGGTCAATTAGT	24	chr03
novel_miR_107	CATTTTGAACATGAGATTGAGG	22	chr07
novel_miR_108	ACAGATTTGAAGAAGAAGACAAGA	24	chr03
novel_miR_109	ATAACAAACAAGACATGAGAAAGG	24	chr05
novel_miR_11	GGGATGTTGTTTGGCTCGACA	21	chr01
novel_miR_110	TTGCTTTATTTGGGGTAGATGAGC	24	chr10
novel_miR_111	CAAATAGTTCTACGAATTCTAAGT	24	chr10
novel_miR_112	AATAGGACCTCCGCAAACTTAAGG	24	chr09
novel_miR_113	GTGTGTCTACTTGTTCAATTTTGT	24	chr05
novel_miR_114	ATTATTGCTTCCCAAATCTAGC	22	chr06
novel_miR_115	TCATCTGTTGCAATTAATGAC	21	chr09
novel_miR_116	TGTCGCAGATGACTTTAGCTCTTC	24	chr08
novel_miR_117	AGGCTCGTACCACTGTATCCTTGA	24	chr06
novel_miR_118	AGCATTATTGTAGTTGATTTGATG	24	chr05
novel_miR_119	CATTTTGAACATGAGATTGAGG	22	chr07
novel_miR_12	ATGTGTCATTCTGTTAAAATTAGG	24	chr01
novel_miR_120	AAGAAAACTGTGAATTACATGAGG	24	chr02
novel_miR_121	TTGGACTGAAGGGAGCTCCTTT	22	chr03
novel_miR_122	ATAGGACGTGTGTGTTTACTTGTT	24	chr12
novel_miR_123	TCGATAAACCTCTGCATCCAGT	22	chr06
novel_miR_124	ATGCGTAGGGTAGTTCTTTTCATG	24	chr05
novel_miR_125	TTGGTTGAGTGAGCATCTAAG	21	chr12
novel_miR_126	CCCTGTCGTCTAAAAACTAGAGC	23	chr02
novel_miR_127	TCCTCGATTGGACGGTGCCTCC	22	chr07
novel_miR_128	AAACTTGTTTGAATCTCGAAATCC	24	chr06
novel_miR_129	AGGAAAACTGTGAATTACATGGGG	24	chr03
novel_miR_13	TGCTTCATCCTGAACTTTTGG	21	chr09
novel_miR_130	TGGTTTCACTTGATCTTTCTG	21	chr12
novel_miR_131	ACTTTAAGGTTGTGAGTTTGAGTC	24	chr10
novel_miR_132	AGAAAGACTTGTGAAACTTATGGT	24	chr11
novel_miR_133	AGAGAGGTTGTTTCTGATAGACT	23	chr12
novel_miR_134	TATTGAAGGCTCTTATGATCAG	22	chr04
novel_miR_135	CGACTTGTAAGCTCTATGCTTCA	23	chr12

novel_miR_136	CCTGCCTTGCATCAACTGAAT	21	chr08
novel_miR_137	GGGGCAACTTGAGATCACATG	21	chr12
novel_miR_138	GGAGAATGATGAGATCTTTGCATA	24	chr04
novel_miR_139	TCTTTCCTACTCCTCCCATACC	22	chr04
novel_miR_14	CATTTTGAACATGAGATTGAGG	22	chr07
novel_miR_140	AGTCACGGAGTGTGCCACATAAGC	24	chr09
novel_miR_141	AATAGGACCTCCGCAAACTTAAGG	24	chr01
novel_miR_142	TCGGACCAGGCTTCATTCCCC	21	chr08
novel_miR_143	TTCGGTCAAGAGGAAGAAACTTA	23	chr01
novel_miR_144	TCGGACCAGGCTTCATTCCCCA	22	chr01
novel_miR_145	ATTCTAAATCTGTCTTTGGTGAGC	24	chr10
novel_miR_146	TAAACTGTTTGACTCTCGAAAAGC	24	chr04
novel_miR_147	ATTCAGAATTTGTATATGCTTACC	24	chr11
novel_miR_148	TTTTAACGGATGACATAAATGAGT	24	chr12
novel_miR_149	TTGGACTGAAGGGAGCTCCCTC	22	chr12
novel_miR_15	TAATTAATTGTTCAGCTCTTC	21	chr09
novel_miR_150	TGAAAATTTAGGCCATCCTTG	21	chr12
novel_miR_151	AGCATTATTGTAGTTGATTTGATG	24	chr05
novel_miR_152	TCTCGGACCAGGCTTCATTC	20	chr03
novel_miR_153	TGGAGAAGCAGGGCACGTGCA	21	chr01
