

Back crosses

lg. IV L

(510) M 79|A cys-10 (# 550)
(39816)

colu tested on thio sulfate (better than on met)

BC

April 76 I M 79|A (# 550) x 2|a⁺ (# 2490)

Total Germination
69/90
24/30

Allele ratio
m: +
21: 33 + (36 + control) MT
7: 17

May 76 II 300|a x 1|A⁺ FGSC #2489

26/30
119/150

14: 12
42: 62

67.7% Subtotal

Aug 76 III 361|a x 1|A⁺ (II.11) III: 30/30

79.3%

III: 16: 14

Oct. 76 E.P. IV (III.17) a x 1|A⁺

24/28

15: 9

V (IV.4) 417|a x 1|A⁺

18/30 → 72/88

11: 7

81.8% Subtotal

VI 453|A (V.8) x 2|a⁺ (# 2490) a⁺

Total 191/238 Germination: 80%

9: 19

51: 49 ← subtotal ~ 100%

cross 589 cys-10 x cot IV:V alloy → ~ 50% recombination
cross 587 x 1p-4 (M 452|a)

M 616|A (VI.8) (50⁺)
M 615|a (510.VI.11)

FGSC 4053
4054

Allele Ratio
Totals

93: 111 ~ 83.8% viability in ascospores
cys: +

improved by back-crossing