Origin of Important Wild Type Stocks of N. crassa

R. W. Barratt

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Abstract
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**LA** x **La**  
(Lindegren +)  
(Lindegren -)  

**Abbott 4A** x **25 a** x **1 A**  
(Beadle & Tatum)  
(Beadle & Tatum)  

**E5256 A**  
(Emerson)  

**SY 7 A** x **SY 4 a**  
(Tatum & Barratt - Yale)  
(Emerson)  

**SY 4 f 8 a**  
Selected by backcrossing through F8.  

**25 a** x **SY7 A**  

**A** x **SYR(9-7) a** x **8960It inos**  
(Rockefeller Lab.)  

**SYR(17-3) A**  

**hetC,hetD inos**  
Gross, et al. induced mutants.
E 5256 A x E 5297 a (Emerson) x (Emerson)

A x a

ST 72 A x ST 73 a
(St. Lawrence) (St. Lawrence)

ST 74 A
(St. Lawrence)

STA 4
(Newmeyer)
Vegetative reisolate

Em A
(Catcheside)
Selected by intercrossing several generations.

Em a

ST 74 A x ST 73 a

ST 74 A
(St. Lawrence)

ST 79 A
(St. Lawrence)
Selected by backcrossing several generations.

3.1a
5.5 A
(Case and Giles)
3.1a het. compatible with 74A.

74-OR8-1 A x ST 74 A

74 OR8-1 A
(de Serres)
Selected by backcrossing through F_{10}. Het. compatible with 74A.

74A23-1 A
(de Serres)
Selected by backcrossing.
Low % white ascospores when crossed to OR8-1a.

Note:

V. Woodward, F. de Serres, N. Giles induced mutants in ST74A.

D. G. Catcheside induced mutants in E5297a and Ema.

M. Case and N. Giles induced mutants in 3.1a and 5.5A.

Please advise the author of any corrections or additions.

---Department of Biological Sciences, Dartmouth College, Hanover, New Hampshire.
Schematic Drawing of the Operational Procedure of the Fungal Genetics Stock Center

culture received
retransferr suspension in milk
lyophil tubes (10)
silica gel tube
request cultures (not retested)

viability test

one tube sent to Stanford for storage

viability test

phenotype tested auxanographically or using liquid test