Supplemental Material

Table S1. PcG target genes examined in this study.

Gene symbol	Gene name	Gene product
hh	*hedgehog*	morphogen, Hedgehog signaling pathway ligand
Glut3	*Glucose transporter type 3*	glucose transporter
twi	*twist*	helix-loop-helix transcription factor
HGTX	*HGTX*	homeodomain transcription factor
svp	*seven up*	transcription factor, nuclear receptor
Prat2	*Phosphoribosylamidotransferase 2*	type-2 gluatmine amidotransferase
Appl	*β amyloid protein precursor-like*	transmembrane protein, amyloidogenic glycoprotein
ninaC	*neither inactivation nor afterpotential C*	class III myosin
gl	*glass*	zinc finger transcription factor
lbl	*ladybird late*	homeodomain transcription factor

Information about genes was retrieved from Flybase Release 6 (Larkin *et al.* 2021)

Table S2. Effects of PcG regulation, temperature and origin on stage/sex-specific and tissue-specific gene expression.

Stage-/sex-specific expression				Tissue-specific expression			
Fixed effects	X^2	df	*P*	Fixed effects	X^2	df	*P*
(intercept)	0.87	1	0.3517	(intercept)	0.39	1	0.5342
temperature	0.83	1	0.3633	temperature	1.84	1	0.1745
population	0.50	2	0.7801	population	0.30	2	0.8589
stage/sex	2.46	2	0.2924	tissue	0.27	2	0.8738
target	0.14	1	0.7108	target	9.44	1	0.0021**
temperature × population	0.56	2	0.7555	temperature × population	0.51	2	0.7730
temperature × stage/sex	0.25	2	0.8814	temperature × tissue	0.81	2	0.6658
population × stage/sex	1.02	4	0.9064	population × tissue	2.30	4	0.6799
temperature × target	11.98	1	0.0005***	temperature × target	2.20	1	0.1377
population × target	0.35	2	0.8410	population × target	1.12	2	0.5709
stage/sex × target	41.71	2	0.0000***	tissue × target	55.91	2	0.0000***
temperature × stage/sex × target	7.96	2	0.0187*	temperature × tissue × target	7.92	2	0.0190*
Random effect	SD			Random effect	SD		
gene	0.000			gene	0.197		
residual	1.452			residual	1.082		

Type III Wald Chi-square tests were used to estimate significance of fixed effects. Rearing temperature, population, target (PcG targets and nontarget controls), stage/sex or tissue type, and their interactions were treated as fixed effects, and gene as a random effect.
*** P < 0.001, ** P < 0.01, * P < 0.05

Table S3. Effects of temperature and origin on stage/sex-specific and tissue-specific PcG target gene expression.

Stage-/sex-specific expression				Tissue-specific expression			
Fixed effects	X^2	df	*P*	Fixed effects	X^2	df	*P*
(intercept)	0.71	1	0.3981	(intercept)	9.84	1	0.0017**
temperature	21.81	1	0.0000***	temperature	0.33	1	0.5659
population	0.87	2	0.6489	population	1.69	2	0.4306
stage/sex	98.82	2	0.0000***	tissue	68.65	2	0.0000***
temperature × stage/sex	20.21	2	0.0000***	temperature × tissue	10.40	2	0.0055**
Random effect	SD			Random effect	SD		
gene	0.000			gene	0.511		
residual	1.646			residual	1.272		

Type III Wald Chi-square tests were used to estimate significance of fixed effects. Rearing temperature, population, stage/sex or tissue type, and their interactions were treated as fixed effects, and gene as a random effect.
*** P < 0.001, ** P < 0.01, * P < 0.05

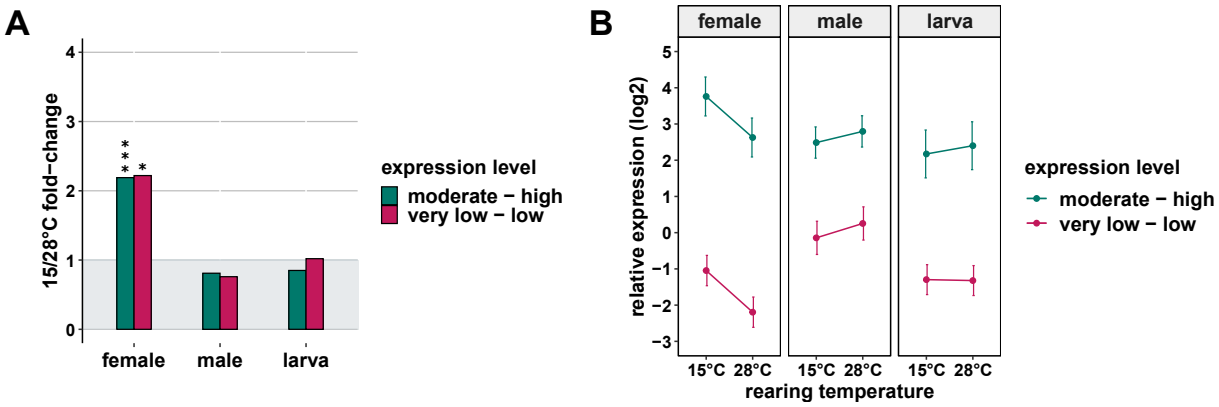

Figure S1. Effect of rearing temperature on PcG target gene expression for low and high expression levels. Variation in expression was analyzed using mixed linear models. Model-based means across PcG target genes are shown. (A) Fold-change in expression between 15°C and 28°C and (B) mean (±SE) expression at 15°C and 28°C of lowly and highly expressed PcG target genes. Significance levels were derived from post-hoc analyses using Tukey HSD tests (*** P < 0.001, * P < 0.05).

Table S4. Effects of expression levels, temperature, origin and stage/sex on PcG target gene expression.

Fixed effects	X^2	df	*P*
(intercept)	59.04	1	0.0000***
temperature	31.98	1	0.0000***
population	1.27	2	0.5305
stage/sex	19.23	2	0.0000***
expression	204.55	1	0.0000***
temperature × stage/sex	29.63	2	0.0000***
stage/sex × expression	36.40	2	0.0000***
Random effect	SD		
gene	1.138		
residual	1.359		

Type III Wald Chi-square tests were used to estimate significance of fixed effects. Rearing temperature, population, stage/sex and expression level (very low/low and moderate/high) and their interactions were treated as fixed effects, and gene as a random effect.
*** P < 0.001, ** P < 0.01, * P < 0.05

Table S5. Analyses of variance on the effects of rearing temperature and population on sex/stage-specific PcG target gene expression.

	female				male				larva			
hh												
	SS	df	F	P	SS	df	F	P	SS	df	F	P
(intercept)	3.37	1	23.88	0.0004***	0.07	1	5.96	0.0311*	5.77	1	110.3	0.0000***
temperature	0.56	1	4.00	0.0687#	0.36	1	31.38	0.0001***	0.05	1	1.00	0.3372
population	0.03	2	0.12	0.8874	0.26	2	11.55	0.0016**	0.21	2	2.03	0.1737
temperature × population	0.01	2	0.02	0.9793	0.12	2	5.21	0.0235*	0.22	2	2.09	0.1663
residuals	1.69	12			0.14	12			0.63	12		
Glut3												
	SS	df	F	P	SS	df	F	P	SS	df	F	P
(intercept)	49.13	1	162.4	0.0000***	43.70	1	979.0	0.0000***	4.34	1	14.44	0.0025**
temperature	0.66	1	2.18	0.1654	0.03	1	0.63	0.4436	1.06	1	3.52	0.0852#
population	11.34	2	18.74	0.0002***	0.41	2	4.60	0.0329*	0.31	2	0.52	0.6073
temperature × population	3.00	2	4.96	0.0269*	0.35	2	3.95	0.0482*	0.05	2	0.08	0.9242
residuals	3.63	12			0.54	12			3.61	12		
twi												
	SS	df	F	P	SS	df	F	P	SS	df	F	P
(intercept)	2.96	1	94.91	0.0000***	0.09	1	1.61	0.2287	0.06	1	1.76	0.2091
temperature	2.37	1	75.95	0.0000***	9.00	1	154.7	0.0000***	0.04	1	1.10	0.3143
population	0.38	2	6.16	0.0144*	1.01	2	8.65	0.0047**	0.02	2	0.29	0.7541
temperature × population	0.58	2	9.30	0.0036**	0.44	2	3.79	0.0529#	0.04	2	0.56	0.5833
residuals	0.37	12			0.70	12			0.40	12		
HGTX												
	SS	df	F	P	SS	df	F	P	SS	df	F	P
(intercept)	6.63	1	36.08	0.0000***	5.71	1	80.08	0.0000***	0.33	1	2.19	0.1647
temperature	1.08	1	5.90	0.0318*	4.65	1	65.13	0.0000***	1.04	1	6.98	0.0215*
population	1.71	2	4.64	0.0321*	0.89	2	6.26	0.0137*	0.37	2	1.23	0.3260
temperature × population	0.64	2	1.73	0.2191	0.31	2	2.20	0.1537	0.30	2	1.01	0.3917
residuals	2.21	12			0.86	12			1.79	12		
svp												
	SS	df	F	P	SS	df	F	P	SS	df	F	P
(intercept)	1.75	1	54.26	0.0000***	2.80	1	83.17	0.0000***	1.08	1	21.00	0.0000***
temperature	1.63	1	50.68	0.0000***	0.02	1	0.64	0.4390	0.67	1	13.09	0.0035**
population	0.69	2	10.67	0.0022**	0.16	2	2.37	0.1357	0.16	2	1.57	0.2477
temperature × population	0.34	2	5.27	0.0227*	0.19	2	2.80	0.1007	0.27	2	2.63	0.1127
residuals	0.39	12			0.40	12			0.62	12		
Prat2												
	SS	df	F	P	SS	df	F	P	SS	df	F	P
(intercept)	0.17	1	1.03	0.3301	0.24	1	1.46	0.2496	1.84	1	12.94	0.0037**
temperature	1.06	1	6.31	0.0273*	0.52	1	3.25	0.0966#	0.11	1	0.75	0.4035
population	0.82	2	2.45	0.1285	1.60	2	4.99	0.0265*	0.78	2	2.75	0.1043
temperature × population	0.09	2	0.26	0.7724	0.001	2	0.01	0.9946	0.01	2	0.02	0.9817
residuals	2.01	12			1.93	12			1.71	12		
Appl												
	SS	df	F	P	SS	df	F	P	SS	df	F	P
(intercept)	3.00	1	51.13	0.0000***	7.39	1	481.6	0.0000***	9.15	1	117.8	0.0000***
temperature	2.80	1	47.75	0.0000***	0.01	1	0.43	0.5224	0.31	1	3.97	0.0696#
population	0.27	2	2.26	0.1464	0.18	2	5.88	0.0166*	0.08	2	0.53	0.5995
temperature × population	0.14	2	1.19	0.3380	0.28	2	8.99	0.0041**	0.26	2	1.70	0.2242
residuals	0.70	12			0.18	12		0.93		12		
nina C												
	SS	df	F	P	SS	df	F	P	SS	df	F	P
(intercept)	34.61	1	840.9	0.0000***	39.75	1	1229.1	0.0000***	90.53	1	346.6	0.0000***
temperature	4.25	1	103.3	0.0000***	0.001	1	0.02	0.8764	2.41	1	9.21	0.0103*
population	1.20	2	14.58	0.0006***	1.09	2	16.84	0.0003***	0.66	2	1.27	0.3161
temperature × population	0.32	2	3.91	0.0493*	0.54	2	8.32	0.0054**	0.52	2	1.00	0.3969
residuals	0.49	12			0.39	12			3.13	12		

