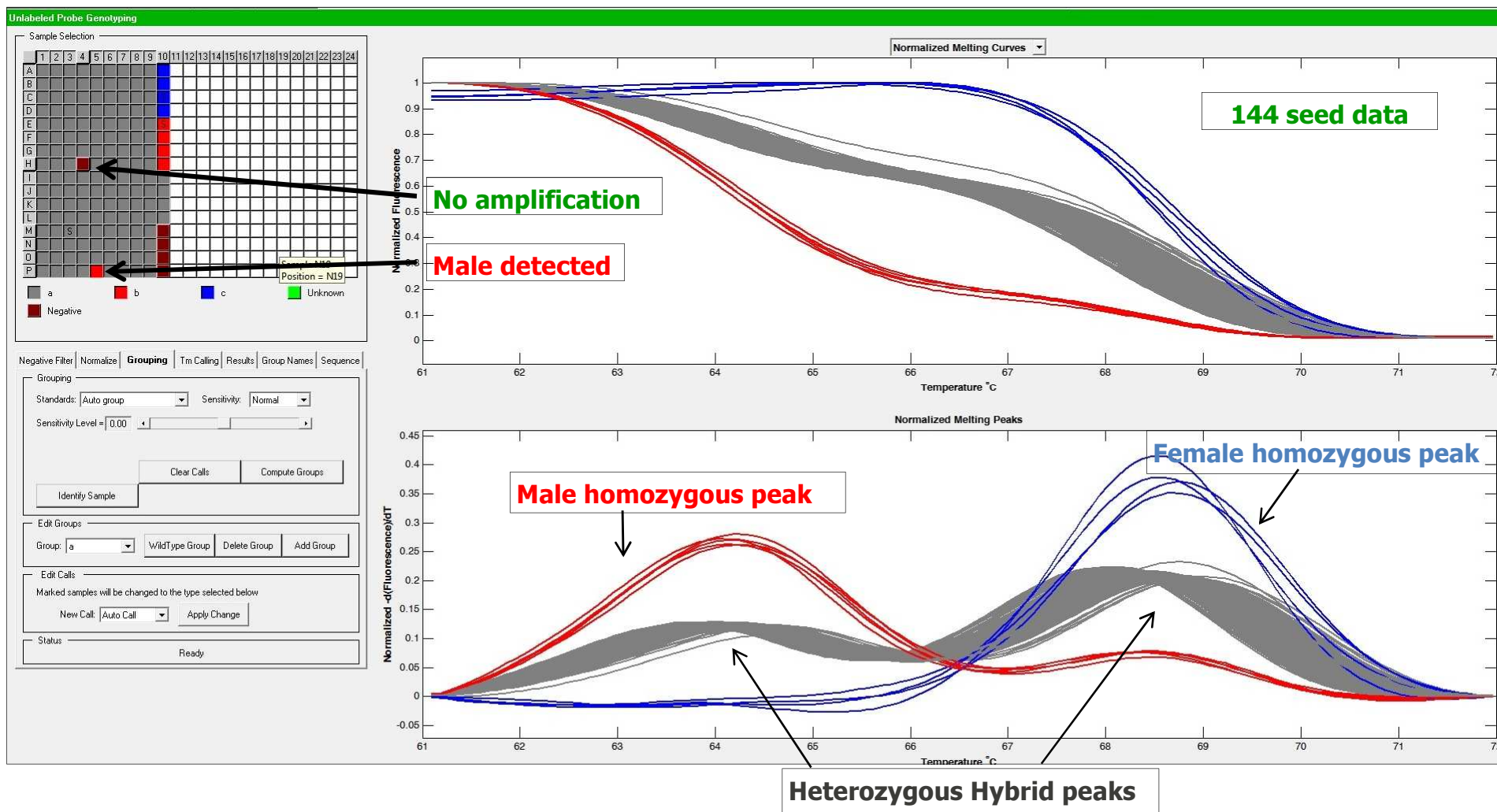


## Hybrid purity assay with SNP markers by using HRM (High Resolution Melt) technology

CSP Labs have developed SNP-HRM assays to determine hybrid purity. These assays are inexpensive when compared to other methods including Isozymes, total proteins, grow outs, RAPD and SSR markers available for hybrid purity. SSR markers are very reliable but are relatively expensive.

Our SNP-HRM assays allows us to process large number of samples in less amount of time. Since our cost to run these assays is significantly low as compared to other DNA marker tests, this gives us an opportunity to pass the savings to our loyal customers. Our customers will not only pay less for the tests, they will also get better turn around time.

At this time our SNP-HRM assays are working well for tomatoes. Assays for other crops including watermelon, melon, pumpkin, squash and pepper will be available in near future.



## **SNP-HRM Assay**

**Perform High quality 96 well DNA extraction**

**2 Hours for 4 x 96 well plates**



**Normalize DNA in 96 well plate using EPmotion liquid handler**

**1 Hour for 4 x 96 plates**



**Run asymmetrical SNP PCR assay using LUNA probe & primers**

**1.5 Hours for 384 well (4 x 96)**



**Analyze samples with Light Scanner**

**15 min analysis in 384 well plate (4 x 96)**



**Updating results on Sample Center**

**15 min**

**Please call CSP Labs for developing a test for your hybrid free of charge.**

**Sukhi Pannu at 916-655-1581 or [sukhi.pannu@csplabs.com](mailto:sukhi.pannu@csplabs.com)**



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