**AGENDA**

**ROSEXEC Teleconference**

**April 21, 2015**

Welcome

* Gayle Volk (Chair), Cameron Peace (Vice Chair), Ksenija Gasic (Secretary)
* Attendance:
* Doree Main, Amy Iezzoni, Sook Jung, Cameron Peace (phone), Desmond Layne, Gayle Volk, JD Swanson, Michael Wisniewski (phone), Riccardo Velasco (phone), Gil Bushakra, Chen Chunxian, Mercy Olmstead, Michael Dossett, Kenong Xu, Ksenija Gasic
  + Adoption of minutes from 11 Jan 2015
    1. Minutes accepted with no corrections

Report from the Rosaceae Gene Naming Standardization subcommittee (Sook Jung)

Subcommittee members: Sook Jung (chair), Robert Schaffer, Lee Meisel, Doug Bielenberg, Carole Bassett, Michela Troggio, Janet Slovin, Dorrie Main, Chris Dardick).

* Committee Goal: To come up with Rosaceae gene naming principle and mechanism for enforcement
* Status of final product
* Sook: done with the recommendation and with manuscript, suited to TGG waiting on reviews. Also posted on GDR. Gene class for the symbols to standardize gene naming posted on GDR. How to contact various journals to make sure authors get in touch with GDR for gene naming standardization? As GDR or RosExec? Dorrie – RosExec would have more power than GDR because it presents community. Gayle needs to run this by her supervisors.
* Gill – needs clarification. Are we asking journals to enforce naming standards?
* Sook – not to enforce it but to make sure authors submit the name of the genes to GDR so there is no duplication with gene names.
* Gill – instruction to authors about gene naming and standardization and to submit the gene to GDR (Michael W). We can recommend using the GDR gene list to make sure there is no duplication.
* Dorrie – mapping data, and gene data for Rosaceae community.
* KGasic - prepare the paragraph and send it to all of the journals that publish gene information
* Gayle – that should come from the subcommittee. Dorrie – it needs to come across as the Rosaceae community is requesting that
* Cameron – gene naming information needs to be in home page, right now is under help and on several other places so it is more obvious; a box with an example on top of the instructions would be useful for gene naming;
* Chen – search through inventory of the gene names to check if the name is already used; Dorrie - GDR can create that search option at the moment you can find it under the species gene information page
* Sook – there is already gene class naming page; it is searchable from gene list page. If the name is already published it will not be changed, for new genes follow the recommendation,
* Cameron – make a new column for gene aliases
* Dorrie – give GDR priority list for improvement of the web site
* Sook – ontology pages already exist and can include all of the information
* Cameron – have a subcommittee that will check the proposed gene names against the list of already published names and come up with suggestions
* Gayle – assemble the sub committee form broad Rosaceae community not just RosExec members. Have each crop representative in the committee. The subcommittee will discuss details.
* Rosaceae locus naming committee – CPeace
* Sook – trait name is abbreviated to be used in the naming genes/loci etc; Gene submission template is ready on GDR
* Kenong – Link between gene names and the genome – already exist; NCBI system for gene prediction is very good – how to use it within GDR? NCBI is re-annotating apple genome, how to link that to the GDR information
* MWisniewski – it needs to be assessed to see the differences between different versions of the genome
* Riccardo – NCBI might miss genes; new annotation of apple genome v4 will be available at the beginning of 2016 with more information and better annotation. Suggestion – need to remind people that there is another annotation of the for example apple genome available at NCBI besides GDR. NCBI does not consider sequence position (paralogs, homologs).
* Riccardo question for Dorrie and Sook – gene annotation approach question – using orcae.org system for prediction, currently used in grape and solanaceae. Sequencing dh apple genome, using RNA Seq data to prepare new subset of genes for annotation and predictions – will not be available until the next PAG meeting. Apple genome version 3 will not be re-annotated because new sequences are being generated.
* Gayle – Cameron subcommittee for gene naming, and for locus naming/submission to be formed from crop representatives (Cameron is chair of the sub committee).
* M. Wisniewski suggested to hold off on the letter to the journals before the evaluation of the gene naming is completed and we feel comfortable with it.

Rosaceae Species Webpages for GDR

* Informational pages (text, tables and pictures) about Rosaceae species
* Apple summary information is posted on GDR
* Gayle – apple already done, not evaluated yet, need feedback on the information posted on GDR; where is the information collected from for other species
* Sook – all of the species that have data on GDR have their species page, mostly from NCBI
* Gayle – only couple of examples form each species are present in GDR while in GRIN there are many more – when will those be available in GDR or will that be provided. GRIN Global will be more user-friendly than GRIN is. GRIN Global relies on the existing databases and will not contain molecular data.
* Sook – yes that can be done if it is determined to be a priority; need to avoid duplication
* Dorrie – is it a value for the community to put the GRIN data on GDR? For other species do we have the designated people to prepare the species page. Gayle – work with somebody from GRIN to download the list of species for a start.

