

SUPPLEMENTARY MATERIAL TABLE S1 | Voucher and accession numbers of samples of *Schizodon dissimilis* and *Prochilodus lacustris* used in this study.

Specie	Locality	Basin	Voucher Number	Accession Number
<i>Schizodon dissimilis</i>	São João dos Patos	Parnaíba	SD02	MK530951
<i>Schizodon dissimilis</i>	São João dos Patos	Parnaíba	SD03	MK530952
<i>Schizodon dissimilis</i>	São João dos Patos	Parnaíba	SD04	MK530953
<i>Schizodon dissimilis</i>	São João dos Patos	Parnaíba	SD05	MK530954
<i>Schizodon dissimilis</i>	São João dos Patos	Parnaíba	SD06	MK530955
<i>Schizodon dissimilis</i>	São João dos Patos	Parnaíba	SD07	MK530956
<i>Schizodon dissimilis</i>	São João dos Patos	Parnaíba	SD08	MK530957
<i>Schizodon dissimilis</i>	São João dos Patos	Parnaíba	SD09	MK530958
<i>Schizodon dissimilis</i>	Nova Iorque	Parnaíba	SE01	MK530959
<i>Schizodon dissimilis</i>	Nova Iorque	Parnaíba	SE02	MK530960
<i>Schizodon dissimilis</i>	Nova Iorque	Parnaíba	SE03	MK530961
<i>Schizodon dissimilis</i>	Nova Iorque	Parnaíba	SE04	MK530962
<i>Schizodon dissimilis</i>	Nova Iorque	Parnaíba	SE05	MK530963
<i>Schizodon dissimilis</i>	Santa Quitéria	Parnaíba	SF01	MK530964
<i>Schizodon dissimilis</i>	Santa Quitéria	Parnaíba	SF02	MK530965
<i>Schizodon dissimilis</i>	Santa Quitéria	Parnaíba	SF03	MK530966
<i>Schizodon dissimilis</i>	Santa Quitéria	Parnaíba	SF04	MK530967
<i>Schizodon dissimilis</i>	Santa Quitéria	Parnaíba	SF05	MK530968
<i>Schizodon dissimilis</i>	Santa Quitéria	Parnaíba	SF06	MK530969
<i>Schizodon dissimilis</i>	Santa Quitéria	Parnaíba	SF08	MK530970
<i>Schizodon dissimilis</i>	Santa Quitéria	Parnaíba	SF09	MK530971
<i>Schizodon dissimilis</i>	Colinas	Itapecuru	SB01	MK530972
<i>Schizodon dissimilis</i>	Colinas	Itapecuru	SB02	MK530973
<i>Schizodon dissimilis</i>	Codó	Itapecuru	SCODÓ1	MK530974
<i>Schizodon dissimilis</i>	Codó	Itapecuru	SCODÓ2	MK530975
<i>Schizodon dissimilis</i>	Codó	Itapecuru	SCODÓ3	MK530976
<i>Schizodon dissimilis</i>	Codó	Itapecuru	SCODÓ4	MK530977
<i>Schizodon dissimilis</i>	Codó	Itapecuru	SCODÓ5	MK530978
<i>Schizodon dissimilis</i>	Codó	Itapecuru	SCODÓ6	MK530979
<i>Schizodon dissimilis</i>	Codó	Itapecuru	SCODÓ7	MK530980
<i>Schizodon dissimilis</i>	Codó	Itapecuru	SCODÓ8	MK530981
<i>Schizodon dissimilis</i>	Rosário	Itapecuru	SJ01	MK530982
<i>Schizodon dissimilis</i>	Rosário	Itapecuru	SJ03	MK530983
<i>Schizodon dissimilis</i>	Rosário	Itapecuru	SJ05	MK530984
<i>Schizodon dissimilis</i>	Pindaré-Mirim	Mearim	SD10	MK530985
<i>Schizodon dissimilis</i>	Pindaré-Mirim	Mearim	SD11	MK530986
<i>Schizodon dissimilis</i>	Pindaré-Mirim	Mearim	SD12	MK530987
<i>Schizodon dissimilis</i>	Buriticupu	Mearim	SG01	MK530988
<i>Schizodon dissimilis</i>	Buriticupu	Mearim	SG02	MK530989
<i>Schizodon dissimilis</i>	Buriticupu	Mearim	SG03	MK530990
<i>Schizodon dissimilis</i>	Buriticupu	Mearim	SG04	MK530991
<i>Schizodon dissimilis</i>	Penalva	Mearim	SI08	MK530992
<i>Schizodon dissimilis</i>	Penalva	Mearim	SI09	MK530993
<i>Schizodon dissimilis</i>	Penalva	Mearim	SI10	MK530994
<i>Schizodon dissimilis</i>	Penalva	Mearim	SI11	MK530995
<i>Schizodon dissimilis</i>	Penalva	Mearim	SI12	MK530996