Table S5. Continued

gl												
	SS	df	F	P	SS	df	F	P	SS	df	F	P
(intercept)	0.49	1	6.37	0.0267*	3.52	1	88.62	0.0000***	1.18	1	13.37	0.0033**
temperature	4.08	1	53.29	0.0000***	0.001	1	0.02	0.9042	0.58	1	6.61	0.0245*
population	1.40	2	9.12	0.0039**	0.85	2	10.69	0.0022**	0.26	2	1.50	0.2631
temperature × population	0.48	2	3.13	0.0805#	0.30	2	3.76	0.0540#	0.22	2	1.26	0.3193
residuals	0.92	12			0.48	12			1.06	12		
lbl												
	SS	df	F	P	SS	df	F	P	SS	df	F	P
(intercept)	0.12	1	1.67	0.2212	2.82	1	60.96	0.0000***	1.95	1	67.22	0.0000***
temperature	3.79	1	50.92	0.0000***	0.13	1	2.79	0.1209	1.26	1	43.40	0.0000***
population	0.45	2	3.03	0.0860#	0.06	2	0.68	0.5266	0.16	2	2.74	0.1050
temperature × population	0.29	2	1.93	0.1869	0.09	2	1.01	0.3932	0.33	2	5.67	0.0185*
residuals	0.89	12			0.56	12			0.35	12		

*** P < 0.001, ** P < 0.01, * P < 0.05, # P < 0.1

Table S6. Analyses of variance on the effects of rearing temperature and population on tissue-specific PcG target gene expression.

	ovary				testis				midgut			
hh												
	SS	df	F	P	SS	df	F	P	SS	df	F	P
(intercept)	42.87	1	369.6	0.0000***	5.80	1	178.7	0.0000***	16.33	1	154.8	0.0000***
temperature	0.51	1	4.35	0.0590#	0.09	1	2.74	0.1239	0.31	1	2.92	0.1182
population	0.46	2	1.97	0.1821	0.74	2	11.36	0.0017**	1.50	2	7.11	0.0120*
temperature × population	0.22	2	0.93	0.4211	0.34	2	5.17	0.0241*	0.29	2	1.39	0.2928
residuals	1.39	12			0.39	12			1.06	10		
Glut3												
	SS	df	F	P	SS	df	F	P	SS	df	F	P
(intercept)	-	-	-	-	0.23	1	7.97	0.0154*	-	-	-	-
temperature	-	-	-	-	0.38	1	13.01	0.0036**	-	-	-	-
population	-	-	-	-	0.14	2	2.50	0.1240	-	-	-	-
temperature × population	-	-	-	-	0.18	2	3.09	0.0826#	-	-	-	-
residuals	-	-	-	-	0.35	12			-	-	-	-
twi												
	SS	df	F	P	SS	df	F	P	SS	df	F	P
(intercept)	-	-	-	-	11.17	1	202.8	0.0000***	-	-	-	-
temperature	-	-	-	-	15.07	1	273.6	0.0000***	-	-	-	-
population	-	-	-	-	2.08	2	18.86	0.0002***	-	-	-	-
temperature × population	-	-	-	-	1.93	2	17.49	0.0003***	-	-	-	-
residuals	-	-	-	-	0.66	12			-	-	-	-
HGTX												
	SS	df	F	P	SS	df	F	P	SS	df	F	P
(intercept)	-	-	-	-	2.07	1	25.24	0.0003***	2.80	1	31.13	0.0002***
temperature	-	-	-	-	4.72	1	57.62	0.0000***	0.21	1	2.32	0.1586
population	-	-	-	-	6.36	2	38.83	0.0000***	0.39	2	2.17	0.1644
temperature × population	-	-	-	-	0.19	2	1.16	0.3459	0.01	2	0.08	0.9257
residuals	-	-	-	-	0.98	12			0.90	10		
svp												
	SS	df	F	P	SS	df	F	P	SS	df	F	P
(intercept)	1.18	1	4.34	0.0593#	5.33	1	107.8	0.0000***	-	-	-	-
temperature	0.10	1	0.35	0.5626	2.44	1	49.42	0.0000***	-	-	-	-
population	2.58	2	4.75	0.0302*	0.68	2	6.85	0.0104*	-	-	-	-
temperature × population	3.55	2	6.54	0.0120*	0.84	2	8.52	0.0050**	-	-	-	-
residuals	3.26	12			0.59	12			-	-	-	-
Prat2												
	SS	df	F	P	SS	df	F	P	SS	df	F	P
(intercept)	2.10	1	4.17	0.0638#	3.22	1	38.75	0.0000***	-	-	-	-
temperature	1.53	1	3.04	0.1069	0.51	1	6.13	0.0291*	-	-	-	-
population	4.83	2	4.79	0.0296*	1.24	2	7.46	0.0078**	-	-	-	-
temperature × population	1.89	2	1.88	0.1952	0.33	2	1.98	0.1809	-	-	-	-
residuals	6.05	12			1.00	12			-	-	-	-
Appl												
	SS	df	F	P	SS	df	F	P	SS	df	F	P
(intercept)	0.001	1	0.01	0.9158	0.96	1	19.07	0.0009***	11.14	1	288.9	0.0000***
temperature	1.19	1	16.63	0.0015**	0.15	1	2.92	0.1134	0.41	1	10.66	0.0085**
population	0.07	2	0.49	0.6222	0.28	2	2.73	0.1056	0.11	2	1.43	0.2844
temperature × population	0.65	2	4.57	0.0334*	0.01	2	0.11	0.8939	0.22	2	2.80	0.1079
residuals	0.86	12			0.61	12			0.39	10		
nina C												
	SS	df	F	P	SS	df	F	P	SS	df	F	P
(intercept)	-	-	-	-	0.44	1	2.88	0.1156	-	-	-	-
temperature	-	-	-	-	4.23	1	27.63	0.0002***	-	-	-	-
population	-	-	-	-	1.74	2	5.67	0.0185*	-	-	-	-
temperature × population	-	-	-	-	2.54	2	8.28	0.0055**	-	-	-	-
residuals	-	-	-	-	1.84	12			-	-	-	-

Table S6. Continued

lbl												
	SS	df	F	P	SS	df	F	P	SS	df	F	P
(intercept)	-	-	-	-	0.48	1	7.83	0.0161*	-	-	-	-
temperature	-	-	-	-	0.76	1	12.33	0.0043**	-	-	-	-
population	-	-	-	-	0.06	2	0.49	0.6247	-	-	-	-
temperature × population	-	-	-	-	0.01	2	0.11	0.8992	-	-	-	-
residuals	-	-	-	-	0.74	12			-	-	-	-