novel_miR_154	ATTCAGAATTTGTATATGCTTACC	24	chr08
novel_miR_155	TGACTGATTTTACTTGATC	19	chr01
novel_miR_156	ACACCTGTTGACATTTTTGAAGAG	24	chr09
novel_miR_157	ATGTTTTCCTGTCACTACTAGC	22	chr11
novel_miR_158	TCGGACCAGGCTTCATTCCCC	21	chr06
novel_miR_159	ACAACATTTTTAAAGAGTCCGAGC	24	chr12
novel_miR_16	TGATTGAGTGTAGCGTTGATG	21	chr07
novel_miR_160	ATTACCGATCAAACTTAAACTGTT	24	chr02
novel_miR_161	ACCGGTCTCACTTGTATAGAGC	22	chr05
novel_miR_162	ACTATGACCTCCAACTTTGAGTGT	24	chr04
novel_miR_163	ACTGTTTCTTCATGCTCAATTCTT	24	chr01
novel_miR_164	CTGTCGCAGATGACTTTCGCC	21	chr08
novel_miR_165	ATTTCGGATACATCACTCAACATC	24	chr07
novel_miR_166	TATGGCTTCCGATCATTTCTC	21	chr06
novel_miR_167	AAAAAGTAGGATTGCACAGGC	21	chr06
novel_miR_168	ATGTTTTCCTGTCACTACTAGC	22	chr04
novel_miR_169	TGTATTATTGAGTAGACAAGTG	22	chr06
novel_miR_17	TCTAGATTTTGGACGGCAGGG	21	chr12
novel_miR_170	TCGGACCAGGCTTCATTCCCC	21	chr03
novel_miR_171	CCTGCCTTGCATCAACTGAAT	21	chr08
novel_miR_172	ATTTTCGATCAAACTTAAACTGTT	24	chr01
novel_miR_173	TTCAATGGCGGATTTTAGATC	21	chr02
novel_miR_174	AGACATTTGCTGAAGAGTCCGAGC	24	chr09
novel_miR_175	TTTGGATTGAAGGGAGCTCTA	21	chr03

novel_miR_176	TTGGACTGAAGGGAGCTCCCTC	22	chr08
novel_miR_177	TCGATAAACCTCTGCATCCAGT	22	chr03
novel_miR_178	AATGAATGAAGGCTGAAAAAGTGG	24	chr05
novel_miR_179	AATCCTTCAGCAATCCATA	19	chr09
novel_miR_18	CGGTATAAATTTAGGAACCCTTTT	24	chr03
novel_miR_180	ACGGAACTATTTCTTACACTTTGT	24	chr03
novel_miR_181	ACTGACAGAAGAGAGTGAGC	20	chr12
novel_miR_182	AAAGACTGATTTATTCACTGGAAG	24	chr08
novel_miR_183	ATCTCTCTCAATGATTGGCTCATC	24	chr12
novel_miR_184	AGGAAAACTGTGAATTACATGGGG	24	chr10
novel_miR_185	ATACAGTAGTAGAGGACAAACGTG	24	chr01
novel_miR_186	AAATCATTGAACTCTGTGAAAAGG	24	chr07
novel_miR_187	CCCTGTCGTCTAAAAACTAGAGC	23	chr12
novel_miR_188	TGAGTGCGTTTCGAGTTTTTGAGC	24	chr08
novel_miR_189	AATGAATGAAGGCTGAAAAAGTGG	24	chr05
novel_miR_19	ATGTGCTCTGATACCACTTGTTGG	24	chr04
novel_miR_190	TTTGGTGTTGAATTAGTCTTATG	23	chr11
novel_miR_191	AGGGAAAATCAAATGGCTTTGAGG	24	chr01
novel_miR_192	TTGATATTTTTGAAGAGTCCGAGC	24	chr01
novel_miR_193	AGGGAAAATCAAATGGCTTTGAGG	24	chr01
novel_miR_194	TTGCCGGAATAAGTGGAGATG	21	chr03
novel_miR_195	AGGGTTGATTTGAGAACATATG	22	chr11
novel_miR_196	ATGTTTTCCTGTCACTACTAGC	22	scaffold_239
novel_miR_197	ACTTTTGAAGGATCTGACACACAC	24	chr03
novel_miR_198	TATGGCTTCCGATCATTTCTC	21	chr06
novel_miR_199	ATGAGGAGGACGACAGACCC	20	chr04
novel_miR_2	TCAACGCTGCACTCAATGATG	21	chr06
novel_miR_20	AGCGATATTGGATCTAATGACACT	24	chr04
