

Table S1: Cross-correlation matrix of variables in the analysis across all 5,290 species data points (Spearman rank correlations). Only continuous and categorical variables with 2 factors levels included. Correlations ≥ 0.75 are marked in bold. For variable abbreviations see Methods.

	<i>Clutch size</i>	<i>Mass</i>	<i>Migrant</i>	<i>Temp_{Avg}</i>	<i>NPP_{Max}</i>	<i>Temp_{Max} - Temp_{Min}</i>
	<i>Precocial</i>	<i>Nest type</i>	<i>Abs. Latitude</i>	<i>Prec_{Total}</i>	<i>NPP_{Total}</i>	$1 - (NPP_{Min} / NPP_{Max})$
<i>Clutch size</i>	0.24	0.08	0.13	0.33	0.47	-0.39
<i>Precocial</i>	0.24	0.45	-0.20	0.17	0.16	-0.13
<i>Mass</i>	0.08	0.45	-0.03	0.07	0.08	-0.01
<i>Nest type</i>	0.13	-0.20	-0.03	-0.22	-0.15	0.16
<i>Migrant</i>	0.33	0.17	0.07	-0.15	0.51	-0.51
<i>Abs. Latitude</i>	0.47	0.16	0.08	0.16	0.51	-0.76
<i>Temp_{Avg}</i>	-0.39	-0.13	-0.01	0.11	-0.51	-0.76
<i>Prec_{Total}</i>	-0.38	-0.16	-0.08	0.13	-0.41	-0.63
<i>NPP_{Total}</i>	-0.43	-0.16	-0.10	0.05	-0.41	-0.69
<i>NPP_{Max}</i>	-0.16	-0.07	-0.08	0.12	-0.12	-0.25
$1 - (NPP_{Min} / NPP_{Max})$	-0.46	-0.17	-0.09	-0.16	-0.46	-0.73
<i>Temp_{Max} - Temp_{Min}</i>	0.52	0.17	0.11	-0.08	0.55	0.90