**Table S4.** Tissue-specific miRNA produced by leaves and roots under normal and saline conditions.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **miRNA family** | **Sequence** | **Locus** | **Length (nt)** | **MFE** | **mi** | **Reference miRNA** |
| **Conserved Common miRNA in "Leaf-NaCl" and "Root-NaCl"** | |  |  |  |  |  |
| pda-miR169a | UAGCCAAGGAUGACUUGCCA | PDK\_30s729731 | 20 | -74.4 | 1 | cca-miR169a\_R-1\_1ss20TA |
| pda-miR169a | UAGCCAAGGAUGACUUGCU | PDK\_30s729731 | 19 | -73.6 | 0.8 | cca-miR169a\_R-2\_1ss19CT |
| pda-miR398a | UGUGUUCUCAGGUCGCCCCUUU | PDK\_30s874111 | 22 | -48.9 | 0.9 | gma-miR398a\_R+1\_1ss15AG |
| **Conserved miRNA family expressed only in Leaf-NaCl** | |  |  |  |  |  |
| pda-miR169j | GGGCAGUCUCCUUGGCUAGUC | PDK\_30s1124371 | 21 | -80.1 | 1 | aly-miR169j-3p\_L+1R+1\_2ss19TG20CT |
| pda-miR396e | GGUCAAGAAAGCUGUGGAAG | PDK\_30s756541 | 20 | -56.4 | 0.9 | zma-miR396e-3p\_R-1\_3ss13CT18GA20AG |
| pda-miR172b | UGGCAUCAUCAAGAUUCACAU | PDK\_30s955041 | 21 | -61.0 | 1.2 | gma-miR172b-5p\_L-1R+2\_1ss3AG |
| pda-miR164 | UUGCACGUGCCCUGCUUCUCC | PDK\_30s747091 | 21 | -64.9 | 1 | vun-miR164-p3 |
| pda-miR394a | AGGUGGGCAUCCUGCCAACUG | PDK\_30s918941 | 21 | -83.9 | 1.1 | zma-miR394a-3p\_R+1\_3ss11AC19TC20GT |
| pda-miR160a | GCGUGCAAGGAGCCAAGCAU | PDK\_30s65509285 | 20 | -48.7 | 1.1 | osa-miR160a-3p\_R-1 |
| pda-miR160a | ACAGCUUUCUUGAACCG | PDK\_30s999911 | 17 | -57.3 | 1.1 | osa-miR160a-3p\_R-1 |
| pda-miR399d | UGCCAAAGGAGAUUUGCCCAG | PDK\_30s868971 | 21 | -64.4 | 0.8 | gma-miR399d |
| pda-miR169e | GGCAGUCUCCUUGGCUAGUA | PDK\_30s1187501 | 20 | -78.4 | 0.9 | bdi-miR169e-3p\_R+1\_1ss19CT |
| pda-miR395g | UUGAAGUGUUUGGGGGAACU | PDK\_30s849361 | 20 | -51.3 | 0.7 | mtr-miR395g\_R-1 |
| pda-miR5632 | UUGGAUUUAUAGUUGGAU | PDK\_30s987991 | 18 | -19.8 | 0.8 | ath-miR5632\_R-3 |
| pda-miR395a | GUUCCCUCAGACACUUC | PDK\_30s6550926 | 17 | -80.6 | 0.8 | ppe-miR395a-5p\_R-3\_1ss10AG |
| pda-miR169 | CAGCCAAGGAUGAUUUGC | PDK\_30s891391 | 18 | -57.1 | 1 | pde-miR169\_R-3\_1ss14CT |
| pda-miR394a | AGCUCUGUUGGCUUCUCUUUG | PDK\_30s801231 | 21 | -67.7 | 0.9 | mdm-miR394a-p3 |
| pda-miR529 | GCUGUACCCUCUCUCUUCUUC | PDK\_30s912631 | 21 | -58.2 | 1.1 | bdi-miR529-3p |
| **Variant-Common elements in "Leaf-NaCl" and "Root-NaCl":** | |  |  |  |  |  |
| pda-miR164 | CACGTGCCCTACCTCTCC | PDK\_30s946341 | 18 | -58.9 | 0.8 | cca-miR164-p3\_1ss8TC |
| pda-miR4376 | TTCGCAGGAGAGATGATGCT | PDK\_30s1122511 | 20 | -59.9 | 1.3 | sly-miR4376-p5\_1ss2AT |