*** P < 0.001, ** P < 0.01, * P < 0.05, # P < 0.1

hh

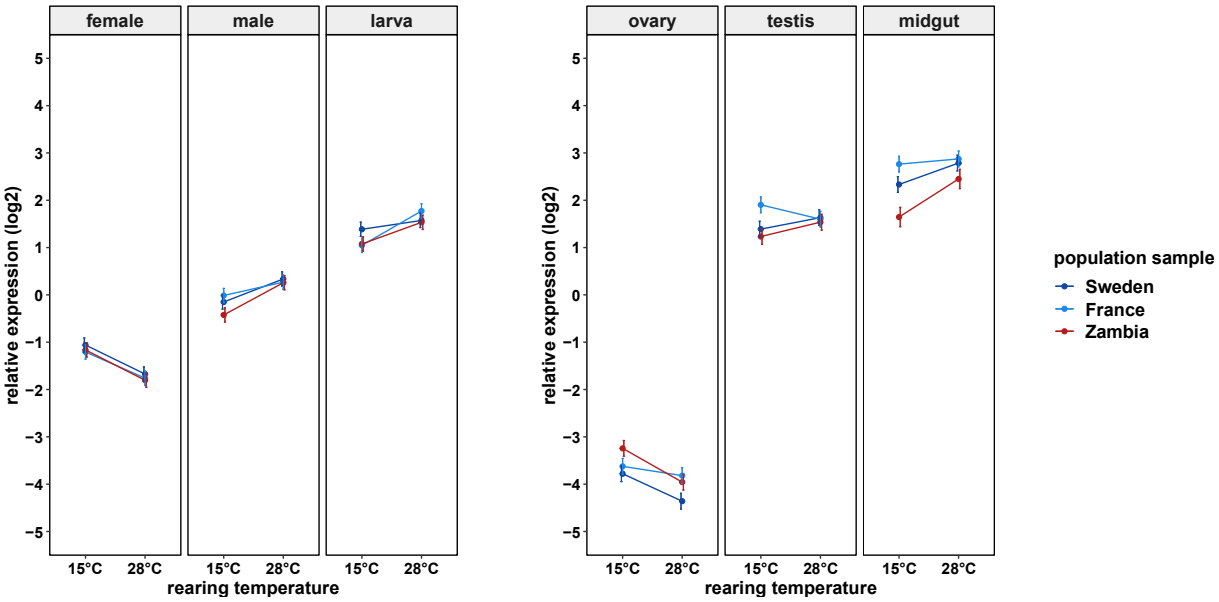

Figure S2. Mean (±SE) expression of *hh* in different stages/sexes and tissues at two different rearing temperatures.

Table S7. Post hoc analysis of *hh* expression

between rearing temperatures:		15°C/28°C (log2)					
		female	male	larva	ovary	testis	midgut
Sweden		0.61	-0.49	-0.18	0.58	-0.24	-0.45
France		0.55	-0.28	-0.73	0.19	0.30	-0.11
Zambia		0.64	-0.68	-0.46	0.71	-0.30	-0.81
between population samples:							
		Sweden/Zambia (log2)		France/Zambia (log2)		Sweden/France (log2)	
female	15°C	0.10		0.04		0.14	
	28°C	0.13		0.04		0.09	
male	15°C	0.27		0.41		-0.14	
	28°C	0.08		0.01		0.06	
larva	15°C	0.31		-0.03		0.34	
	28°C	0.04		0.24		-0.20	
ovary	15°C	-0.54		-0.38		-0.16	
	28°C	-0.40		0.14		-0.54	
testis	15°C	0.15		0.67		-0.51	
	28°C	0.09		0.06		0.03	
midgut	15°C	0.69		1.12*		-0.43	
	28°C	0.33		0.42		0.09	

Tukey HSD tests: *** P < 0.001, ** P < 0.01, * P < 0.05

Glut3

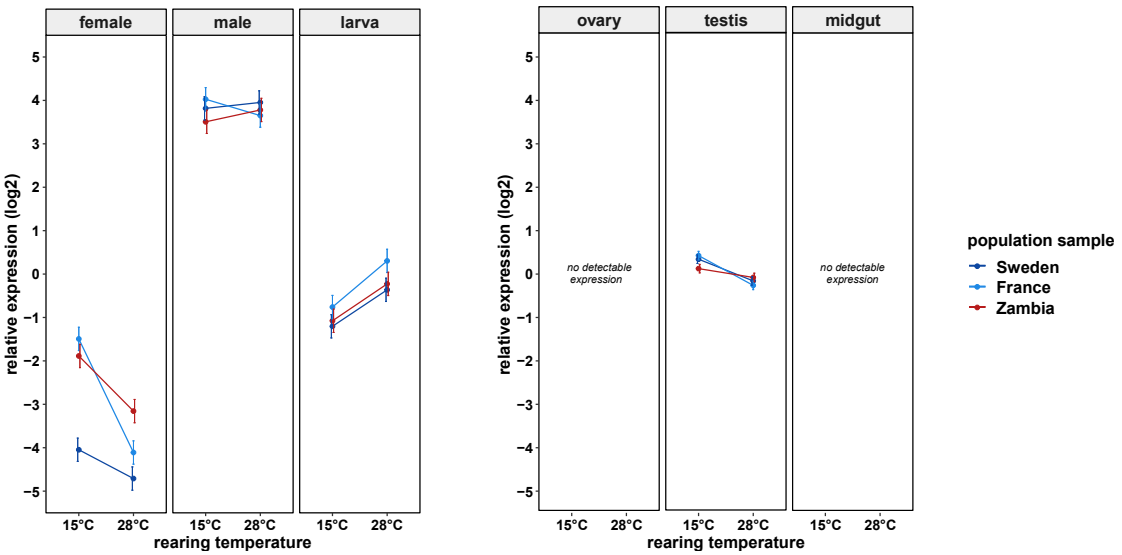

Figure S3. Mean (±SE) expression of *Glut3* in different stages/sexes and tissues at two different rearing temperatures.

Table S8. Post hoc analysis of *Glut3* expression

between rearing temperatures:		15°C/28°C (log2)					
		female	male	larva	ovary	testis	midgut
Sweden		0.66	-0.14	-0.84	-	0.50*	-
France		2.62***	0.38	-1.06	-	0.69**	-
Zambia		1.27***	-0.27	-0.85	-	0.20	-
between population samples:							
		Sweden/Zambia (log2)		France/Zambia (log2)		Sweden/France (log2)	
female	15°C	-2.16***		0.39		-2.55***	
	28°C	-1.55*		-0.95		-0.60	
male	15°C	0.31		0.52		-0.21	
	28°C	0.17		-0.13		0.30	
larva	15°C	-0.13		0.31		-0.44	
	28°C	-0.14		0.53		-0.66	
ovary	15°C	-		-		-	
	28°C	-		-		-	
testis	15°C	0.21		0.30		-0.08	
	28°C	-0.08		-0.18		0.10	
midgut	15°C	-		-		-	
	28°C	-		-		-	

Tukey HSD tests: *** P < 0.001, ** P < 0.01, * P < 0.05

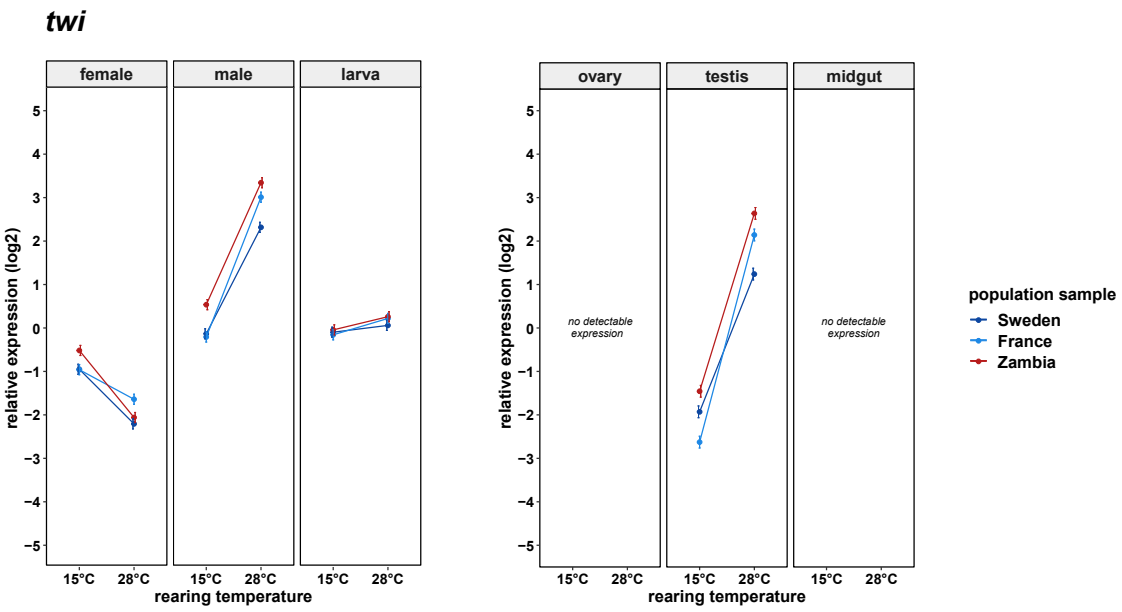

Figure S4. Mean (±SE) expression of *twi* in different stages/sexes and tissues at two different rearing temperatures.

