Radford,	, A. Prototroph frequencies from	
erosses between pyridoxine auxomophs.		crassa (see Stock Lists in NN's 9 and 10). Seven of these have been previously described (Barratt et al. 1954 Adv. Genet. 6: 1), six being
		classified as pdx-1 and the seventh, on the basis of one recombinant closely linked locus, pdx-2. Four other pyridoxine auxotrophs, plus a fifth subsequently a locus (Tatum et al. 1950 Am. J. Botany 37: 38).
Allele	Prototrophs/10 ⁵ spores	The crossing of pdx-1 allele 35405 to all the other pyridoxine auxotrophs gave
37803	1.1, 2.0*	the prototroph frequencies indicated in the Table.
39106	181	
39706	110,44*	
44204	46, 109*	It seems clear from these results that the initial assignment of allele 44204 to a second locus war incorrect. This allele, in addition to its behavior in recombination, also shows complementation behavior consistent with its being an integral port of the
44502	65. 46*	
46904	13	
V2220	1.2	

44 44 Y2329 1.2 Y 12274 very poor fertility Y30978

Results of crosses between alternate

strains of these alleles

pax- I locus (Radford 1966 Can. J. Gene+. Cytol. 8: 672). Strains Y2329, Y30978 and Y31393 also show the low prototroph frequencies with 35405 which would be ex-

none in 40,000 pected from alleles of pdx-1. Strain Y12274 has so far given insufficient spores, none in 12,000 Y3 1393

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pdx-1. - - Department of Biological Sciences, Stanford University, Stanford,

when crossed to 35405, for satisfactory analysis. It does show fairly close linkage to me-I and col-4 on linkage group IV, and is therefore located in the region of