Sup_4. RT-PCR-based expression analysis of selected genes showing significant differences in the microarray studies. *Actin2* is constitutively expressed and serves as calibration control. (A) Comparison of expression pattern in wildtype (WT) and the *arr2* loss-of-function mutant (*arr2*). (B) Comparison of expression pattern in *ARR2*-overexpressing (*ARR2-OX*) and *ARR2<sup>D80E</sup>-OX* plants.

Rosette of at least four independently grown, 30-days-old plants were harvested and the tissue was mixed before RNA extraction. RNA extraction was performed as described in Material and Methods and reverse transcribed using Superscript. PCR conditions and primer sequences can be obtained upon request.