



Supplemental information, Figure S4 PC shapes of type-A and type-B ARR loss of function alleles and their relative expression level.

(A) Representative images and quantitative analyze of 2 DAG cotyledons PC morphology in type-A ARR loss of function mutants. Bar =20 μ m.

(B) Representative images and quantitative analyze of 2 DAG cotyledons PC morphology in type-B ARR loss of function mutants. Bar =20 μ m. Asterisks indicate a significant increase relative to wild type PCs ($p < 0.05$, t test).

(C) Real-time PCR results of relative expression levels in the loss of function ARR. Asterisks represent significant decreasing of expression level.

The primers for Real-time PCR are as below.

qARR1_for: TTGAAGAAACCGCGTGTCTCT,
qARR1_rev: CCTTCTCAACGCCGAGCTGATTAA,
qARR2_LP: GGAATGATGTTGCCAGTAGC,
qARR2_RP: GTTATTGAAGACCGAGTGAGTAG,
qARR3_for: CCGTTGATGACAGCCTAGTTGA,
qARR3_rev: CGTGACTTTGCAGGATGTGATT,
qARR4_for: CTGTATGCCTGGAATGACT,
qARR4_rev: AATAAGAAATCTTGAGCACCT,
qARR5_for: ACACTTCTTCATTAGCATCACCG,
qARR5_rev: CTCCTTCTTCAAGACATCTATCGA,
qARR6_for: GTCTACCCTGTTCACCTCG,
qARR6_rev: AGAATCATCAGTGTAGGCT,
qARR7_for: GCATTCAGAGAAGTACCAGTAGTG,
qARR7_rev: GCTAAGGTCTTGGCCTCTATAC,
qARR8_for: TGCACTCTCTACATCGCCACAAAT,
qARR8_rev: ACTTCTAAACGCCGCTGATTCCTT,
qARR9_for: TTCCTGCAAGAATCAGCAGATGTT,
qARR9_rev: AGTTGTCTCAATCTCCTCCAGCTT,
qARR10_for: TCAGAAATTCCGCGTTGCTCTGAA,
qARR10_rev: GTGAGTCAATAGCCGCCCTGTTA,
qARR11_LP: TAATGATGTCTGGTGGACGGCGAAA,
qARR11_RP: AAGCTCCGTGTTGCACTCCCTTCA,
qARR12_for: GGCCAGTCATCTTCAGAAATTCCG,
qARR12_rev: TGATTAGCCACCACTGATCCTC,
qARR13-LP: CCCTAATCAGAATCAGGGACAAGC,
qARR13-RP: ACTTGAACCCGAAATACCCGATCC,
qARR14-LP: TCCTGGAAACTCGAAGAAGTCACG,
qARR14-RP: AGAATCCGCTTTGGTACAGCTTTG,
qARR15_for: CTCAGCACTCAGAGAAATCC,
qARR15_rev: GTCTCTAGATTAACCCCTAGACTCT.