

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

Accession  
number

SPECIES *Neurospora crassa*

MATING TYPE *A*

*8946*

GENOTYPE *nca-2-RIP*-----

DESIGNATION OF MUTANT ALLELE(S) *nca-2-RIP-11*-----

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IF UNPUBLISHED, please indicate strain of origin, mutagen, worker,  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