

TABLE S8 | Number of migrants per generation and effective population size for *Piaractus brachipomus* with microsatellite data. N_m ($4N_e\mu$) above and below the diagonal and N_e ($\Theta/4\mu$) on the diagonal from the maximum value of the confidence interval. μ =mutation taxa for microsatellites 10^{-4} .

Location\ Gene flow	Nm1←X	Nm2←X	Nm3←X	Nm4←X	Nm5←X	Nm6←X	Nm7←X	Nm8←X	Nm9←X	Nm10←X	Nm11←X	Nm12←X	Nm13←X	Nm14←X	Nm15←X
1. Leticia	1,083.3	2.52	2.47	2.48	2.42	2.50	1.70	1.55	1.84	2.76	1.67	2.39	1.76	2.68	3.15
2. La Pedrera	1.76	1.000	2.95	2.93	2.13	2.30	1.60	1.50	2.19	2.61	2.03	2.39	2.02	2.39	2.31
3. Japurá	1.82	1.86	1,583.3	3.00	1.67	1.82	1.70	1.60	2.01	2.10	1.89	3.05	1.37	2.10	2.96
4. Juruá	1.21	1.22	1.94	1,250.0	2.01	2.16	0.85	1.80	1.78	2.32	2.54	2.10	2.47	2.10	2.68
5. Tefé	1.82	2.10	3.33	1.88	958.3	2.09	1.90	1.90	1.15	2.90	1.96	2.32	1.95	2.18	2.31
6. Beruri	2.60	3.00	4.75	1.76	2.70	1,125.0	1.55	1.75	1.78	2.03	2.90	3.55	2.67	2.54	2.68
7. Bocas do Acre	1.63	2.22	3.52	2.18	2.18	1.69	833.3	1.50	1.78	2.63	2.39	2.76	1.69	2.03	2.87
8. Janaúacá	2.02	2.40	3.80	3.08	2.18	2.16	1.75	833.3	2.18	2.61	2.32	2.10	2.67	2.83	1.85
9. Parimé	1.43	2.22	3.51	2.18	1.73	2.36	1.60	1.50	958.3	2.03	2.03	2.97	3.06	1.67	2.59
10. Óbidos	2.80	1.56	2.47	2.93	1.84	1.89	1.20	1.55	1.03	1,208.3	2.90	1.89	1.95	2.47	2.50
11. Borba	2.08	1.98	3.14	3.00	1.61	1.44	1.20	1.45	1.96	2.25	1,208.3	2.54	2.47	1.74	3.33
12. Humaitá	1.56	1.46	2.32	2.25	1.84	1.96	1.30	1.15	2.25	2.39	2.68	1,208.3	1.82	2.25	2.96
13. Guajará-Mirim	1.76	0.86	1.37	1.58	1.23	1.28	1.55	1.95	2.70	1.96	2.83	3.12	1,083.3	2.03	2.96
14. Santarém	2.41	2.70	4.28	1.95	2.30	2.57	0.85	1.95	1.84	2.10	2.18	2.61	2.21	1,208.3	3.15
15. Itaituba	2.02	2.16	3.42	2.70	1.32	1.49	1.35	1.20	1.27	2.10	2.10	2.61	2.21	2.32	1,541.7



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