

BIC Genetics Committee Meeting Minutes
During the 2015 BIC Meeting

Meeting location: Niagara Falls Marriott Gateway Hotel, Niagara Falls, ON. Salon A
Date: Nov. 4, 2015
Time: 8:00 – 9:15 AM

Committee Members – all present:

Kirstin Bett **Chair**
Paul Gepts
James Kelly
Phillip McClean
Tim Porch
Carlos Urrea
Juan Osorno
Kal Kalavacharla
Juan Jose Ferreira
Celeste Gonçalves-Vidigal
Phil Miklas **BIC president**

1. Old Business:

- a) **Approval of the Genetics Committee meeting minutes at the DoubleTree Hotel, Portland, Oregon on Oct 30, 2013.**

AIF

- b) ***Co-16* gene symbol** (Maria C. Gonçalves-Vidigal)

Dr. Goncalves-Vidigal presented an updated version of her data supporting a new anthracnose resistance gene locus on Pv04. This locus appears to be distinct from *Co-3* based on mapping but there really needs to be additional segregation data for multiple races from RILs or F3 progenies to complete the hypothesis testing.

Motion: allow the use of *Co-16* as a temporary gene symbol for now. AIF

Dr Goncalves-Vidigal is encouraged to conduct further testing on RILs and or F3 progenies with multiple races to confirm *Co-16* is a separate locus from *Co-3*.

2. New Business

- a) Update “List of Genes- *Phaseolus vulgaris*”
- *Co-17* – anthracnose resistance gene from SEL1308 on Pv03 (Trabanco, Campa and Ferreira, 2015). AIF
 - ALS gene symbols (Thiago Lívio P. O. Souza) – reviewed at meeting in S. Africa (AIF)
 - *Phg-1* on Pv01 from AND277 (A);
 - *Phg-2* on Pv08 from Mexico 54 (MA); and *Phg-2²* from BAT332
 - *Phg-3* on Pv04 from Ouro Negro (MA)
 - ALS 4.1 QTL (*Phg-4*) on Pv04 from G5686

- ALS 10.1 QTL (*Phg-5*) on Pv10 from G5686 and CAL143
- *Pkp-1* - resistance to soybean rust (SBR), caused by the fungus *Phakopsora pachyrhizi*. From PI 181996 (T.L.P.O. Souza et al. 2014)
- b) Reusing defunct symbol names (e.g. *Co-9* renamed *Co-3³*) – absolutely not!
- c) Nomenclature issues:
 - Genotype ID ontology (Bodo R); information on attempts to clarify this within the CG system. Stay tuned.
 - SNP nomenclature (Jim Kelly) – brief discussion about trying to unify SNP nomenclature based on the genome assembly.
 - Acceptable abbreviations for traits (Jim Kelly)
 - crop ontology.org: Some of us need to work with them to tweak their symbols.
 - Bodo Ratz to send out link to the committee; we would then put the link on the BIC Genetics page and encourage people to follow it
- d) GBS data – Discussion regarding where/how it can be stored for all to have access to it.

3. Membership: Ted Kisha added as *ex officio*

4. Next meeting: Pullman WA, August 2016 with the next W3150. Date TBA.