

Table 1. Specimen information, geographic origin and GenBank accession numbers of all taxa included in this study. This table lists the species and tribe names, geographic origin, source of specimens, names of collectors and collection numbers (if available), and GenBank accession numbers for both mitochondrial gene segments. The taxa that are included in Fig. 3 are marked by a circle, specific taxon labels in Fig. 3 are depicted in the "Label" column. The clade names according to Figs. 2 and 3 are shown in the last column. Tribe names are according to Poll [7].

abbreviations: Aa... Astatoreochromis alluaudi lineage, CSA... Congolese/South African lineage, LMF... Lake Malawi species flock, LVS... Lake Victoria Region Superflock, MO... Malagarasi Orthochromis assemblage, EAR... East African riverine cichlids, Ps... Pseudocrenilabrus lineage, Tr... Tropheini, LT... Lake Tanganyika species flock

* * * * * Taxonomy * * * * *		* * * * * Sample Information * * * * *			* GenBank accession number				
Tribe	Taxon	Origin	Source	Collector (Collection Number)	control region	ND2	Fig. 2	Label	Clade
Cyprichromini	<i>Cyprichromis</i> sp. "Jumbo"	Lake Tanganyika	Salzburger et al. 2002 [9]	n/a	AF400699	AF398224	*		LT
	<i>Paracyprichromis brieri</i>	Lake Tanganyika	Salzburger et al. 2002 [9]	n/a	AF400700	AF398223	*		LT
Ectodini	<i>Ectodus descampsi</i>	Lake Tanganyika	Salzburger et al. 2002 [9]/Koblmüller et al. 2004 [35]	n/a	AF400703	AY337790	*		LT
	<i>Xenotilapia sima</i>	Lake Tanganyika	Salzburger et al. 2002 [9]/Kocher et al. 1995 [15]	n/a	AF400706	U07270	*		LT
Eretmodini	<i>Eretmodus cyanostictus</i>	Lake Tanganyika	Salzburger et al. 2002 [9]	n/a	AF400707	AF398220	*		LT
	<i>Spathodus erythrodon</i>	Lake Tanganyika	Salzburger et al. 2002 [9]	n/a	AF400708	AF398218	*		LT
	<i>Tanganicodus irsacae</i>	Lake Tanganyika	Salzburger et al. 2002 [9]	n/a	AF400709	AF398219	*		LT
Haplochromini	<i>Astatoreochromis alluaudi</i>	Lake Victoria Region (L. Kanyaboli)	this study	R. Abila (R281-2002)	AY929969	AY930075	*	II	Aa
	<i>Astatoreochromis alluaudi</i>	Lake Victoria Region	Nagl et al. 2000 [25]	n/a	AF213618	-			Aa
	<i>Astatoreochromis alluaudi</i>	Lake Victoria Region (L. Kanyaboli)	this study	R. Abila (R575-2002)	AY929997	-			Aa
	<i>Astatoreochromis alluaudi</i>	Lake Victoria Region (L. Kanyaboli)	this study	R. Abila (R192-2002)	AY929996	-			Aa
	<i>Astatoreochromis alluaudi</i>	Lake Victoria Region (L. Kanyaboli)	this study	R. Abila (R101-2002)	AY929966	AY930071	*	I	Aa
	<i>Astatoreochromis alluaudi</i>	Lake Victoria Region (L. Kanyaboli)	this study	R. Abila (R044-2002)	AY929995	-			Aa
	<i>Astatoreochromis alluaudi</i>	Lake Victoria Region (L. Kanyaboli)	this study	R. Abila (R576-2002)	AY929998	-			Aa
	<i>Astatoreochromis alluaudi</i>	Lake Victoria Region	Nagl et al. 2000 [25]	n/a	AF213616	-			Aa
	<i>Astatotilapia burtoni</i>	Lake Tanganyika	Salzburger et al. 2002 [9]/Klett & Meyer 2002 [16]	n/a	AF400710	AF317266	*	I	EAR
	<i>Astatotilapia burtoni</i>	Lake Tanganyika	this study	aquarium, T62	AY930000	-			EAR
	<i>Astatotilapia burtoni</i>	Lake Tanganyika	this study	aquarium, T63	AY930001	-			EAR
	<i>Astatotilapia burtoni</i>	Lake Tanganyika	this study	aquarium, H19	AY929999	-			EAR
	<i>Astatotilapia burtoni</i>	Lake Tanganyika	this study	L. De Vos (31-02/6/92). T34	AY929955	AY930060	*	II	EAR
	<i>Astatotilapia calliptera</i>	Lake Malawi	this study	I. Kornfield (A22)	AY929977	AY930090	*	III	LMF
	<i>Astatotilapia calliptera</i>	Lake Malawi	Shaw et al. 2000 [62]	n/a	AF298938	AF305277	*	II	LMF
	<i>Astatotilapia calliptera</i>	Lake Malawi	Shaw et al. 2000 [62]	n/a	AF298940	AF305279	*	I	LMF
	<i>Astatotilapia calliptera</i>	Lake Malawi	Shaw et al. 2000 [62]	n/a	AF298941	-			LMF
	<i>Astatotilapia nubila</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213524	-			LVS