| **Variant-conserved Elements only in "Leaf-NaCl":** | |  |  |  |  |  |
| pda-miR1424 | CUGAACAACAAGAUCAUA | M01000043814 | 18 | -18.1 | 0.8 | osa-miR1424-p3\_1ss15TC |
| pda-miR160e | GCGUGCGAGGAGCCAAGCAUA | PDK\_30s969081 | 21 | -75.4 | 0.9 | osa-miR160e-3p\_2ss11TA21GA |
| pda-miR171j | UGUUGGCCCGGUUCACUCAGA | PDK\_30s886631 | 21 | -53.0 | 0.9 | gma-miR171j-5p\_2ss2AG9TC |
| pda-miR172a | UUUGCUGGUGUGGCAUCAUC | PDK\_30s661361 | 20 | -57.0 | 1.2 | aly-miR172a-p5\_1ss8CG |
| pda-miR167d | CAUACAUGUGUGUAUAUAU | PDK\_30s874571 | 19 | -35.4 | 1.5 | aly-miR167d-p3\_1ss4GA |
| pda-miR169d | UAGCCAAGAAUGAAUUGCCU | PDK\_30s729731 | 20 | -72.4 | 0.9 | bdi-miR169d-p5\_1ss14CA |
| pda-miR4241 | UCAGUCGAUGUAAGAAAU | M01000042451 | 18 | -61.4 | 1.2 | aly-miR4241-p3\_1ss4TG |
| pda-miR530a | UUUCUUUCUUUGGUUUUUG | PDK\_30s726751 | 19 | -17.9 | 0.7 | ptc-miR530a-p3\_1ss12TG |
| pda-miR535 | UGACAACGAGAGGGAGCACGC | PDK\_30s939421 | 21 | -57.7 | 0.8 | pab-miR535\_1ss13AG |
| pda-miR2111b | CAGGAUUGGGUAAUUUGC | M01000000011 | 18 | -41.2 | 0.5 | ptc-miR2111b-p3\_1ss15CT |
| pda-miR166j- | UUCGGGAGAUGGAUU | PDK\_30s889281 | 15 | -58.2 | 0.7 | lus-miR166j-p5\_1ss13GA |
| pda-miR535 | GUGCUCUUUCUCGUUGUCA | PDK\_30s715261 | 19 | -74.8 | 0.9 | tcc-miR535-p3\_1ss8CT |
| pda-miR172b | GUGGCAUCAUCAAGAUUCAC | PDK\_30s1019081 | 20 | -48.1 | 1 | gma-miR172b-5p\_1ss3AG |
| pda-miR397 | CCAGCGCUGCAUUCGA | PDK\_30s816511 | 16 | -54.6 | 0.9 | rco-miR397-p3\_1ss15AG |
| pda-miR160b | UGCCUGGCUCCCUGAAUGCCA | PDK\_30s969081 | 21 | -75.4 | 0.9 | ppt-miR160b\_2ss1CT15TA |
| **Predicted Novel** |  |  |  |  |  |  |
| **Predicted Novel Elements only in "Leaf-NaCl":** | |  |  |  |  |  |
| pda-3p-349991\_15 | UAAAUGCUGCUGUUGAUUCAA | PDK\_30s684081 | 21 | -90.1 | 1.4 |  |
| pda-5p-255507\_24 | CACCGUUGGAUCAUCCACAGG | PDK\_30s682841 | 21 | -90.7 | 1 |  |
| **Predicted Novel Common elements in "Leaf-NaCl" and "Root-NaCl":** | |  |  |  |  |  |
| pda-5p-283724\_20-R1 | UCUGGAGACCCAUAGCCCAUG | PDK\_30s692211 | 21 | -71.0 | 2 |  |
| pda-5p-448267\_11 | AGAUCUUAGGUCGGCACAGUAGA | PDK\_30s869491 | 23 | -118.6 | 1.8 |  |
| pda-5p-420745\_12 | AGGAUUGUCGAGUCGACUCGA | PDK\_30s809831 | 21 | -48.4 | 0.9 |  |
| pda-5p-353741\_15 | AUUGAGAUGUUUGGGGACCUGGUG | PDK\_30s1146771 | 24 | -46.3 | 0.9 |  |
| pda-5p-396570\_13 | AGAGUCGUGCGGUCUACAGAG | PDK\_30s742991 | 21 | -80.3 | 1 |  |
| pda-3p-285375\_20 | AUUAGGACUCUAUUUGAAUC | PDK\_30s6550957 | 20 | -47.9 | 1.2 |  |