

### **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

Description: Summary of SNPs and indels within the narrowed down region (FlyBase region 12,743,139–12,780,370) in *Nac*<sup>Δ<sup>1</sup></sup> mutants. Grayed rows indicate the position of each gene.

File Name: Supplementary Data 2

Description: List of oligonucleotides used for qRT-PCR analyses.