	<i>Astatotilapia nubila</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213536	-			LVS
	<i>Astatotilapia</i> sp.	Lake Victoria Region (L. Kanyaboli)	this study	R. Abila (R184-2002)	AY929967	AY930072	*	II	LVS
	<i>Astatotilapia</i> sp.	Lake Victoria Region (L. Kanyaboli)	this study	R. Abila (R185-2002)	AY930045	AY930073	*	I	LVS
	<i>Astatotilapia</i> sp.	Lake Victoria Region (L. Kanyaboli)	this study	R. Abila (R183-2002)	AY930003	-			LVS
	<i>Astatotilapia</i> sp.	Lake Victoria Region (L. Kanyaboli)	this study	R. Abila (R182-2002)	AY930002	-			LVS
	<i>Astatotilapia velifer</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213550	-			LVS
	<i>Astatotilapia velifer</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213551	-			LVS
	<i>Astatotilapia velifer</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213552	-			LVS
	<i>Astatotilapia velifer</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213553	-			LVS
	<i>Aulonocara</i> sp "gold"	Lake Malawi	Shaw et al. 2000 [62]	n/a	AF398947	AF305286	*		LMF
	<i>Cheilochromis euchilus</i>	Lake Malawi	this study	I. Kornfield	AY929979	AY930092	*		LMF
	<i>Copadichromis virginalis</i>	Lake Malawi	Shaw et al. 2000 [62]	n/a	AF298944	AF305283	*		LMF
	<i>Copadichromis virginalis</i>	Lake Malawi	Shaw et al. 2000 [62]	n/a	AF298943	AF305282	*		LMF
	<i>Ctenochromis horei</i>	Lake Tanganyika	this study	C. Sturmbauer/W. Salzburger	AY929987	AY930100	*		Tr
	<i>Ctenochromis oligacanthus</i>	Congo River	Klett & Meyer 2002 [16]	n/a	-	AF416779	*		CSA
	<i>Cyclopharynx fwae</i>	Lake Fwa area, Congo Drainage	Salzburger et al. 2002 [9]	n/a	AF400711	-			CSA
	<i>Cyclopharynx fwae</i>	Lake Fwa area, Congo Drainage	this study	U. Schliewen	AY929986	AY930099	*		CSA
	<i>Cyrtocara moorii</i>	Lake Malawi	Lee et al. 1995 [80]	n/a	U12554	-			LMF
	<i>Cyrtocara moorii</i>	Lake Malawi	this study	I. Kornfield	AY929976	AY930089	*		LMF
	<i>Cyrtocara moorii</i>	Lake Malawi	this study	aquarium	AY930004	-			LMF
	<i>Diplotaxodon greenwoodi</i>	Lake Malawi	Shaw et al. 2000 [62]	n/a	AF298930	AF305269	*		LMF
	<i>Diplotaxodon limnothrissa</i>	Lake Malawi	Shaw et al. 2000 [62]	n/a	AF298922	AF305261	*		LMF

<i>Haplochromis adolffrederici</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226715	-	LVS
<i>Haplochromis astatodon</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226650	-	LVS
<i>Haplochromis astatodon</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226669	-	LVS
<i>Haplochromis astatodon</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226631	-	LVS
<i>Haplochromis astatodon</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226697	-	LVS
<i>Haplochromis astatodon</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226651	-	LVS
<i>Haplochromis astatodon</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226632	-	LVS
<i>Haplochromis astatodon</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226654	-	LVS
<i>Haplochromis astatodon</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226692	-	LVS
<i>Haplochromis astatodon</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226652	-	LVS
<i>Haplochromis astatodon</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226691	-	LVS
<i>Haplochromis bloeyti</i>	Lukaware River, Kenya	this study	L. De Vos (F2A-12/93)	AY929953	AY930058	• EAR
<i>Haplochromis crebridens</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226714	-	LVS
<i>Haplochromis gracillor</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226790	-	EAR
<i>Haplochromis gracillor</i>	Lake Kivu	Verheyen et al. 2003 [4]/this study	E. Verheyen; K8	AY226788	AY930078	• EAR
<i>Haplochromis gracillor</i>	Lake Kivu	Verheyen et al. 2003 [4]/this study	E. Verheyen; K9	AY226789	AY930079	• EAR
<i>Haplochromis graueri</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226648	-	LVS
<i>Haplochromis graueri</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226668	-	LVS
