

**Table S2.** Results of analyses using only species for which GTopt and GTmax could be estimated at the species-level

<b>Model</b>	<b>Intercept</b>	<b>Slope</b>	<b>R2</b>	<b>P-value (of slope)</b>
<i>GT.opt (oC) ~ Plot Elevation (m)</i>				
species	26.3722071	26.3689884	0.5712	<2e-16
plot.weighted	26.1431306	-0.0028342	0.8241	0.000282
plot.unweighted	25.7701306	-0.0026607	0.8164	0.000336
<i>GT.max (oC) ~ Plot Elevation (m)</i>				
species	31.9065261	-0.00199	0.4619	6.26E-13
plot.weighted	31.6446523	-0.0015543	0.6367	0.00567
plot.unweighted	31.3719261	-0.0012798	0.7573	0.00106
<i>T.50 (oC) ~ GT.max (oC)</i>				
species	16.017	0.255	0.02532	0.1434
<i>T.50 (oC) ~ GT.opt (oC)</i>				
species	-2.7908	0.483	0.04294	0.0556
<i>dBA (% yr-1) ~ GT.opt.rel (oC)</i>				
species	-1.23E-05	6.54E-07	0.01095	0.341
<i>dBA (% yr-1) ~ GT.max.rel (oC)</i>				
species	-1.18E-05	7.27E-07	0.009296	0.38