Table 5: AIC comparison of three models of temperature dependence of PLD for 72 species.

Model	AIC	Log-likelihood	Δ_i	ω_i
Linearized power law (Eq. **1**): random intercepts and slopes	180.63	-84.32	16.77	0.000
Linearized power law with quadratic in temperature (Eq. **2**): random intercepts, 'slopes', and quadratic term	163.86	-71.93	0	1.000
Universal temperature dependence (Eq. **3**): random intercepts and "slopes"	182.13	-85.06	18.27	0.000

Δ_i = difference in AIC of the current model from that of the lowest AIC value of among all tested models, ω_i = Akaike weight, a normalized relative likelihood for each model. Akaike weights (ω_i) can be interpreted as the probability under repeated sampling that a model is the best model among the set of models under consideration (9). Equation numbers refer to *Methods*.