

DEVELOPMENT OF A COTTON MARKER DATABASE (CMD)

Anna Blenda
Clemson University
Clemson University Genomics Institute
Clemson, SC
Taein Lee
Randall Svancara
Washington State University
Pullman, WA
Don C. Jones
Cotton Incorporated
Cary, NC
Dorrie Main
Washington State University
Pullman, WA

Abstract

The primary objective of the project is to develop and maintain a comprehensive cotton DNA marker (SSR and SNP) database (CMD) resource for the cotton research community (<http://www.cottonmarker.org>). Future development will focus on the establishment of a standard nomenclature for cotton SSRs and SNPs, collecting of all available genetic maps data, annotation of genetic traits/genes in cotton linked to the CMD SSRs/SNPs, improving the tools and functionality of the web interface. The expansion of this database will continue to serve the cotton research community and enhance efforts in cotton cultivar improvement, providing direct benefit to the cotton industry.