Supplemental Materials and Methods

Flight performance assay. Males were collected at birth and pooled by ten in vials. After the required number of days, males were laid out, by ten, without anaesthesia, at the bottom of a two litter beaker, the walls of which were covered with Silanizing solution I (5% dichlorodimethylsilan in heptan, Fluka) to prevent escape by climbing. Flight was triggered by soft shocks for two min. Flies that have not escape from the beaker at the end of this treatment were considered as flightless.

RT-PCR. Total RNAs were extracted from five adult thoraxes using Trizol (Invitrogen) extraction as recommended by the manufacturer. RT-PCR were performed as described previously (Benoit et al., 2002), except that RNA from 0.1 thoraxes were used for the reverse transcription reaction. Oligos were 5'AGGAGGAGGAGGAGGAGTCG and 5'CATTGCCCGGAGGTGGACTC for the PABPN1 cDNA, and 5'CCAAGCACTTCATCCGCCACCAG and 5'TCGACCACGTGTTACAAGAACTCT surrounding the intron, for the rp49 control.

References