

Supplementary material

Table S1. Eigenvectors of 10 most loaded characters to Fig. 3A.

Indices	PC1	Indices	PC2
<i>Spt</i>	−0.242	<i>Eth-Sph</i>	0.423
<i>SSph</i>	−0.241	<i>Pal</i>	−0.347
<i>SFr-min</i>	−0.240	<i>Urh</i>	0.343
<i>SEth</i>	−0.239	<i>HPal</i>	−0.332
<i>H</i>	−0.237	<i>WPal</i>	−0.291
<i>Dff</i>	−0.237	<i>HEth</i>	0.286
<i>Hm</i>	−0.235	<i>hMx</i>	−0.257
<i>Wpop</i>	−0.230	<i>Mx</i>	−0.248
<i>HDe</i>	−0.230	<i>WBSoc</i>	0.160
<i>Pop</i>	−0.229	<i>Pm</i>	−0.156
Explained variance, %	60.70	Explained variance, %	17.16

Table S2. Eigenvectors of 10 most loaded characters to Fig. 3B.

Indices	PC1	Indices	PC2
<i>SEth</i>	−0.277	<i>Pal</i>	−0.336
<i>Spt</i>	−0.263	<i>HPm-pr</i>	−0.336
<i>WBSoc</i>	−0.247	<i>De</i>	−0.328
<i>WHm</i>	−0.236	<i>Mx</i>	−0.266
<i>Dff</i>	−0.235	<i>WPal</i>	−0.263
<i>HHm</i>	−0.235	<i>HEth</i>	−0.244
<i>H</i>	−0.231	<i>HPal</i>	−0.236
<i>SSph</i>	−0.230	<i>Pm</i>	−0.224
<i>Hm</i>	−0.222	<i>Hm</i>	0.222
<i>SFr-min</i>	−0.221	<i>Urh</i>	−0.208
Explained variance, %	39.98	Explained variance, %	15.63

Table S3. Eigenvectors of 10 most loaded characters to Fig. 3C.

Indices	PC1	Indices	PC2
<i>SEth</i>	-0.247	<i>Iop</i>	0.421
<i>SSph</i>	-0.245	<i>Dff</i>	0.380
<i>Pm</i>	-0.244	<i>WDff</i>	0.331
<i>Mx</i>	-0.240	<i>WBsoc</i>	0.318
<i>Hm</i>	-0.239	<i>hMx</i>	0.318
<i>SFr-min</i>	-0.239	<i>HPm-pr</i>	0.311
<i>H</i>	-0.236	<i>De</i>	0.264
<i>HDe</i>	-0.235	<i>Pop</i>	0.255
<i>SPt</i>	-0.234	<i>HHm</i>	0.210
<i>WHm</i>	-0.233	<i>HEth</i>	-0.141
Explained variance, %	58.60	Explained variance, %	15.43

Supplementary Figures

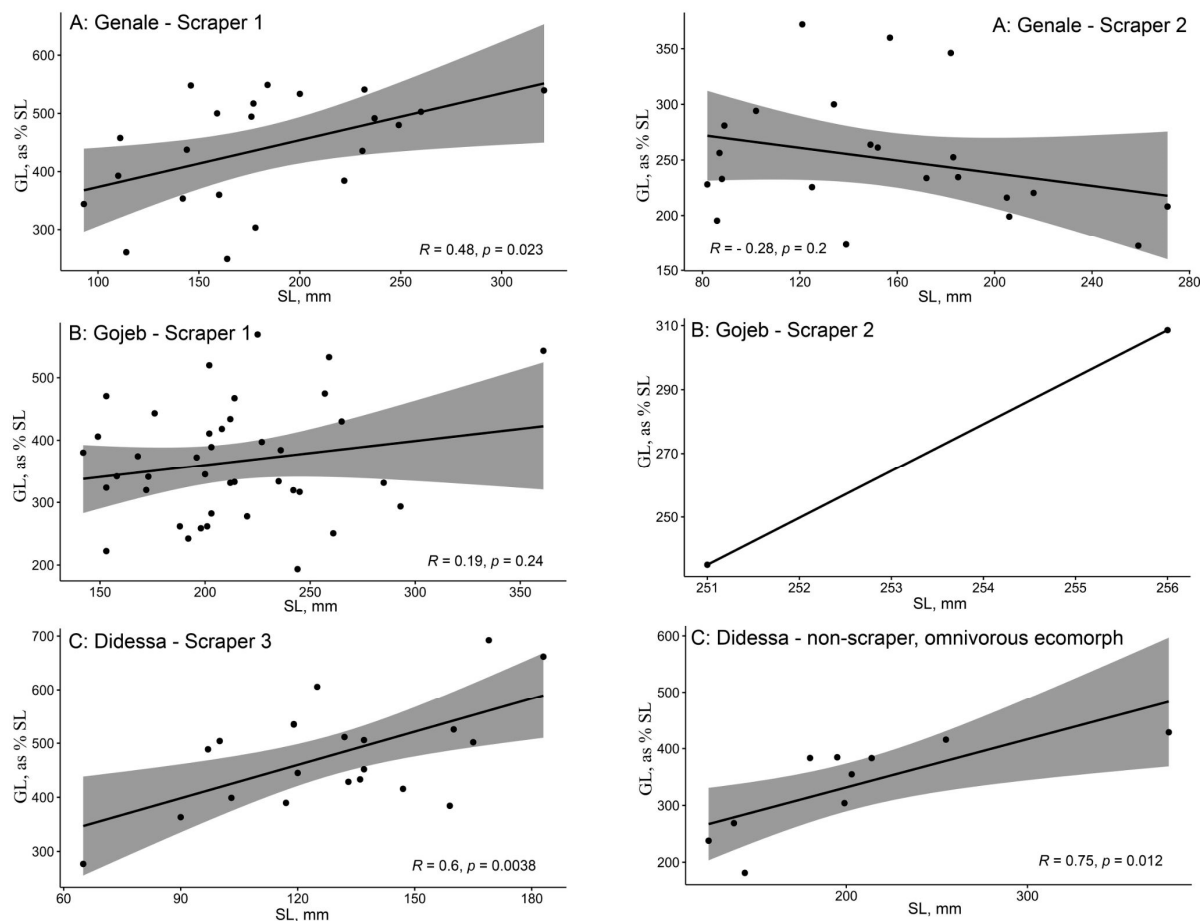


Figure S1. Pearson correlation of gut length and body length for ecomorphs from three separated basins.