Table S9. Post hoc analysis of *twi* expression

between rearing temperatures:		15°C/28°C (log2)					
		female	male	larva	ovary	testis	midgut
Sweden		1.25***	-2.45***	-0.16	-	-3.17***	-
France		0.68*	-3.22**	-0.37	-	-4.77***	-
Zambia		1.54***	-2.80**	-0.30	-	-4.09***	-
between population samples:							
		Sweden/Zambia (log2)		France/Zambia (log2)		Sweden/France (log2)	
female	15°C	-0.43		-0.44		0.01	
	28°C	-0.14		0.42		-0.57	
male	15°C	-0.67*		-0.74**		0.07	
	28°C	-1.03***		-0.33		-0.69*	
larva	15°C	-0.05		-0.11		0.06	
	28°C	-0.20		-0.04		-0.16	
ovary	15°C	-		-		-	
	28°C	-		-		-	
testis	15°C	-0.47		-1.17***		0.69*	
	28°C	-1.40***		-0.50		-0.90**	
midgut	15°C	-		-		-	
	28°C	-		-		-	

Tukey HSD tests: *** P < 0.001, ** P < 0.01, * P < 0.05

HGTX

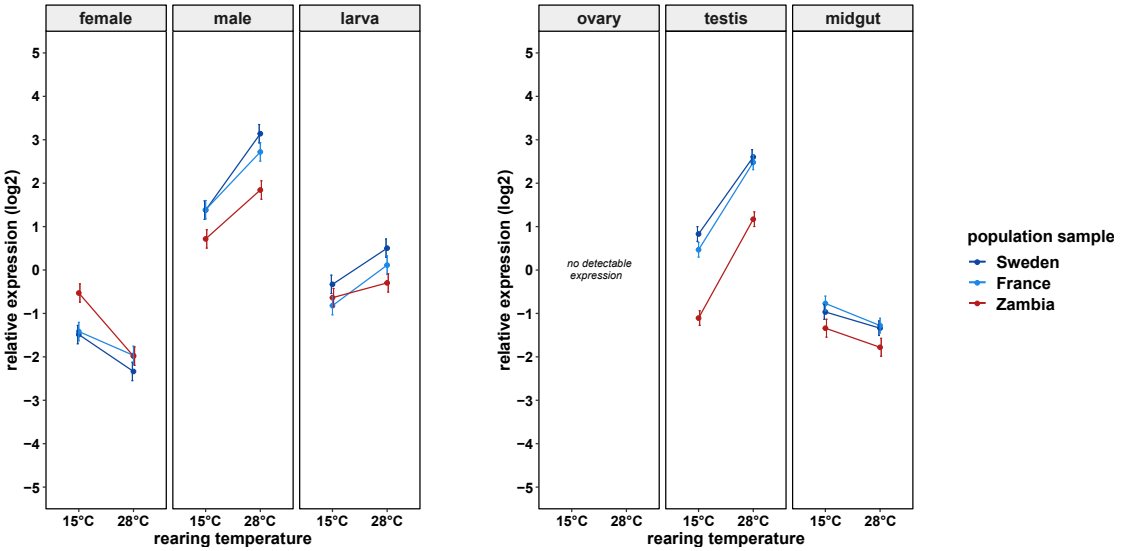

Figure S5. Mean (±SE) expression of *HGTX* in different stages/sexes and tissues at two different rearing temperatures.

Table S10. Post hoc analysis of *HGTX* expression

between rearing temperatures:		15°C/28°C (log2)					
		female	male	larva	ovary	testis	midgut
Sweden		0.85	-1.76***	-0.83	-	-1.77***	0.37
France		0.55	-1.33**	-0.93	-	-2.01***	0.51
Zambia		1.45**	-1.12*	-0.34	-	-2.27***	0.44
between population samples:							
		Sweden/Zambia (log2)		France/Zambia (log2)		Sweden/France (log2)	
female	15°C	-0.96		-0.89		-0.07	
	28°C	-0.35		-0.01		-0.37	
male	15°C	0.66		0.67		-0.01	
	28°C	1.30*		0.87		0.42	
larva	15°C	0.31		-0.18		0.49	
	28°C	0.80		0.41		0.39	
ovary	15°C	-		-		-	
	28°C	-		-		-	
testis	15°C	1.94***		1.57***		0.36	
	28°C	1.43***		1.31***		0.12	
midgut	15°C	0.37		0.57		-0.20	
	28°C	0.44		0.50		-0.06	

Tukey HSD tests: *** P < 0.001, ** P < 0.01, * P < 0.05

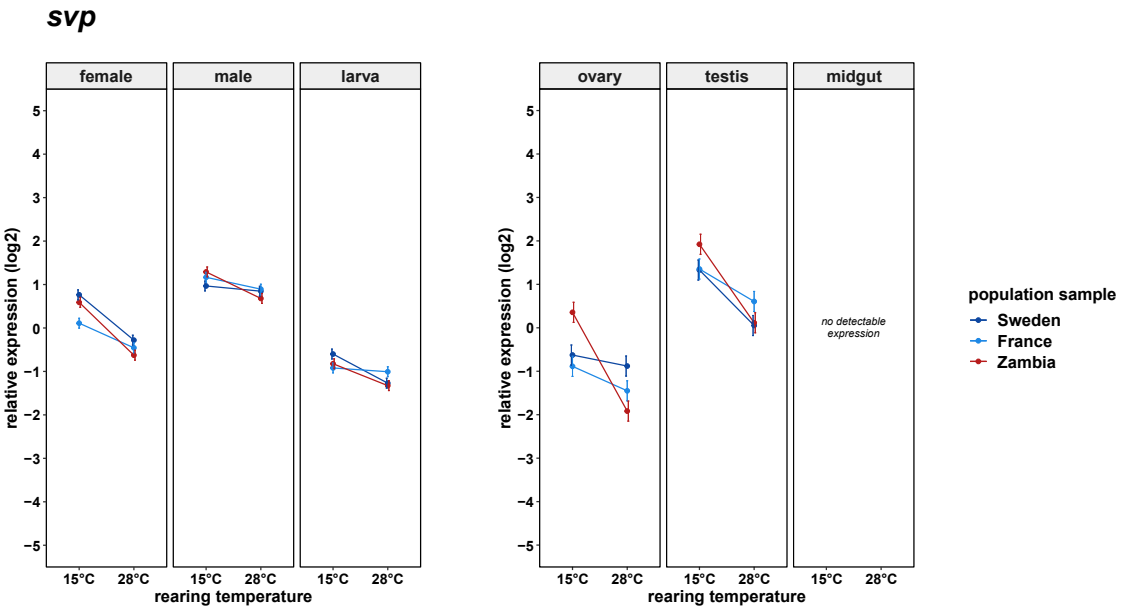

Figure S6. Mean (±SE) expression of *svp* in different stages/sexes and tissues at two different rearing temperatures.

Table S11. Post hoc analysis of *svp* expression

between rearing temperatures:		15°C/28°C (log2)					
		female	male	larva	ovary	testis	midgut
Sweden		1.04***	0.12	0.67*	0.25	1.27*	-
France		0.57	0.27	0.09	0.56	0.75	-
Zambia		1.21***	0.61*	0.50	2.27***	1.81***	-
between population samples:							
		Sweden/Zambia (log2)		France/Zambia (log2)		Sweden/France (log2)	
female	15°C	0.17		-0.48		0.65*	
	28°C	0.34		0.17		0.18	
male	15°C	-0.32		-0.12		-0.20	
	28°C	0.17		0.21		-0.05	
larva	15°C	0.22		-0.09		0.32	
	28°C	0.05		0.32		-0.26	
ovary	15°C	-0.98		-1.24*		0.26	
	28°C	1.04		0.46		0.57	
testis	15°C	-0.59		-0.57		-0.02	
	28°C	-0.06		0.49		-0.55	
midgut	15°C	-		-		-	
	28°C	-		-		-	

Tukey HSD tests: *** P < 0.001, ** P < 0.01, * P < 0.05

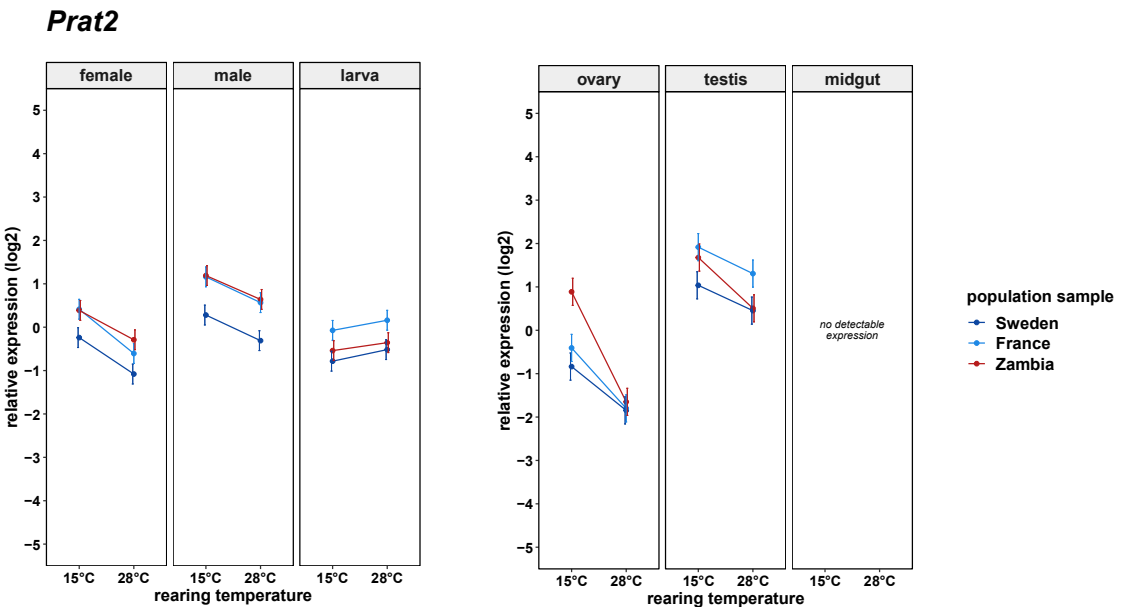

Figure S7. Mean (±SE) expression of *Prat2* in different stages/sexes and tissues at two different rearing temperatures.

