

Research on the method of identify the multiple tobacco chromosomes
using count stoma protective cell chloroplast

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Abstract: The tobacco pollen plants which multiply treated by the different concentration colchicines were identified the multiple chromosomes using count the leave stoma protective cell chloroplast. The results indicate that the average chloroplast number of stoma protective cell discrepancy extreme prominence, more than 95% chloroplast number of the haploid were below 14, and more than 95% chloroplast number of the diploid were above 14. The degree of accuracy is 91%, which tested and verified by flowering and seeding, and it could be identified when vegetative development up to the fifth leaf as well.

Key words: tobacco, stoma protective cell, chloroplast number, determine the multiple chromosomes