<i>Haplochromis graueri</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226649	-	LVS
<i>Haplochromis insidiae</i>	Lake Kivu	Verheyen et al. 2003 [4]/this study	E. Verheyen	AY226675	AY930077	• LVS
<i>Haplochromis insidiae</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226627	-	LVS
<i>Haplochromis lividus</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213523	-	LVS
<i>Haplochromis microchrysomelas</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226695	-	LVS
<i>Haplochromis nigroides/scheffersi</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226629	-	LVS
<i>Haplochromis obliquidens</i>	Lake Victoria	this study	aquarium	AY929984	AY930097	• LVS
<i>Haplochromis occultidens</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226666	-	LVS
<i>Haplochromis paludinosus</i>	Nanganga, Burundi	this study	L. De Vos (T2-5/27/93)	AY929994	AY930107	• EAR
<i>Haplochromis paucidens</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226687	-	LVS
<i>Haplochromis paucidens</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226634	-	LVS
<i>Haplochromis paucidens</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226712	-	LVS
<i>Haplochromis paucidens</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226640	-	LVS
<i>Haplochromis paucidens</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226689	-	LVS
<i>Haplochromis paucidens</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226641	-	LVS
<i>Haplochromis paucidens</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226693	-	LVS
<i>Haplochromis paucidens</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226694	-	LVS
<i>Haplochromis rubescens</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226717	-	LVS
<i>Haplochromis sauvagei</i>	Lake Victoria (Kisumu, Kenya)	this study	L. De Vos (F2B-12/93)	AY929954	AY930059	• II LVS
<i>Haplochromis sauvagei</i>	Lake Victoria	this study	A. Meyer, T44	AY929958	AY930063	• I LVS
<i>Haplochromis scheffersi</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226647	-	LVS
<i>Haplochromis scheffersi</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226667	-	LVS
<i>Haplochromis sp.</i>	Lake Mburo, Uganda	Verheyen et al. 2003 [4]/this study	E. Schraml (9796)	AY226780	AY930082	• II LVS
<i>Haplochromis sp.</i>	Lake Ruvihinda, Burundi	this study	L. De Vos (T18-Aug 93)	AY930008	-	LVS
<i>Haplochromis sp.</i>	Lake Victoria	this study	A. Meyer (V7-Feb 93)	AY929960	AY930065	• I LVS
<i>Haplochromis sp.</i>	Lake Victoria	this study	A. Meyer (V12-Feb 93)	AY930009	-	LVS
<i>Haplochromis sp.</i>	Lake Victoria	this study	A. Meyer (V24-Feb 93)	AY930010	-	LVS
<i>Haplochromis sp.</i>	Lake Victoria	this study	A. Meyer (V25-Feb 93)	AY930011	-	LVS
<i>Haplochromis sp.</i>	Lake Victoria	this study	A. Meyer (V29-Feb 93)	AY930012	-	LVS
<i>Haplochromis sp.</i>	Lake Victoria Region (L. Kanyaboli)	this study	R. Abila (R612-2002)	AY930013	-	LVS
<i>Haplochromis sp.</i>	Lake Victoria Region (L. Kanyaboli)	this study	R. Abila (R613-2002)	AY930014	-	LVS
<i>Haplochromis sp.</i>	Tanzania	this study	L. Seegers (92/12)	AY930015	-	LVS
<i>Haplochromis sp.</i>	Tanzania	this study	L. Seegers (93/11B)	AY930016	-	EAR
<i>Haplochromis sp.</i>	Tanzania	this study	L. De Vos (H62)	AY929988	AY930101	• Tanzania IV LVS
<i>Haplochromis sp.</i>	Tanzania	this study	L. De Vos (H63)	AY929989	AY930102	• Tanzania V LVS
<i>Haplochromis sp.</i>	Tanzania	this study	L. Seegers (93/3)	AY929990	AY930103	• Tanzania II EAR
<i>Haplochromis sp.</i>	Tanzania	this study	L. Seegers (93/40)	AY929991	AY930104	• Tanzania I EAR
<i>Haplochromis sp.</i>	Tanzania	this study	L. Seegers (93/8)	AY929992	AY930105	• Tanzania II EAR
<i>Haplochromis sp.</i>	Upper Rusizi River, Burundi	this study	L. De Vos (T13-Aug 93)	AY929983	AY930096	• LVS
<i>Haplochromis sp.</i>	Lower Rusizi River, Burundi	this study	L. De Vos (T9-Aug 93)	AY930017	-	LVS
