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 9547

SPECIES Neurospora crassa MATING TYPE A

GENOTYPE cys-3 REV 65 ts

DESIGNATION OF MUTANT ALLELE(S) REV 65 ts

LINKAGE GROUP(S) II

YOUR STOCK NUMBER FOR THIS CULTURE 52
include stock no. from other collections

ORIGIN OF STOCK UV

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

PUBLISHED REFERENCES J. Molec. Biol. 33: 423-437 (1968); Molec. Cell. Biol. 9: 1120-1127 (1989).
Cys-3+ encodes a bZip regulatory protein that controls expression of many genes in the sulfur control circuit. Cys-3 Rev_65 is a temperature sensitive revertant of a cys-3 mutant (Amino acid substitutions in the DNA binding domain have been determined.

IF UNPUBLISHED, please indicate strain of origin, mutagen, worker, genetic background, important characteristics

The revertant was isolated by UV treatment of a cys-3 mutant, which yielded a temperature-sensitive strain that grows on minimal (sulfate) medium at 25o but not at 37o. Isolated by George Marzluf

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

Grows on most media at 25o, cannot use sulfate at 37o but grows if provided with methionine. 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