



Supplementary Material

Complete Mitochondrial Genome Sequence of *Nannostomus beckfordi* and Molecular Phylogenetic Analysis

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Supplementary Table I. Mitochondrial genomes used in the phylogenetic analysis.

Order/ Family	Organism	Length	AT%	ID
Order: Characiformes				
Family: Alestidae				
	<i>Phenacogrammus interruptus</i>	16,652	55.3	AB054129
Family: Anostomidae				
	<i>Abramites hypselonotus</i>	16,685	57.9	MW541938
	<i>Leporinus affinis</i>	16,259	54.9	AP011994
	<i>Megaleporinus elongatus</i>	16,774	57.0	KU980144
	<i>Megaleporinus piavussu</i>	16,682	57.0	KM886569
Family: Bryconidae				
	<i>Brycon henni</i>	16,885	55.5	KP027535
	<i>Brycon nattereri</i>	16,837	58.1	MT428073
	<i>Brycon orbignyanus</i>	16,800	57.2	KM245044
	<i>Salminus brasiliensis</i>	17,721	55.8	KM245047
Family: Chalceidae				
	<i>Chalceus macrolepidotus</i>	16,850	55.8	AB054130
	<i>Aphyocharax rathbuni</i>	16,678	59.6	MT185594
	<i>Astyanax aeneus</i>	16,769	58.8	BK013055
	<i>Astyanax altiparanae</i>	16,730	58.3	MN583176
	<i>Astyanax lacustris</i>	16,763	58.2	MT428067

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Order/ Family	Organism	Length	AT%	ID
	<i>Astyanax mexicanus</i>	16,682	58.8	AP011982
	<i>Deuterodon giton</i>	16,643	59.2	MF805815
	<i>Gephyrocharax atracaudatus</i>	17,049	58.5	MH636341
	<i>Grundulus bogotensis</i>	17,123	60.1	KM677190
	<i>Gymnocorymbus ternetzi</i>	17,999	58.3	MZ363625
	<i>Hemigrammus armstrongi</i>	16,789	58.4	MW742324
	<i>Hemigrammus bleheri</i>	17,021	58.4	MK263671
	<i>Hemigrammus erythrozonus</i>	16,710	57.5	MT484070
	<i>Hemigrammus ocellifer</i>	18,141	60.3	MW768877
	<i>Hydrolycus scomberoides</i>	16,548	52.4	AP011989
	<i>Hyphessobrycon amandae</i>	16,701	57.2	MT484069
	<i>Hyphessobrycon amapaensis</i>	17,824	59.5	MW742322
	<i>Hyphessobrycon anisitsi</i>	16,920	57.4	MW768878
	<i>Hyphessobrycon elachys</i>	17,224	59.3	MW315747
	<i>Hyphessobrycon flammeus</i>	16,008	59.7	MW315748
	<i>Hyphessobrycon herbertaxelrodi</i>	16,841	59.4	MT185595
	<i>Hyphessobrycon megalopterus</i>	16,773	59.5	MT185596
	<i>Hyphessobrycon pulchripinnis</i>	17,020	57.4	MW315750
	<i>Hyphessobrycon roseus</i>	17,046	56.9	MW315749
	<i>Hyphessobrycon socolofi</i>	17,132	58.6	MW742323
	<i>Hyphessobrycon sweglesi</i>	16,080	56.0	MW315751
	<i>Inpaichthys kerri</i>	17,032	60.4	MW342758
	<i>Knodus borki</i>	16,837	58.1	MZ574075
	<i>Moenkhausia costae</i>	15,811	54.7	MW366831

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Order/ Family	Organism	Length	AT%	ID
	<i>Moenkhausia sanctaefilomenae</i>	18,437	60.0	MW407181
	<i>Nematobrycon palmeri</i>	17,340	61.2	MN861079
	<i>Oligosarcus argenteus</i>	16,711	57.6	MF805814
	<i>Paracheirodon axelrodi</i>	17,100	59.0	MH998225
	<i>Paracheirodon innesi</i>	16,962	58.5	KT783482
	<i>Pristella maxillaris</i>	16,753	57.4	MZ488446
	<i>Psalidodon fasciatus</i>	16,400	57.6	MN583177
	<i>Psalidodon paranae</i>	16,707	57.1	KX609386
	<i>Psalidodon rivularis</i>	16,812	57.2	MT428070
	<i>Thayeria boehlkei</i>	16,624	57.9	MW366638
Family: Chilodontidae				
	<i>Chilodus punctatus</i>	16,869	59.9	AP011984
Family: Crenuchidae				
	<i>Crenuchus spilurus</i>	16,361	61.9	AP011986
Family: Ctenoluciidae				
	<i>Boulengerella maculata</i>	16,446	55.5	AB070207
	<i>Ctenolucius hujeta</i>	16,599	57.9	AP011987
Family: Curimatidae				
	<i>Curimata mivartii</i>	16,705	56.8	KP025764
	<i>Curimatopsis evelynae</i>	16,779	56.4	AP011988
Family: Erythrinidae				
	<i>Hoplias intermedius</i>	16,629	56.0	KU523584
	<i>Hoplias malabaricus</i>	16,602	56.3	MN583178
Family: Gasteropelecidae				
	<i>Carnegiella strigata</i>	17,852	64.5	AP011983
Family: Hemiodontidae				
	<i>Hemiodopsis gracilis</i>	16,731	54.9	AP011990
Family: Hepsetidae				
	<i>Hepsetus odoe</i>	16,802	53.1	MH668154
Family: Lebiasinidae				
	<i>Lebiasina astrigata</i>	16,899	57.4	MH921292
	<i>Nannostomus beckfordi</i>	16,742	60.9	OP595703
Family: Parodontidae				
	<i>Apareiodon affinis</i>	16,679	56.6	AP011998
Family: Prochilodontidae				
	<i>Ichthyoelephas longirostris</i>	16,840	54.5	KP025763
	<i>Prochilodus argenteus</i>	16,697	55.5	KR014816
	<i>Prochilodus costatus</i>	16,699	55.5	KY358754
	<i>Prochilodus harttii</i>	16,697	55.6	KY358756

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Order/ Family	Organism	Length	AT%	ID
	<i>Prochilodus lineatus</i>	16,699	55.5	KM245045
	<i>Prochilodus vimboides</i>	16,696	55.4	KY296449
Family: Characin				
	<i>Colossoma macropomum</i>	16,703	54.5	KP188830
	<i>Metynnis hypsauchen</i>	16,737	52.9	MH358334
	<i>Myloplus rubripinnis</i>	16,662	52.7	MH358336
	<i>Piaractus brachypomus</i>	16,722	54.8	KJ993871
	<i>Piaractus mesopotamicus</i>	16,722	54.8	KM245046
Order: Siluriformes				
Family: Callichthyidae				
	<i>Corydoras paleatus</i>	16,593	58.2	MZ571337