

Report

Dynactin suppresses the retrograde movement of apically localized mRNA in *Drosophila* blastoderm embryos

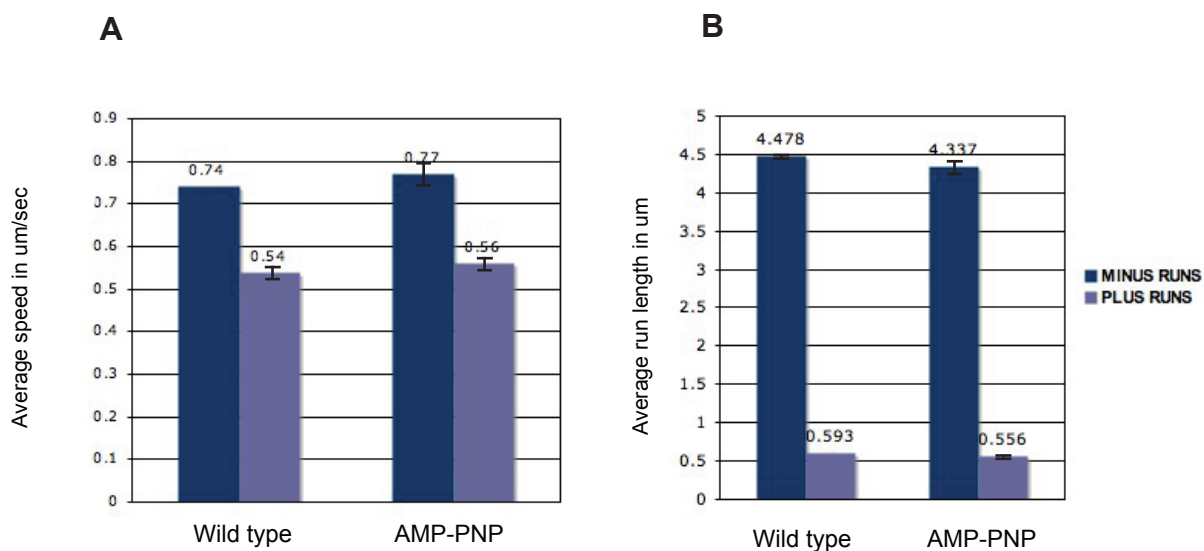
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Supplementary Figure 2



Supplementary Figure 2: RNA motility is not impaired by the kinesin inhibitor AMP-PNP.

(A) Mean speed of minus and plus runs in non-injected ($0.74 \mu\text{m}/\text{sec}$ and $0.54 \pm 0.01 \mu\text{m}/\text{sec}$ respectively) and injected embryos ($0.77 \pm 0.02 \mu\text{m}/\text{sec}$, and $0.56 \pm 0.01 \mu\text{m}/\text{sec}$ respectively). (B) Average length of minus and plus runs in non-injected ($4.478 \pm 0.023 \mu\text{m}$ and $0.592 \pm 0.0034 \mu\text{m}$ respectively) and injected with $100 \mu\text{M}$ AMP-PNP embryos ($4.337 \pm 0.078 \mu\text{m}$ and $0.556 \pm 0.013 \mu\text{m}$ respectively). Values shown are mean values for all runs analysed \pm SEM. p values are $p=0.7072$, $p=0.8321$, $p=0.6151$ and $p=0.699$, for minus velocity and plus velocity, minus runs length and plus run length respectively.