Mather, W.B. & A.K. Pope. University of Queensland, Brisbane, Australia. Inversions from Phuket, Thailand. Second Report.

In February 1982 seven isolines of D.s. albostrigata and four isolines of D. albomicans were established from Phuket, Thailand.

Inversions in these species were last reported on from a collection made at the River Kwai region of Thailand (Mather & Balwin 1982, DIS 58:106).

Inversions from Phuket were first reported on from a collection made in Dec. 1975 (Mather & Thongmeearkom DIS 53:150; Mather & Thongmeearkom DIS 55:101).

(a) D.s.albostrigata: Six simple and one complex inversion were detected. All were first records from this locality but had previously been recorded elsewhere (Table 1).

(b) D.albomicans: Two simple and two complex inversions were detected. Of these L_3 had been recorded previously from Phuket. None were new inversions (Table 2).

The material was collected and the isolines established by W.B.M. The laboratory work was carried out by A.K.P.

Table 1. D.s.albostrigata.

Inversion	Chromosome	Simple	Complex
C_1	III	X	
F_3	III	X	
A_5	IIL	X	
C_5	IIR	X	
I_2	IIL	X	
N_5	III	X	
D_5	IIL		X

Table 2. D.albomicans.

Inversion	Chromosome	Simple	Complex
X_5	III		X
C_1	III	X	
E_6	III		X
L_3	III	X	

Mather, W.G. & A.K. Pope. University of Queensland, Brisbane, Australia. Inversions from Phuket, Thailand. Third Report.

In July 1982 thirty-seven isolines of D.s. albostrigata and two isolines of D.albomicans were established from Phuket, Thailand.

Inversions in these species were last reported on from a collection made at Phuket in February 1982 (Mather & Pope 59:-).

(a) D.s.albostrigata: Six simple and one complex inversion were detected as in February but this time a sample of thirty-seven allowed an estimate of heterozygosity frequency to be made (Table 1).

(b) D.albomicans: Three simple and one complex inversion were detected, all on chromosome III. Of these C_1 and E_6 had been recorded previously from Phuket. None were new inversions (Table 2).

The material was collected and the isolines established by W.B.M. The laboratory work was carried out by A.K.P.

Table 1. D.s.albostrigata, Phuket.

Inversion	Chromosome	Simple	Complex	Het.Freq.%
A_5	IIL	X		27.02
C_5	IIR	X		64.86
C_1	III	X		78.37
D_5	IIL		X	29.73
I_2	IIL	X		32.43
F_3	III	X		8.1
N_5	III	X		16.2

Table 2. D.albomicans, Phuket.

Inversion	Simple	Complex
C_1	X	
E_6		X
B_5	X	
N_5	X	