<i>Haplochromis sp.</i>	Lake Victoria Region (L. Kanyaboli)	this study	R. Abila (R096-2002)	AY930018	-	LVS
<i>Haplochromis sp.</i>	Kazinga (Lakes Edward/George)	Nagl et al. 2000 [25]	n/a	AF213609	-	EAR

<i>Haplochromis</i> sp.	Lake Albert	Nagl et al. 2000 [25]	n/a	AF213573	-	LVS
<i>Haplochromis</i> sp.	Lake Albert	Nagl et al. 2000 [25]	n/a	AF213571	-	LVS
<i>Haplochromis</i> sp.	Lake Albert	Nagl et al. 2000 [25]	n/a	AF213574	-	LVS
<i>Haplochromis</i> sp.	Lake Albert	Nagl et al. 2000 [25]	n/a	AF213572	-	LVS
<i>Haplochromis</i> sp.	Lake Babati	Nagl et al. 2000 [25]	n/a	AF213606	-	EAR
<i>Haplochromis</i> sp.	Lake Bunyoni, Uganda	Verheyen et al. 2003 [4]	n/a	AY226773	-	LVS
<i>Haplochromis</i> sp.	Lake Bunyoni, Uganda	Verheyen et al. 2003 [4]	n/a	AY226784	-	LVS
<i>Haplochromis</i> sp.	Lake Chala, Tanzania	Nagl et al. 2000 [25]	n/a	AF213605	-	EAR
<i>Haplochromis</i> sp.	Lake Cohoha, Burundi	Verheyen et al. 2003 [4]	n/a	AY226725	-	LVS
<i>Haplochromis</i> sp.	Lake Cohoha, Burundi	Verheyen et al. 2003 [4]	n/a	AY226720	-	LVS
<i>Haplochromis</i> sp.	Lake Cohoha, Burundi	Verheyen et al. 2003 [4]	n/a	AY226726	-	LVS
<i>Haplochromis</i> sp.	Lake Cohoha, Burundi	Verheyen et al. 2003 [4]	n/a	AY226719	-	LVS
<i>Haplochromis</i> sp.	Lake Edward	Nagl et al. 2000 [25]	n/a	AF213564	-	LVS
<i>Haplochromis</i> sp.	Lake Edward	Nagl et al. 2000 [25]	n/a	AF213565	-	LVS
<i>Haplochromis</i> sp.	Lake Edward	Nagl et al. 2000 [25]	n/a	AF213569	-	LVS
<i>Haplochromis</i> sp.	Lake Edward	Nagl et al. 2000 [25]	n/a	AF213566	-	LVS
<i>Haplochromis</i> sp.	Lake Edward	Nagl et al. 2000 [25]	n/a	AF213577	-	LVS
<i>Haplochromis</i> sp.	Lake Edward	Nagl et al. 2000 [25]	n/a	AF213568	-	LVS
<i>Haplochromis</i> sp.	Lake Edward	Verheyen et al. 2003 [4]	n/a	AY226737	-	LVS
<i>Haplochromis</i> sp.	Lake Edward	Verheyen et al. 2003 [4]	n/a	AY226758	-	LVS
<i>Haplochromis</i> sp.	Lake George	Nagl et al. 2000 [25]	n/a	AF213611	-	EAR
<i>Haplochromis</i> sp.	Lake George	Nagl et al. 2000 [25]	n/a	AF213612	-	EAR
<i>Haplochromis</i> sp.	Lake George	Nagl et al. 2000 [25]	n/a	AF213610	-	EAR
<i>Haplochromis</i> sp.	Lake George	Nagl et al. 2000 [25]	n/a	AF213563	-	LVS
<i>Haplochromis</i> sp.	Lake George	Nagl et al. 2000 [25]	n/a	AF213559	-	LVS
<i>Haplochromis</i> sp.	Lake George	Nagl et al. 2000 [25]	n/a	AF213562	-	LVS
<i>Haplochromis</i> sp.	Lake George	Nagl et al. 2000 [25]	n/a	AF213560	-	LVS
<i>Haplochromis</i> sp.	Lake Manyara, Tanzania	Nagl et al. 2000 [25]	n/a	AF213607	-	EAR
<i>Haplochromis</i> sp.	Lake Mburo, Uganda	Verheyen et al. 2003 [4]	n/a	AY226749	-	LVS
<i>Haplochromis</i> sp.	Lake Mugogo, Uganda	Verheyen et al. 2003 [4]	n/a	AY226731	-	LVS
<i>Haplochromis</i> sp.	Lake Nawampasa, Uganda	Verheyen et al. 2003 [4]	n/a	AY226761	-	LVS
<i>Haplochromis</i> sp.	Lake Nawampasa, Uganda	Verheyen et al. 2003 [4]	n/a	AY226766	-	LVS
<i>Haplochromis</i> sp.	Lake Nyamusingire, Uganda	Verheyen et al. 2003 [4]	n/a	AY226755	-	LVS
<i>Haplochromis</i> sp.	Lake Victoria	Verheyen et al. 2003 [4]	n/a	AY226779	-	LVS
<i>Haplochromis</i> sp.	Lake Victoria	Verheyen et al. 2003 [4]	n/a	AY226762	-	LVS
<i>Haplochromis</i> sp.	Lake Victoria	Verheyen et al. 2003 [4]	n/a	AY226727	-	LVS
<i>Haplochromis</i> sp.	Lake Victoria	Verheyen et al. 2003 [4]	n/a	AY226767	-	LVS
<i>Haplochromis</i> sp.	Lake Victoria Region	Nagl et al. 2000 [25]	n/a	AF213588	-	LVS
<i>Haplochromis</i> sp.	Lake Victoria Region	Nagl et al. 2000 [25]	n/a	AF213582	-	LVS
<i>Haplochromis</i> sp.	Lake Victoria Region	Nagl et al. 2000 [25]	n/a	AF213583	-	LVS
<i>Haplochromis</i> sp.	Lake Victoria Region	Nagl et al. 2000 [25]	n/a	AF213581	-	LVS
<i>Haplochromis</i> sp.	Lakes Edward/George	Nagl et al. 2000 [25]	n/a	AF213557	-	LVS
<i>Haplochromis</i> sp.	Lakes Edward/George	Nagl et al. 2000 [25]	n/a	AF213561	-	LVS
<i>Haplochromis</i> sp.	Lakes Edward/George	Nagl et al. 2000 [25]	n/a	AF213558	-	LVS
