

**Table S4.** Results from the morphological disparity analyses after removing the species with less than five specimens. The p-values were only calculated when the disparity ratios were higher than 1, since we explicitly hypothesized higher disparity in island species (island colonization as a primary driver of morphological disparity) and/or higher disparity in ground habitats (ecological specialization as a primary driver of disparity).

	<b>SVL</b>	<b>pPC1</b>	<b>pPC2</b>
<b>disparity island</b>	0.018	0.005	0.001
<b>disparity mainland</b>	0.026	0.009	0.003
<b>disparity ratio island/mainland</b>	0.68	0.505	0.322
<b>p island/mainland</b>	-	-	-
<b>disparity ground</b>	0.047	0.006	0.005
<b>disparity no-ground</b>	0.02	0.007	0.002
<b>disparity ratio ground/no-ground</b>	<b>2.40</b>	0.80	<b>2.76</b>
<b>p ground/no-ground</b>	<b>0.03</b>	-	<b>0.01</b>