

CWSF 2009 - Winnipeg, Manitoba



Pranay Pratijit

KASPar SNP markers linked to Ascochyta blight resistance gene in chickpea

Division: Biotechnology / None

Category: Intermediate

Region: Saskatoon

City: Saskatoon, SK

School: Evan Hardy Collegiate

Abstract: Ascochyta blight is the major constraint to chickpea productivity in chickpea-growing regions of the world. We have designed eight KASPar SNP markers linked to ascochyta blight resistance gene and carried out KASPar SNP genotyping assays in two parental lines, ILC 72 and CR5-10, and ninety-four RILs. The validated mapped loci will be available for future routine use in high-throughput SNP genotyping assays.

Biography

Pranay was born in Cambridge, UK and moved to Canada in 2001, after living in UK, Singapore and Switzerland. He is currently in Grade 9 at Evan Hardy Collegiate. He likes doing math, science and social studies. In 2008, he received 150 out of 150 at the Gauss Math Contest. Pranay is a keen sportsman and plays badminton and basketball for his high school. His hobbies include travelling, photography, drawing and producing music. He aspires to be a doctor and wants to use biotechnology to find a cure for cancer.