DIAGRAM OF A CROSS HETEROZYGOUS FOR INVERSION H4250. (D. Newmeyer.)
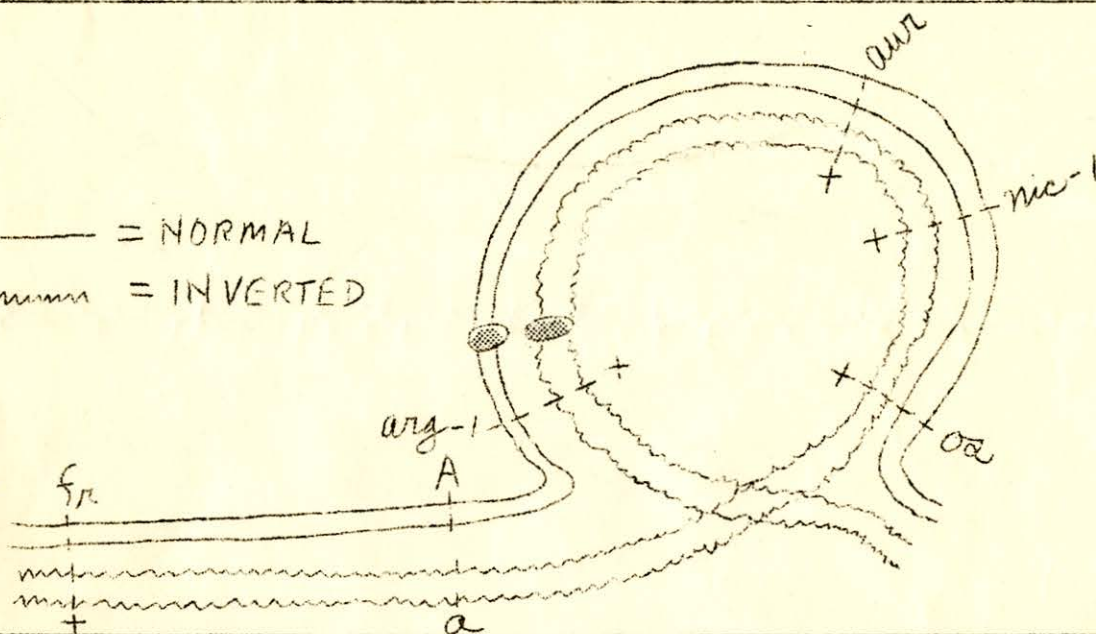
in chromomatic places

(a) and (b) Synapsis during meiosis. (a) shows complete synapsis to yield an inversion loop. (b) shows only the inverted region synapsed in order to illustrate better how a crossover in the inverted region forms complementary Dp-Df products.

(c) Viable product deficient for right tip and duplicated for most of left arm. Heterozygous for mating-type and frosty.
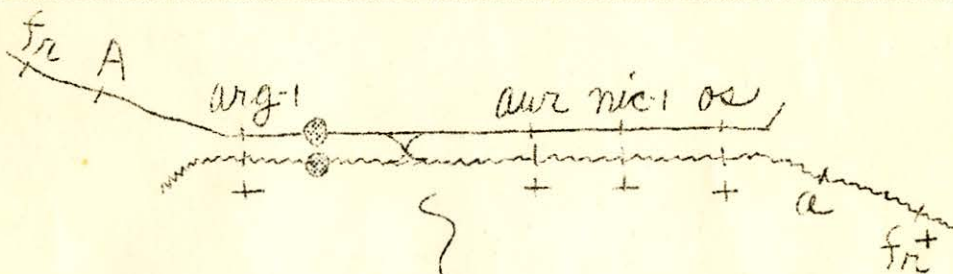
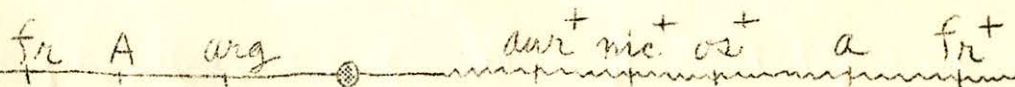(d) Diagram showing how mitotic crossing over in the duplicated region might yield products homozygous for mating-type and frosty.