

Title: Supplementary Data 1.

Description: Summary of RIP-seq results Description: Summary of the transcripts that co-immunoprecipitate with ENDU-2(E454Q)::EGFP.

Title: Supplementary Data 2.

Description: Summary of microarray result Description: Differentially expressed genes in *endu-2(tm4977)* vs. *endu-2(tm4977)*; *byEx1375[endu2P::endu-2::EGFP]* at 25°C.

Title: Supplementary Data 3.

Description: Summary of the gonadal RNA-Seq data. Description: List of genes expressed in the wild type gonad and differentially expressed genes in gonad of *endu-2(tm4977)* vs. wild type at 25°C.

Title: Supplementary Data 4.

Description: Summary of smFISH probes. Description: Sequences of the smFISH probes to detect *endu-2*, *fat-7* and *trcs-1* mRNA.

Title: Supplementary Data 5.

Description: Transgenic strains generated in this study. Description: Summary of all the transgenic animals generated for this study.