

High Throughput Genotyping for Increased Breeding Efficiency

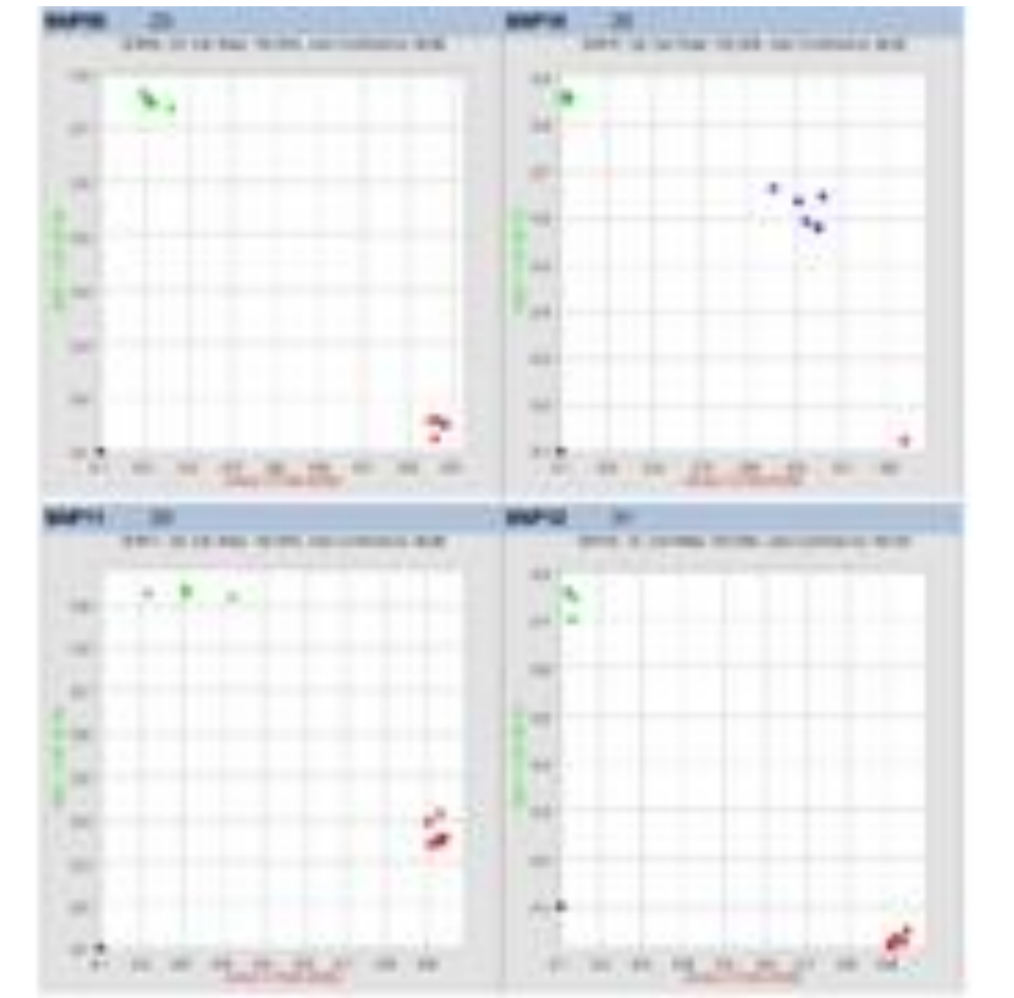
Objective: Implement a platform for cost effective SNP marker profiling

Outputs thus far: Rapid DNA extraction and genotyping platform capable of simultaneously profiling 24 KASP-based SNP markers reducing the overall cost per marker by approximately 8 fold compared to the current standard

Impact: Improved selection accuracy and more efficient breeding

Deployment path: Provided as a service to CWA breeders

Delivery date: March 2016



Resources committed: \$800,000 over 4 years

Opportunity for collaboration: Validating the platforms other potential applications such as marker-assisted backcrossing

CWA Team: NRC: David Konkin, Andrew Sharpe, Christine Sidebottom, Janet Condie

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