Reinventing MaizeGDB

Abstract

The Maize Database (MaizeDB -> MaizeGDB) turns 20 this year, and such a significant milestone must be celebrated!

With the release of the B73 reference sequence and more sequenced genomes on the way, the maize community needs to address various opportunities and challenges.

MaizeGDB, the community’s Model Organism Database is in an excellent position to address evolving needs by expanding the overall functionality of MaizeGDB. Cosmetically, we will modernize the appearance and simplify page organization and navigation. Functionally, we will put particular emphasis on ways to view and compare multiple data types. A key component to the redesign will be community involvement. To insure that the new interface is useful, guidance and beta testing groups will be created and consulted. Here we report our anticipated timelines while continuing to update the data as usual over time. The redesign will be both cosmetic and functional.

The overall goal of the redesign is to create a clean modern interface with improved user interaction while expanding the overall functionality of MaizeGDB. Cosmetically, we will modernize the appearance and simplify page organization and navigation. Functionally, we will put particular emphasis on ways to view and compare multiple maize genomes, billions of SNPs, and new ways to search and browse phenotypes, gel images, QTLs, and other data types. A key component to the redesign will be community involvement. To insure that the new interface is useful, guidance and beta testing groups will be created and consulted. Here we report our anticipated timelines and focus on initial concepts and designs, new features to be deployed (data, tools, and resources), and outline how you can be involved in changing MaizeGDB to better meet your needs.

Timeline

Why Now?

Biological Tools:
- Diversity
- Multiple Fully Sequenced Genomes
- Orthology

Computational Access:
- Portal
- Serve & Consume Remote Data

We want to hear from you!

We want to make the new MaizeGDB as useful as possible. Please let us know what you would like to see in the new MaizeGDB. Send us your feedback:
1. Fill out the survey here at the meeting, and also future surveys that will be coming by email.
2. Use the feedback button at the bottom of every page.
3. Discuss MaizeGDB at your lab meeting—write up a report and email it to us.
4. Talk to any member of our group— in person or on the phone or by email.

Technology Upgrade

MaizeGDB Team

Stay Connected to MaizeGDB!