Neuronal ribosomal protein function regulates *Drosophila* growth and development

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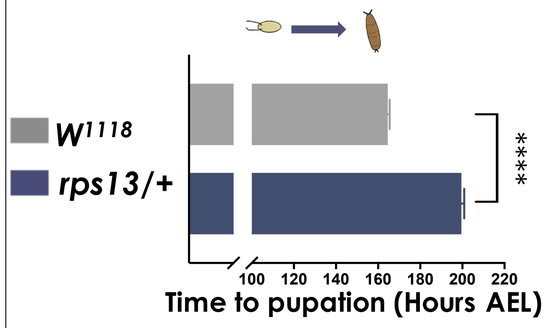
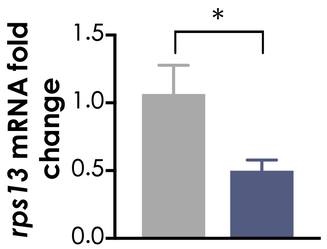
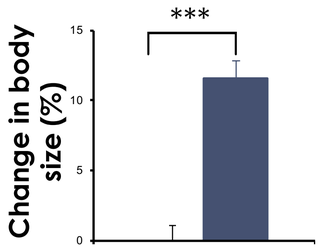
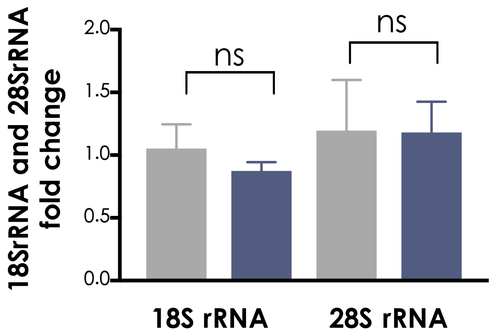
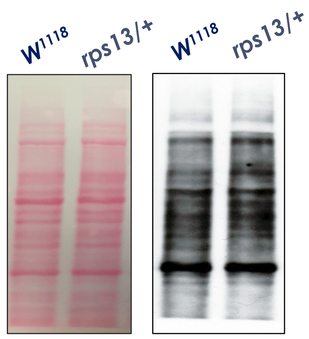
1. *rps13*/+ animals are delayed in development but show no change in global ribosome numbers or protein synthesis rates

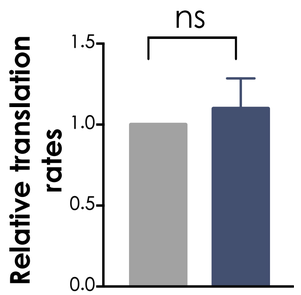




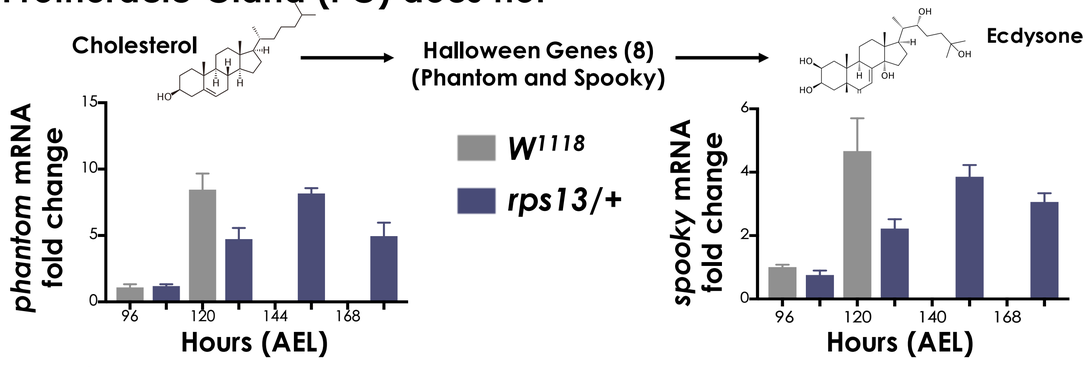


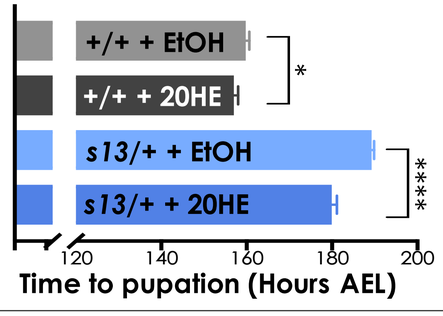


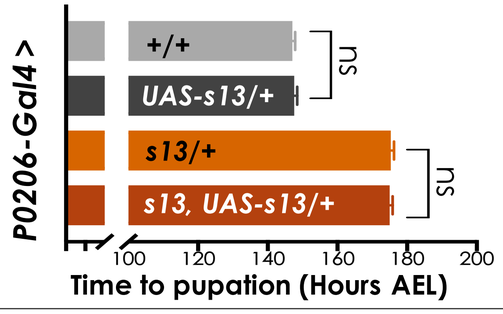




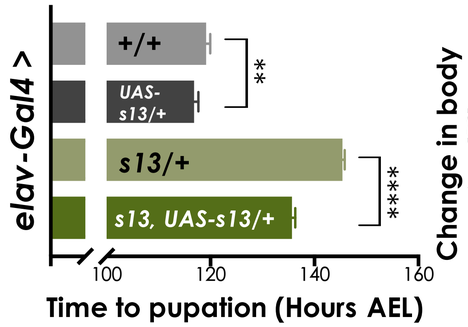
2. Ecdysone production is delayed in *rps13*/+ animals and 20HE feeding partially rescues delay. RpS13 re-expression in the Prothoracic Gland (PG) does not