Table S12. Post hoc analysis of *Prat2* expression

between rearing temperatures:		15°C/28°C (log2)					
		female	male	larva	ovary	testis	midgut
Sweden		0.84	0.59	-0.26	1.01	0.58	-
France		1.02	0.59	-0.23	1.39	0.61	-
Zambia		0.67	0.55	-0.18	2.54***	1.17	-
between population samples:							
		Sweden/Zambia (log2)		France/Zambia (log2)		Sweden/France (log2)	
female	15°C	-0.63		0.03		-0.65	
	28°C	-0.79		-0.32		-0.47	
male	15°C	-0.91		-0.03		-0.88	
	28°C	-0.95		-0.07		-0.88	
larva	15°C	-0.24		0.46		-0.71	
	28°C	-0.16		0.51		-0.68	
ovary	15°C	-1.72*		-2.69***		-0.43	
	28°C	-0.20		-0.15		-0.05	
testis	15°C	-0.64		0.24		-0.88	
	28°C	-0.05		0.80		-0.85	
midgut	15°C	-		-		-	
	28°C	-		-		-	

Tukey HSD tests: *** P < 0.001, ** P < 0.01, * P < 0.05

Appl

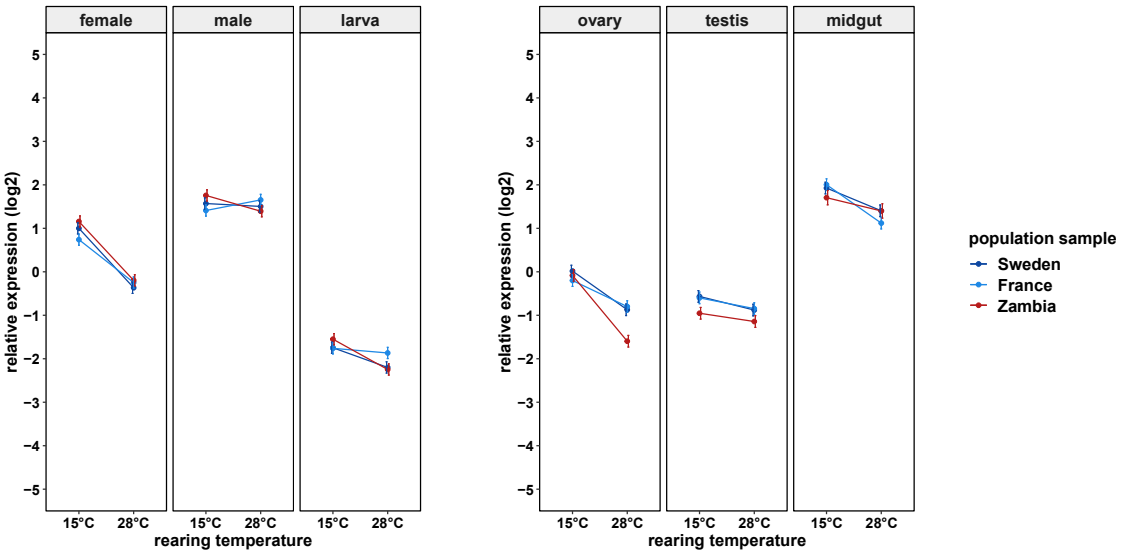

Figure S8. Mean (±SE) expression of *Appl* in different stages/sexes and tissues at two different rearing temperatures.

Table S13. Post hoc analysis of *Appl* expression

between rearing temperatures:		15°C/28°C (log2)					
		female	male	larva	ovary	testis	midgut
Sweden		1.36***	0.07	0.45	0.89**	0.31	0.52
France		0.98***	-0.24	0.11	0.60	0.25	0.88**
Zambia		1.35***	0.36	0.70*	1.51***	0.19	0.31
between population samples:							
		Sweden/Zambia (log2)		France/Zambia (log2)		Sweden/France (log2)	
female	15°C	-0.16		-0.42		0.26	
	28°C	-0.17		-0.05		-0.12	
male	15°C	-0.19		0.35		0.16	
	28°C	0.11		0.26		-0.15	
larva	15°C	-0.20		-0.21		0.01	
	28°C	0.05		0.38		0.33	
ovary	15°C	0.10		-0.12		0.22	
	28°C	0.72*		0.80*		-0.07	
testis	15°C	0.39		0.35		0.03	
	28°C	0.26		0.30		-0.03	
midgut	15°C	0.22		0.30		-0.08	
	28°C	0.00		-0.28		0.28	

Tukey HSD tests: *** P < 0.001, ** P < 0.01, * P < 0.05

ninaC

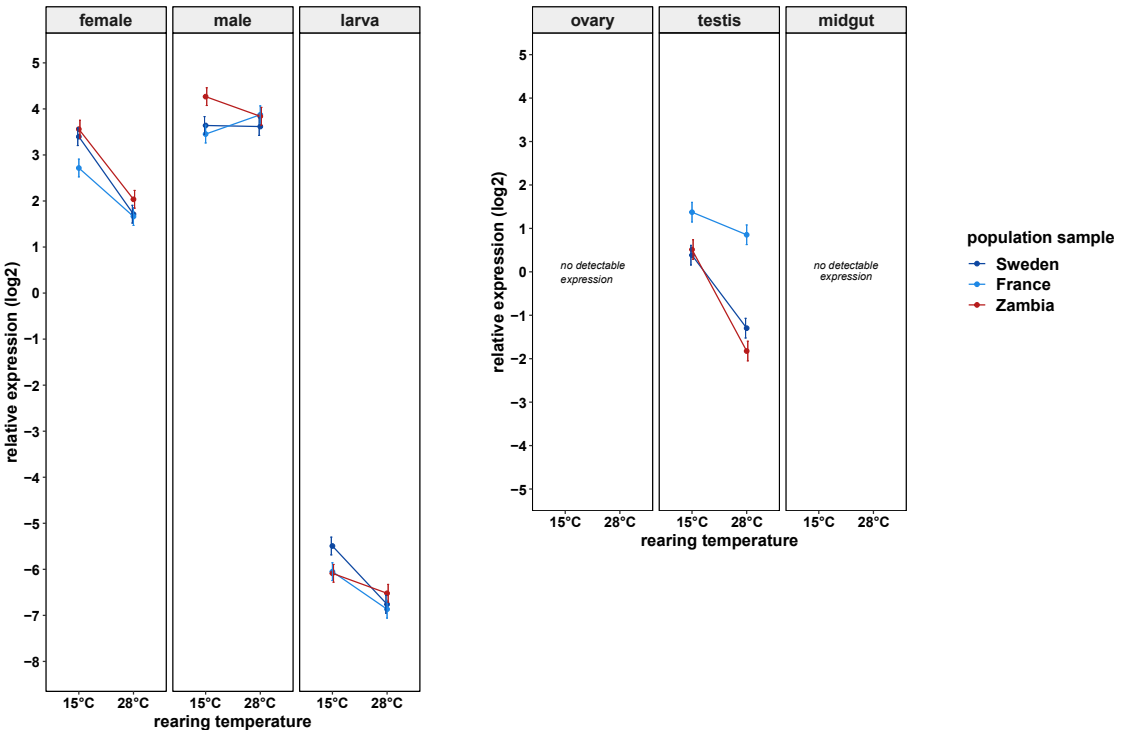

Figure S9. Mean (±SE) expression of *ninaC* in different stages/sexes and tissues at two different rearing temperatures.

Table S14. Post hoc analysis of *ninaC* expression

between rearing temperatures:		15°C/28°C (log2)					
		female	male	larva	ovary	testis	midgut
Sweden		1.68***	0.02	1.27**	-	1.68**	-
France		1.05*	-0.42	0.81	-	0.52	-
Zambia		1.52***	0.42	0.43	-	2.34***	-
between population samples:							
		Sweden/Zambia (log2)		France/Zambia (log2)		Sweden/France (log2)	
female	15°C	-0.16		-0.84		0.68	
	28°C	-0.32		-0.37		0.05	
male	15°C	-0.62		-0.81		0.18	
	28°C	-0.22		0.03		-0.26	
larva	15°C	0.59		0.04		0.55	
	28°C	-0.24		-0.35		0.11	
ovary	15°C	-		-		-	
	28°C	-		-		-	
testis	15°C	-0.13		0.86		-0.99	
	28°C	0.53		2.68***		-2.15***	
midgut	15°C	-		-		-	
	28°C	-		-		-	

