

Fungal Genetics Stock Center
Dept. of Microbiology
Univ. of Kansas Medical Center
Kansas City, KS 66103-7420

PLEASE PROVIDE COMPLETE INFORMATION

Reprints of other data relating to this deposit will aid the Stock Center and recipients of this strain.

Accession
number

SPECIES.....*Aspergillus niger*..... **A959**

GENOTYPE..... *cspA1*; (*acrA1*)** *brnA2*; *choA101*; *pdxA2*; **sftB103** (*se^r*)*

DESIGNATION OF

MUTANT ALLELES..... 1..... 1..... 2..... 101..... 2..... 103.....

LINKAGE GROUP(S) ..(III)..(I).... (I)....(III).....(VI).... (?).....

STRAIN DESIGNATION IF WILD-TYPE

YOUR STOCK NUMBER FOR THIS CULTURE..... **EK217**

include stock no. from other collections

ORIGIN OF STOCK.....DEO (diepoxy-octane) treatment of **EK133**.....

EK133: *cspA1*; (*acrA1*)* *brnA2*; *choA101*; *pdxA2* = haploid segregant from **2n (006)** [see FGSC# A956]

*(*se^r*=selenate resistant, and sulphite requiring).....

** *acrA1* is closely linked to *brnA2*, and crossovers were not encountered; (*acrA1*) means not retested. [see A954/5]

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

PUBLISHED REFERENCES.

Method and cloned *sC* gene, but not strains or mutagen, as described by Buxton et al., 1989, *Gene* **84**: 329-334.

Mutagenesis and selection described for *A. nidulans* by Chae and Kafer, 1997, *Mol. Gen. Genet.* **254**: 643-653
(for any information regarding this stock)

IF UNPUBLISHED, please indicate strain of origin, mutagen, worker,
genetic background, important characteristics.. Strain of origin for all strains: FGSC# A733.

A. niger and *A. nidulans* mutants were selected, using identical conditions (high selenate conc.: 0.35-2.0 mM);

The *sft-103* mutation was not "complemented" in transformations with the *A.nidulans sC* gene (-> **sftB??**).

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

Sulphite requiring mutants of *A. niger* do not show any of the thin mycelial growth on MM which in *A. nidulans* permits allelism tests on MM agar plates; in diploids, *sft-103* complemented *sftC101* and *sftC102* (A975 = EK219 and A958 = EK211) & being highly resistant to selenate, it likely is an *sB* mutation (->**sftB103**)
(use back of page if necessary)

YOUR NAMEEtta Kafer..... DATE March 20 1998.