



Cold Spring Harbor Laboratory

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Roger Wise, USDA-ARS, Department of Plant Pathology
Julie Dickerson, Department of Electrical and Computer Engineering
Iowa State University, Ames, IA
50011-1020

Dear Roger/Julie,

I was excited to hear about your NSF-PGRP proposal "TRPGR: NextGen PLEXdb - Enabling Expression Resources for Plants and Plant Pathogens", to expand the PLEXdb resource to display the new maize 100K Affymetrix probe array as well as RNA-seq and Nimblegen data sets.

Here at MaizeSequence.org, and at Gramene, we will integrate the 100K Affymetrix as a dbXRef using the native Ensembl array mapping tool. We will include as part of these references reciprocal links between their location in MaizeSequence.org and the annotation/expression portal at PLEXdb. In this way, individuals will be able to navigate seamlessly between the sequence and physical map at MaizeSequence.org and expression tools and visualization at PLEXdb, to provide a community maize expression data outlet.

We have enjoyed working with the PLEXdb team in the past to provide alignments for the Barley1, wheat, and rice Affymetrix probe sets on the rice genome browser at Gramene. We will continue to work with your team to provide updates to expression array data in an automated fashion using standard identifiers and methods for integrating expression array data for genomes hosted by Gramene.

Best of luck on your proposal.

Sincerely,

Doreen Ware