Tukey HSD tests: *** P < 0.001, ** P < 0.01, * P < 0.05

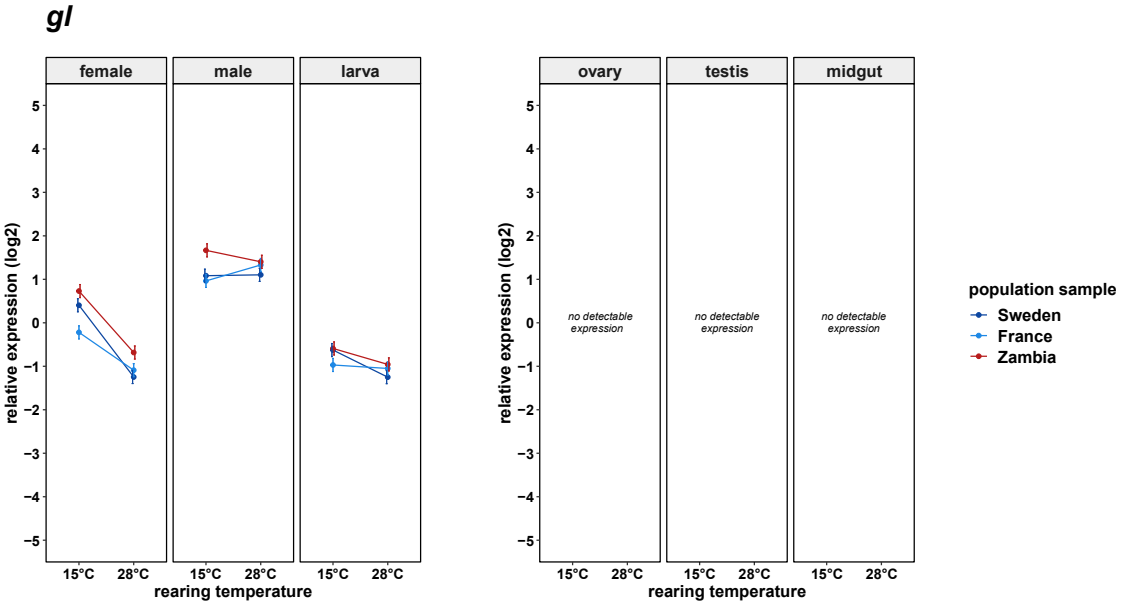

Figure S10. Mean (±SE) expression of *gl* in different stages/sexes and tissues at two different rearing temperatures.

Table S15. Post hoc analysis of *gl* expression

between rearing temperatures:		15°C/28°C (log2)					
		female	male	larva	ovary	testis	midgut
Sweden		1.65***	-0.02	0.62	-	-	-
France		0.87*	-0.37	0.08	-	-	-
Zambia		1.41***	0.26	0.36	-	-	-
between population samples:							
		Sweden/Zambia (log2)		France/Zambia (log2)		Sweden/France (log2)	
female	15°C	-0.32		-0.95**		0.62	
	28°C	-0.56		-0.41		-0.16	
male	15°C	-0.58		-0.70		0.12	
	28°C	-0.30		-0.07		-0.22	
larva	15°C	-0.04		-0.38		0.34	
	28°C	0.30		-0.09		0.20	
ovary	15°C	-		-		-	
	28°C	-		-		-	
testis	15°C	-		-		-	
	28°C	-		-		-	
midgut	15°C	-		-		-	
	28°C	-		-		-	

Tukey HSD tests: *** P < 0.001, ** P < 0.01, * P < 0.05

lbl

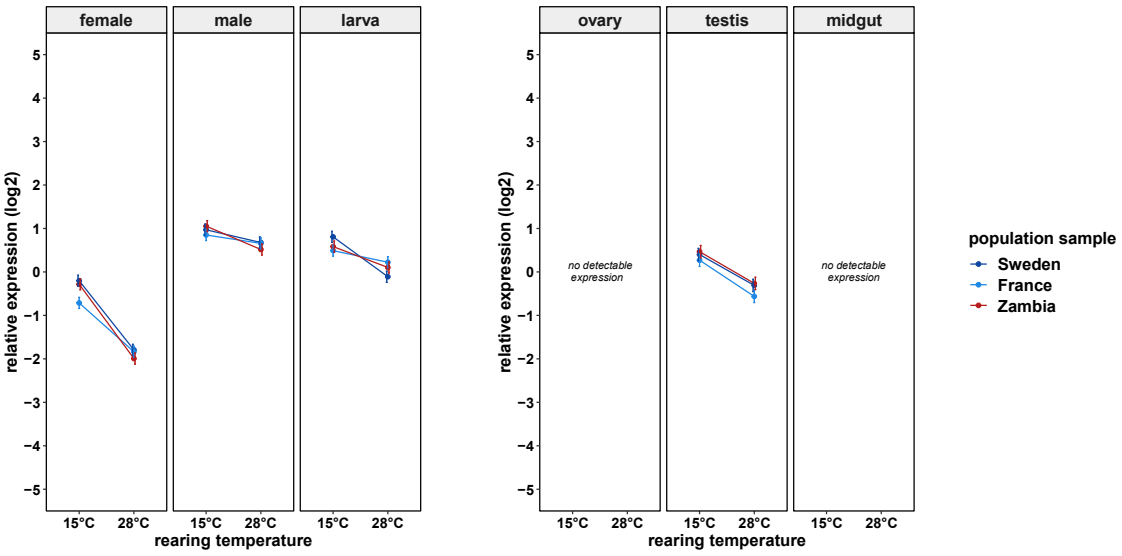

Figure S11. Mean (±SE) expression of *lbl* in different stages/sexes and tissues at two different rearing temperatures.

Table S16. Post hoc analysis of *lbl* expression

between rearing temperatures:		15°C/28°C (log2)					
		female	male	larva	ovary	testis	midgut
Sweden		1.59***	0.29	0.92	-	0.71*	-
France		1.12***	0.19	0.27	-	0.83*	-
Zambia		1.71***	0.54	0.48	-	0.73*	-
between population samples:							
		Sweden/Zambia (log2)		France/Zambia (log2)		Sweden/France (log2)	
female	15°C	0.08		-0.43		0.51	
	28°C	0.20		0.15		0.04	
male	15°C	-0.08		-0.20		0.12	
	28°C	0.16		0.14		0.02	
larva	15°C	0.22		-0.09		0.32	
	28°C	-0.21		0.12		-0.33	
ovary	15°C	-		-		-	
	28°C	-		-		-	
testis	15°C	-0.07		-0.19		0.13	
	28°C	-0.05		-0.30		0.25	
midgut	15°C	-		-		-	
	28°C	-		-		-	

Tukey HSD tests: *** P < 0.001, ** P < 0.01, * P < 0.05

Table S17. Expression data for each gene.

				relative expression					
gene	population	temperature	replicate	female	male	larva	ovary	testis	midgut
hh	Sweden	15°C	1	0.29	0.82	1.98	0.052	1.82	2.70
			2	0.55	0.66	2.04	0.036	1.31	3.32
			3	0.35	0.69	2.25	0.047	1.72	3.26
			mean	0.38	0.72	2.09	0.044	1.60	3.08
		28°C	1	0.34	0.95	2.17	0.022	1.99	2.60
			2	0.26	1.00	2.57	0.035	1.87	5.07
			3	0.18	1.08	2.40	0.034	1.83	5.69
			mean	0.25	1.01	2.38	0.030	1.90	4.22
	France	15°C	1	0.34	0.85	1.55	0.061	2.58	4.40
			2	0.47	0.76	1.69	0.041	1.92	3.58
			3	0.26	0.77	1.71	0.049	2.39	4.52
			mean	0.35	0.79	1.65	0.050	2.28	4.14
		28°C	1	0.31	0.88	2.28	0.050	1.90	3.65
			2	0.23	1.01	2.82	0.039	1.82	4.45
			3	0.19	1.00	3.18	0.042	1.83	5.51
			mean	0.24	0.96	2.74	0.043	1.85	4.48
	Zambia	15°C	1	0.40	0.64	1.61	0.079	1.29	1.99
			2	0.30	0.55	1.29	0.052	1.30	1.84
			3	0.37	0.60	2.31	0.066	1.77	na
			mean	0.36	0.60	1.69	0.065	1.44	1.92
		28°C	1	0.19	0.95	1.98	0.034	1.85	3.20
			2	0.26	0.97	2.35	0.030	1.64	3.48
			3	0.24	0.94	2.65	0.060	1.84	na
			mean	0.23	0.96	2.31	0.039	1.77	3.34
Glut3	Sweden	15°C	1	0.010	2.38	0.10	-	11.55	-
			2	0.011	2.15	0.08	-	11.73	-
			3	0.012	3.18	0.05	-	10.46	-
			mean	0.011	2.54	0.08	-	11.23	-
		28°C	1	0.010	2.18	0.15	-	8.01	-
			2	0.005	3.18	0.14	-	8.06	-
			3	0.007	3.11	0.13	-	7.74	-
			mean	0.007	2.79	0.14	-	7.93	-
	France	15°C	1	0.062	3.22	0.11	-	11.91	-
			2	0.032	3.10	0.12	-	11.37	-
			3	0.133	2.53	0.09	-	12.51	-
			mean	0.064	2.93	0.11	-	11.92	-
		28°C	1	0.010	2.01	0.21	-	7.74	-
			2	0.011	2.59	0.31	-	6.82	-
			3	0.010	2.22	0.17	-	7.65	-
			mean	0.010	2.26	0.22	-	7.39	-
	Zambia	15°C	1	0.045	2.13	0.08	-	8.22	-
			2	0.042	2.09	0.11	-	11.09	-
			3	0.061	1.92	0.07	-	9.95	-
			mean	0.049	2.04	0.09	-	9.68	-
		28°C	1	0.033	2.46	0.07	-	10.82	-
			2	0.013	2.29	0.18	-	7.42	-
			3	0.019	2.68	0.30	-	7.38	-
			mean	0.020	2.47	0.15	-	8.40	-

