

Fungal Genetics Stock Center
Cell Biology and Biophysics
School of Biological Sciences
5100 Rockhill Road
University of Missouri, Kansas City
Kansas City, MO 64110

PLEASE PROVIDE COMPLETE INFORMATION

Reprints or other data relating to this deposit will aid the Stock Center and recipients of the strain.

Accession
number

SPECIES Neurospora crassa

MATING TYPE A

9545

GENOTYPE of Mutants ~~nit-2 Rip (N regulatory gene- encodes a GATA factor)~~
nit-3 Rip (nitrate reductase gene)
~~nmr- Rip (negative acting N-regulation)~~

YOUR STOCK NUMBER FOR THIS CULTURE _____

include stock no. from other collections

ORIGIN OF STOCK These are new Rip mutants - new alleles with a null phenotype - of mutants already represented in the FGSC. You may/may not want to add them. They are complete "knockout" alleles
There are many publications with regard to these genes.

These Rip mutants were obtained with the respective cloned gene using 74OR23 wild-type strain via the RIP procedure.

The nit-2 and nit-3 rip mutants cannot grow using nitrate as nitrogen source but grow well with ammonium (or glutamine). Nmr is derepressed for N enzymes and grows like wild-type except that it is sensitive to chlorate.

YOUR NAME George A. Marzluf

DATE 7-21-2004