

TABLE S4 | Genetic variability data of *Prochilodus lineatus* locus by locus of microsatellite markers. N: number of samples; Na: number of alleles; Ne: number of effective alleles; Ho: observed heterozygosity; He: expected heterozygosity; FIS: Intrapopulation Index; HWE: Hardy-Weinberg Equilibrium Test.

*Statistically significant values $p \leq 0.007$.

Sep_03	N	Na	Ne	Ho	He	F_{IS}	HWE
AG72	17	3	1.97	0.59	0.49	-0.20	*
PL03	33	10	5.00	0.52	0.80	0.36	*
PL14	30	3	2.41	0.67	0.59	-0.14	ns
PL09	32	3	2.16	0.94	0.54	-0.74	*
PL139	33	17	13.04	0.67	0.92	0.28	*
PL216	33	7	3.17	0.48	0.68	0.29	*
PL119	25	24	17.12	0.76	0.94	0.19	*
Jan_05	N	Na	Ne	Ho	He	F_{IS}	HWE
AG72	16	8	4.27	0.81	0.77	-0.06	ns
PL03	16	7	2.56	0.69	0.61	-0.13	ns
PL14	19	9	2.55	0.58	0.61	0.05	ns
PL09	13	2	1.08	0.08	0.07	-0.04	ns
PL139	16	13	8.13	0.69	0.88	0.22	ns
PL216	11	4	1.97	0.27	0.49	0.45	ns
PL119	11	4	3.27	0.00	0.69	1.00	*
Aug_05	N	Na	Ne	Ho	He	F_{IS}	HWE
AG72	23	11	5.98	0.43	0.83	0.48	*
PL03	31	8	2.32	0.35	0.57	0.38	ns
PL14	32	18	9.23	0.81	0.89	0.09	ns
PL09	30	3	1.75	0.60	0.43	-0.40	ns
PL139	33	19	12.17	0.67	0.92	0.27	*
PL216	27	5	1.83	0.19	0.45	0.59	*
PL119	25	15	5.68	0.40	0.82	0.51	*



TABLE S4 | (Continued)

Jan_06	N	Na	Ne	Ho	He	F_{IS}	HWE
AG72	31	8	4.79	0.55	0.79	0.31	*
PL03	36	7	2.28	0.22	0.56	0.60	*
PL14	32	13	6.28	0.78	0.84	0.07	ns
PL09	20	2	1.22	0.20	0.18	-0.11	ns
PL139	35	19	11.09	0.66	0.91	0.28	*
PL216	27	3	1.93	0.19	0.48	0.61	*
PL119	22	6	4.86	0.36	0.79	0.54	*
Jan_09	N	Na	Ne	Ho	He	F_{IS}	HWE
AG72	26	7	4.10	0.42	0.76	0.44	*
PL03	30	5	2.25	0.33	0.56	0.40	ns
PL14	14	10	4.67	0.50	0.79	0.36	ns
PL09	28	2	1.65	0.54	0.39	-0.37	ns
PL139	29	22	16.99	0.76	0.94	0.19	ns
PL216	28	2	1.65	0.54	0.39	-0.37	ns
PL119	25	20	17.12	0.48	0.94	0.49	*
Sep_10	N	Na	Ne	Ho	He	F_{IS}	HWE
AG72	22	8	3.84	0.50	0.74	0.32	*
PL03	24	5	2.06	0.42	0.51	0.19	ns
PL14	21	11	6.08	0.62	0.84	0.26	ns
PL09	25	2	1.04	0.04	0.04	-0.02	ns
PL139	19	16	10.78	0.47	0.91	0.48	*
PL216	20	19	8.79	0.55	0.89	0.38	*
PL119	21	6	3.68	0.24	0.73	0.67	*



TABLE S4 | (Continued)

Feb_15	N	Na	Ne	Ho	He	F_{IS}	HWE
AG72	16	11	7.53	0.50	0.87	0.42	*
PL03	20	4	1.68	0.10	0.40	0.75	*
PL14	24	7	4.36	0.92	0.77	-0.19	*
PL09	25	5	2.14	0.76	0.53	-0.42	ns
PL139	25	18	12.89	0.56	0.92	0.39	*
PL216	18	4	2.17	0.39	0.54	0.28	*
PL119	25	20	10.25	0.88	0.90	0.02	ns
	N	Na	Ne	Ho	He	F_{IS}	
Mean	24.4	9.3	5.5	0.5	0.7	0.213	
SE	0.9	0.9	0.6	0.03	0.03	0.05	

HOW TO CITE THIS ARTICLE

- Rosa IF, Oliveira DJ, Cruz VP, Ashikaga FY, Costa GO, Doretto LB, Senhorini JA, Rocha RC, Foresti FP, Oliveira C, Foresti F. Temporal genetic structure of a stock of *Prochilodus lineatus* (Characiformes: Prochilodontidae) in the Mogi-Guaçu River ecosystem, São Paulo, Brazil. Neotrop Ichthyol. 2022; 20(2):e210156. <https://doi.org/10.1590/1982-0224-2021-0156>