

Appendix A from D. Punzalan et al., “Temporally Variable Multivariate Sexual Selection on Sexually Dimorphic Traits in a Wild Insect Population”
(Am. Nat., vol. 175, no. 4, p. 401)

Standard Errors Associated with Cross-Sectional Selection Gradients

Table A1

For samples taken in 2003 (reported in table 1)

		SE (γ)			
Sample, trait	SE (β)	PN	WT	DO	LA
Sample 1:					
PN	.109	.087			
WT	.100	.068	.084		
DO	.191	.126	.101	.285	
LA	.154	.093	.085	.239	.239
Sample 2:					
PN	.109	.089			
WT	.107	.069	.120		
DO	.147	.142	.103	.189	
LA	.138	.129	.105	.160	.088
Sample 3:					
PN	.128	.154			
WT	.113	.102	.129		
DO	.130	.080	.096	.146	
LA	.119	.085	.109	.103	.109
Sample 4:					
PN	.117	.137			
WT	.105	.077	.087		
DO	.119	.099	.089	.052	
LA	.105	.105	.082	.126	.103
Sample 5:					
PN	.139	.148			
WT	.122	.113	.124		
DO	.159	.129	.115	.145	
LA	.131	.132	.116	.144	.159
Sample 6:					
PN	.192	.218			
WT	.139	.163	.126		
DO	.193	.204	.144	.223	
LA	.168	.191	.123	.109	.226

Note: Standardized linear (β) and nonlinear (γ) selection gradients are measured for pronotum width (PN), weight (WT), and dorsal (DO) and lateral (LA) color patterns.

Table A2

For samples taken in 2004 (reported in table 2)

Sample, trait	SE (β)	SE (γ)			
		PN	WT	DO	LA
Sample 7:					
PN	.096	.082			
WT	.102	.073	.097		
DO	.149	.090	.120	.209	
LA	.122	.071	.090	.163	.159
Sample 8:					
PN	.072	.067			
WT	.081	.074	.040		
DO	.130	.081	.117	.128	
LA	.112	.062	.080	.113	.103
Sample 9:					
PN	.127	.161			
WT	.094	.113	.061		
DO	.133	.142	.229	.189	
LA	.103	.116	.245	.122	.085
Sample 10:					
PN	.167	.213			
WT	.177	.122	.228		
DO	.157	.101	.154	.180	
LA	.144	.114	.134	.109	.182

Note: Standardized linear (β) and nonlinear (γ) selection gradients are measured for pronotum width (PN), weight (WT), and dorsal (DO) and lateral (LA) color patterns.