## Highly effective proximate labeling in Drosophila

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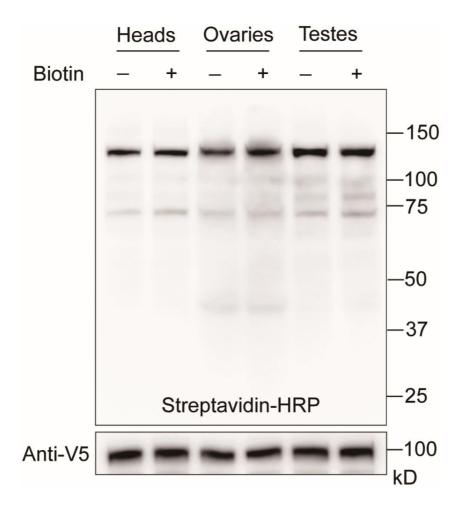
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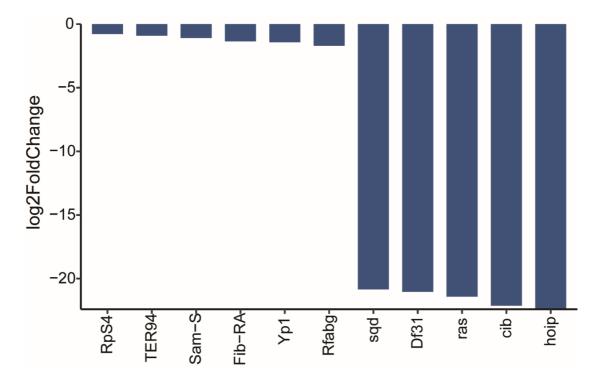
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## **Supplementary materials**

Table S1 Figures S1-S4 Table S1. List of proximate proteome of CTPS cytoophidium and disrupted<br/>cytoophidium.<br/>(in separated excel file)



**Figure S1. CTPS-mCherry was expressed ubiquitously via da-GAL4 driver.** Western blotting visualizing biotinylated proteins in different tissues from adult flies with streptavidin-HRP. CTPS-mCherry expression was detected by anti-V5 blotting.



**Figure S2. List of 11 enriched proteins residing adjacently to mutant CTPS.** Bar blot list of 11 enriched proteins of mutant CTPS compared to wild type CTPS.

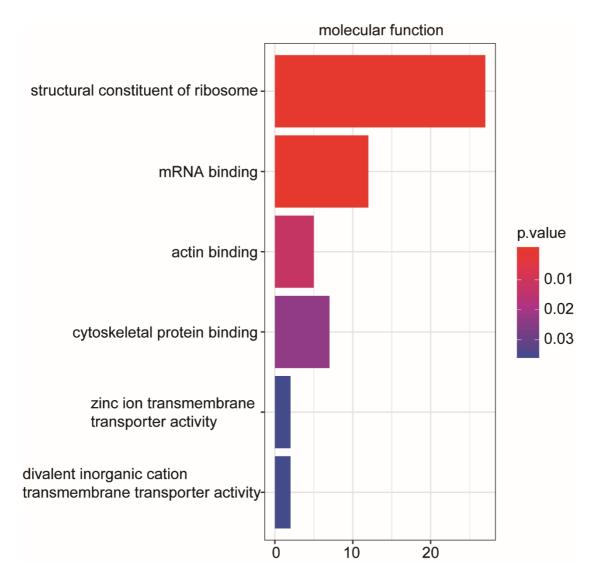


Figure S3. Enriched proximate proteins of CTPS classification based on molecular functions. The single-item enrichment of p-value lower 0.05 is shown and ranked by p-value.

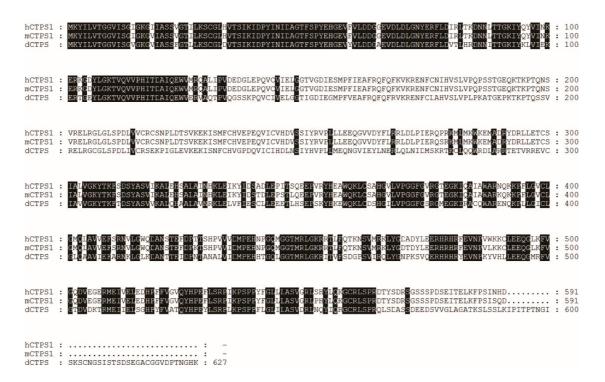


Figure S4. Sequence alignment result of hCTPS1, mCTPS1, and dCTPS. Conserved amino acids were indicated in black.