

e. The source of the a a genotype in the A a x a a backcrosses has no appreciable effect on male or female transmission values.

f. Cytological studies have not been made of the "distortion" stocks but neither the appearance of the ears nor of pollen suggests chromosomal deficiencies or translocations.

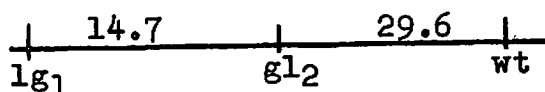
g. Comparable studies with sugarcane mosaic indicate that this virus has no significant mutagenic effect.

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## 2. Linkage of white tip (wt).

This chlorophyll deficient seedling type is characterized by a white tip on the first seedling leaf. In extreme cases this first leaf may be entirely white. Viability is excellent and the mature plant is normal. Backcross linkage data from the cross Lg<sub>1</sub> Gl<sub>2</sub> wt/lg<sub>1</sub> gl<sub>2</sub> Wt are as follows:

Lg <sub>1</sub> Gl <sub>2</sub> Wt	204	lg <sub>1</sub> Gl <sub>2</sub> Wt	17
Lg <sub>1</sub> Gl <sub>2</sub> wt	500	lg <sub>1</sub> Gl <sub>2</sub> wt	124
Lg <sub>1</sub> gl <sub>2</sub> Wt	94	lg <sub>1</sub> gl <sub>2</sub> Wt	475
Lg <sub>1</sub> gl <sub>2</sub> wt	15	lg <sub>1</sub> gl <sub>2</sub> wt	266



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