

3. Plasmodial microsporocytes, aneuploid metaphase I and asynapsis in X-ray induced-twins.

Plasmodial masses of microsporocytes, presumably due to a premeiotic suppression of cytokinesis, were frequent in both members of a set of twins isolated from the F₁ following pollen treatment of 1000 r.

Hyperploid and hypoploid metaphase I figures also occurred. All of the pollen mother cells exhibited varying degrees of asynapsis. Metaphase counts of 19 plus a fragment and 19 were obtained for both members from aceto-carmine smears and crystal-violet sections of root-tips.

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