

Apistogramma character data

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Phenotype traits of Apistogramma, by species

Data archived in this file are extracted from 'Basic data for clusteranalysis of relationships within Apistogramma-species', pp. 1290-1297 (Römer 2006).

'NA' for missing data

Fields are defined as follows:

1_crossbands: [0] all crossbands present, bifurcated, [1] all crossbands present, not bifurcated, [2] extending obliquely backwards, [3] all suppressed

2_midlat_spot: [0] midlateral spot clearly expressed, [1] absent

3_lat_spots: [0] longitudinal band of spots expressed, [1] absent

4_cheek_stripe: [0] suborbital stripe present, [1] absent

5_dorsal_spots : [0] dorsal spots present, [1] absent

6_intraorb_stripe: [0] intraorbital stripe present, [1] absent

7_infraorb_band: [0] infraorbital band present, [1] absent

8_long_band_frm: longitudinal band form [0] zigzag, [1] broad and straight, [2] narrow and straight, [3] not present

9_long_bnd_ext: longitudinal band extent [0] to crossband 7, [1] past crossband 7, [2] absent

10_postoc_spot: [0] postorbital spot present, [1] absent

11_lat_spet_spec: [0] at least two lateral spots, [1] one lateral spot, [0] absent

12_chest_spot: dark blotch between pectorals [0] absent or [1] present

13_anal_strk: dark marking at ventral opening [0] absent or [1] present

14_lwr_lip: dark marking framing lower lip [0] absent or [1] present

15_chin_spt: a clear marking on chin [0] absent or [1] present

16_abd_bnds: abdominal bands [0] present or [1] absent

17_abd_strks: distinct abdominal streaks [0] present or [1] absent

18_abd_spts: regular abdominal spots [0] absent or [1] present

19_abd_strps: abdominal stripes [0] absent or [1] present

20_anal_spt: blackish spot at anal region [0] absent or [1] present

21_pect_spt: spot at base of pectoral fin [0] absent or [1] visible

22_caudal_spt: caudal spot [0] absent in adults or [1] present

23_caudped_spt: caudal-peduncle spot is [0] absent or [1] present

24_snout_strp: snout stripe [0] absent or [1] present

25_u_lip_strp: narrow stripe on upper lip [0] absent or [1] present

26_ant_dors_male: colour of anterior dorsal membrane of male is [0] not differing from rest of dorsal, [1] at least part black

27_ant_dors_fem: colour of anterior dorsal membrane of female is [0] not differing from rest of fin, [1] at least part black

28_blue_ulip_spt: blue upper-lip spot [0] absent or [1] readily discernable

29_brood_band: female longitudinal brood band [0] reduced to spots, [1] clearly expressed, [2] absent

30_brd_latspot: female lateral spot during brood care [0] clearly expressed, [1] absent

31_brd_caudspot: female caudal spot during brood care [0] absent, [1] clearly expressed

32_brd_dorsspot: female dorsal spots during brood care [0] clearly expressed or [1] absent

33_brd_cheekstr: female cheek stripe during brood care [0] clearly normally expressed, [1] modified, [2] modified and reduced

34_sex_size: sexual size dimorphism [0] absent, [1] present with larger males, [2] only slight, with larger females

35_sex_polymorph: striking polymorphism between sexes [0] absent, [1] slight, [2] distinct

36_caudal_frm: caudal form is [0] rounded, [1] truncate, [2] lyrate/bifurcate, [3] lanceolate

37_dorsal_frm: dorsal form is [0] unmodified, [1] high

38_mouth: mouth orientation [0] terminal, [1] subterminal, [2] supraterminal

39_jaw: jaw structure [0] small and unmodified, [1] normal and unmodified, [2] powerful and distinctly large

40_lip: lip structure is [0] unmodified] or [1] hypertrophic

41_lip_colour: lip colour is [0] unmodified] or [1] contrasting with head

42_headbody_prop: head [0] not noticeably enlarged or [1] strikingly enlarged

43_caudal_patten: caudal fin of male is [0] unpatterned, [1] vertically banded, [2] longitudinally striped, [3] speckled or spotted

44_caudal_edge: caudal edge of male has [0] no markings, [1] distinct edges or spots, [2] distinct coloured border

45_bodyform: body is [0] robust or [1] slender

46_crosssection: body cross-section is [0] rounded or [1] oval

47_jaw_dent: teeth are [0] unmodified or [1] modified

5-_dent_pores: dentary pores [0] not reduced or [1] reduced in number

51_infraorb_pores: infraorbital pores [0] not reduced or [1] reduced in number

Reference Material:

Römer, U. 2006. Cichlid Atlas Volume 2. 1st Ed. Melle, Germany: Mergus.