

Xenbase Summer 2017 Newsletter

Xenbase launched 4 new features (May 2017, Xenbase v 4.3).

1. **NEW** [Interactive RNA-seq temporal expression graphs.](#)

- Incorporates expression data from *X. laevis* genome paper in [Nature, Session et. al. \(2016\)](#)
- Graphs transcripts per million (TPM) values vs. developmental stages: NF stage 8-40.
- Plots *X. laevis* L and S homeologs.
- Access via Gene Page/Expression tab. Example: [bmp4](#)
- *Links from Expression menu and homepage tiles & Tool to add/map gene lists coming soon*
 - ✓ Click the thumbnail graph to open.
 - ✓ Use dialogue boxes to add additional genes.
 - ✓ Graphs can be saved in svg format.
 - ✓ Expression values plotted as either raw or log2.
 - ✓ Mouse over a data point to display the value/stage.

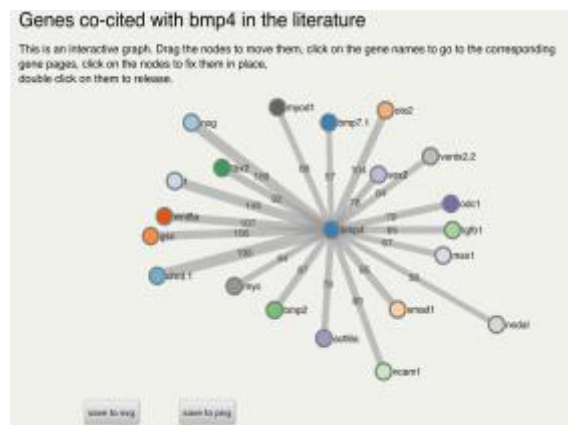


2. View the latest '[Xenopus Research Articles](#)'

- ✓ Top right hand corner of above Announcements.
- ✓ Updated weekly

3. **NEW** [Interactive gene-interaction visualization.](#)

- ✓ Access via Gene Page Summary or Interactants tab e.g., [bmp4](#)
- ✓ Interaction is determined based on co-citation in research articles.
- ✓ Graph can be saved in png and svg format.
- ✓ Graph shows top 20 genes: scroll to show next 20.
- ✓ Number on edges indicate number of co-citations.
- ✓ Click to move a gene/node, double click to release it.



4. *Xenopus* Article Page, now includes a **list of references** cited in the paper (when available).

- ✓ Use the [+] [-] to toggle list. * Links to PubMed and Xenbase Article Pages.
- ✓ e.g., [Wagner et al PLoS Genet. May 1, 2017; 13 \(5\): e1006757.](#)

Need help? Have a question? Contact us: <mailto:xenbase@ucalgary.ca>

If Xenbase contributes to your research, please cite us in your papers. Cite us in Materials and Methods section: Xenbase (<http://www.xenbase.org/>, RRID:SCR_003280). Cite us in references: Karpinka et al. 2015, Nucleic Acids Research, 43(D1): D756-D763; James-Zorn et al. 2015, genesis, 53:486-497.