Chart, box and whisker chart

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**S1 Figure. Log2 fold change of *MdGA2ox* expression in fruiting and non-fruiting shoot apex.** Log2(Fruiting/Non-fruiting) (the y axis) represents the fold change of relative expression in the shoot apex of fruiting spurs versus that of non-fruiting spurs. Black dots indicate individual values of three biological replicates, and error bars represent standard deviation among replicates. Asterisks indicate statistical significance in the difference of expression between fruiting and non-fruiting samples (p < 0.05).

Diagram

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**S2 Figure. Relative expression of apple *GA2ox* in the petioles of hydrated (control, in green) and dehydrated (dry, in yellow) leaves.**

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**S3 Figure. Relative expression of apple *GA2ox* in the first fully expanded leaves under salt treatment.** Rapidly growing ‘Gala’ apple seedlings were either treated with 100 mL of water (in orange) or with 100 mL of 100 mM salt (NaCl) (in blue). Gene expression was detected at 10 min, 30 min, 2 h, 6 h, 1 d, 2 d, and 6 d after treatment.

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**S4. Figure. Flowering time of CRISPR/Cas9-induced *ga2ox* single knockout mutants. Flowering time was represented by days at flowering (A) and number of rosette leaves at flowering (B).**

Diagram

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**S5 Figure. Overexpression of *GA2ox2* reduced the size of rosette leaves but not the number in the *GA2ox2-GUS* translational lines.** Loss of *GA2ox2* led to larger rosette leaves in the *ga2ox2* mutants, but the difference was only apparent in early developmental stages.