



Figure S1. Effects of RA treatment on transcript abundance of genes involved in carotenoid biosynthesis. The transcript abundance of *Phytoene Desaturase* (*PDS*), *Zeta-Carotene Desaturase* (*ZDS*), and *Carotene Isomerase* (*CRTISO*) each gene under control treatment at 0 d was defined as 1. The fruit samples were collected at the indicated time points for and qRT-PCR analysis. The data are presented as mean values \pm SD; $n = 3$. Asterisks indicate statistically significant differences (** $P \leq 0.01$) compared with control treatment under the same time point, as determined by Student's *t*-test