GDR Advisory Board (AB)

* Report from GDR
  + reports provided to the RosEXEC members 2 weeks in advance of the phone conference. Report is prepared by task – was it appropriate or there is a different way to prepare the information.
* Comments from RosExec to GDR
  + CPeace – it was not obvious what the objectives are, so it is difficult to assess the work on the certain objective, how long will it take to accomplish it and is it behind etc. The timetable will be provided where AB can check the progress on each objective. It is not clear where the objective is going and how to assess if it is progressing. Provide the explanation of what is the objective and timeline for accomplishing it. What are the priorities so the committee can react to it
  + Gill – it was hard to understand from minutes if you were not present at the meeting about the project goals and objective accomplishment timeline, so it would be really useful if it is included.
  + Dorie – Q3 plan of work - some of the tasks have already been accomplished; AB to provide input on priorities
  + Riccardo – by next summer there will be 500K apple array data available. Array is currently used on 1200 genotypes. The data are in FruitBreedomics database; hybridizations are still going on, might be presented first time at Eucarpia meeting in June but might not be available for GDR until the end of the year.
  + FieldBook app for collecting field data – KGasic provided update on using the app
  + Gill – what to do with the data already collected and in excel spread sheets
  + Dorrie - GDR has template for providing the data and if it is proprietary it will be password protected
  + Dorrie – any comments on the frequency of newsletters, should it be fancier? Gayle it is fine as it is submitted last time.
  + Gayle one per 6 months is appropriate, Cameron agrees
  + Doorie – should GDR be more active on announcing any major change for the web page
  + MWisniewski – major new ability or improvement via email announcement would be appropriate, CPeace every couple of months send an update
  + MWisniewski – include columns with list of specific activities related to the overall task so the AB can see the progress, and maybe extra accomplishment
  + CPeace – additional details/information in the same document, table is the summary but additional info is linked to the objective in the table so when you click on it, it takes you to that section of the text.
  + Gayle – any additional details and comments regarding GDR project activities and reports can be sent to Dorrie later.

Coordination and updates

* Non-research Update (Jim McFerson and other industry experts present)
  + Industry update
  + US Farm Bill Renewal/Specialty Crop Farm Bill Alliance
  + Outlook regarding federal Specialty Crop grant program
  + Extension: Info and tech transfer
  + GMO regulatory & market update (Arctic Apples & HoneySweet Plums; others?)
* Competitive Federal Grant Project Reports
  + Newly funded projects within the Rosaceae

Other funded AFRI/NSF projects no new updates

* Leverage of large scale opportunities
  + RosBREED2 – Amy starting reporting cycle, Eucarpia meeting will be used to connect RB2 and FruitBreedomics
  + RosRossette project on rose that was funded for Dave Byrne
  + NSF for Apple and Peach tree architecture
  + CGC’s – apple CGC was organized last month via phone conference and will have meeting in Geneva in May 2015. CPeace – major membership changes in CGC Prunus, meeting in Davis sometimes this summer. Gayle – pear CGC had phone conference recently. Next meeting of the small fruit CGC will be organized in October.
* International Project Collaborations
  + FruitBreedomics – GEMFruit is the project that should follow FruitBreedomics, it is in preparation and will be submitted for funding consideration soon.
  + EUBerry
  + Horizon 2020
* 2nd edition of book Genetic and Genomics of Rosaceae – Recent Advances and Application of Knowledge - no new updates

Research Fields and Technology updates – no new updates

* Whole genome sequences and physical maps
  + Updates on status of Rosaceae genomes from community.
* Enabling Technologies in Genomics
  + Sequencing
  + Annotation
  + Transcriptional profiling
  + Markers and genotyping
* Genetics
  + Reference maps
  + Major and QTLs located
* Phenotyping/Phenomics
  + Standardized phenotyping
  + High throughput phenotyping/Phenomics
* Germplasm/genetic resources
  + RosBREED populations as germplasm resource
  + USDA-ARS germplasm
  + Other resources

Meeting reports and announcements for upcoming meetings

* + Eucarpia 2015. June 14-18, Bologna, Italy
  + International Rubus & Ribes Symposium by ISHS, Ashville, NC, June 21-24, 2015
  + NAPB meeting July 27-30, 2015 Pullman, WA
  + ASHS 2015. August 4 – 7, New Orleans, LA.
  + Horticultural Research Journal organizing meeting, October 2015
  + International Symposium on Biotechnology of Fruit Species, Antalya, Turkey, May 1 2016
  + RGC8. June 22-24, 2016, Angers, France – are the dates firm? (Amy I) Check with Fransoa.
  + Rootstock Conference in Bologna, Italy, summer of 2016
  + 4th Molecular markers 2017, March 7-10 Napier, NZ
  + ISHS *Fragaria* symposium in August 14-17, 2016 in Quebec City, Canada

Dorrie – Dates and times of the next phone conferences? Do we keep them or re-visit them?

Gayle – might not be able to make the July meeting. Can we combine NAPB meeting with RosEXEC phone conference? Another option could be ASHS in August in New Orleans. Gayle and Cameron will not attend ASHS

Membership for RosEXEC – never to late to start, send names to Cameron. No need to talk to the potential members Cameron will do it but if you have done it include it in the message to Cameron.