

History of Strains Related to the Natural Death Mutant

Strain

History

1. wild-type, 74A8 (RL 1256A)

R.K. Littlewood inbred ST 74, 7 generations at Cornell. Acquired in 1970.

2. lys-1a (RL-1321)

Inbred two generations to 74A8

3. natural-death, het,  
FGSC no. 863

by RKL

Acquired from FGSC, fall 1972.

(pe; fl; pan-1) + (nd; al-2; lys-1)A

stored on slant at -20°

4. ibid

Acquired from FGSC, Jan. 1979.

stored on slant at -20°

5. nd; al-2a (F<sub>7</sub>)  
homokaryon

Derived after 7 serial crosses to 74A8, 1973-74 (KDM). maintained in heterokaryon or as ascospores at -20°. Mech Age. Dev. 5 (1976) 79-98.

6. natural-death, het.

maintained on slant at -20° KDM

(+; +; lys-1) + (nd; al-2 (F<sub>7</sub>))a

since 1973-74.

*numbers  
& Minsson*

closed:

3S, 4S and 6S

sub-cultured # 3, 4, & 6 at 35°. 3S and 4S grow at ca. 50% of wild-type rate. 6S grows normally.

in 6S, al-2 component is in excess.

nd; al-2 homo karyons could be isolated 6/79. K.D.M.

Appared to die more rapidly than original F<sub>7</sub> homo karyon.

Sub-cultures of 4S grew & conidiated better than original #4

3S, 4S, & 6S

sent 6/25/79

K. Friedman

W.N. Ogata