

## 5. Two new pairs of duplicate factors

An  $F_2$  progeny obtained through the kindness of the DeKalb Hybrid Corn Co. was found to segregate close to 1/16 glossy seedlings. Progenies of selfed, normal sibs of these glossy plants segregated 1/4 glossy, 1/16 glossy or were non-segregating in frequencies approximating those expected if the glossy character is inherited on a duplicate factor basis. Linkage tests in  $F_2$  repulsion phase, place one member of this duplicate pair on the fourth chromosome close to  $su_1$ , the other in linkage group 2 near  $v_4$ . The recessive forms of a second pair of duplicate factors are associated with a new albescent character. One member of this pair is placed approximately 25 recombination units to the left of  $gl_6$  on chromosome 3. The linkage relation of the other member is not established.

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