

Quantitative RT-PCR. Total RNA was extracted from adult flies using Trizol reagent (Invitrogen). RNA concentration and integrity were determined by a Nanodrop ND-1000 (NanoDrop products, Wilmington, DE) and Agilent 2100 Bioanalyser (Agilent Technologies, Santa Clara, CA), respectively. One μg of total RNA per reaction was used for double strand cDNA synthesis (Applied Biosystems). Then, 2.5 μl of 1/20 diluted cDNA was used for each qPCR reaction with quantification based on SYBR Green incorporation (Applied Biosystems).