

TABLE S2 | Continuous characters and standardized ranges. Values of continuous characters (Chars. 1-4) of examined species. Upper line with observed range and lower line with standardized range used in the phylogenetic analysis (e.g., 0 = smallest observed count; 1 = largest observed count).

	Char 1	Char 2	Char 3	Char 4
<i>Ictalurus punctatus</i>	13-18 0.440-0.640	13-16.2% 0.491-0.687	111.6-116.6% 0.940-1.000	10.1% 0.141
<i>Steindachneridion scriptum</i>	15-17 0.520-0.600	8.2% 0.196	82% 0.585	18.5-22.8% 0.357-0.468
<i>Rhamdia quelen</i>	11-15 0.360-0.520	7.8-11.6% 0.172-0.405	101.4% 0.818	37-43.5% 0.833-1.000
<i>Batrochoglanis raninus</i>	11 0.360-0.360	11.3-18.3% 0.387-0.816	62.4-65.2% 0.350-0.384	15.5-23.6% 0.280-0.489
<i>Cruciglanis pacifici</i>	5-7 0.120-0.200	10.7% 0.350	92.1% 0.706	12.3-14.2% 0.198-0.247
<i>Lophiosilurus albomarginatus</i>	10-11 0.320-0.360	8.6-13.7% 0.221-0.534	58.6-65% 0.305-0.381	11.6-16.8% 0.180-0.314
<i>Lophiosilurus alexandri</i>	13-14 0.440-0.480	5-5.9% 0.000-0.053	33.2-47.8% 0.000-0.175	4.6-7.4% 0.000-0.073
<i>Lophiosilurus apurensis</i>	27 1.000	13.4% 0.515	65.7-67.7% 0.390-0.414	13.5% 0.229
<i>Lophiosilurus fowleri</i>	9-16 0.280-0.560	6.9-12.3% 0.117-0.448	63% 0.357	11.9-15.3% 0.188-0.275
<i>Lophiosilurus nigricaudus</i>	11-16 0.360-0.560	13-13.1% 0.491-0.497	48.7% 0.186	12.2-15.8% 0.195-0.288
<i>Microglanis parahybae</i>	6-11 0.160-0.360	18.7-21.3% 0.840-1	76.9-92.9% 0.524-0.716	12.1-18.9% 0.193-0.368
<i>Pseudopimelodus bufonius</i>	4-7 0.080-0.200	11.5-16.8% 0.399-0.724	70.3-86.3% 0.445-0.637	12.8-17.0% 0.211-0.317
<i>Pseudopimelodus mangurus</i>	2-6 0.000-0.160	8.7-15.6% 0.227-0.650	79.6-91.2% 0.556-0.695	10.8-19.2% 0.158-0.375
<i>Rhyacoglanis annulatus</i>	6-7 0.160-0.200	16.6-16.7% 0.712-0.718	62-7% 0.345-0.453	22.3-28% 0.455-0.602
<i>Rhyacoglanis epiblepsis</i>	4-7 0.080-0.200	9.8-15.3% 0.294-0.632	71-79% 0.453-0.549	17.2-22.9% 0.324-0.470
<i>Rhyacoglanis paranensis</i>	5-10 0.120-0.320	11.3-20.2% 0.387-0.933	76.6-86.7% 0.520-0.641	14.6-20.5% 0.257-0.409
<i>Rhyacoglanis pulcher</i>	5-6 0.120-0.160	12.9-17.2% 0.485-0.748	61-68.2% 0.333-0.420	9.8-11.9% 0.134-0.188
<i>Rhyacoglanis seminiger</i>	5-8 0.120-0.240	13.7-16.8% 0.534-0.724	78.2-92.3% 0.540-0.709	8.7-11.7% 0.105-0.183



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