<i>Haplochromis</i> sp.	Lakes Edward/George	Nagl et al. 2000 [25]	n/a	AF213566	-	LVS
<i>Haplochromis</i> sp.	Lakes Edward/George	Nagl et al. 2000 [25]	n/a	AF213584	-	LVS
<i>Haplochromis</i> sp.	Lakes Edward/George	Nagl et al. 2000 [25]	n/a	AF213570	-	LVS
<i>Haplochromis</i> sp.	Lakes Edward/George	Nagl et al. 2000 [25]	n/a	AF213586	-	LVS
<i>Haplochromis</i> sp.	Lakes Edward/George	Nagl et al. 2000 [25]	n/a	AF213585	-	LVS
<i>Haplochromis</i> sp.	Lakes Edward/George	Nagl et al. 2000 [25]	n/a	AF213587	-	LVS
<i>Haplochromis</i> sp.	Lakes Lutoto/Edward	Nagl et al. 2000 [25]	n/a	AF213567	-	LVS
<i>Haplochromis</i> sp.	Lakes Lutoto/Edward	Nagl et al. 2000 [25]	n/a	AF213575	-	LVS
<i>Haplochromis</i> sp.	Lakes Lutoto/Edward	Nagl et al. 2000 [25]	n/a	AF213576	-	LVS
<i>Haplochromis</i> sp.	Lakes Nshere/George	Nagl et al. 2000 [25]	n/a	AF213579	-	LVS
<i>Haplochromis</i> sp.	Lakes Nshere/George	Nagl et al. 2000 [25]	n/a	AF213587	-	LVS
<i>Haplochromis</i> sp.	Lakes Nshere/George	Nagl et al. 2000 [25]	n/a	AF213580	-	LVS
<i>Haplochromis</i> sp.	Lupa River, Tanzania	Nagl et al. 2000 [25]	n/a	AF213595	-	EAR
<i>Haplochromis</i> sp.	Malagarazi River	Nagl et al. 2000 [25]	n/a	AF213590	-	EAR
<i>Haplochromis</i> sp.	Malagarazi River	Nagl et al. 2000 [25]	n/a	AF213591	-	EAR
<i>Haplochromis</i> sp.	Malagarazi River	Nagl et al. 2000 [25]	n/a	AF213592	-	EAR
<i>Haplochromis</i> sp.	Malagarazi River	Nagl et al. 2000 [25]	n/a	AF213589	-	EAR

<i>Haplochromis</i> sp.	Malagarazi River	Nagl et al. 2000 [25]	n/a	AF213593	-	EAR
<i>Haplochromis</i> sp.	Malagarazi River	Nagl et al. 2000 [25]	n/a	AF213594	-	EAR
<i>Haplochromis</i> sp.	Malagarazi River	Nagl et al. 2000 [25]	n/a	AF213613	-	EAR
<i>Haplochromis</i> sp.	Malagarazi River	Nagl et al. 2000 [25]	n/a	AF213608	-	EAR
<i>Haplochromis</i> sp.	Malagarazi River	Nagl et al. 2000 [25]	n/a	AF213614	-	EAR
<i>Haplochromis</i> sp.	Myunga River, Tanzania	Nagl et al. 2000 [25]	n/a	AF213556	-	EAR
<i>Haplochromis</i> sp.	Pangani River, Tanzania	Nagl et al. 2000 [25]	n/a	AF213600	-	EAR
<i>Haplochromis</i> sp.	Pangani River, Tanzania	Nagl et al. 2000 [25]	n/a	AF213599	-	EAR
<i>Haplochromis</i> sp.	Pangani River, Tanzania	Nagl et al. 2000 [25]	n/a	AF213604	-	EAR
<i>Haplochromis</i> sp.	Piti River, Tanzania	Nagl et al. 2000 [25]	n/a	AF213598	-	EAR
<i>Haplochromis</i> sp.	Piti River, Tanzania	Nagl et al. 2000 [25]	n/a	AF213596	-	EAR
<i>Haplochromis</i> sp.	Piti River, Tanzania	Nagl et al. 2000 [25]	n/a	AF213597	-	EAR
<i>Haplochromis</i> sp.	Victoria Nile River	Verheyen et al. 2003 [4]	n/a	AY226734	-	LVS
<i>Haplochromis</i> sp.	Wogo River/Lake Rukwa	Nagl et al. 2000 [25]	n/a	AF213602	-	EAR
<i>Haplochromis</i> sp.	Wogo River/Lake Rukwa	Nagl et al. 2000 [25]	n/a	AF213603	-	EAR
<i>Haplochromis</i> sp.	Wogo River/Lake Rukwa	Nagl et al. 2000 [25]	n/a	AF213601	-	EAR
<i>Haplochromis</i> sp.	Wogo River/Lake Rukwa	Nagl et al. 2000 [25]	n/a	AF213555	-	EAR
<i>Haplochromis</i> sp. "Dwarf Big Eye"	Lake Victoria Region (L. Kanyaboli)	this study	R. Abila (R280-2002)	AY929968	AY930074	LVS
<i>Haplochromis</i> sp. "Dwarf Big Eye"	Lake Victoria Region (L. Kanyaboli)	this study	R. Abila (R193-2002)	AY930042	-	LVS
<i>Haplochromis</i> sp. "Dwarf Big Eye"	Lake Victoria Region (L. Kanyaboli)	this study	R. Abila (R048-2002)	AY930043	-	LVS
<i>Haplochromis</i> sp. "oblique mouth"	Lake Cohoha, Burundi	this study	L. De Vos (T10-Aug 93)	AY930041	-	LVS
<i>Haplochromis</i> sp. "rockkribensis"	Lake Victoria	this study	O. Seehausen	AY390039	-	LVS
<i>Haplochromis</i> sp. "rockkribensis"	Lake Victoria	this study	O. Seehausen	AY390040	-	LVS
<i>Haplochromis</i> sp. "rockkribensis"	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213541	-	LVS
<i>Haplochromis</i> sp. "rockkribensis"	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213554	-	LVS
