

Dept. of Microbiology
Univ. of Kansas Medical Center
Kansas City, KS 66160-7420

Accession
number

SPECIES Neurospora crassa

MATING TYPE A

8944

GENOTYPE nca-2-RIP-----

DESIGNATION OF MUTANT ALLELE(S) nca-2-RIP-5

LINKAGE GROUP(S) VII STRAIN DESIGNATION IF WILD-TYPE _____

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

ORIGIN OF STOCK Mutation generated by the RIP procedure, see below.

PUBLISHED REFERENCES Not Published

IF UNPUBLISHED, please indicate strain of origin, mutagen, worker,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

Done by Stephen Abreu in the lab of Barry Bowman

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

nca-2 encodes a P-type ATPase that is a putative calcium transporter in the vacuolar membrane (Benito, B., B. Garciadeblas, and A. Rodriguez-Navarro. 2000. Molecular cloning of the calcium and sodium ATPases in *Neurospora crassa*. *Mol. Microbiol.* 35 1079-1088.) We used the RIP procedure to mutate this gene. The sequence of the mutant gene indicates that this is likely a null allele. The mutation can be distinguished from the wild type by slow growth and slow formation of conidia.

YOUR NAME Barry Bowman DATE 5 Aug 2002