novel_miR_200	AATGGAAATAAGTGAAACAAAAGG	24	chr01
novel_miR_201	ACAACATTTTTAAAGAGTCCGAGC	24	chr10
novel_miR_202	ATGTTTTCCTGTCACTACTAGC	22	chr08
novel_miR_203	ATGTTTTCCTGTCACTACTAGC	22	chr01
novel_miR_204	TGGCTTCCAGTCATTTCTCCC	21	chr06
novel_miR_205	TATATGTGCTCTAGTTTTTGG	21	chr07
novel_miR_206	AATGTCGAACATAAGCTTAGTATT	24	chr03
novel_miR_207	TGGGTTGCTGTAGGATTGATG	21	chr10
novel_miR_208	ATAAGTGTGTCTCTGAGATTTCGG	24	chr07
novel_miR_209	TGGTTTTTCGGTATCCTCTCC	21	chr03
novel_miR_21	CTGCCGTCTAAAAACTAGAGC	21	chr10
novel_miR_210	GTTCAATAAAGCTGTGGGAAG	21	chr12
novel_miR_211	TTACTGAAGAACAAATTCCATG	22	chr02
novel_miR_212	ATTTTATGGGACTCTACAAGATGT	24	chr06
novel_miR_213	TTATGTCTATTGGCGGTTTGG	21	chr08
novel_miR_214	AGACAAATAGAGTTGCTCGAATGG	24	chr02

novel_miR_215	TATTGTAGTTGATTTGATGAG	21	chr05
novel_miR_216	ATCCTTCGTCATACTTTTGGGACA	24	chr08
novel_miR_217	TTGACATTTTTGAAGAGTTCGAGC	24	chr10
novel_miR_218	ATAAATTCAGGATGGTCAATTAGT	24	chr03
novel_miR_22	AATGTACGAACACAAATAATGAGC	24	chr03
novel_miR_23	TTTTAACGGATGACATAAATGAGT	24	chr08
novel_miR_24	ATGTGTCTACTTGTTCAACTTTGT	24	chr11
novel_miR_25	CCCCTGCCGTCTAAAAACTAGAGC	24	chr03
novel_miR_26	ATTCTCGGATATATCACTTTACGC	24	chr09
novel_miR_27	ACGGAACTATTTCTTACACTTTGT	24	chr07
novel_miR_28	TTTTCTGGAAGAATGATGACC	21	chr01
novel_miR_29	TCAACGCTACACTCAATCATG	21	chr07
novel_miR_3	TTTTAACGGATGACATAAATGAGT	24	chr12
novel_miR_30	ATGTGCTCTGATACCACTTGTTGG	24	chr04
novel_miR_31	TTGGTTGAGTGAGCATCTAAG	21	chr12
novel_miR_32	TATTGCTCCTTTCTTTTCAA	20	chr07
novel_miR_33	AGTTCTTGTAGGGTGAGACAAC	22	chr10
novel_miR_34	AGACAAACCTTAGAATTGAACATG	24	chr12
novel_miR_35	ACTATGACCTCCAACTTTGAGTGT	24	chr12
novel_miR_36	ACTGACAGAAGAGAGTGAGC	20	chr07
novel_miR_37	TTTTAACGGATGACATAAATGAGT	24	chr07
novel_miR_38	AATCTCTTGTATACTCTTAACATG	24	chr08
novel_miR_39	TTTTAACGGATGACATAAATGAGT	24	chr03
novel_miR_4	ATCGTGATCTGTTGATAAAATTAC	24	chr11
novel_miR_40	TTGGACTGAAGGGAGCTCCCT	21	chr05
novel_miR_41	AATATTTTAGATTGTGACACGTGT	24	chr01
novel_miR_42	AGCATTATTGTAGTTGATTTGATG	24	chr07
novel_miR_43	CCCTGTCGTCTAAAAACTAGAGC	23	chr07
novel_miR_44	ATGTGTCTACTTGTTCAACTTTGT	24	chr12
novel_miR_45	AAGACTGTTTGTTTTCTCAACATC	24	chr01
novel_miR_46	ATTGAGCTCTGATGTGGATATCGG	24	chr10
novel_miR_47	TGCACTGCCTCTTCCCTGGCTC	22	chr01
novel_miR_48	GCAGCACTATTAAGATTCTC	20	chr10
novel_miR_49	ATTAATCCTGAGATAACTTGTTCC	24	chr02
novel_miR_5	AGTAAGGTCTGTGTACATCGTACC	24	chr04
novel_miR_50	AGGTGAAGGTGTTAATGAGACTGA	24	chr01
