

**CMD***cotton microsatellite database*

Newsletter November 2007

Welcome to the November 2007 issue of the CMD newsletter. This issue will cover the progress made by the CMD Development Team in the third quarter of 2007. Please feel free to provide feedback and news directly by email to Anna Blenda blenda@clermson.edu or Dorrie Main dorrie@wsu.edu. A PDF version of the newsletter will be available on the CMD Downloads page.

CMD Work Summary (July 1 – September 30, 2007)

I. Conferences and Presentations

1. CMD was presented by Anna Blenda at World Cotton Research Conference (WCRC-4) during ICGI symposium, on September 11, 2007, at Lubbock, TX.
2. The following paper will be published in the Official World Cotton Research Conference 4 Proceedings:

Anna Blenda, Margaret Staton, Donald Jones, Doreen Main. 2007. **Progress and perspectives of a Cotton Microsatellite Database as a comprehensive public marker depository for *Gossypium*.**

3. A CMD Advisory Board meeting was held on September 11, 2007, at WCRC-4 meeting, Lubbock, TX.

II. New Data.

1. Data for the new SSR project **PGML** (Plant Genome Mapping Lab) was obtained from Dr. Jean-Marc Lacape upon agreement with the project principal investigator Dr. Andy Paterson (**443** cotton RFLP-SSRs). Data is in the process of being curated, organized and uploaded for the display through the CMD.
2. The publications page has been updated in second quarter with 5 new relevant publications, totaling 18 pubs from the start of 2007.
3. In the third quarter of 2007, CMD was visited by users 16,585 times, totaling 48,650 visits from the beginning of 2007.

II. Updated tools and searches.

1. The CMD redesigned database schema incorporating data tables for the new type of cotton markers (SNPs), as well as fsa files of panel screened data for visual display, through automated upload into the CMD, is finalized.
2. CMD data is being uploaded into the new redesigned CMD schema.
3. The CAP3 Server for sequences assembly was updated with optimized output format.

III. On-going work.

1. Preparations are on-going for access to the original chromatograms (fsa files) containing the CMD standardized panel screened data. Links to the freely available software STRand and ABI's Peak Scanner are being made available for user to view the chromatograms.
2. Preparations are on-going to upload and display the first cotton SNP project data provided by Allen Van Deynze (UC Davis), on the CMD.
3. Preparations are on-going to implement SNPServer with AutoSNP program and make it available through the Tools page for CMD users to computationally mine for SNPs in their sequences of interest.
4. Preparations are on-going to present the CMD at the Beltwide Cotton Conference 2008 in Ashville, TN (oral presentation) and at Plant and Animal Genome XVI conference 2008 in San Diego, CA (poster presentation).

Community News

Conferences

[Beltwide Cotton Conference](#) to be held in Nashville, TN, on January 8-11, 2008

[Plant and Animal Genome XVI Conference](#) to be held in San Diego, CA, January 12-16, 2008

- [International Cotton Genome Initiative ICGI Workshop](#) to be held at PAG on January 13, 2008, 4:10-6:20 pm

Subscriptions

Visit our mailing list to be added/removed to the available [CMD mailing list](#). Once you have registered you may use the mailing list to send out relevant information the community and it will be stored in searchable web archives. If you have any difficulties please [contact us](#).

CMD Newsletter

The next CMD Newsletter issue is tentatively scheduled for January 1, 2008.