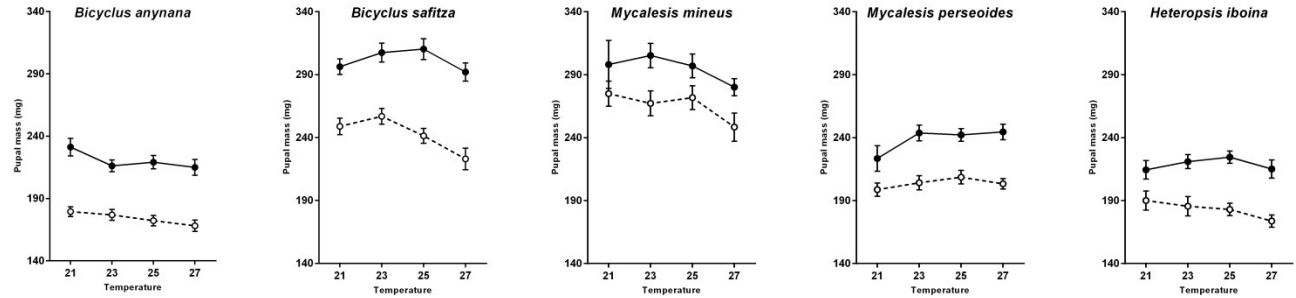


3E: Pupal mass

Effects of developmental temperature on pupal mass (mg) in *ANY*, *SAF*, *MIN*, *PER* and *IBO*. The mean value is plotted as a function of temperature and error bars represent 95% confidence intervals. Females and males are represented by the solid and dotted lines, respectively.

Minimum adequate models of the effect of developmental temperature and sex on the same trait. Statistical significance is indicated as: * P < 0.05, ** P < 0.01, *** P < 0.001.

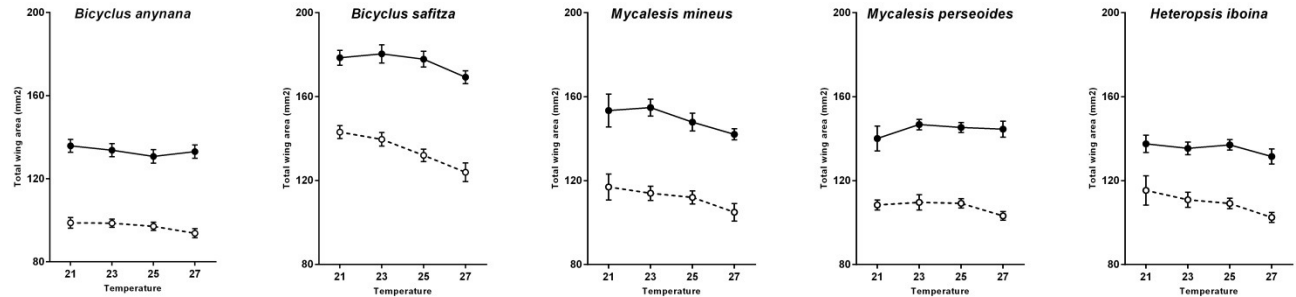


Trait	(transformation)	Fixed effects	F	df	df	P	F	df	df	P	F	df	df	P	F	df	df	P				
Pupal mass (mg)		Temperature	10.0	3	272	***	11.6	3	350	***	9.3	3	202	***	12.3	3	349	***	9.1	3	393	***
		Sex	653.8	1	272	***	536.3	1	350	***	72.8	1	202	***	293.7	1	349	***	271.0	1	393	***
		Temperature x Sex					5.4	3	350	**					3.0	3	349	*				

3F: Total wing area

Effects of developmental temperature on total wing area (mm²) in *ANY*, *SAF*, *MIN*, *PER* and *IBO*. The mean value is plotted as a function of temperature and error bars represent 95% confidence intervals. Females and males are represented by the solid and dotted lines, respectively.

Minimum adequate models of the effect of developmental temperature and sex on the same trait. Statistical significance is indicated as: * P < 0.05, ** P < 0.01, *** P < 0.001.

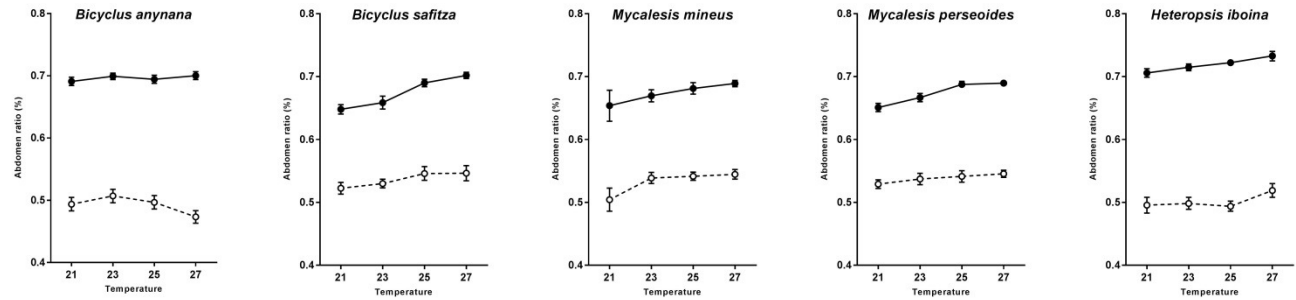


Trait	(transformation)	Fixed effects	F	df	df	P	F	df	df	P	F	df	df	P	F	df	df	P				
Total wing area (mm ²)		Temperature	3.5	3	272	*	22.7	3	350	***	9.2	3	200	***	12.5	3	353	***	21.1	3	393	***
		Sex	1431.8	1	272	***	1041.6	1	350	***	707.2	1	200	***	1155.7	1	353	***	482.0	1	393	***
		Temperature x Sex					3.7	3	350	*					3.2	3	353	*				

3I: Abdomen ratio

Effects of developmental temperature on the abdomen ratio (%) in *ANY*, *SAF*, *MIN*, *PER* and *IBO*. The mean value is plotted as a function of temperature and error bars represent 95% confidence intervals. Females and males are represented by the solid and dotted lines, respectively.

Minimum adequate models of the effect of developmental temperature and sex on the same trait. Statistical significance is indicated as: * P < 0.05, ** P < 0.01, *** P < 0.001.



Trait	(transformation)	Fixed effects	F	df	df	P	F	df	df	P	F	df	df	P	F	df	df	P				
Abdomen ratio (%)		Temperature	7.3	3	265	***	41.9	3	347	***	20.9	3	200	***	40.1	3	350	***	7.1	3	374	***
		Sex	4198.2	1	265	***	1915.8	1	347	***	1537.8	1	200	***	3286.6	1	350	***	6288.4	1	374	***
		Temperature x Sex	6.1	3	265	***	5.9	3	347	**					6.5	3	350	***				