<i>Haplochromis</i> sp. "rockkribensis"	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213542	-	LVS
<i>Haplochromis</i> sp. "small red"	Lake Cohoha, Burundi	this study	L. De Vos (T11-Aug 93)	AY930036	-	LVS
<i>Haplochromis</i> sp. "small red"	Lake Rweru, Burundi	this study	L. De Vos (T16-Aug 93)	AY930038	-	LVS
<i>Haplochromis</i> sp. "thick lips"	Lake Cohoha, Burundi	this study	L. De Vos (T12-93)	AY930037	-	LVS
<i>Haplochromis</i> sp. <i>crebridens/olivaceus</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226623	-	LVS
<i>Haplochromis</i> sp. <i>crebridens/olivaceus</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226704	-	LVS
<i>Haplochromis</i> sp. <i>crebridens/olivaceus</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226646	-	LVS
<i>Haplochromis</i> sp. <i>crebridens/olivaceus</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226645	-	LVS
<i>Haplochromis</i> sp. <i>crebridens/olivaceus</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226642	-	LVS
<i>Haplochromis</i> sp. <i>crebridens/olivaceus</i>	Lake Kivu	Verheyen et al. 2003 [4]	n/a	AY226670	-	LVS
<i>Haplochromis</i> sp. <i>nov</i>	Kisangani (Lualaba River), DR Congo	this study	L. De Vos (6/13/95)	AY929957	AY930062	CSA
<i>Haplochromis</i> sp. <i>velvet black</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213543	-	LVS
<i>Haplochromis squamipinnis</i>	Lake Edward	Verheyen et al. 2003 [4]/this study	E. Schraml (9813)	AY226747	AY930083	LVS
<i>Haplochromis stappersi</i>	Malagarazi River	this study	L. De Vos (5-6/25/92)	AY929941	AY930046	LVS
<i>Labetropheus trevawasae</i>	Lake Malawi	Nagl et al. 2000 [25]	n/a	AF213623	-	LMF
<i>Lethrinops auritus</i>	Lake Malawi	Lee et al. 1995/Kocher et al. 1995 [15]	n/a	U12551	U07252	LMF
<i>Lethrinops furcifer</i>	Lake Malawi	Shaw et al. 2000 [62]	n/a	AF298977	AF305316	LMF
<i>Lethrinops longipinnis</i>	Lake Malawi	Shaw et al. 2000 [62]	n/a	AF298956	AF305296	LMF
<i>Lipochromis maxillaris</i>	Lake Victoria Region (L. Kanyaboli)	this study	R. Abila (R542-2002)	AY930034	-	LVS
<i>Lipochromis melanopterus</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213527	-	LVS
<i>Macropheurodus bicolor</i>	Lake Victoria	this study	A. Meyer (Mb2-Feb 33); T47	AY930007	-	LVS
<i>Melanochromis auratus</i>	Lake Malawi	this study	aquarium	AY929964	AY930069	LMF
<i>Neochromis nigricans</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213528	-	LVS
<i>Neochromis nigricans</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213545	-	LVS
<i>Neochromis nigricans</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213544	-	LVS
<i>Neochromis nigricans</i>	Lake Victoria (Makobe Island)	this study	O. Seehausen (Ma 8/1-Dec. 93)	AY930006	-	LVS
<i>Neochromis nigricans</i>	Lake Victoria (Nane Island)	this study	L. De Vos (F2C-12/93)	AY930005	-	LVS
<i>Orthochromis kasuluensis</i>	Mgandazi River, Tanzania	this study	L. De Vos (4C)	AY930031	-	MO
<i>Orthochromis kasuluensis</i>	Tanzania	this study	L. De Vos (T2-July 94)	AY929944	AY930049	MO
<i>Orthochromis luichensis</i>	Mkuti River, Luiche Basin, Tanzania	this study	L. De Vos (T94/3)	AY929947	AY930052	MO
<i>Orthochromis malagaraziensis</i>	Malagarazi River	Salzburger et al. 2002 [9]	n/a	AF400714	AF398232	MO
<i>Orthochromis malagaraziensis</i>	Nyarungunga River, Burundi	this study	L. De Vos (7-2/19/93)	AY929949	AY930054	MO
<i>Orthochromis malagaraziensis</i>	Nyarungunga River, Burundi	this study	L. De Vos (T5-5/28/93)	AY929951	AY930056	MO
<i>Orthochromis mazimeroensis</i>	Nanganga, Burundi	this study	L. De Vos (T1-5/27/93)	AY930032	-	MO
<i>Orthochromis mazimeroensis</i>	Mazimero River, Burundi	this study	L. De Vos (T3-5/27/93)	AY929948	AY930053	MO

	<i>Orthochromis mosoensis</i>	Ruisseau Gytinya, Burundi	this study	L. De Vos (T7-5/28/93)	AY930033	-	•	MO
	<i>Orthochromis mosoensis</i>	Ruisseau Gytinya, Burundi	this study	L. De Vos (T8-5/28/93)	AY929950	AY930055	•	MO
