

Fig.S2 Overexpression of *MdABF1* negatively regulates nitrate absorption and assimilation genes in *Arabidopsis* and apple calli under ABA treatment.

(a-h) The physiological indicators of MdABFI transgenic Arabidopsis under low (0.2 mM) or high (10 mM) nitrate with 0 or 20 μ M ABA treatment. Determination of primary root length (a-b), fresh weight (c-d), nitrate content (e-f) and NR activity (g-h). (i-n) The physiological indicators of MdABFI transgenic apple calli under 0.8 mM and 5mM KNO₃ with 0 or 20 μ M ABA conditions. Fresh weight (i-j), NR activity (k-l) and nitrate content (m-n). Error bars exhibit the means \pm SD of three independent replicates. Asterisks indicate significant differences (LSD test, *P < 0.05).