TABLE S1 | (Continued)

Specie	Locality	Basin	Voucher Number	Accession Number
<i>Schizodon dissimilis</i>	Penalva	Mearim	SI13	MK530997
<i>Schizodon dissimilis</i>	Penalva	Mearim	SI14	MK530998
<i>Schizodon dissimilis</i>	Penalva	Mearim	SI15	MK530999
<i>Schizodon dissimilis</i>	Penalva	Mearim	SI16	MK531000
<i>Schizodon dissimilis</i>	Lago Açu	Mearim	SD13	MK531001
<i>Schizodon dissimilis</i>	Lago Açu	Mearim	SD14	MK531002
<i>Schizodon dissimilis</i>	Lago Açu	Mearim	SD15	MK531003
<i>Schizodon dissimilis</i>	Lago Açu	Mearim	SD16	MK531004
<i>Schizodon dissimilis</i>	Arari	Mearim	SF10	MK531005
<i>Schizodon dissimilis</i>	Arari	Mearim	SF11	MK531006
<i>Schizodon dissimilis</i>	Arari	Mearim	SF12	MK531007
<i>Schizodon dissimilis</i>	Arari	Mearim	SF13	MK531008
<i>Schizodon dissimilis</i>	Arari	Mearim	SF15	MK531009
<i>Schizodon dissimilis</i>	Arari	Mearim	SF16	MK531010
<i>Schizodon dissimilis</i>	Arari	Mearim	SJ08	MK531011
<i>Schizodon dissimilis</i>	Arari	Mearim	SJ09	MK531012
<i>Schizodon dissimilis</i>	Arari	Mearim	SJ10	MK531013
<i>Schizodon dissimilis</i>	Turiaçu	Turiaçu	SI01	MK531014
<i>Schizodon dissimilis</i>	Turiaçu	Turiaçu	SI02	MK531015
<i>Schizodon dissimilis</i>	Turiaçu	Turiaçu	SI03	MK531016
<i>Schizodon dissimilis</i>	Turiaçu	Turiaçu	SI04	MK531017
<i>Schizodon dissimilis</i>	Turiaçu	Turiaçu	SI05	MK531018
<i>Schizodon dissimilis</i>	Turiaçu	Turiaçu	SI06	MK531019
<i>Schizodon dissimilis</i>	Turiaçu	Turiaçu	SI07	MK531020
<i>Prochilodus lacustris</i>	São João dos Patos	Parnaíba	PD01	MK531021
<i>Prochilodus lacustris</i>	São João dos Patos	Parnaíba	PD02	MK531022
<i>Prochilodus lacustris</i>	São João dos Patos	Parnaíba	PD03	MK531023
<i>Prochilodus lacustris</i>	São João dos Patos	Parnaíba	PD04	MK531024
<i>Prochilodus lacustris</i>	São João dos Patos	Parnaíba	PD05	MK531025
<i>Prochilodus lacustris</i>	São João dos Patos	Parnaíba	PD06	MK531026
<i>Prochilodus lacustris</i>	São João dos Patos	Parnaíba	PD07	MK531027
<i>Prochilodus lacustris</i>	São João dos Patos	Parnaíba	PD08	MK531028
<i>Prochilodus lacustris</i>	São João dos Patos	Parnaíba	PD09	MK531029
<i>Prochilodus lacustris</i>	São João dos Patos	Parnaíba	PD10	MK531030
<i>Prochilodus lacustris</i>	São João dos Patos	Parnaíba	PD11	MK531031
<i>Prochilodus lacustris</i>	São João dos Patos	Parnaíba	PD12	MK531032
<i>Prochilodus lacustris</i>	Santa Quitéria	Parnaíba	PF01	MK531033
<i>Prochilodus lacustris</i>	Santa Quitéria	Parnaíba	PF02	MK531034
<i>Prochilodus lacustris</i>	Santa Quitéria	Parnaíba	PF03	MK531035
<i>Prochilodus lacustris</i>	Santa Quitéria	Parnaíba	PF04	MK531036
<i>Prochilodus lacustris</i>	Santa Quitéria	Parnaíba	PF05	MK531037
<i>Prochilodus lacustris</i>	Santa Quitéria	Parnaíba	PF06	MK531038
<i>Prochilodus lacustris</i>	Santa Quitéria	Parnaíba	PF07	MK531039
<i>Prochilodus lacustris</i>	Santa Quitéria	Parnaíba	PF08	MK531040
<i>Prochilodus lacustris</i>	Santa Quitéria	Parnaíba	PF09	MK531041
<i>Prochilodus lacustris</i>	Colinas	Itapecuru	PB01	MK531042
<i>Prochilodus lacustris</i>	Codó	Itapecuru	PCOD001	MK531043



