

Table 1 Morphometric and meristic data of *Astyanax brevoortii*, *A. caroni* sp. n., *A. garutii* sp. n and *A. cuyuni* sp. n. Average (*); SD: standard deviation

	<i>A. brevoortii</i>				<i>A. caroni</i>			<i>A. garutii</i>			<i>A. cuyuni</i>		
	Sintypes		Rango n:21	SD	Holotype	Paratypes n:20	SD	Holotype	Paratypes n: 28	SD	Holotype	Paratypes n: 28	SD
Standard length	67.3	64.6	52,5-96,8 (82,6)		70.8	49,6-76,8 (59,6)		87.6	51,8-100,3 (71,8)		78.4	31,4-89,3 (60,8)	
Percentages of Standard Length													
1. Depth of the body	40.8	43.5	35,5-43,2 (39,6)	2.1	36.9	34,8-41,6 (38,5)	2.2	40.4	35,4-46,7 (40,5)	2.8	43.2	32,1-43,9 (39,5)	3.2
2. Predorsal distance	50.9	50.3	44,9-53,0 (50,2)	1.8	52.4	49,2-52,9 (51,1)	1.1	49.9	41,9-54,5 (50,6)	2.6	53.1	30,8-60,6 (51,5)	4.6
3. Prepectoral distance	25.0	23.3	22,5-29,7 (23,9)	1.5	26.3	25,5-29,4 (27,1)	1.0	24.3	24,6-28,9 (26,6)	1.1	24.5	23,9-30,0 (26,9)	1.7
4. Prepelvic distance	50.7	41.0	41,3-46,6 (43,8)	1.5	46.6	43,9-48,7 (46,8)	1.2	43.2	42,7-49,6 (46,1)	1.7	47.4	42,9-49,7 (46,3)	1.8
5. Dorsal-pectoral distance	44.4	47.4	37,5-44,4 (42,1)	1.9	41.9	39,1-44,5 (41,9)	1.5	41.9	38,4-48,0 (43,0)	2.4	45.2	36,9-45,4 (42,4)	2.3
6. Preanal distance	67.9	70.0	59,2-65,1 (62,4)	1.6	65.5	63,6-67,0 (65,2)	1.0	65.0	59,7-70,0 (64,8)	2.4	65.1	58,6-68,2 (64,4)	2.5
7. Dorsal fin-hypural distance	52.2	54.3	47,8-53,4 (50,6)	1.5	54.5	51,2-56,4 (54,1)	1.6	51.5	52,8-59,4 (56,0)	1.5	50.3	47,8-57,2 (52,8)	3.0
8. Dorsal fin length	24.0	22.4	25,6-30,7 (29,1)	1.4	24.2	24,1-29,1 (26,3)	1.2	27.4	20,3-31,2 (28,1)	2.1	28.3	26,2-32,9 (29,3)	1.5
9. Pectoral fin length	17.3	18.9	18,5-24,9 (22,7)	1.3	20.5	20,1-23,5 (21,6)	1.2	22.5	21,0-30,6 (23,7)	1.8	22.8	21,2-27,3 (23,9)	1.3
10. Pelvic fin length	15.7	24.6	16,0-20,2 (18,9)	1.0	16.1	15,5-18,3 (16,6)	0.9	14.8	16,7-20,9 (18,4)	1.1	17.6	16,1-20,4 (18,8)	1.1
11. Anal fin length	18.5	16.7	14,9-20,3 (17,3)	1.3	15.5	12,5-19,5 (16,9)	1.5	16.6	15,5-20,1 (18,2)	1.1	16.6	16,3-23,4 (18,9)	2.3
12. Dorsal-anal distance	40.2	44.7	36,7-44,3 (39,0)	2.4	38.3	34,5-42,7 (39,8)	2.1	45.5	36,9-48,4 (42,3)	2.7	44.6	33,1-45,1 (41,3)	3.1
13. Caudal peduncle depth	11.1	12.7	9,0-11,5 (10,2)	0.6	11.6	10,7-12,0 (11,3)	0.4	11.3	10,9-13,2 (11,9)	0.6	10.7	9,0-12,9 (11,2)	1.0
