



Xenbase

Newsletter Summer 2024

NEW JBrowse2 on Xenbase

JBrowse2 is now in beta testing on Xenbase, with the v10.1 *X. laevis* genome, CRISPRscan gRNA tracks and Xenbase catalogs of published gRNAs and MOs already loaded. Coming next ... the *X. tropicalis* v10.0 genome. **Find JBrowse2 on Xenbase via the Genomes menu on the homepage.**

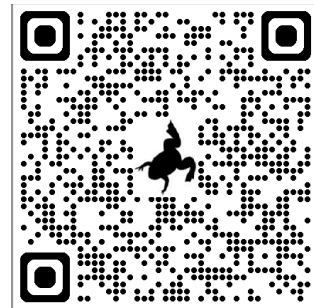
One of the big improvements of JBrowse2 is the ability to view 2 genomes simultaneously. This feature allows you to view linear synteny between *X. tropicalis*, *X. laevis.L* and *X. laevis.S* for each chromosome. A Quick Tutorial video demonstrating this powerful feature will be available soon!

2024 *Xenopus* researcher Survey

Open now! Tell us what you really think!

We want to hear from you about how you use Xenbase. Everyone's opinion is valuable- all *Xenopus* peeps from teaching and research labs, undergraduates, trainees, faculty, adjuncts and staff scientists. Everyone is invited to opine. Please take our new '24 survey today- just click here: <https://forms.gle/5WFANQTKA6TuSyg67>

Or scan this QR code.



New mutant Lines @ the NXR + CRISPR support grows on Xenbase

The NXR now has 126 mutant *X. tropicalis* and *X. laevis* lines available to order, with several mutants available in both species. More CRISPR knockout lines are being developed. The Xenbase gRNA catalog now has 515 gRNAs used by the NXR and in published research, plus JBrowse and JBrowse2 both have a CRISPRscan track of all predicted Cas9 gRNAs against the whole genome and against coding regions.

Xenbase has new computer servers with upgraded VMware operating system, so it is now even faster and more reliable than ever. We hope you notice the faster BLAST operations, searches and page load times.

Summer and Fall Meetings and Conferences:

4EAC, the **4th European Amphibian Club** meetings gets under way in Bordeaux France July 1st-3rd. Xenbase PIs will be there, and we look forward to seeing & hearing great science from our many colleagues and friends in the *Xenopus* community. **SDB**: The **83rd annual SDB Meeting** (Atlanta, Georgia, July 14-17th) and **Midwest SDB** meetings (Madison, Wisconsin, August 11-13th) are a great opportunity to promote the excellent *Xenopus* research being conducted to a broader audience. Hope to see you there! **XRET**, the *Xenopus* Resources and Emerging Technologies meeting will be held Oct 11th-14th at the MBL, hosted by Marko Horb [NXR Director and chief frog wrangler] and his staff. Watch Xenbase homepage for link to registration!

Need Help? Have Questions? Contact us via the Xenbase help desk: Xenbase@cchmc.org