

Zhimulev, I.F. and O.V. Ilyina. Institute of Cytology and Genetics, Novosibirsk, USSR. Localization and some characteristics of sbr in *D. melanogaster*.

sbr (1-33.4) shows "bristles small; one or more missing, particularly the postscutellars" (Linsley and Grell 1968). Penetrance strongly depends on the temperature (see table, Nos. 1-4). The results of crosses with the various duplication

No.	Genotype	Temperature °C	Flies tested	Without one or more postscutellars (%)
1.	sbr/sbr	18	984	94 (9.6)
2.	sbr/sbr	25	675	282 (42)
3.	sbr/sbr	25	685	269 (39.2)
4.	sbr/sbr	30	168	44 (26)
5.	sbr/Df(1)v ^{64f29}	25	145	132 (93)
6.	sbr/Df(1)v ^{L4}	25	136	135 (99)
7.	sbr/Df(1)v ^{L3}	25	998	1 (0.1)
8.	sbr/Df(1)v ^{L3}	25	226	0 (0.0)
9.	sbr/Dpv ⁺ Yy ⁺	25	940	10 (1.06)
10.	sbr/Dpv Yy ⁺	25	936	9 (0.96)
11.	sbr/Dpv Yy ⁺	25	274	0 (0.0)
12.	Batumi wild strain ♀♀ sbr ⁺	25	450	5 (1.1)

and deficiency chromosomes (Lefevre 1971) allow estimates of the cytological location of sbr (see table, Nos. 5-12) within the interval 9F5-6 - 9F8-11. Genetical position is between ras (1-32.35) and 1(1)Q54 (1-32.81) (map positions from Lefevre 1971).

In the haplo condition with the "allelic" deficiencies (64f29 and L4) the following peculiarities were found:

(1) Reduced viability: 205 FM-6/sbr and only 145 Df/sbr hatched from FM-6/

Df(1)64f29 x sbr males. Df/sbr heterozygotes hatched two days later. Haplo sbr females had normal fertility. (2) High frequency of postscutellars missing: more than 93% in haplo condition compared with 42% in the homozygotes. Moreover, about half of the heterozygotes had missed all four postscutellars.

References: Lefevre, G., Jr. 1971, Genetics 67:497-513.

TECHNICAL NOTES

Bélo, M. and P.M. Lacava. Universidade Estadual Paulista "Julio Mesquita Filho". Faculdade de Ciências Agrárias e Veterinárias, Jaboticabal, SP, Brasil. Box for testing nutritional preferences (yeasts) in *Drosophila*.

This box has been used for our studies in reference to nutritional preferences in *Drosophila* species, under controlled laboratory conditions. Figures 1 and 2 show the box, which is 96 cm wide, 97 cm long, and 38 cm high, built with glass and wood.

On the sides (1) there are sheets of styrofoam (2), measuring 12 x 70 x 4 cm. In each