

Fungal Genetics Stock Center
Dept. of Microbiology
Univ. of Kansas Medical Center

Kansas City, KS 66103

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

Accession
number

SPECIES *Neurospora crassa*

MATING TYPE a

7925

GENOTYPE pmb aga a

DESIGNATION OF MUTANT ALLELE(S) DF101 UM906

LINKAGE GROUP(S) IV, VII

STRAIN DESIGNATION IF WILD TYPE N/A

YOUR STOCK NUMBER FOR THIS CULTURE IC2842-1a
include stock no. from other collections

ORIGIN OF STOCK UV mutagenesis of strain IC3 (carrying the aga mutation), followed by selection on 5 mM α -difluoromethylornithine. The strain has no requirement, and is resistant to the inhibitor. This strain is a product of outcrossing the original mutant.

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

PUBLISHED REFERENCES Davis, RH, P Lieu, JL Ristow (1994) *Neurospora* mutants affecting polyamine-dependent processes and basic amino acid transport mutants resistant to the polyamine inhibitor, α -difluoromethylornithine. *Genetics* 138:649-655. This publication defines the allelism of DF101 to the pmb (=bat) locus.

IF UNPUBLISHED, please indicate strain of origin, mutagen, worker, genetic background, important characteristics

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

DF101, like other pmb mutants, is partially deficient in basic amino acid transport and can be scored in the same way. Because α -difluoromethylornithine is not commercially available, it will be necessary to test with another basic amino acid analogue, e.g., thialysine.

YOUR NAME Rowland Davis DATE February 2, 1995