

BC of $\frac{ro-7}{R 2470}$ $\frac{rip-1}{4M(t)}$

Cross // $\frac{M1681}{ro-7 rip-1} a$ \times $\frac{1}{+} A$ SL wild type (#2489)
 (686 I)

Germination $\frac{43}{80}$ (25°C) Allele ratio
 $ro: +$ $rip: +$
 $18:21$ $8:10$
 (4 less clear ro)
 several very poor (4)
 $ro: +$ $rip: +$
 $16:9$ $14:14$

686 II (868, I.3) a \times $\frac{1}{+} A$ (#2489) + ?
 ro-7 rip-1
 possibly not random sample (early wild types discarded?)
 growing

686 III (686, II.4) \times $\frac{1}{+} A$ (#2489) $\frac{70}{140}$ $\frac{24:42}{+4}$ $\frac{rip: +}{10}$
 ro-7 rip-1

686 IV M1836 (III.12) a \times $\frac{1}{+} A$ (#2489)
 ro-7 rip-1
 Germinated at 34° (not ideal)
 2 days - + + 29 $\frac{35:44}{poor=ro-7 19}$ $\frac{38:44}{+4}$
 3 days - + rip 15
 25°C ro rip 16
 5-6 d $\frac{78}{150}$

686 V (686, IV.7) A \times $\frac{527}{+}$ SL
 (#4200) SL
 6M BC of #2490a to #2489A
 Some v so
 100 -> final at 34°C -> 68/100
 34° 2 days + + 19
 ro-7 14 } $\frac{34:33}{3d + rip 14}$ $\frac{26:33}{ro(?) 6}$
 25° 25 -> ro rip 12 }
 34° 67/100

FGSC # 4024 = M $\frac{11898 A}{1897 a}$ $\left. \begin{matrix} ro-7 \\ R2470 \end{matrix} \right\}$

FGSC 4041 = M $\frac{1900 A}{1899 a}$ $\left. \begin{matrix} rip-1 \\ 4M(t) \end{matrix} \right\}$
 4042

Germinated 100 at 25° (same cross tube) $\frac{30:33}{63/100}$
 Combined $\frac{321}{570}$ $\frac{157:182}{86.3\%}$ $\frac{94:122}{77\%}$