



## Environment and phenology shape local adaptation in thermal performance

Item Type	article
Authors	Villeneuve, Andrew R;Komoroske, Lisa M;Cheng, Brian S
Citation	Villeneuve AR, Komoroske LM, Cheng BS (2021) Environment and phenology shape local adaptation in thermal performance. Proceedings of the Royal Society B: Biological Sciences 288: 20210741.
DOI	<a href="https://doi.org/10.1098/rspb.2021.0741">10.1098/rspb.2021.0741</a>
Rights	UMass Amherst Open Access Policy
Download date	2025-04-21 02:50:00
Link to Item	<a href="https://hdl.handle.net/20.500.14394/37720">https://hdl.handle.net/20.500.14394/37720</a>

Correction



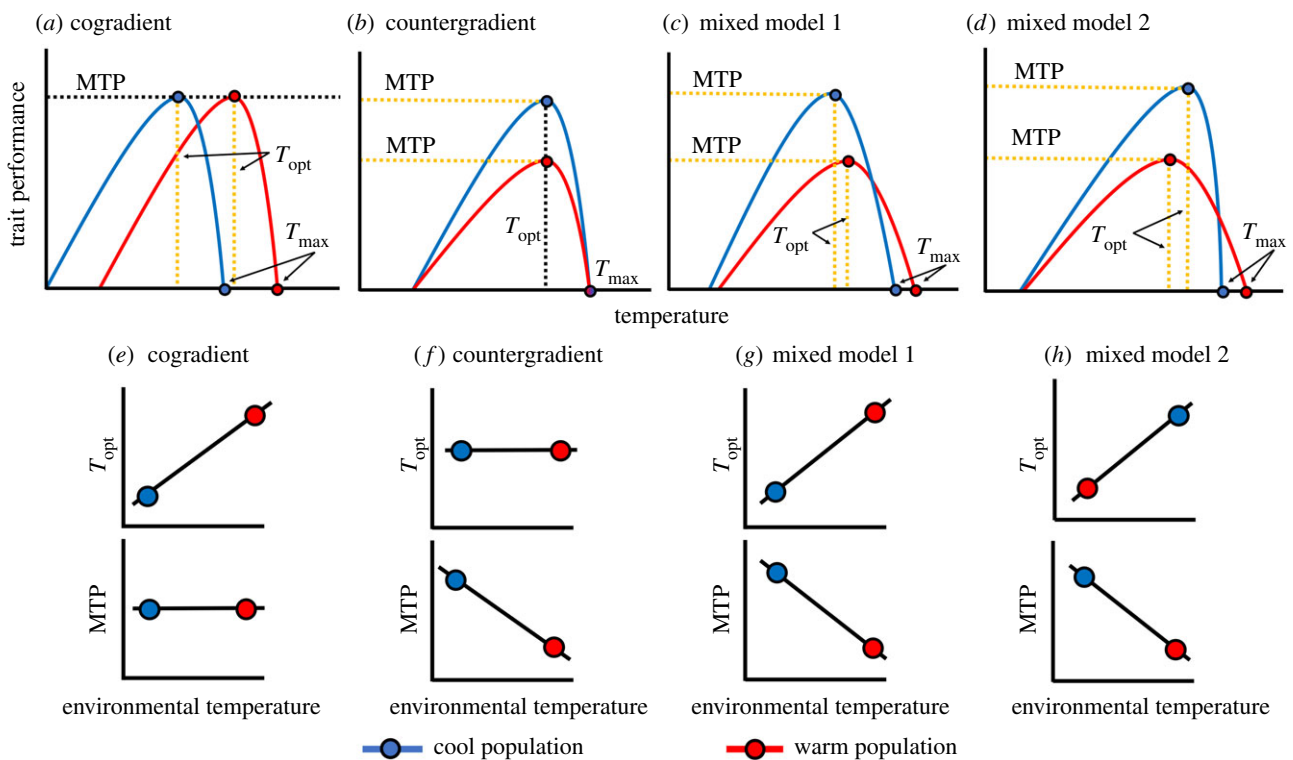
**Cite this article:** Villeneuve AR, Komoroske LM, Cheng BS. 2021 Correction to 'Environment and phenology shape local adaptation in thermal performance'. *Proc. R. Soc. B* **288**: 20212554.  
<https://doi.org/10.1098/rspb.2021.2554>

A. R. Villeneuve, L. M. Komoroske and B. S. Cheng

ARV, 0000-0001-7303-5931; LMK, 0000-0003-0676-7053; BSC, 0000-0003-1679-8398

*Proc. R. Soc. B* **288**, 20210741. (Published Online 28 July 2021) (doi:10.1098/rspb.2021.0741)

Our correction is to figure 1 of the article, which contains a graphical design error resulting in switched line plots in panel *h* of the original article's conceptual figure. We have fixed the figure's error in this correction. We have also added two sentences to the caption of figure 1 which will aid the reader in figure interpretation. Changes to this figure and the figure caption do not impact any of our analysis, results, interpretations or conclusions.



**Figure 1.** Conceptual models of spatial patterns of thermal reaction norms, illustrated using TPCs (a–d) and TPC components (e–h). Under CoGV (a,e), thermal optima ( $T_{opt}$ ) increases with environmental temperature, whereas maximum trait performance (MTP) is equal. Under CnGV (b,f),  $T_{opt}$  is equal between populations, while the cool population has higher MTP than the warm population. Under Mixed Model 1 (c,g),  $T_{opt}$  increases with environmental temperature, while MTP is highest in the cool population. Under Mixed Model 2 (d,h), both MTP and  $T_{opt}$  are greater in cool populations. Note the position of the warm population  $T_{opt}$  under Mixed Model 2 (h). The x-axis units of (e–h) are the measures of environmental temperature that are predicted to drive adaptation of trait variation. (Online version in colour.)