

2. Shrunken – 3.

Intercross tests for allelism have been made with shrunken and brittles isolated from corn introduction received from the Division of Plant Exploration and Introduction in 1949.

Plant introduction P. I. 177621 was found to segregate for bt_1 (Mangelsdorf, 1926) on chromosome 5.

P. I. 167993 was found to segregate for sh_1 (Hutchison, 1921) on chromosome 9.

A new recessive shrunken (sh_3) was discovered. It is non-allelic to sh_1 or sh_2 , but very similar to sh_2 in appearance. Further tests are in progress to determine linkage relationships.

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