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Specie	Locality	Basin	Voucher Number	Accession Number
<i>Prochilodus lacustris</i>	Codó	Itapecuru	PCODÓ02	MK531044
<i>Prochilodus lacustris</i>	Codó	Itapecuru	PCODÓ03	MK531045
<i>Prochilodus lacustris</i>	Codó	Itapecuru	PCODÓ04	MK531046
<i>Prochilodus lacustris</i>	Codó	Itapecuru	PCODÓ05	MK531047
<i>Prochilodus lacustris</i>	Codó	Itapecuru	PCODÓ06	MK531048
<i>Prochilodus lacustris</i>	Codó	Itapecuru	PCODÓ07	MK531049
<i>Prochilodus lacustris</i>	Codó	Itapecuru	PCODÓ08	MK531050
<i>Prochilodus lacustris</i>	Codó	Itapecuru	PCODÓ09	MK531051
<i>Prochilodus lacustris</i>	Codó	Itapecuru	PCODÓ10	MK531052
<i>Prochilodus lacustris</i>	Codó	Itapecuru	PCODÓ11	MK531053
<i>Prochilodus lacustris</i>	Codó	Itapecuru	PCODÓ12	MK531054
<i>Prochilodus lacustris</i>	Rosário	Itapecuru	SJ01	MK531055
<i>Prochilodus lacustris</i>	Rosário	Itapecuru	SJ02	MK531056
<i>Prochilodus lacustris</i>	Rosário	Itapecuru	SJ03	MK531057
<i>Prochilodus lacustris</i>	Rosário	Itapecuru	SJ04	MK531058
<i>Prochilodus lacustris</i>	Rosário	Itapecuru	SJ05	MK531059
<i>Prochilodus lacustris</i>	Rosário	Itapecuru	SJ06	MK531060
<i>Prochilodus lacustris</i>	Rosário	Itapecuru	SJ07	MK531061
<i>Prochilodus lacustris</i>	Rosário	Itapecuru	SJ08	MK531062
<i>Prochilodus lacustris</i>	Pindaré-Mirim	Mearim	PD13	MK531063
<i>Prochilodus lacustris</i>	Pindaré-Mirim	Mearim	PD14	MK531064
<i>Prochilodus lacustris</i>	Pindaré-Mirim	Mearim	PD15	MK531065
<i>Prochilodus lacustris</i>	Pindaré-Mirim	Mearim	PD16	MK531066
<i>Prochilodus lacustris</i>	Pindaré-Mirim	Mearim	PD17	MK531067
<i>Prochilodus lacustris</i>	Pindaré-Mirim	Mearim	PD18	MK531068
<i>Prochilodus lacustris</i>	Pindaré-Mirim	Mearim	PD19	MK531069
<i>Prochilodus lacustris</i>	Buriticupu	Mearim	PG01	MK531070
<i>Prochilodus lacustris</i>	Buriticupu	Mearim	PG02	MK531071
<i>Prochilodus lacustris</i>	Buriticupu	Mearim	PG03	MK531072
<i>Prochilodus lacustris</i>	Buriticupu	Mearim	PG04	MK531073
<i>Prochilodus lacustris</i>	Buriticupu	Mearim	PG05	MK531074
<i>Prochilodus lacustris</i>	Buriticupu	Mearim	PG06	MK531075
<i>Prochilodus lacustris</i>	Buriticupu	Mearim	PG07	MK531076
<i>Prochilodus lacustris</i>	Buriticupu	Mearim	PG08	MK531077
<i>Prochilodus lacustris</i>	Buriticupu	Mearim	PG09	MK531078
<i>Prochilodus lacustris</i>	Penalva	Mearim	PI01	MK531079
<i>Prochilodus lacustris</i>	Penalva	Mearim	PI02	MK531080
<i>Prochilodus lacustris</i>	Penalva	Mearim	PI03	MK531081
<i>Prochilodus lacustris</i>	Penalva	Mearim	PI04	MK531082
<i>Prochilodus lacustris</i>	Penalva	Mearim	PI05	MK531083
<i>Prochilodus lacustris</i>	Penalva	Mearim	PI06	MK531084
<i>Prochilodus lacustris</i>	Penalva	Mearim	PI07	MK531085
<i>Prochilodus lacustris</i>	Penalva	Mearim	PI08	MK531086
<i>Prochilodus lacustris</i>	Penalva	Mearim	PI09	MK531087
<i>Prochilodus lacustris</i>	Penalva	Mearim	PI10	MK531088
<i>Prochilodus lacustris</i>	Lago Açu	Mearim	PD20	MK531089
<i>Prochilodus lacustris</i>	Lago Açu	Mearim	PD21	MK531090



