

Backcrosses

548

M 346 a

Lg. VI

rib-1

(FGSC #130)

(51 602(t¹))

		Germination No/Total	GCP + ribo	Allele Ratio	
Aug 76	548 I M 346 a × I A + rib-1 = FGSC 2489	28/30		17:11	} 39:27 sub total
Sept 76	548 II (I.12) a × M I A + rib-1	21/30	68/89	12:7	
Oct 76 EP	III (I.6) a × I A + rib-1	19/29		10:9	
Dec 76 EP	IV M 425 a × I A + rib-1	7/30	.1a .6A	4:3	} 24:28 sub total <u>no improvement</u>
Nov 77	V (V.2a) × I A + rib-1	19/30	52/90	9:10	
May 1977	(548) VI (VI.16) A × M 527 a + rib-1	26/30		11:15	
		120/209		63:55	
FGSC #	4101 618 A } 4102 617 a } rib-1				
	51 602(t)	57%			

Germination Rate

> 100% relative viability of rib-1 in ascospores
 ? dependent on media. if grown at >30°C?
 since ribo flavine is light sensitive?