

Species	Voucher Numbers	Country	Locality	GenBank Accession numbers		
				CYTB	S7	CO1
Lake Tanganyika						
<i>M. albomaculatus</i>	CU 88756	TZ	Kigoma	FN812953	FN813114	FN813034
<i>M. albomaculatus</i>	CU 89312	TZ	Kigoma	FN812992	FN813122	FN813042
<i>M. albomaculatus</i>	LR 1984	ZM	Kanfonki	FN812954	FN813115	FN813039
<i>M. albomaculatus</i>	LR 1985	ZM	Kanfonki	FN812955	FN813116	FN813040
<i>M. albomaculatus</i>	LR 1987	ZM	Kanfonki	FN812960	FN813117	FN813041
<i>M. albomaculatus</i>	LR 0303	ZM	Mpulungu	FN812956	FN813119	FN813036
<i>M. albomaculatus</i>	LR 1913	ZM	Mpulungu	FN812959	FN813121	FN813037
<i>M. albomaculatus</i>	LR 1905	ZM	Mpulungu	FN812957	FN813120	FN813038
<i>M. albomaculatus</i>	SA 76223	ZM	Katoto	FN812958	FN813118	FN813035
<i>M. cunningtoni</i>	CU 88753	TZ	Kigoma	FN812963	FN813126	FN813044
<i>M. cunningtoni</i>	LR 1922	ZM	Katoto	FN812962	FN813123	FN813046
<i>M. cunningtoni</i>	LR 1981	ZM	Chisanza	FN812961	FN813125	FN813043
<i>M. cunningtoni</i>	LR 2324	ZM	Nsumbu	FN812964	FN813124	FN813045
<i>M. cunningtoni</i>	SA 76255	ZM	Nsumba Island	FN812965	FN813127	-
<i>M. ellipsifer</i>	CU 88748	TZ	Kigoma	FN813000	FN813136	FN813056
<i>M. ellipsifer</i>	LR 0302	ZM	Nkumbula Island	-	FN813131	FN813054
<i>M. ellipsifer</i>	LR 1982	ZM	Misepa	FN812966	FN813128	FN813047
<i>M. ellipsifer</i>	LR 1983	ZM	Misepa	FN812967	FN813133	FN813048
<i>M. ellipsifer</i>	LR 1986	ZM	Kanfonki	FN812968	FN813132	FN813049
<i>M. ellipsifer</i>	LR 2325	ZM	Nsumbu	FN812969	FN813129	FN813050
<i>M. ellipsifer</i>	LR 2326	ZM	Nsumbu	FN812970	FN813134	FN813051
<i>M. ellipsifer</i>	LR 2327	ZM	Nsumbu	FN812971	FN813130	FN813052
<i>M. ellipsifer</i>	SA 76186	ZM	Musende Rocks	FN812994	FN813135	FN813055
<i>M. ellipsifer</i>	SA 79934	ZM	Mbita Island	FN812972	-	FN813053
<i>M. flavidus</i>	SA 79915	ZM	Onzye Point	FN812973	-	FN813057
<i>M. micropectus</i>	SA 77451	ZM	Mbita Island	FN812996	-	FN813059
<i>M. micropectus</i>	SA 79935	ZM	Mbita Island	FN812974	FN813137	FN813058
<i>M. cf. micropectus</i>	SA 80012	ZM	Chimba	FN812995	FN813138	FN813060
<i>M. moorii</i>	CU 88755A	TZ	Kigoma	FN812976	FN813139	FN813062
<i>M. moorii</i>	CU 88755B	TZ	Kigoma	FN812978	FN813140	FN813063
<i>M. moorii</i>	LR 0301	ZM	Mpulungu	FN812975	FN813142	FN813061
<i>M. moorii</i>	SA 76168	ZM	Mbita Island	FN812993	FN813141	FN813065
<i>M. moorii</i>	SA 77448	ZM	Mbita Island	FN812977	-	FN813064
<i>M. ophidium</i>	LR 2320	ZM	Ndole Bay	FN812979	FN813143	FN813066
<i>M. ophidium</i>	LR 2321	ZM	Ndole Bay	FN812980	-	FN813067
<i>M. ophidium</i>	SA 79825	ZM	Cape Kashese	FN812981	FN813144	FN813068
<i>M. ophidium</i>	SA 79899	ZM	Musende Bay	FN812982	FN813145	FN813069
<i>M. plagiostomus</i>	SA 80306	ZM	Kombe	FN812984	FN813149	FN813070
<i>M. platysoma</i>	CU 88754A	TZ	Kigoma	FN812987	FN813147	FN813074
<i>M. platysoma</i>	CU 88754B	TZ	Kigoma	FN812988	FN813148	FN813075
<i>M. platysoma</i>	CU 89311	TZ	Kigoma	FN812991	FN813152	FN813076
<i>M. aff. platysoma</i>	LR 1989	ZM	Kanfonki	FN812985	FN813146	FN813072
<i>M. aff. platysoma</i>	SA 77443	ZM	Mbita Island	FN812986	-	FN813073
<i>M. sp. nov. 1</i>	SA 79846-1	ZM	Cape Kashese	FN812997	FN813153	FN813079
<i>M. sp. nov. 1</i>	SA 79846-2	ZM	Cape Kashese	FN812998	FN813154	FN813080
<i>M. sp. nov. 1</i>	SA 79846-3	ZM	Cape Kashese	FN812999	FN813155	FN813081
<i>M. tanganicae</i>	SA 77450	ZM	Mbita Island	FN812989	FN813150	FN813077
<i>M. tanganicae</i>	SA 79916	ZM	Onzye Point	-	-	FN813078
<i>M. zebratus</i>	CU 88757	TZ	Kigoma	FN812990	FN813151	FN813071
Rest of Africa						
<i>M. brachyrhinus</i>	SA 77712	CAR	Baidou River	FN813017	FN813178	FN813110
<i>M. cryptacanthus</i>	LR 2331	BN	Oueme Delta	FN813015	FN813182	FN813108
<i>M. cryptacanthus</i>	LR 2332	BN	Iguidi/Langbe	FN813016	FN813183	FN813109
<i>M. frenatus</i>	CU 93791-1047	TZ	Idete River	FN813001	FN813161	FN813085
<i>M. frenatus</i>	CU 93791-1048	TZ	Idete River	FN813002	FN813162	FN813086
<i>M. frenatus</i>	CU 90393	TZ	Malagarasi River	FN813009	FN813159	FN813087
<i>M. frenatus</i>	CU 90415	TZ	Malagarasi River	FN813010	FN813160	FN813088
<i>M. frenatus</i>	SA 83188-1	TZ	Malagarasi River	FN813003	FN813164	FN813083
<i>M. frenatus</i>	SA 83188-2	TZ	Malagarasi River	FN813004	FN813163	FN813084
<i>M. cf. frenatus</i>	SA 81489	DRC	Luapula River	FN813023	FN813165	FN813089
<i>M. cf. frenatus</i>	SA 81542	DRC	Luapula River	FN813022	FN813166	FN813090
<i>M. cf. frenatus</i>	SA 73321	ZM	Maheba River	FN813005	-	-
<i>M. nigromarginatus</i>	LR 2330	BF	Bougouriba, Drebourgou	FN813027	FN813172	FN813099
<i>M. shiranus</i>	SA 78373-1	MW	Rukuru, Lake Malawi	FN813006	FN813158	FN813091
<i>M. shiranus</i>	SA 78373-2	MW	Rukuru, Lake Malawi	FN813007	FN813156	FN813092
<i>M. shiranus</i>	SA 78373-3	MW	Rukuru, Lake Malawi	FN813008	FN813157	FN813093
<i>M. signatus</i>	SA 76807	ZM	Lake Bangweulu	FN813025	FN813173	FN813100
<i>M. signatus</i>	SA 77063	ZM	Chambeshi River	FN813020	-	FN813101
<i>M. stappersii</i>	SA 76901	ZM	Luongo River	FN813026	FN813175	FN813102
<i>M. stappersii</i>	SA 77192	ZM	Kalungwishi River	FN813021	FN813176	FN813103
<i>M. stappersii</i>	CU 91108	ZM	Lufubu River	FN813019	FN813174	FN813104

