

**Table S1.** P-values of pairwise comparisons (ANOVA) of regression coefficients of relative cameral length (=RCL) between species. In the linear regression models, species are included as interaction terms. Significant p-values (< 0.05) are highlighted in bold. Non-significant p-values cannot reject that the slopes of the ontogenetic trajectories are statistically distinct (i.e., parallel).

RCL	<i>Pa. mutabile</i>	<i>Pl. cambria</i>	<i>S. bullatum</i>	<i>S. endogastrum</i>	<i>S. inflatum</i>	<i>S. magicum</i>	<i>S. marywadeae</i>	<i>S. shanxiense</i>	<i>S. sibirienne</i>	<i>S. sinense</i>	<i>S. wanwanense</i>
<i>Pa. mutabile</i>		0.5649	<b>&lt; 0.0001</b>	0.3869	<b>0.0148</b>	0.1217	<b>&lt; 0.0001</b>	0.0132	0.0857	<b>0.0001</b>	<b>&lt; 0.0001</b>
<i>Pl. cambria</i>	0.5649		<b>0.0344</b>	0.6689	0.6241	0.1391	<b>0.0166</b>	0.4440	0.0600	<b>0.0484</b>	0.0604
<i>S. bullatum</i>	<b>&lt; 0.0001</b>	<b>0.0344</b>		0.1314	<b>0.0039</b>	0.6789	0.1365	<b>0.0005</b>	0.8266	0.2464	0.0771
<i>S. endogastrum</i>	0.3869	0.6689	0.1314		0.8011	0.2769	0.1235	0.7557	0.1324	0.1583	0.2172
<i>S. inflatum</i>	<b>0.0148</b>	0.6241	<b>0.0039</b>	0.8011		0.8549	<b>&lt; 0.0001</b>	0.6424	0.7268	0.2514	<b>0.0016</b>
<i>S. magicum</i>	0.1217	0.1391	0.6789	0.2769	0.8549		0.7539	0.4689	0.4728	0.8423	0.8314
<i>S. marywadeae</i>	<b>&lt; 0.0001</b>	<b>0.0166</b>	0.1365	0.1235	<b>&lt; 0.0001</b>	0.7539		<b>&lt; 0.0001</b>	0.7676	0.4559	0.2617
<i>S. shanxiense</i>	0.0132	0.4440	<b>0.0005</b>	0.7557	0.6424	0.4689	<b>&lt; 0.0001</b>		0.2538	<b>0.0137</b>	<b>0.0006</b>
<i>S. sibirienne</i>	0.0857	0.0600	0.8266	0.1324	0.7268	0.4728	0.7676	0.2538		0.6089	0.7664
<i>S. sinense</i>	<b>0.0001</b>	<b>0.0484</b>	0.2464	0.1583	0.2514	0.8423	0.4559	<b>0.0137</b>	0.6089		0.7153
<i>S. wanwanense</i>	<b>&lt; 0.0001</b>	0.0604	0.0771	0.2172	<b>0.0016</b>	0.8314	0.2617	<b>0.0006</b>	0.7664	0.7153	