

Fungal Genetics Stock Center  
Dept. of Microbiology  
Univ. of Kansas Medical Center  
Kansas City, KS 66103-7240

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.....**A978**...

GENOTYPE..... cspA1; (acrA1)\* brnA2; argH12; choA101; ntrB3; metB11; pdxA2; oliC2; cmB12.....

DESIGNATION OF

MUTANT ALLELES...1....1.... 2.... 12....101...1... 11.... 2.... 2.... 12.....

LINKAGE GROUP(S) . III... I....I.....II.....III... IV. .. V.... VI... VII... VIII.....

STRAIN DESIGNATION IF WILD-TYPE .....---

YOUR STOCK NUMBER FOR THIS CULTURE..... **EK138** .....

include stock no. from other collections

\* acrA1 is closely linked to brnA2, and crossovers were encountered very rarely; (acrA1) means not retested

ORIGIN OF STOCK. **EK138** from. 2n (**023**):. **EK106**= N907=FGSC# A942./ . **EK112** from diploid (**002**)...

.....**EK112** = cspA1; (I) (acrA1) brnA2; (III) choA101; (V) nicA1; (VI) pdxA2; (VIII) trpB2.....

.....2n (**002**): **EK040** = N837 = FGSC# A925 / **EK053** = FGSC# A954.....

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

PUBLISHED REFERENCES:None for above strain, a mitotic mapping strain with markers in all 8 linkage groups.

Review ref. for strains, mutants and mapping strains: Bos et al.(1993) Appl. Microbiol. Biotechnol. 38:742-745.

Basic reference for mapping by mitotic crossing over: Debets et al. (1993) Curr. Genet. 23: 47-53  
(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IF UNPUBLISHED, please indicate strain of origin, mutagen, worker, genetic background, important characteristics.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

Mutants, mapped by haploidization of heterozygous 2n, normally show no crossing over for linked markers in A. nidulans (Kafer,1958 &1977,Adv.Genet.9 &19); however, in A. niger, mitotic crossing over is more frequent.

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

As described by Debets et al. 1993 (see above, & 1990, Mol. Gen. Genet. 221: 453-458) in A. niger haploid crossover segregants vary from 0-5-20%, being especially frequent for genes on opposite chromosome arms.

This strain is a useful mapping strain, which grows well if a sufficiently high supplement of arginine is used.  
(use back of page if necessary)

YOUR NAME ....Etta Kafer..... DATE...March 20, 1998..