Table S17. Continued

				relative expression					
gene	population	temperature	replicate	female	male	larva	ovary	testis	midgut
twi	Sweden	15°C	1	0.22	0.37	0.37	-	0.47	-
			2	0.22	0.39	0.35	-	0.40	-
			3	0.21	0.38	0.48	-	0.37	-
			mean	0.22	0.38	0.39	-	0.41	-
		28°C	1	0.11	2.06	0.40	-	3.51	-
			2	0.08	2.30	0.46	-	3.53	-
			3	0.09	1.92	0.45	-	4.12	-
			mean	0.09	2.09	0.44	-	3.71	-
	France	15°C	1	0.21	0.34	0.37	-	0.27	-
			2	0.25	0.44	0.34	-	0.21	-
			3	0.19	0.32	0.42	-	0.28	-
			mean	0.22	0.36	0.38	-	0.25	-
		28°C	1	0.14	2.97	0.50	-	5.79	-
			2	0.12	3.36	0.52	-	7.24	-
			3	0.15	3.86	0.45	-	7.88	-
			mean	0.13	3.38	0.49	-	6.91	-
	Zambia	15°C	1	0.30	0.58	0.35	-	0.41	-
			2	0.30	0.70	0.50	-	0.66	-
			3	0.28	0.55	0.39	-	0.68	-
			mean	0.29	0.61	0.41	-	0.57	-
		28°C	1	0.11	5.81	0.47	-	10.32	-
			2	0.11	3.10	0.48	-	8.87	-
			3	0.08	4.28	0.56	-	10.16	-
			mean	0.10	4.25	0.50	-	9.76	-
HGTX	Sweden	15°C	1	0.18	1.41	0.40	-	3.88	0.80
			2	0.17	1.08	0.36	-	3.46	1.23
			3	0.15	1.20	0.36	-	3.11	1.00
			mean	0.17	1.22	0.37	-	3.47	1.00
		28°C	1	0.12	3.67	0.75	-	15.13	1.05
			2	0.08	4.31	0.55	-	10.25	0.60
			3	0.08	4.47	0.71	-	10.79	0.73
			mean	0.09	4.14	0.67	-	11.87	0.77
	France	15°C	1	0.18	1.01	0.30	-	2.27	1.27
			2	0.21	1.48	0.24	-	3.34	0.89
			3	0.14	1.25	0.27	-	2.58	1.33
			mean	0.18	1.23	0.27	-	2.70	1.14
		28°C	1	0.13	2.94	0.73	-	10.86	0.85
			2	0.11	2.69	0.58	-	10.36	0.72
			3	0.13	3.73	0.31	-	11.53	0.85
			mean	0.12	3.09	0.51	-	10.91	0.80
	Zambia	15°C	1	0.50	0.72	0.26	-	0.79	0.79
			2	0.21	0.65	0.34	-	1.01	0.75
			3	0.33	0.98	0.31	-	0.94	na
			mean	0.32	0.77	0.30	-	0.91	0.77
		28°C	1	0.21	1.95	0.25	-	6.56	0.47
			2	0.09	1.25	0.57	-	3.62	0.68
			3	0.09	1.97	0.39	-	3.57	na
			mean	0.12	1.69	0.38	-	4.39	0.57

Table S17. Continued

				relative expression					
gene	population	temperature	replicate	female	male	larva	ovary	testis	midgut
svp	Sweden	15°C	1	1.15	1.53	0.42	0.0056	0.022	-
			2	1.30	1.41	0.52	0.0048	0.027	-
			3	1.48	1.56	0.59	0.0084	0.023	-
			mean	1.30	1.50	0.51	0.0061	0.024	-
		28°C	1	0.74	1.09	0.27	0.0041	0.009	-
			2	0.57	1.58	0.37	0.0040	0.011	-
			3	0.60	1.53	0.32	0.0080	0.010	-
			mean	0.63	1.38	0.32	0.0051	0.010	-
	France	15°C	1	0.79	1.71	0.44	0.0081	0.020	-
			2	0.98	1.80	0.35	0.0055	0.027	-
			3	0.74	1.65	0.44	0.0030	0.026	-
			mean	0.83	1.72	0.41	0.0051	0.024	-
		28°C	1	0.61	1.19	0.31	0.0033	0.013	-
			2	0.59	1.48	0.39	0.0037	0.013	-
			3	0.48	1.63	0.45	0.0034	0.016	-
			mean	0.56	1.42	0.38	0.0034	0.014	-
	Zambia	15°C	1	1.11	1.67	0.38	0.0131	0.027	-
			2	1.04	1.99	0.44	0.0163	0.043	-
			3	1.33	1.96	0.49	0.0081	0.039	-
			mean	1.15	1.87	0.43	0.0120	0.036	-
		28°C	1	0.48	1.07	0.28	0.0016	0.009	-
			2	0.48	1.32	0.29	0.0026	0.011	-
			3	0.53	1.31	0.35	0.0036	0.011	-
			mean	0.50	1.23	0.31	0.0025	0.010	-
Prat2	Sweden	15°C	1	0.75	1.51	0.39	0.004	0.020	0.013
			2	0.67	0.86	0.53	0.007	0.020	0.017
			3	0.72	0.82	0.57	0.008	0.023	0.004
			mean	0.71	1.02	0.49	0.006	0.021	0.010
		28°C	1	0.57	0.41	0.66	0.003	0.013	0.005
			2	0.44	1.01	0.43	0.002	0.014	0.003
			3	0.25	0.76	0.71	0.005	0.016	0.004
			mean	0.40	0.68	0.59	0.003	0.014	0.004
	France	15°C	1	1.42	2.37	0.87	0.014	0.033	0.028
			2	1.44	1.90	0.89	0.007	0.045	0.009
			3	0.68	1.46	0.65	0.005	0.041	0.019
			mean	1.12	1.87	0.80	0.008	0.039	0.017
		28°C	1	0.64	1.47	0.89	0.004	0.031	0.001
			2	0.66	1.37	0.92	0.003	0.021	0.005
			3	0.40	0.96	1.01	0.002	0.025	0.029
			mean	0.55	1.24	0.94	0.003	0.026	0.005
	Zambia	15°C	1	0.98	1.93	0.43	0.018	0.024	0.022
			2	1.05	1.71	0.71	0.041	0.031	0.017
			3	1.29	2.15	0.63	0.010	0.048	na
			mean	1.10	1.92	0.58	0.019	0.033	0.019
		28°C	1	0.74	1.33	1.03	0.005	0.018	0.006
			2	0.73	1.41	0.43	0.003	0.014	0.020
			3	0.60	1.20	0.65	0.003	0.013	na
			mean	0.69	1.31	0.66	0.003	0.015	0.011

Table S17. Continued

				relative expression					
gene	population	temperature	replicate	female	male	larva	ovary	testis	midgut
Appl	Sweden	15°C	1	1.08	1.51	0.10	0.049	0.030	0.049
			2	0.90	1.24	0.16	0.054	0.031	0.054
			3	0.93	1.56	0.18	0.046	0.038	0.046
			mean	0.97	1.43	0.14	0.049	0.033	0.049
		28°C	1	0.38	1.40	0.10	0.025	0.027	0.025
			2	0.38	1.53	0.11	0.029	0.026	0.029
			3	0.36	1.21	0.11	0.026	0.026	0.026
			mean	0.37	1.37	0.11	0.027	0.027	0.027
	France	15°C	1	0.68	1.37	0.13	0.042	0.031	0.042
			2	0.95	1.21	0.14	0.043	0.030	0.043
			3	0.81	1.28	0.16	0.043	0.036	0.043
			mean	0.81	1.28	0.14	0.043	0.032	0.043
		28°C	1	0.44	1.39	0.11	0.034	0.026	0.034
			2	0.41	1.57	0.15	0.024	0.027	0.024
			3	0.38	1.60	0.14	0.027	0.030	0.027
			mean	0.41	1.52	0.13	0.028	0.027	0.028
	Zambia	15°C	1	1.30	1.69	0.13	0.067	0.018	0.067
			2	0.72	1.65	0.22	0.030	0.026	0.030
			3	1.33	1.57	0.15	0.048	0.035	0.048
			mean	1.08	1.64	0.16	0.046	0.025	0.046
		28°C	1	0.42	1.24	0.11	0.015	0.023	0.015
			2	0.45	1.20	0.09	0.016	0.023	0.016
			3	0.40	1.37	0.11	0.017	0.021	0.017
			mean	0.42	1.27	0.10	0.016	0.022	0.016
ninaC	Sweden	15°C	1	1.31	1.73	0.0019	-	0.0064	-
			2	1.23	1.40	0.0030	-	0.0042	-
			3	1.25	1.37	0.0033	-	0.0067	-
			mean	1.26	1.49	0.0027	-	0.0057	-
		28°C	1	0.45	1.49	0.0010	-	0.0017	-
			2	0.42	1.52	0.0015	-	0.0017	-
			3	0.32	1.40	0.0009	-	0.0020	-
			mean	0.39	1.47	0.0011	-	0.0018	-
	France	15°C	1	0.75	1.42	0.0021	-	0.0130	-
			2	0.93	1.30	0.0011	-	0.0085	-
			3	0.70	1.22	0.0026	-	0.0130	-
			mean	0.79	1.31	0.0018	-	0.0113	-
		28°C	1	0.43	1.64	0.0007	-	0.0086	-
			2	0.35	1.63	0.0020	-	0.0057	-
			3	0.36	2.02	0.0008	-	0.0099	-
			mean	0.38	1.76	0.0010	-	0.0079	-
	Zambia	15°C	1	1.70	2.39	0.0015	-	0.0053	-
			2	1.17	1.92	0.0019	-	0.0045	-
			3	1.42	2.67	0.0020	-	0.0100	-
			mean	1.41	2.30	0.0018	-	0.0062	-
		28°C	1	0.43	1.62	0.0011	-	0.0016	-
			2	0.57	1.51	0.0015	-	0.0011	-
			3	0.49	2.05	0.0014	-	0.0010	-
			mean	0.49	1.71	0.0013	-	0.0012	-

