1. **Linkage tests in homozygous interchange stocks.**

   \(2\times6(001-15)25.78-6\) (sat.) \(\rightarrow \) Break between \(g_{12}\) and \(v_{4}\); \(Lg\ \ g_{12}\) segment attached to 6 replacing at least part of the satellite. Based on 115 plants, recombination values are: \(Lg-g1\) 22.6; \(g1-v_{4}\) 53.0; \(Y-Lg\) 35.2; \(Y-g1\) 17.7; \(Y-v_{4}\) 52.1.

   \(2\times6(5472)8.25-L.15\) \(\rightarrow \) Breakpoint in 2 between \(g_{12}\) and \(v_{4}\).

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   Crosses with the aleurone color testers show that \(r\) is the one with which this character is linked. Crosses have been made with other markers in this chromosome.

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3. **White tip seedling.**

   This character was described last year (M.N.L. 43:114). It appeared among the self progeny of plants from crosses of A188 inbred with pollen from white-striped sib plants, and also in crosses on A188 interchange stocks. The latter \(F_{1}\)'s were backcrossed to white-tipped.

   Segregation for the white-tipped character was close to 1:1, but most cultures had a few white-striped plants similar to the original ones, ranging from plants with a few white stripes to ones mostly white. Only in one culture was the segregation close to 3:1 (49 striped, 157 green).

   There was no evidence of close linkage with T1-3 (5883), T5-7 (5179), T5-7e, or T3-7c. There was linkage with T2-10 (6061) (designated in Longley's ARS 34-16 list as T5-10 (6061)). The data are: