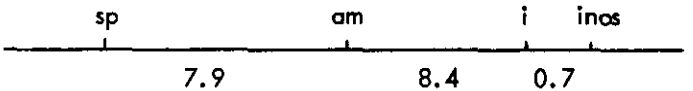
Bürk, R. R. The location of i, enhancer of am. It has been found that i (1444) grows less well on Fries No. 3 nitrogenless medium with 0.05 M L-aspartate as sole nitrogen source than does i^+. i (1444) was crossed to sp (1405) and 120 ascospores isolated. 85 germinated and were growth tested on Fries medium without the nitrogen source (Fries N^-) supplemented with aspartate and Fries N^- with ammonia. The following segregation

i + 41, i sp 7, + + 9, + sp 28

indicated 18.82 ± 4.24 per cent recombination. Fincham and Pateman (1957 J. Genet. 55:456) reported 8 per cent recombination between am and i, which would indicate that i is distal to am on linkage group V, i.e., near the inos locus.

i was located by the cross A; sp, am, inos (1474) x a; am, i (1357) (Fincham's strain 1499-14). 2,059 ascospores were spread on Vogel's minimal medium. Of the 1,209 which germinated, 4 grew after 3 days with a spray phenotype and were therefore the sp, am, +, + recombinant indicating that the situation in linkage group V is



with i 0.66 ± 0.23 units from inos.

The best method of scoring i found to date is on Fries N^- supplemented with L-proline as nitrogen source. i^+ grows and i does not. - - - Department of Genetics, Milton Road, Cambridge, England. (Present address: Institute of Virology, Church Street, Glasgow W.1, Scotland.