



Cold Spring Harbor Laboratory

Doreen Ware, Ph.D.

USDA ARS

Adjunct Associate Professor

Subject: letter of collaboration with Gramene for the BARD 2011

Dear Eyal,

I am writing this letter of support as PI of the Gramene project to collaborate with you on the proposed research, "Combining diversity within *Sorghum bicolor* for genomic and fine mapping of intra-allelic interactions underlying heterosis".

Gramene is an interpretive resource for comparative genome analysis in the plants. Our goal is to facilitate the study of cross-species homology relationships using information derived from public projects involved in genomic and genetic studies.

We are very pleased to support your groups' plan to develop an integrated genomic map of allelic interaction leading to heterosis and adapt it to our current software and visualization modules. This is including the integration of HTL mapping algorithm and the phenotypic and resequencing data developed by your group on our project web site. Specifically, Gramene will accept and display founder lines annotation in DAS track format that can be directly loaded to Gramene to encourage access to the information by the broad research and education community. We will specifically work with your groups to develop standards for describing these data sets to support integration and interoperability.

Virtual meetings will be set up between our groups to maintain communication and discussion on research topics of mutual interest. Several PIs from our groups have established records in research collaboration, which would facilitate this process.

We request that your group be responsible for a collaborator's page on Gramene that will include information on the project and example links to available data within Gramene. We would also request that your group produce a video tutorial that demonstrates how to navigate to the data within Gramene. You will be responsible for providing twice-yearly updates to the collaborators page to coincide with Gramene updates, including the development of the content and the video tutorial. We also request that you contribute to the Gramene news blog at the time of integration and when a publication of the data set is published. We would also like to invite a member of your team to participate in twice-yearly meetings to develop standard -descriptors for the functional analysis you will be contributing. We would also be happy to host a person from your project for a short visit to Cold Spring Harbor if appropriate.

Please be aware that we can only commit serving the data for the length of the current Gramene grant that will be ending in October of 2011. The Gramene grant is currently under review and if

funded we will be happy to continue to serve the data as long as funding for our projects exists. We look forward to working with your group and wish you the best of luck on your proposal.

Sincerely,

A handwritten signature in cursive script, appearing to read "Doreen Ware".

Dr. Doreen Ware