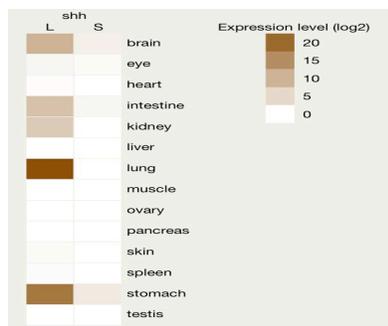


# Xenbase Newsletter ~ Winter 2017

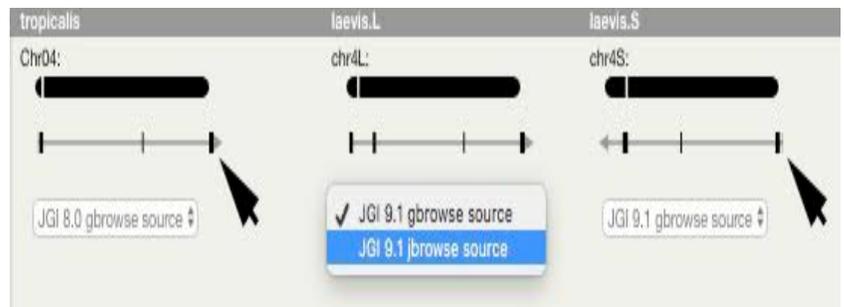
- **The latest genomes are here!** *X. laevis* 9.2 and *X. tropicalis* 9.1 genome assemblies and gene models now on JBrowse and BLAST! Access with a single click via the Genomes or BLAST menu.
- **New interactive RNA-Seq Data viewers and genome snapshots**  
Interactive RNA-Seq profiles of differential gene regulation. Add genes for comparison + save output option. Data from Ding et al 2017, PNAS 114(15):E3081-E3090 - more on the way!



Adult *X. laevis* tissue expression heat map from Session et al 2016, Nature 538 (7625):336-343.



Gene page updates: JBrowse snapshot and chromosome map for *X. tropicalis* vs *X. laevis.L* & *X. laevis.S*. Click to view latest genome builds in JBrowse (arrow head).



- **Lines & Strains** are now merged into single searchable interface. More mutant and transgenic lines coming soon, along with updated Transgenic/Mutant nomenclature guidelines.
- **We have 2 new servers**, so Xenbase is **MUCH** faster (they are aptly named Gastrula and Tailbud). Please be patient as JBrowse takes a few moments to load (we are working to improve load times).
- **New community submission:** 4,690 images of a retinal screen from [Muriel Perron's lab](#) have been loaded to 512 gene pages. Many are the first available gene expression/ISH images for those genes. Images are in our curation pipeline (at first all annotated with 'eye') and can be discovered via Expression Search- enter 'Perron' in Experimenter field. Have a submission? Email Xenbase: [xenbase@uclagary.ca](mailto:xenbase@uclagary.ca)
- **Submit your recent paper for Xenbase article spotlight!** We highlight new, interesting and high impact research on the [Xenbase](#) news slider. To submit your article for consideration, email us ([xenbase@uclagary.ca](mailto:xenbase@uclagary.ca)) the details of the *new* article (title, journal, authors, abstract) and also send us:
  - **a short title** e.g., "Proteomics of fertilization in the *Xenopus* egg".
  - **a short summary** i.e., a significance statement, in a 'review style', about 1 paragraph.
  - **a few figures** to illustrate key results (high resolution jpeg or png). We can use any Open Access figure without additional permission. Not Open Access? Provide unpublished images, or we can work with you to request permissions as necessary!