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

Accession number

SPECIES _Neurosspora crassa MATING TYPE _A_ 8945

GENOTYPE _*nca-2-RIP*_____

DESIGNATION OF MUTANT ALLELE(S) nca-2-RIP-7_____

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IF UNPUBLISHED, please indicate strain of origin, mutagen, worker, genetic background, important characteristics _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