novel_miR_51	GATAACTATGACCTTTAACTTTGG	24	chr12
novel_miR_52	AAAATTGAACTAGTAGACACGTGT	24	chr10
novel_miR_53	ATTTCGGATACATCACTCAACATC	24	chr07
novel_miR_54	TGCTTTATGTAATTCTGGTATT	22	chr04
novel_miR_55	ATTATTTTGTCTAGTGTGAACACT	24	chr08
novel_miR_56	TGCTTCATCCTGAACTTTTGG	21	chr09
novel_miR_57	ATATGGATTGAGCAAAAATGGTTT	24	chr05
novel_miR_58	TGGCTTCCAGTCATTTCTCCC	21	chr06

novel_miR_59	AGACCTCTTGTGGAATTACACTGG	24	chr06
novel_miR_6	AGGGAAAATCAAATGGCTTTGAGG	24	chr01
novel_miR_60	ATTGAACAAGTAGACACACACATC	24	chr12
novel_miR_61	TGACTGATTTTACTTGATC	19	chr01
novel_miR_62	TATTCCATGAGACTGTTTTTGG	22	chr12
novel_miR_63	TTGGACTGAAGGGAGCTCCCTT	22	chr06
novel_miR_64	AGGGAAAATCAAATGGCTTTGAGG	24	chr01
novel_miR_65	TGATGTTGGAATGGCTCAATC	21	chr06
novel_miR_66	AGGGTTGATTTGAGAACATATG	22	chr11
novel_miR_67	TGATGTTGGAATGGCTCAATC	21	chr03
novel_miR_68	TATTGTAGTTGATTTGATGAG	21	chr05
novel_miR_69	ACAACATTTTTAAAGAGTCCGAGC	24	chr10
novel_miR_7	ATGAATTGTGACATTTCTGAAGGG	24	chr05
novel_miR_70	ACATCCGGTAAAGTTGGAACA	21	chr01
novel_miR_71	AAACTATTTGACTCTCGAAAAACG	24	chr03
novel_miR_72	ATTAAGGAGTGTTTTTAAAATGGC	24	chr04
novel_miR_73	CCCTGTCGTCTAAAAACTAGAGC	23	chr09
novel_miR_74	AAATATGGCCAGAGATGTTTG	21	chr11
novel_miR_75	AGAAAGACTTGTGAAACTTATGGT	24	chr11
novel_miR_76	GTTCAATAAGGCTGTGGGAAG	21	chr07
novel_miR_77	ACTTTTGAAGGATCTGACACACAC	24	chr03
novel_miR_78	CCCTGCTGTCCAAAAACTAGAGC	23	chr03
novel_miR_79	ATGCGATTTGTCAAGTAGGACGTG	24	chr08
novel_miR_8	ATGTGACACATAGAATTTAGAGAG	24	chr09
novel_miR_80	TATTCCATGAGACTGTTTTTGG	22	chr12
novel_miR_81	ACCAAGGATTGTGACGAGATGGATA	25	chr08
novel_miR_82	AGGGAAAATCAAATGGCTTTGAGG	24	chr01
novel_miR_83	TTTACTTTGTTCAACACTTTTCGG	24	chr01
novel_miR_84	AACTAGGATTTCAACTTTATGAGT	24	chr09
novel_miR_85	AATCTTGTGGTCTTGAACATGTCA	24	chr12
novel_miR_86	ATAAATAGATCTCTAAACTTGTTG	24	chr01
novel_miR_87	TCTAGTTGTAGCCGGTCTATT	21	chr08
novel_miR_88	TTTCTGGTTGTAGATAAAAGTATC	24	chr11
novel_miR_89	AGGTGTCTTTTTGAAAACTCAGGA	24	chr01
novel_miR_9	ATAGGGACTACTAGGGTTTAGGATT	25	chr10
novel_miR_90	CTAGATTCACGCACAAACTCG	21	chr01
novel_miR_91	TTGCTTTATTTGGGGTAGATGAGC	24	chr10
novel_miR_92	AACAATACCGAACTTCTGAAAGGA	24	chr07
novel_miR_93	ATTTAATACCCTATATCACTTGGC	24	chr05
novel_miR_94	TGTTTTCCTGTTACTACTAGC	21	chr07
novel_miR_95	TTAACTGAAATGACATAGATGAGC	24	chr11
novel_miR_96	AAATTGAAGACGTAGATCCATAGG	24	chr08
novel_miR_97	ATTCAGAATTTGTATATGCTTACC	24	chr06
novel_miR_98	TTGCTTTATTTGGGGTAGATGAGC	24	chr10

novel_miR_99	AAACTATTTGACTCTCGAAAAACG	24	chr05