

From: [Scott Allen Jackson](#)
To: [rajeev varshney](#)
Cc: [xuxun Xu](#); [Howard Valentine](#); [Cannon, Ethalinda K \[E CPE\]](#); [Rich Wilson](#); [Lutz Froenicke \(lfroenicke@ucdavis.edu\)](#); [Baozhu Guo](#); [Scheffler Scheffler](#); [Corley Holbrook](#); [Soraya Bertoli](#); [David Bertoli](#); [Yana-Shapiro.Howard \(ICRAF\)](#); [刘心\(Xin Liu\)](#); [Mark Burrows](#); [Peggy Ozias-Akins](#); [Ran Hovav](#); [Richard Michelmore](#); [Steven Cannon](#); [Victor Nwosu](#); [Ray Schnell](#)
Subject: Re: peanut assemblies in GenBank
Date: Friday, August 08, 2014 1:10:53 PM

I'm unfamiliar with GigaScience. Would that preempt a later publication?

scott

On Aug 8, 2014, at 1:01 PM, Varshney, Rajeev (ICRISAT-IN)

<R.K.Varshney@CGIAR.ORG> wrote:

Thanks everyone. I too would support submission in Genbank as well as data release note in GigaScience.

Many thanks and kind regards

Rajeev

On Aug 8, 2014, at 10:08 PM, 徐讯(Xun Xu) <xuxun@genomics.cn> wrote:

And I also suggest to publish a data release note in GigaScience. From our experience from Wheat A and Wheat D genome, the one with data notes is significantly higher cited than the one without. It is simply because the data itself will have a DOI number and can updated by different version. It will be much easier to track by the reader.

From: Howard Valentine [<mailto:hvalentine@peanutsusa.com>]

Sent: Friday, August 8, 2014 7:49 AM

To: Cannon, Ethalinda K [E CPE]; Richard Wilson; Lutz Froenicke; "Guo; Baozhu"; "Scheffler; Brian"; "Holbrook; Corley"; Soraya Cristina De M Leal Bertoli; "; "Shapiro; Howard"; 刘心(Xin Liu); "mburow@tamu.edu"; Peggy Ozias-Akins; "Varshney; Rajeev (ICRISAT-IN)"; Ran Hovav; "Michelmore; Richard"; Scott Allen Jackson; Steven Cannon; "Nwosu; Victor"; 徐讯(Xun Xu); Ray Schnell

Subject: RE: peanut assemblies in GenBank

I agree that we should upload the genomes to GenBank.

Howard

From: Cannon, Ethalinda K [E CPE] [<mailto:ekcannon@iastate.edu>]

Sent: Friday, August 08, 2014 10:32 AM

To: Richard Wilson; Lutz Froenicke; "Guo; Baozhu"; "Scheffler; Brian"; "Holbrook; Corley"; Soraya Cristina De M Leal Bertoli; "; "Shapiro; Howard"; Howard Valentine; 刘心; "mburow@tamu.edu"; Peggy Ozias-Akins; "Varshney; Rajeev (ICRISAT-IN)"; Ran Hovav; "Michelmore; Richard"; Scott Allen Jackson; Steven Cannon; "Nwosu; Victor"; "徐; 讯"; Ray Schnell

Subject: peanut assemblies in GenBank

Hello PGC members,

In April I recommended that the genome assemblies for *A. duranensis* and *A. ipaensis* be submitted to GenBank, and offered to do the submission. I have just received word that GenBank is ready for the submission. We've had researchers ask why the sequence isn't in GenBank, and it is in general good practice to submit high value sequence to GenBank.

There are two downsides: the process is very slow (multiple months) and the sequence is very likely to change as a result of GenBank's stringent QC pipeline. I'm willing to shepherd the genomes through the process and feel the assembly could be improved by the QC pipeline. We should be prepared to release the GenBank-approved assembly as a new version, perhaps 1.1.

Questions:

1. Are there any objections to submitting the assemblies to GenBank?
2. BioProjects: I'll need to set up BioProject records for the assemblies. I am hoping it will be possible to create a BioProject for each assembly, then create a parent BioProject to link them together. My hope is that this parent BioProject would also link the BioProject for the *A. hypogaea* assembly when that's created. Thoughts on this plan?
3. Submit individual contigs + tiling path or whole pseudomolecules? I have a question in to GenBank to see if it's possible to do both (or advisable), but assuming we have to do one or the other, which should it be?
4. The assemblies should be registered with GOLD (<http://genomesonline.org/>). This effort is applying MIxS standards (Minimum Information about any(x) Sequence) to genomic assemblies and transcriptomes. This not only provides dependable and standard metadata for the datasets, but GOLD uses the meta data to provide some fairly powerful search capabilities. I am willing to do this too unless there are objections. (There are no Arachis projects listed in GOLD right now.)

Ethy