

Supplementary data:

Thermal phenotypic plasticity of body size in *Drosophila melanogaster*: sexual dimorphism and genetic correlations

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J. Genet. **90**, 295–302

Table 1. Correlations between wing and thorax length at the within ($n = 420$) and between line level ($n = 30$).

Temperature °C	Within line			Between line		
	Female	Male	Mean	Female	Male	Mean
12	0.718 ± 0.037	0.685 ± 0.038	0.702 ± 0.026	0.792	0.793	0.792 ± 0.001
14	0.724 ± 0.030	0.722 ± 0.030	0.723 ± 0.021	0.776	0.751	0.764 ± 0.012
17	0.687 ± 0.033	0.642 ± 0.045	0.665 ± 0.028	0.726	0.721	0.723 ± 0.002
21	0.704 ± 0.066	0.696 ± 0.041	0.700 ± 0.038	0.694	0.765	0.729 ± 0.035
25	0.707 ± 0.034	0.769 ± 0.042	0.693 ± 0.027	0.775	0.749	0.752 ± 0.003
28	0.765 ± 0.026	0.710 ± 0.026	0.737 ± 0.019	0.789	0.742	0.766 ± 0.033
31	0.673 ± 0.048	0.797 ± 0.018	0.735 ± 0.026	0.651	0.774	0.713 ± 0.062
Mean	0.711 ± 0.159	0.705 ± 0.134	0.708 ± 0.010	0.740 ± 0.020	0.756 ± 0.008	0.748 ± 0.008

Table 2. Genetic parameters for the variability of SD (F/M ratio) among isofemale lines.

Temp °C	12	14	17	21	25	28	31	Mean	S.e.
ICC wing	0.151	0.176	0.127	0.249	0.233	0.250	0.282	0.210	0.022
ICC thorax	0.104	0.122	0.222	0.168	0.290	0.198	0.152	0.179	0.024
ICC W/T ratio	0.184	0.179	0.255	0.244	0.315	0.142	0.133	0.207	0.025
CVg wing	1.116	1.004	0.766	1.185	1.022	1.086	1.618	1.114	0.098
CVg thorax	0.921	0.822	0.957	0.887	1.201	1.085	1.351	1.032	0.072
CVg W/T ratio	0.908	0.735	0.901	0.838	0.916	0.564	1.017	0.840	0.056

ICC, intraclass correlation coefficient; CVg, genetic coefficient of variation (evolvability).