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				CYTB	S7	CO1
<i>M. taiaensis</i>	Tissue only (JJD5519)	SL	Bumbuna, Rokel River	FN813012	FN813179	FN813105
<i>M. taiaensis</i>	BMNH 2007.8.29.4	SL	Bumbuna, Rokel River	FN813013	FN813180	FN813106
<i>M. taiaensis</i>	BMNH 2007.8.29.5	SL	Bumbuna, Rokel River	FN813014	FN813181	FN813107
<i>M. vanderwaali</i>	SA 85552-1	NB	Katima, Zambezi River	FN813028	FN813167	FN813094
<i>M. vanderwaali</i>	SA 85552-2	NB	Katima, Zambezi River	FN813029	FN813168	FN813095
<i>M. vanderwaali</i>	SA 85552-3	NB	Katima, Zambezi River	FN813030	FN813169	FN813096
<i>M. vanderwaali</i>	SA 83856	NB	Katima, Zambezi River	FN813031	FN813170	FN813097
<i>M. sp.</i>	CU 93446	CR	Djerem River	FN813024	FN813184	FN813111
<i>M. sp. nov. 2</i>	SA 77238	ZM	Kalungwishi River	FN813018	FN813177	FN813082
<i>M. sp. nov. 3</i>	SA 85576	NB	Popa Falls	FN813011	FN813171	FN813098
Asian outgroups						
<i>M. armatus</i>	LR 2098	MY	-	FN813032	FN813185	FN813112
<i>Macrognaathus zebrinus</i>	LR 2099	MY	-	FN813033	FN813186	FN813113
Outgroups for dating						
<i>Channa bleheri</i>	N/A	N/A	N/A	AY763770	-	-
<i>Channa maculata</i>	N/A	N/A	N/A	AF479271	-	-
<i>Channa marulia</i>	N/A	N/A	N/A	AY763771	-	-
<i>Channa micropeltes</i>	N/A	N/A	N/A	AF012785	-	-
<i>Channa striata</i>	N/A	N/A	N/A	AF012789	-	-
<i>Parachanna insignis</i>	N/A	N/A	N/A	Unpublished	-	-
<i>Parachanna obscura</i>	N/A	N/A	N/A	AY763772	-	-

Abbreviations: *M.*, *Mastacembelus*; BMNH, The Natural History Museum, London; SA, South African Institute of Aquatic Biodiversity (SAIAB); CU, Cornell University Museum of Zoology; LR, collected by Lukas Rüber (held at Natural History Museum, London).

Country codes: BF, Burkina Faso; BN, Benin; CAR, Central African Republic; CR, Cameroon; DRC, Democratic Republic of Congo; MW, Malawi; MY, Myanmar; NB, Namibia; SL, Sierra Leone; TZ, Tanzania; ZM, Zambia.

Lake Tanganyika locality name variations: Sumba Island, Sumbu Island; Mbita Island, Nkumbula Island; Onzye Point, Wonzye Point; Cape Kashese, Cape Kachese.