11. Big ring studies.

We now have a homozygous stock which gives a (●) [ring of] 10 when crossed with normal. It was produced by X-raying the homozygote for a (●)8.

The other method, building larger rings by planned intercrosses is making some progress. A number of different homozygous stocks have been produced which give a (●)6 in crosses with normals. Intercrosses have been grown, and what appear to be the desired crossovers will be tested this summer.

The suggestion of Nishimura and Kurakami is that a combination of smaller rings may be usable. This should be attainable earlier than a ring including all the chromosomes. In corn, plans are set up to produce a (●)10 + (●)10; also (●)10 + (●)6 + (●)4 first; although the final goal is the complete ring.

A ring of 8 has been obtained in barley as a chance result of a cross.

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