



**Fig. S1 Transcription of cytokinin oxidase/dehydrogenase genes in *Arabidopsis* during leaf senescence.** (A)-(E) qPCR analysis testing the relative expression of *AtCKX1*(A), *AtCKX2*(B), *AtCKX4*(C), *AtCKX5*(D) and *AtCKX6*(E) during leaf senescence in wild type plant. NS, leaves at fully expanded stage; ES, leaves at early senescence stage, less or equal 25% yellowing; MS, leaves at middle senescence stage, about 50% yellowing; LS, leaves at late senescence stage, greater or equal 75% yellowing. Data indicate mean values  $\pm$  SD of three samples. Significant ( $P < 0.05$ ) differences between means are indicated by different letters using Tukey's HSD test.