14. Caudal peduncle length	9.8	10.5	7,0-9,7 (8,2)	0.8	12.6	12,5-17,1 (14,1)	1.2	7.9	9,0-15,4 (11,6)	1.4	7.9	7,9-12 (10,3)	1.3
15. Head length	25.5	26.4	24,2-29,1 (25,4)	1.0	25.6	24,3-27,3 (25,8)	0.9	27.3	24,7-31,7 (27,6)	1.7	27.9	25,6-31 (28,5)	1.5
Percentages of Head Length													
16. Snout length	18.9	19.3	17,3-23,1 (20,9)	1.5	27.1	23,6-28,7 (25,7)	1.4	30.1	21,0-26,0 (23,3)	1.3	28.3	14,2-27,1 (21,6)	3.67
17. Diameter of the eye	34.9	37.3	24,3-37,8 (30,9)	3.1	35.9	30,9-35,9 (33,4)	1.5	43.5	30,8-41,0 (34,6)	2.7	44.7	25,4-44,2 (33,4)	3.85
18. Postorbital length	46.8	47.2	39,6-46,5 (42,4)	2.2	43.1	39,2-45,2 (42,1)	1.6	25.9	44,5-55,7 (50,4)	3.1	25.6	37-53,9 (45,2)	5.21
19. Maxillary length	31.0	24.5	24,7-30,7 (27,2)	1.6	26.5	26,1-35,5 (30,1)	2.6	39.7	23,2-35,6 (28,0)	2.4	39.7	24,1-31,7 (28,5)	1.95
20. Interorbital width length	–	–	35,7-45,3 (39,5)	2.2	40.9	39,4-48,1 (42,5)	2.2	26.4	26,1-40,3 (36,4)	2.8	22.4	32,9-42,9 (37,6)	2.4
21. Upper jaw length	–	–	23,8-31,3 (25,8)	1.7	33.7	26,3-35,2 (31,0)	2.1	26.4	25-34,2 (29,6)	1.9	22.4	20,0-36,4 (28,5)	5.62
Meristics													
Lateral line scales	–	–	32-41 (36*)		35	35-38 (37*)		38	33-43 (37*)		36	30-38 (36*)	
Scales between lateral line and dorsal fin	–	–	7-8 (7*)		6	6-7 (6*)		8	7-8 (7*)		7	6-8 (7*)	
Scales between lateral line and pelvic fin	–	–	6-7 (6*)		7	6-8 (6*)		7	5-7 (6*)		6	5-6 (6*)	
Dorsal fin rays	–	–	iii, 9		iii, 9	iii, 9		ii, 9	iii, 9		ii, 9	iii, 9	
Anal fin rays	–	–	iii- iv, 26-31		iii, 24	iii- iv, 24-30		iii, 30	iii- iv, 24-31		ii, 29	iii, 25-29	
Pelvic fin rays	–	–	i, 7		i, 7	i-ii, 6-7		i, 7	i-ii, 6-7		i, 7.i	i-ii, 6- 7	
Pectoral fin rays	–	–	i-ii, 10-13		i, 12	i-ii, 10-16		i, 12	i-ii, 11-13		i, 13	i-ii, 10-13	

Table 2 Test of cranial distances that support significant differences between the species *A. brevoortii* and *A. garuttii* n. sp

Variable	Taxon 1	N1	Taxon 2	N2	Mean 1	Mean 2	T	P
Post orbital length	<i>A. brevoortii</i>	28	<i>A. garuttii</i> n. sp.	34	-0, 03	-0, 53	29,26	<0,0003
Maxilla length	<i>A. brevoortii</i>	28	<i>A. garuttii</i> n. sp.	34	-0, 38	-0, 87	27,04	<0,0004
Upper jaw length	<i>A. brevoortii</i>	28	<i>A. garuttii</i> n. sp.	34	-0, 81	-1, 09	17,63	<0,0006