RosEXEC Minutes

APRIL 27, 2016

TELECONFERENCE, 10-11:00 AM PDT

Meeting called to order by C. Peace, 10:03 PDT

AGENDA

ATTENDEES:

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WELCOME

- Cameron Peace (Chair), Ksenija Gasic (Vice Chair), Mercy Olmstead (Secretary)
- Adoption of minutes from January 2016 meeting in San Diego, CA
  i. Minutes adopted and can be posted online with addition of NAPB and ASHS meeting.
- Need to decide when to do the next meeting – at RGC 8 or have a teleconference?

GDR ADVISORY BOARD

- Curation – finished the black raspberry genome, completed on the GDR dev (in-development, non-public) website, but will stay private until published
- Updated NCBI Rosaceae genes
- Uploaded information from 10 manuscripts into GDR
- No new RosBREED data for breeding data, but uploaded the 2015 evaluation Clemson Variety evaluation database (peach.clemson.edu)
- Conversion of GDR from Drupal 6 to 7 – mobile-friendly
- Continued development of GDR Breeding Information Management Systems (BIMS)
• Added new page for publications datasets

• Project communication:
  o Presentations at PAG
  o Updated GDR brochure
  o Met with AgBio Data group to add at face-to-face workshop for Tripal databases
  o NSF – Development of cyberinfrastructure for... $3 million for 3 years
    ▪ Extending Tripal out to forest databases, but will be able to mine data from other databases on the Tripal platform.
  o Submitted GDR abstract for 4th International Strawberry Symposium

• Much of the work was in GDR infrastructure

• Metrics for Q6: No real change in usage of GDR

• Q7 plan of work March–April, 2016
  o Go live with black raspberry genome
  o Complete synteny analysis between Malus, Fragaria, Pyrus, Rubus, and Prunus
    ▪ Fragaria vesca or F. bracteata?
  o Update PeachCyc, FragariaCyc and AppleCyc databases
  o Add in the apple 480 SNP array data for Malus x domestica (Bianco et al., 2016)
  o Finish refining protocol for the reference transcriptome analysis (RefTrans) for Rosaceae species and make Rubus RefTrans available
  o Survey of GDR users
  o GDR newsletter sent out
  o Presentations for RGC8

• Eric – regrading latest genomes available:
  o Need to be able to see where the polymorphisms are located in GBrowse – is this possible?
  o Malus x domestica would be a good one to start with because of amount of information available (plus it’s on its 4th version).
  o More information will be available in strawberry although ploidy level may be tricky
  o Cameron – maybe peach?

• Eric – perhaps Tuesday or Monday evening for a GDR event?

• Sook – Fragaria x ananassa information + other tetraploid strawberries – how much are people using the genomes?
  o Should these be put on GBrowse?

ROSACEAE SPECIES WEBPAGES FOR GDR – S. JUNG

• Almost done with species descriptions, just need Fragaria and F. vesca
• M. Olmstead helping with authoring/collection authors
  o Link to Google Document at for current status: http://bit.ly/1naGz70

NON-RESEARCH UPDATES

• Industry update
  o J. McFerson – Some problems with late freezes, particularly in the northeastern U.S.
- APHIS is trying to redefine “biological technology” to deregulate genetic engineering products
- “...advising the public that the Animal and Plant Health Inspection Service (APHIS) plans to prepare a programmatic environmental impact statement in connection with potential changes to the regulations regarding the importation, interstate movement, and environmental release of certain genetically engineered organisms”
  - See: https://www.regulations.gov/#!docketDetail;D=APHIS-2014-0054
  - Could embryo rescue be included?
  - Participate in discussions via positions or through industry organizations.
- Info and Tech Transfer
  - RosBREED presentations being made to growers and other stakeholders
  - RosBRIEFs posted online, distributed to major fruit media magazines in the U.S.
  - Technical training modules (for breeders) upcoming (J. Piaskowski, WSU)

**COMPETITIVE FEDERAL GRANT PROJECT REPORTS**
- RosBREED 2 – C. Peace
  - Quarterly newsletters
  - Peach field day (FL) and to Florida Department of Agricultural and Consumer Services (FL)
  - Poster presentation at NARBA in Williamsburg, VA
  - Northwest Horticultural Council presentation about RosBREED and the SCRI program in Washington D.C., focusing on impacts of systems-based approaches for research

**RESEARCH FIELDS AND TECHNOLOGY UPDATES**
- Strawberry Affymetrix array – V. Whitaker
  - Next generation array needs to include octoploid information
  - This array will be to lower the cost of using the array in collaboration Steve Knapp at UC-Davis
  - $50.00 scanning + chip cost
  - Should be done by end of May

**UPCOMING MEETINGS**
- 3rd International Symposium on Biotechnology of Fruit Species: 27 Apr - 1 May 2016, at Antalya, Turkey
- Rosaceae Genome Conference - RGC8: 22-24 Jun 2016, at Angers, France
- American Society for Horticultural Science Annual Meeting – 8-11 August 2016, Atlanta, GA USA
- National Association of Plant Breeders Annual Meeting, hosted by Cotton Incorporated and North Carolina State University, Raleigh, NC, 15-18 August, 2016
- 4th International Strawberry Symposium 14-17 August, 2016, Quebec City, Quebec, Canada
- 11th International Symposium on Integrating Canopy, Rootstock and Environmental Physiology in Orchard Systems: 28 Aug – 2 Sep 2016, Bologna, Italy
- 1st ISHS International Apple Symposium, 10-16 October, 2016, Yang Ling, Shaanxi Province, China
- 4th Symposium on Molecular Markers in Horticulture: 7-10 Mar 2017, Napier, NZ
• 8th International Cherry Symposium: 5-9 June 2017, at Yamagata City, Japan

OTHER ANNOUNCEMENTS

Scheduling for next RosEXEC teleconference:

• Timing to get maximum participation? Early morning Pacific, afternoon East, night Europe
• Plan to alternate timing of quarterly meetings to include southern hemisphere and then the European community

Meeting adjourned at: 11:05 AM PDT

Minutes by Mercy Olmstead (Secretary); minor edits by Cameron Peace (Chair)