Figure S4.—Video-based analysis confirmed the DAM-based conclusion that mutants deficient in ecdysone signaling show the short sleep phenotype during daytime. Movements of EcR^M857/ECR^NP7519, DTS-3/+ and the corresponding control flies were monitored in the same glass tubes used for the DAM-based sleep analysis during ZT 4–8 by a web camera. The captured images were analyzed with pySolo (Giestro and Cirelli 2009) to calculate total sleep time and mean sleep-bout length (see MATERIALS AND METHODS). Total sleep amount (A and C) and average sleep-bout duration (B and D). Sex and genotype are indicated. Data for control flies and mutants are presented as open and filled boxes, respectively. N = 17 to 25. *, P < 0.05; ***, P < 0.001. Error bars represent the s.e.m.