

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 \_\_\_\_\_ 9549  
GENOTYPE nit-10  
DESIGNATION OF MUTANT ALLELE(S) Rip-40  
LINKAGE GROUP(S) V  
YOUR STOCK NUMBER FOR THIS CULTURE \_\_\_\_\_  
include stock no. from other collections  
ORIGIN OF STOCK Rip (with cloned nit-10+ gene) \_\_\_\_\_

for example - obtained from, genetic background, from cross with;  
or if collected from nature, collection point, substrate and  
collector.

PUBLISHED REFERENCES Biochemical Genetics 42: 21-34 (2004)

Nit-10+ encodes a nitrate transporter (permease) \_\_\_\_\_

IF UNPUBLISHED, please indicate strain of origin, mutagen, worker,  
genetic background, important characteristics \_\_\_\_\_

74OR23 wild -type used for Rip procedure. Rip mutant isolated by Dr.  
Fei Gao-Rubinelli

COMMENTS (special growth requirements, aberrations, heterokaryon  
compatibility, special uses of strain, etc.)

Grows on most media but cannot grow using a low concentration of  
nitrate as the sole nitrogen source. Unlike wild-type, the nit-10  
mutant cannot grow with 1 or 2 mM nitrate (but grows well if nitrate  
concentration is 20 mM).

YOUR NAME George A. Marzluf DATE 7-21-2004