

Back crosses

618 I (Seattle Oct. 1978) A $\frac{mtr-1}{(DRS) 15}$ (sg. No. 243) x SL = #4200 $\frac{527|a + (6.2)}{+ (= BC VI of #2490)}$ No/Total ascospores Germination 15/24 Allele ratios mtr : + 22 : 26

Nov 78 618 II (618.18) A x $\frac{527|a +}{}$ (+ pregerminated 47) 25/40 Allele ratios 6 : 15 mtr : + 0 : 4 } germination not

shot 5 Ascii
 B, C 4 pale : 4 black → 0 : 4
 D 1 pale : 7 black → 3 : 4
 E 3 pale : 5 black → 1 : 3
 F 2 pale : 6 black → 2 : 4

Dec. 78 618 III M 1295 (618. II . D6) $\frac{mtr}{(618. II . E3) A}$ x M 1 | A + (= #2489) (not germinative - not mature enough) OK pregerminated } 23 → 8 : 15 on N

Jan 79 618 IV : (618. III . 9) $\frac{mtr}{(618. III . 9) A}$ x M 1 | A + " " → 7 : 18

March 79 618 V (618. IV . 4) $\frac{mtr}{(618. IV . 4) A}$ x $\frac{527|a +}{(6.2)}$ pregerminated on pfp his pfp anh pfp alone } min tested 20 → all mtr

Aug 1979 618 VI - 1425 A $\frac{1424|a}{mtr (v.7) (v.4)}$ x $\frac{527|a +}{}$ = #4200 29/70 7 : 13

Nov. 1979 618 VII (618. VI . 1) $\frac{mtr}{(618. VI . 1) A}$ x M 1 | A + (#2489) 5/42 1 : 4

March 80 618 VIII (618. VII . 3) A $\frac{mtr}{(618. VII . 3) A}$ x $\frac{527|a +}{"#4200}$ 46/60 18 : 28

FGSC # 4057 - $\frac{1623|A}{(VIII. 3)}$ } mtr-
 # 4058 - $\frac{1622|a}{(VIII. 6)}$ } 115 of DRS

Germination rate 120/236 ~ 50% [random shot ascospores various ages] Allele Rat. m : + 79 : 119 average 66%