TABLE S1 | (Continued)

Specie	Locality	Basin	Voucher Number	Accession Number
<i>Prochilodus lacustris</i>	Lago Açu	Mearim	PD22	MK531091
<i>Prochilodus lacustris</i>	Lago Açu	Mearim	PD23	MK531092
<i>Prochilodus lacustris</i>	Lago Açu	Mearim	PD24	MK531093
<i>Prochilodus lacustris</i>	Lago Açu	Mearim	PD25	MK531094
<i>Prochilodus lacustris</i>	Lago Açu	Mearim	PD26	MK531095
<i>Prochilodus lacustris</i>	Lago Açu	Mearim	PD27	MK531096
<i>Prochilodus lacustris</i>	Lago Açu	Mearim	PD28	MK531097
<i>Prochilodus lacustris</i>	Lago Açu	Mearim	PD29	MK531098
<i>Prochilodus lacustris</i>	Lago Açu	Mearim	PD30	MK531099
<i>Prochilodus lacustris</i>	Arari	Mearim	PJ09	MK531100
<i>Prochilodus lacustris</i>	Arari	Mearim	PJ10	MK531101
<i>Prochilodus lacustris</i>	Arari	Mearim	PJ11	MK531102
<i>Prochilodus lacustris</i>	Arari	Mearim	PJ12	MK531103
<i>Prochilodus lacustris</i>	Arari	Mearim	PJ13	MK531104
<i>Prochilodus lacustris</i>	Santa Helena	Turiaçu	PH01	MK531105
<i>Prochilodus lacustris</i>	Santa Helena	Turiaçu	PH02	MK531106
<i>Prochilodus lacustris</i>	Santa Helena	Turiaçu	PH03	MK531107
<i>Prochilodus lacustris</i>	Santa Helena	Turiaçu	PH04	MK531108
<i>Prochilodus lacustris</i>	Santa Helena	Turiaçu	PH05	MK531109
<i>Prochilodus lacustris</i>	Santa Helena	Turiaçu	PH06	MK531110
<i>Prochilodus lacustris</i>	Santa Helena	Turiaçu	PH07	MK531111
<i>Prochilodus lacustris</i>	Santa Helena	Turiaçu	PH08	MK531112
<i>Prochilodus lacustris</i>	Santa Helena	Turiaçu	PH09	MK531113
<i>Prochilodus lacustris</i>	Santa Helena	Turiaçu	PH10	MK531114
<i>Prochilodus lacustris</i>	Tucuruí	Tocantins	PT01	MK531115
<i>Prochilodus lacustris</i>	Tucuruí	Tocantins	PT02	MK531116
<i>Prochilodus lacustris</i>	Tucuruí	Tocantins	PT03	MK531117
<i>Prochilodus lacustris</i>	Tucuruí	Tocantins	PT04	MK531118
<i>Prochilodus lacustris</i>	Tucuruí	Tocantins	PT05	MK531119
<i>Prochilodus lacustris</i>	Tucuruí	Tocantins	PT06	MK531120
<i>Prochilodus lacustris</i>	Tucuruí	Tocantins	PT07	MK531121



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