GENOMICS, MOLECULAR GENETICS & BIOTECHNOLOGY

Genetic Mapping of Wheat Curl Mite Resistance Genes *Cmc3* and *Cmc4* in Common Wheat

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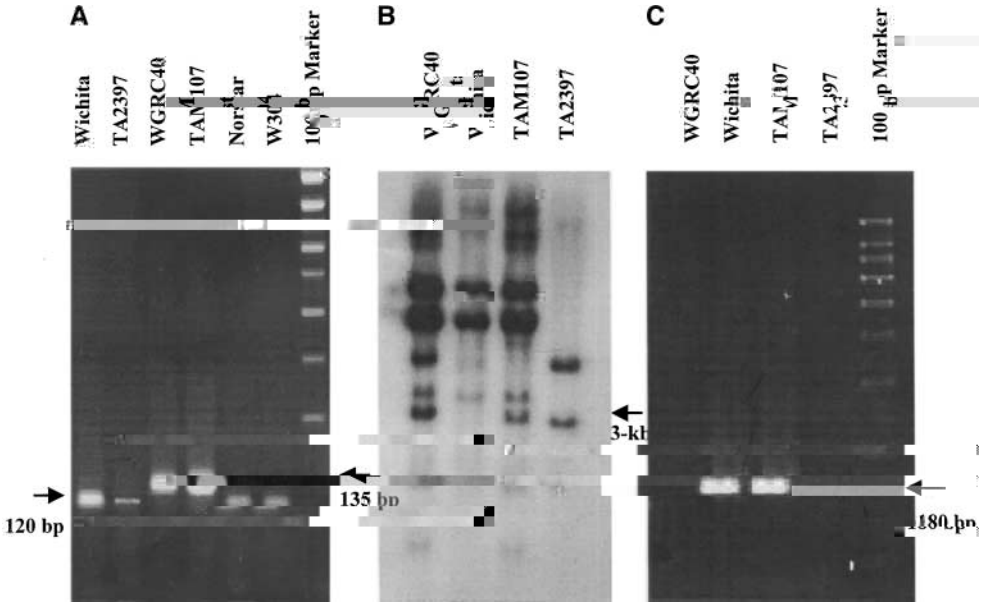
ABSTRACT

Triticum tauschii) (Thomas and Conner, 1986; Whelan

study were TAM 107, 'Tomahawk', 'Wichita', TA 2397,

between KS96WGRC40 and Wichita. Markers showing polymorphisms were then applied to the F_3 population segregating

Table 3. Response of F_2 populations derived from monosomic F_1 plants of crosses of Wichita D-genome monosomics and KS96WGRC40 when infested with the Kansas strain of the wheat curl mite.


A
B
C
Wichita
TA2397
WGRC40
TAM107
100 bp Marker
TAM107
TA2397
WGRC40
Wichita
100 bp Marker
120 bp
135 bp
180 bp

of microsatellite markers specific for the D genome of bread wheat. Genome 43:689–697.

relation to the spread of wheat streak mosaic. Phytopathology 45: 116–128.