	<i>Orthochromis polyacanthus</i>	Congo River	Salzburger et al. 2002 [9]	n/a	AF400712	AF398231	•	CSA
	<i>Orthochromis rubrolabialis</i>	Tanzania	this study	L. Seegers (TZ94-108)	AY929946	AY930051	•	MO
	<i>Orthochromis rugufuensis</i>	Rugufu River, Tanzania	this study	L. Seegers (TZ94-121)	AY929945	AY930050	•	MO
	<i>Orthochromis uvinzae</i>	Malagarazi River	this study	L. Seegers (TZ94-112b)	AY929943	AY930048	•	MO
	<i>Paralabidochromis beadlei</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213519	-	•	LVS
	<i>Paralabidochromis chilotes</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213540	-	•	LVS
	<i>Paralabidochromis chilotes</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213525	-	•	LVS
	<i>Paralabidochromis chilotes</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213539	-	•	LVS
	<i>Paralabidochromis plagiodon</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213546	-	•	LVS
	<i>Paralabidochromis plagiodon</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213529	-	•	LVS
	<i>Paralabidochromis plagiodon</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213547	-	•	LVS
	<i>Pharyngochromis acuticeps</i>	Zambezi River, Zambia	this study	C. Katongo/C. Sturmbauer	AY929981	AY930094	•	CSA
	<i>Platytaeniodes degeni</i>	Lake Victoria	this study	A. Meyer (Pd1)	AY929959	AY930064	•	LVS
	<i>Platytaeniodes degeni</i>	Lake Victoria	this study	A. Meyer (Pd2)	AY930030	-	•	LVS
	<i>Prognothochromis venator</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213537	-	•	LVS
	<i>Psammochromis riponians</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213530	-	•	LVS
	<i>Pseudocranilabrus multicolor I</i>	Lake Victoria Region	Salzburger et al. 2002 [9]	n/a	AF400713	AF398233	•	LVS
	<i>Pseudocranilabrus multicolor V</i>	Lake Victoria Region (L. Kanyaboli)	this study	R. Abila (R082-2002)	AY929965	AY930070	•	victoriae Ps
	<i>Pseudocranilabrus multicolor VII</i>	Lake Victoria	this study	A. Meyer; T31	AY930029	-	•	LVS
	<i>Pseudocrenilabrus multicolor</i>	Tanzania	this study	L. Seegers (91/137)	AY929993	AY930106	•	Ps
	<i>Pseudocrenilabrus multicolor III</i>	Lake Victoria Region (L. Kanyaboli)	this study	R. Abila (R084-2002)	AY930028	-	•	Ps
	<i>Pseudocrenilabrus multicolor IV</i>	Lake Victoria Region (L. Kanyaboli)	this study	R. Abila (R083-2002)	AY930027	-	•	Ps
	<i>Pseudocrenilabrus philander</i>	Zambezi River	this study	aquarium	AY929942	AY930047	•	Ps
	<i>Pseudocrenilabrus multicolor VI</i>	Lake Victoria Region (L. Kanyaboli)	this study	R. Abila (R081-2002)	AY930026	-	•	Ps
	<i>Pseudotropheus livingstonii</i>	Lake Malawi	this study	I. Kornfield	AY929956	AY930061	•	LMF
	<i>Pseudotropheus msobo</i>	Lake Malawi	Nagl et al. 2000 [25]	n/a	AF213622	-	•	LMF
	<i>Pseudotropheus zebra</i>	Lake Malawi	this study	aquarium	AY930025	-	•	LMF
	<i>Pseudotropheus zebra "patricky"</i>	Lake Malawi	this study	aquarium	AY930024	-	•	LMF
	<i>Ptyochromis sauvagei</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213549	-	•	LVS
	<i>Ptyochromis sauvagei</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213531	-	•	LVS
	<i>Ptyochromis xenognathus</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213532	-	•	LVS
	<i>Ptyochromis xenognathus</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213535	-	•	LVS
	<i>Ptyochromis xenognathus</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213533	-	•	LVS
	<i>Ptyochromis xenognathus</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213534	-	•	LVS
	<i>Ptyochromis xenognathus</i>	Lake Victoria	this study	A. Meyer (2-93)	AY930035	-	•	LVS
	<i>Rhamphochromis esox</i>	Lake Malawi	Shaw et al. 2000 [62]	n/a	AF298913	AF305252	•	LMF
	<i>Rhamphochromis macrophthalmus</i>	Lake Malawi	Shaw et al. 2000 [62]	n/a	AF298911	AF305250	•	LMF
	<i>Sargochromis giardi</i>	Zambezi River, Zambia	this study	C. Katongo/C. Sturmbauer (2647)	AY929985	AY930098	•	CSA
