The location of i, enhancer of am

R. R. Bürk
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Abstract
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This linkage data is available in Fungal Genetics Reports: https://newprairiepress.org/fgr/vol6/iss1/22
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 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 2,009 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

<table>
<thead>
<tr>
<th>sp</th>
<th>am</th>
<th>$i$</th>
<th>inos</th>
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<tbody>
<tr>
<td>7.9</td>
<td>8.4</td>
<td>0.7</td>
<td></td>
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</tbody>
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with $i$ 0.66 ± 0.23 units from inos.

The best method of scoring 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.)

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**Perkins, D. D.** *Errata*

In the note "New markers and linkage data" by D. D. Perkins and N. E. Murray (1963 NNX4:26), the following changes should be made:

p. 26: 46802 T(V;VI) inos; not 47904 T(V;VI) inos.

20705: We find that 20705 was already listed in linkage group III as a presumptive allele of 70004 and 27663 by Houlahan, Beadle and Calhoun (1949 Genetics 34:493).

p. 27: Cross 1684. Should have been tabulated in reverse order, with me-6 on the left, to give me-6 8.9 ad-9 3.2 nit-l.

Crosses 1669, 1713: III;VI, not III;V.

Cross 1680: tryp-2, not tryp-1. 75001, not 10575.

-- Department of Biological Sciences, Stanford University, Stanford, California.