Table S17. Continued

				relative expression					
gene	population	temperature	replicate	female	male	larva	ovary	testis	midgut
gl	Sweden	15°C	1	0.67	1.50	0.34	-	-	-
			2	1.24	1.52	0.52	-	-	-
			3	1.07	1.58	0.59	-	-	-
			mean	0.96	1.53	0.47	-	-	-
		28°C	1	0.32	1.29	0.23	-	-	-
			2	0.32	1.93	0.39	-	-	-
			3	0.28	1.52	0.32	-	-	-
			mean	0.31	1.56	0.31	-	-	-
	France	15°C	1	0.59	1.45	0.36	-	-	-
			2	0.76	1.46	0.44	-	-	-
			3	0.54	1.34	0.32	-	-	-
			mean	0.62	1.42	0.37	-	-	-
		28°C	1	0.42	1.65	0.27	-	-	-
			2	0.31	2.09	0.43	-	-	-
			3	0.31	1.78	0.37	-	-	-
			mean	0.34	1.83	0.35	-	-	-
	Zambia	15°C	1	1.17	2.45	0.46	-	-	-
			2	1.16	1.84	0.55	-	-	-
			3	1.28	2.73	0.44	-	-	-
			mean	1.20	2.31	0.48	-	-	-
		28°C	1	0.39	1.74	0.34	-	-	-
			2	0.58	1.86	0.37	-	-	-
			3	0.40	2.21	0.42	-	-	-
			mean	0.45	1.92	0.37	-	-	-
lbl	Sweden	15°C	1	0.68	1.11	1.01	-	0.076	-
			2	0.62	1.41	1.34	-	0.091	-
			3	0.56	1.74	1.44	-	0.073	-
			mean	0.62	1.40	1.25	-	0.079	-
		28°C	1	0.17	0.92	0.64	-	0.059	-
			2	0.23	1.24	0.73	-	0.044	-
			3	0.22	1.30	0.62	-	0.044	-
			mean	0.21	1.14	0.66	-	0.048	-
	France	15°C	1	0.43	1.43	0.99	-	0.065	-
			2	0.59	1.38	1.05	-	0.077	-
			3	0.32	1.09	0.97	-	0.076	-
			mean	0.44	1.29	1.00	-	0.073	-
		28°C	1	0.16	1.02	0.88	-	0.044	-
			2	0.22	1.12	0.78	-	0.038	-
			3	0.22	1.24	0.84	-	0.041	-
			mean	0.20	1.13	0.83	-	0.041	-
	Zambia	15°C	1	0.56	1.39	1.01	-	0.072	-
			2	0.63	1.57	1.16	-	0.094	-
			3	0.57	1.50	1.04	-	0.085	-
			mean	0.59	1.48	1.07	-	0.083	-
		28°C	1	0.14	0.92	0.93	-	0.071	-
			2	0.23	1.00	0.74	-	0.047	-
			3	0.17	1.15	0.66	-	0.038	-
			mean	0.18	1.02	0.77	-	0.050	-

Table S17. Continued

				relative expression					
gene	population	temperature	replicate	female	male	larva	ovary	testis	midgut
Act42A	Sweden	15°C	1	0.81	0.49	1.27	1.32	1.34	0.88
			2	0.80	0.61	1.66	1.15	1.26	0.56
			3	0.59	0.76	1.93	1.42	1.32	1.11
			mean	0.73	0.61	1.59	1.29	1.31	0.82
		28°C	1	0.90	0.57	1.65	1.14	1.42	1.72
			2	1.10	0.87	1.98	1.25	1.33	2.58
			3	0.98	0.83	1.67	1.24	1.24	3.39
			mean	0.99	0.74	1.76	1.21	1.33	2.47
	France	15°C	1	0.60	0.64	1.88	1.16	1.57	0.64
			2	0.67	0.66	1.49	1.09	1.35	0.69
			3	0.74	0.68	1.58	1.21	1.75	0.68
			mean	0.67	0.66	1.64	1.15	1.55	0.67
		28°C	1	0.81	0.69	2.01	1.32	1.44	1.89
			2	0.75	0.95	1.97	1.06	1.59	1.75
			3	0.89	0.98	2.10	1.03	1.35	1.86
			mean	0.82	0.86	2.03	1.13	1.46	1.83
	Zambia	15°C	1	0.63	0.70	1.40	1.15	0.98	1.09
			2	0.55	0.64	1.46	0.90	1.47	1.60
			3	0.53	0.69	1.54	1.01	1.57	na
			mean	0.57	0.68	1.46	1.01	1.31	1.32
		28°C	1	0.76	0.72	1.55	1.02	1.66	2.31
			2	0.79	0.81	1.86	1.07	1.38	3.21
			3	0.66	0.79	1.83	1.03	1.24	na
			mean	0.73	0.77	1.74	1.04	1.42	2.72
robl	Sweden	15°C	1	0.74	0.94	1.14	1.07	0.71	0.88
			2	0.99	0.83	1.01	0.76	0.58	0.70
			3	0.73	0.76	1.05	0.93	0.92	0.57
			mean	0.81	0.84	1.06	0.91	0.72	0.70
		28°C	1	1.16	0.87	1.65	1.10	0.64	0.87
			2	1.01	1.07	1.76	1.01	0.73	0.82
			3	0.85	0.72	1.45	0.85	0.68	0.88
			mean	1.00	0.87	1.62	0.98	0.68	0.85
	France	15°C	1	0.86	0.91	1.11	0.89	0.84	0.91
			2	0.62	0.92	1.18	1.03	0.87	0.71
			3	0.61	0.65	0.95	0.72	0.85	0.67
			mean	0.69	0.82	1.08	0.87	0.85	0.76
		28°C	1	0.89	0.70	1.39	1.04	0.78	0.60
			2	0.86	0.88	1.49	0.79	0.76	0.59
			3	0.79	0.72	1.35	0.85	0.71	0.62
			mean	0.85	0.76	1.41	0.89	0.75	0.60
	Zambia	15°C	1	0.66	1.10	1.10	1.16	0.65	0.52
			2	0.84	1.04	1.61	0.78	1.04	0.83
			3	1.63	0.82	0.95	0.86	1.10	na
			mean	0.97	0.98	1.19	0.92	0.91	0.65
		28°C	1	1.07	0.97	1.49	1.29	1.55	1.01
			2	0.96	1.14	1.52	1.36	0.85	0.83
			3	0.93	0.88	1.52	1.01	0.60	na
			mean	0.99	0.99	1.51	1.21	0.92	0.92

Table S17. Continued

				relative expression					
gene	population	temperature	replicate	female	male	larva	ovary	testis	midgut
Rap2l	Sweden	15°C	1	0.95	0.71	0.67	0.91	0.71	0.95
			2	0.99	0.71	0.71	0.61	0.79	0.85
			3	0.87	0.75	0.75	0.93	0.75	0.80
			mean	0.94	0.72	0.71	0.80	0.75	0.87
		28°C	1	1.47	0.68	0.98	1.49	0.66	0.74
			2	1.52	0.86	1.06	1.37	0.75	0.75
			3	1.66	0.94	0.73	1.51	0.78	0.75
			mean	1.55	0.82	0.91	1.46	0.73	0.75
	France	15°C	1	1.00	0.72	0.87	0.99	0.64	0.87
			2	0.82	0.77	0.92	1.05	0.79	0.89
			3	0.85	0.65	0.77	0.85	0.73	0.83
			mean	0.89	0.71	0.85	0.96	0.72	0.86
		28°C	1	1.02	0.72	0.95	1.33	0.85	0.69
			2	1.34	1.03	1.16	1.19	0.77	0.63
			3	1.29	0.98	1.12	1.63	0.70	0.77
			mean	1.21	0.90	1.07	1.37	0.77	0.70
	Zambia	15°C	1	0.76	0.81	0.74	0.95	0.48	0.72
			2	0.56	0.86	0.78	0.91	0.64	0.78
			3	0.75	0.93	0.59	0.99	0.72	na
			mean	0.69	0.87	0.70	0.95	0.61	0.75
		28°C	1	1.14	0.74	0.72	1.39	1.04	0.61
			2	1.23	0.88	1.14	1.40	0.85	0.68
			3	1.28	0.96	1.04	1.77	0.75	na
			mean	1.22	0.86	0.95	1.51	0.87	0.64

Relative expression corresponds to inter-run calibrated normalized expression values (see Material and Methods). Cases of no detectable expression are marked by minus signs (-).