

Supplementary Table S6. Sampling data of collected specimens including reference for sampling campaigns and published whole-genome sequencing data.

Species	Host	Country	Locality	LAT	LON	Date	Pool size	Estimated coverage*	Sampling campaign	Genome sequences
<i>Cichlidogyrus casuarinus</i>	<i>Hemibates stenosoma</i>	Zambia	Lake Tanganyika, Mpulungu	-08.7667	31.1167	09/2018 09/2019	80	825	Kmentová et al. (2021)	This study
<i>C. cirratus</i>	<i>Oreochromis niloticus</i>	Cameroon	Yaoundé, Ponds at Ecoparque	3.78582	11.4883	13/02/2022	50	643	Geraerts et al. (2022a)	This study
<i>C. halli</i>	<i>O. niloticus</i>	Cameroon	Yaoundé, Fishing ponds of Obili, 'Projet de Promotion de l'Entreprenariat Aquacole (P.P.E.A.)	3.85672	11.4958	14/02/2020	50	1374	Geraerts et al. (2022a)	This study
<i>C. sclerosus</i>	<i>O. niloticus</i>	Zimbabwe	Kariba, Lake Kariba at discharge channel of crocodile farm	-16.5495	28.8616	27/10/2019	50	365	Geraerts et al. (2022a)	This study
<i>C. sp. 'kapembwa'^{†,‡}</i>	<i>Callochromis macrops</i>	Zambia	Lake Tanganyika, Kalambo Lodge	-8.6539	31.1954	01/10/2019	52	1510	Kmentová et al. (2023) [§]	This study
<i>C. thurstonae</i>	<i>O. niloticus</i>	Cameroon	Mbalmayo, River Fala (affluent of the river So'o)	3,318972	11,48519	17/02/2020	50	556	Geraerts et al. (2022a)	This study
<i>C. tilapiae</i>	<i>O. niloticus</i>	Cameroon	Mbalmayo, Ponds Capfort	3.532733	11.51642	17/02/2020	50	482	Geraerts et al. (2022a)	This study
<i>C.s zambezensis</i>	<i>Serranochromis cf. thumbergi</i>	Dem. Rep. Congo	Province Haut-Katanga, Kiniama, Kafubu River, near Catholic Mission	-11.4777	28.3089	27/07/2019	1	768	Geraerts et al. (2022a)	This study
<i>Scutogyrus longicornis</i>	<i>Oreochromis niloticus</i>	Cameroon	Édéa, small affluent stream (Mboue) of Sanaga River running through the village	3.79215	10.13303	11– 12/02/2022	50	638	Geraerts et al. (2022a)	This study
<i>Kapentagyryrus limnotrissae</i>	<i>Limnothrissa miodon</i>	Zambia	Lake Tanganyika, Mpulungu	-08.7667	31.1167	08/2018	50	5451	Kmentová et al. (2023)	Kmentová et al. (2023)
<i>K. tanganicanus</i>	<i>L. miodon</i>	Zambia	Lake Tanganyika, Mpulungu	-08.7667	31.1167	12/04/2018	85	8292	Kmentová et al. (2023)	Kmentová et al. (2023)

* Based on genome size of draft genome assembly for *C. casuarinus* (66.086 MB). † Species currently under description. ‡ Whole-genome pre-amplification was applied. § Sample location not mentioned in cited publication. ¶ Species identified in present study.