



Size: 1-2 mm – 20-25 mm

Color:



Distribution of the trait between males and females

1. Sex determination



190 bp
252 bp

Female ZW Male WW

Distribution of the trait between males and females

2. Populations



Female ZW

Male WW

Peterman Island

Sex	black	yellow spot
Female	85,71%	14,29%
Male	72,73%	27,27%
Total	77,36%	22,64%

Livingstone Island

Sex	black	yellow spot
Female	75,68%	24,32%
Male	73,08%	26,92%
Total	74,16%	25,84%

Frequency of the character

Phenotype	Petermann	Wiencke	Livingston	All
With yellow spot	44	41	31	116
Without yellow spot	157	73	126	356
Total	201	114	157	472
Frequency	22%	36%	20%	25%



Statistical significance of differences (exact Fisher's test)

Populations	One-tailed probability	Two-tailed probability
Petermann - Livingstone	0,09255	0,18510
Petermann - Wiencke	0,00290	0,00581
Livingstone - Wiencke	0,00137	0,00274

Dubrova, 2000 Sokal, Rohlf, 1995

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