	<i>Schwetochromis stomsi</i>	Kisangani (Lualaba River), DR Congo	this study	L. De Vos (5/5/95)	AY929952	AY930057	•	CSA
	<i>Serranochromis sp.</i>	Lake Mweru-Wantipa, Zambia	Verheyen et al. 2003 [4]/this study	T. Reuter/E. Schraml (9793)	AY226792	AY930081	•	CSA
	<i>Thoracochromis brauschi</i>	Lake Fwa area, Congo Drainage	this study	aquarium	AY929982	AY930095	•	CSA
	<i>Thoracochromis brauschi</i>	Lake Fwa area, Congo Drainage	this study	R. Paul/E. Schraml (9792)	AY226791	AY930080	•	CSA
	<i>Tyrannochromis nigriventer</i>	Lake Malawi	Shaw et al. 2000 [62]	n/a	AF298968	AF305307	•	LMF
	<i>Xystichromis phytophagus</i>	Lake Victoria Region (L. Kanyaboli)	this study	R. Abila (R670-2002)	AY929970	AY930076	•	LVS
	<i>Yssichromis laparogramma</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213520	-	•	LVS
	<i>Yssichromis laparogramma</i>	Lake Victoria	Nagl et al. 2000 [25]	n/a	AF213521	-	•	LVS
Lamprologini	<i>Julidochromis marlieri</i>	Lake Tanganyika	Salzburger et al. 2002 [9]	n/a	AF400717	AF398230	•	LT
	<i>Lamprologus callipterus</i>	Lake Tanganyika	Salzburger et al. 2002 [9]	n/a	AF400718	AF398226	•	LT
	<i>Lamprologus mocquardi</i>	Congo River	Salzburger et al. 2002 [9]	n/a	AF400720	AF398225	•	LT
	<i>Neolamprologus brichardi</i>	Lake Tanganyika	Salzburger et al. 2002 [9]	n/a	AF400721	AF398227	•	LT
	<i>Telmatochromis bifrenatus</i>	Lake Tanganyika	Salzburger et al. 2002 [9]	n/a	AF400724	AF398228	•	LT
Limnochromini	<i>Gnathochromis pfefferi</i>	Lake Tanganyika	Salzburger et al. 2002 [9]/Kocher et al. 1995 [15]	n/a	AF400727	U07248	•	LT
	<i>Limnochromis auritus</i>	Lake Tanganyika	Salzburger et al. 2002 [9]	n/a	AF400728	AF398246	•	LT
	<i>Triglachromis otostigma</i>	Lake Tanganyika	Salzburger et al. 2002 [9]	n/a	AF400729	AF398217	•	LT
Perissodini	<i>Perissodus microlepis</i>	Lake Tanganyika	Salzburger et al. 2002 [9]	n/a	AF400730	AF398222	•	LT
	<i>Plecodus straeleni</i>	Lake Tanganyika	Salzburger et al. 2002 [9]	n/a	AF400731	AF398221	•	LT
Tilapiini	<i>Boulengerochromis microlepis</i>	Lake Tanganyika	this study/Klett & Meyer 2002 [16]	n/a	AY929939	AF317229	•	LT
	<i>Oreochromis tanganyicae</i>	Lake Tanganyika	this study/Salzburger et al. 2002 [9]	n/a	AY929940	AF317240	•	LT

Tropheini	<i>Cyphotilapia frontosa</i>	Lake Tanganyika	Salzburger et al. 2002 [9]/Kocher et al. 1995 [15]	n/a	AF400732	U07247	•		Tr
	<i>Lobochilotes labiatus</i>	Lake Tanganyika	Salzburger et al. 2002 [9]/Kocher et al. 1995 [15]	n/a	AF400733	U07254	•		Tr
	<i>Petrochromis macrognaathus</i>	Lake Tanganyika	this study	J. Snoeks	AY929963	AY930068	•		Tr
	<i>Petrochromis orthognathus</i>	Lake Tanganyika	this study	E. Verheyen	AY930023	-			Tr
	<i>Simochromis diagramma</i>	Lake Tanganyika	this study	E. Verheyen	AY929974	AY930087	•		Tr
	<i>Simochromis marginatus</i>	Lake Tanganyika	this study	E. Verheyen	AY929975	AY930088	•		Tr
	<i>Tropheus brichardi</i>	Lake Tanganyika	this study	E. Verheyen; M85	AY929973	AY930086			Tr
	<i>Tropheus brichardi</i>	Lake Tanganyika	this study	E. Verheyen; M87	AY930022	-	•		Tr
	<i>Tropheus duboisi</i>	Lake Tanganyika	this study	E. Verheyen; M7	AY929972	AY930085			Tr
	<i>Tropheus duboisi</i>	Lake Tanganyika	this study	E. Verheyen; M9	AY930021	-	•		Tr
	<i>Tropheus moorii I</i>	Lake Tanganyika	this study	E. Verheyen; T66	AY929961	AY930066	•	I	Tr
	<i>Tropheus moorii II</i>	Lake Tanganyika	this study	E. Verheyen; T67	AY929962	AY930067	•	II	Tr
	<i>Tropheus moorii III</i>	Lake Tanganyika	this study	E. Verheyen; 97	AY929978	AY930091	•	III	Tr
	<i>Tropheus moorii IV</i>	Lake Tanganyika	this study	E. Verheyen; 116	AY929980	AY930093	•	IV	Tr
	<i>Tropheus moorii V</i>	Lake Tanganyika	this study	E. Verheyen; 93	AY930020	-			Tr
	<i>Tropheus polli</i>	Lake Tanganyika	this study	E. Verheyen	AY929971	AY930084	•		Tr
	<i>Tropheus sp.</i>	Lake Tanganyika	this study	E. Verheyen	AY930019	-			Tr