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C. H. Wilson
University of Kansas Medical Center

L. S. Sajani
Osmania University

P. Maruthi Mohan
Osmania University

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Abstract

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Location of a mutation resistant to cobalt and nickel in LG III of *Neurospora crassa*

C.H. Wilson(1), L.S. Sajani and P. Maruthi Mohan - (1)Fungal Genetics Stock Center, Dept. of Microbiology, University of Kansas Medical Center, Kansas City, KS 66160-7240 and Dept. of Biochemistry, Osmania University, Hyderabad-500 007, India

cor is resistant to 10 mM Co²⁺ or 10 mM Ni²⁺. It was induced in ORS-6a (FGSC 4200) by serial transfers on cobalt-containing (32 mM) agar medium as described by Venkateswerlu and Sivarama Sastry (Biochem J. 132:673-680). A cross of *cor* to *alcoy* indicated a location in linkage group III. It was then crossed to *acr-2 trp-1 dow*. 98 spores germinated and gave the following results:

Parental					Double crossovers				
acr	trp	dow	+	28	acr	+	dow	+	4
+	+	+	cor	22	+	trp	+	cor	2
					+	trp	dow	cor	1
Single crossovers					Simple recombination percentages:				
acr	trp	+	cor	15	cor-acr	41.8			
+	+	dow	+	12	cor-trp	34.7			
acr	+	+	cor	5	cor-dow	1.0			
+	trp	dow	+	9					

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