

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

Cross # 3468 a

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

+ 74-OR23-1VA

686 II (868, I.3) a \times $\frac{1}{1} A$ (#2489)

ro-7 rip-1

686 III (686, II.4) a \times $\frac{1}{1} A$ (#2489)

ro-7 rip-1

686 IV M 1836 (III.12) a \times $\frac{1}{1} A$ (#2489)

ro-7 rip-1

686 V (686, IV.7) A \times $\frac{527}{+}$ SL

4200

6th BC of 2489A

of 2490a to 2489A

same as so

FGSC # 4024 = M 11898 A } ro-7

4024 = M 1897 a } R2470

FGSC 4041 = M 1900 A } rip-1

4042 = M 1899 a } 4M(t)

Germination		Allele ratio	
43/80 (25°C)	ro: +	rip: +	
	18:2†	8:10	
	4 less clear ro		
	several very poor (4)		
	ro: +	rip	
	16:9	14:11	
? possibly not random sam. (early wild types discarded growing)			
70/140	ro: +	rip: +	
	24:42	15:10	
	+4 poor		
Germinated at 34° (not ideal)			
2 days - + + 29	35:44	31:4	
1 poor - ro-7 19			
3 days - + rip 15			
↓ 25°C ro rip 15			
5-6 d 78/150			
100 → first at 34°C → 68/100			
2 days 34° + + 19	34:33	26:35	(+8 w...)
ro-7 14			
3d + rip 14			
ro (3?) 8			
↓ 25°C → ro rip 12			
→ 34° → 25° 67/100			
Germinated 100 at 25° (same cross tube)	30:33		
↓ 63/100 →			
Combined 321/570		157:182	94:12
56.3%		86%	77%