Fungal Genetics Stock Center
Cell Biology and Biophysics
School of Biological Sciences
5007 Rockhill Road
University of Missouri, Kansas City
Kansas City, MO 64110

PLEASE PROVIDE COMPLETE INFORMATION

Reprints 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 10006

STRAIN: GTH16 a

GENOTYPE: qa-2, arom-9, inv, al-2, multiple transforming copies of a plasmid containing the grg-1(ccg-1)/tyrosinase gene and the hygromycin resistance gene

LINKAGE GROUP(S)_____ STRAIN DESIGNATION IF WILD-TYPE _____

YOUR STOCK NUMBER FOR THIS CULTURE: GTH16 _____
include stock no. from other collections

ORIGIN OF STOCK: obtained from a transformation experiment in which a plasmid containing the hygomycin resistance marker and a chimeric grg-1/tyrosinase gene was used to transform RML57 (qa-2, arom-9, inv, al-2).

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

PUBLISHED REFERENCES The Isolation and Characterization of nrc-1 and nrc-2, two genes encoding protein kinases that control growth and development in Neurospora crassa. Kothe, G.O. and Free, S.J. Genetics 149:117-130. (1998) _____

RECOMMENDED CATALOG LISTING GTH16 _____

IF UNPUBLISHED, please indicate strain of origin, mutagen, worker, genetic background, important characteristics _____

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

This strain expresses tyrosinase, the only enzymatically required step in melanin biosynthesis, under the control of the developmentally regulated grg-1 promoter. The strain turns black whenever the asexual developmental program is expressed.

YOUR NAME Stephen J. Free, _____ DATE: Jan 18, 2006_____