

COTTON SNP 63K ARRAY - RESULTS AND FUTURE DIRECTIONS

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Abstract

The CottonSNP63K will be a resource that will be used globally by public and private breeders, geneticists, and other researchers to enhance cotton genetic analysis, breeding, genome sequence assembly and many other uses. To assist the cotton community, a cluster file has been developed and resulted in 45,104 putative intra-specific SNP markers and 17,954 putative inter-specific putative SNP markers in the fixed content which will allow for automated genotyping. We report on the findings using the developed cluster file including high-density linkage maps and utilization possibilities for future analyses.