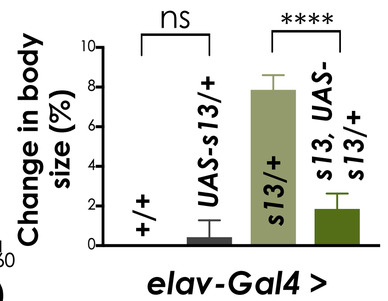


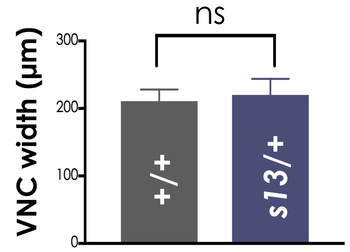


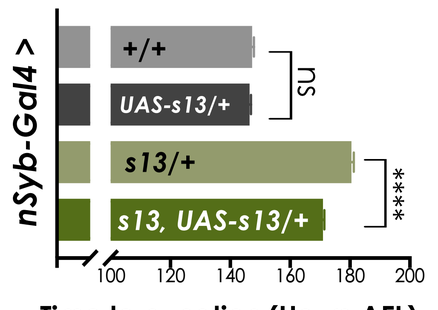


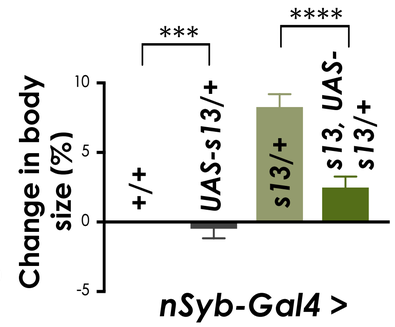
3. RpS13 expression in neurons partially rescues developmental timing and body size in *rps13*/+ animals. Brain size and translation rates are unaffected

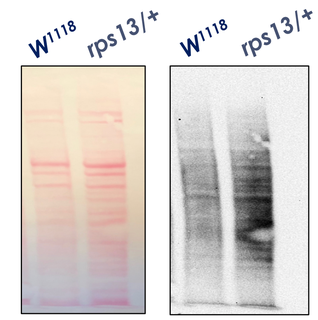
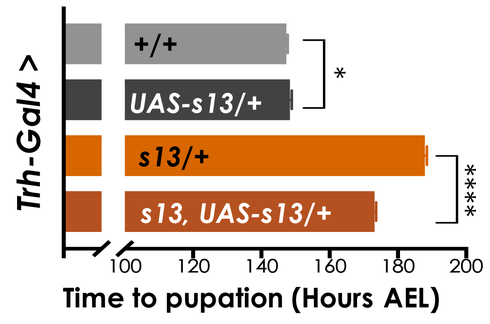
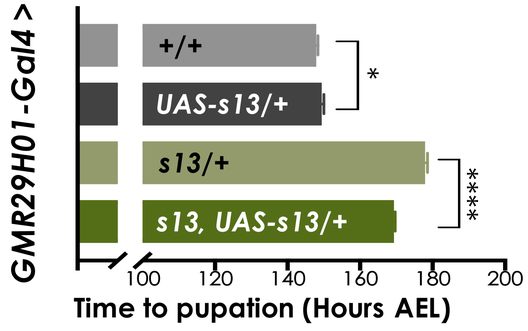
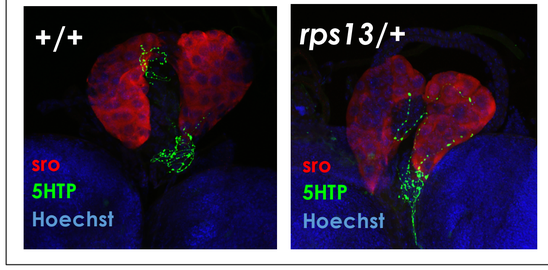
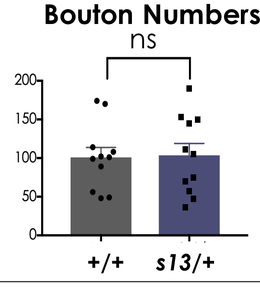
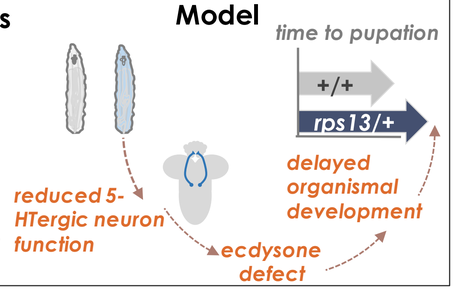












4. RpS13 expression in serotonergic neurons partially rescues *rps13*/+ phenotypes, however axonal projections into the PG are not affected.