

8. Linkage tests with other characters.

Fired - This character is evident as whitish or yellowish white spots on the leaves in the 2-3 leaved stage in corn seedlings. Some plants die in the early seedling stages. In the surviving plants the character continued to show until mature. The χ^2 test for independence showed linkage with red vs. green base color and with aleurone color, but the results need further confirmation.

A second fired character from another stock showed no linkage with sugary or with yellow vs. pale endosperm.

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Zebra (z_{b_1}) - This zebra is quite variable in expression. In some plants it was evident at an early stage, in others at about the 4-5 leaf stage. The character is evident as characteristic pale whitish transverse stripes on the leaves, usually quite apparent on leaves well-advanced in growth.

The linkage test with na and ts_4 , showed no evidence of linkage in F_2 , the recombination values being $0.441 \pm .032$ for ts_4 and z_{b_1} and $.51 \pm .035$ for na and z_{b_1} . A recombination value of $.21 \pm .021$ was observed between na and ts_4 .

Linkage also seemed to be lacking between this character and endosperm color, aleurone color, and basal color of the plant.

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