

Table S1 Species names, Tribes and GenBank accession numbers of the five sequenced *Hivep* paralogs

Species	Tribe	<i>Hivep1</i>	<i>Hivep2a</i>	<i>Hivep2b</i>	<i>Hivep3a</i>	<i>Hivep3b</i>
<i>Bathybates graueri</i>	Bathybatini	KF049218	KF049276	KF049316	KF049357	KF049398
<i>Benthochromis tricoti</i>	Benthochromis	KF049245	KF049264	KF049303	KF049373	KF049385
<i>Boulengerochromis microlepis</i>	Boulengerochromini	KF049229	KF049258	KF049297	KF049337	KF049377
<i>Ctenochromis benthicola</i>	Cyphotilapiini	KF049241	KF049267	KF049306	KF049347	KF049388
<i>Cyphotilapia frontosa</i>	Cyphotilapiini	KF049237	KF049293	KF049333	KF049371	KF049415
<i>Cyprichromis leptosoma</i>	Cyprichromini	KF049227	KF049265	KF049304	KF049345	KF049386
<i>Aulocranus dewindtii</i>	Ectodini	KF049244	KF049263	KF049335	KF049344	KF049384
<i>Callochromis macrops</i>	Ectodini	KF049228	KF049268	KF049307	KF049348	KF049389
<i>Cyathopharynx furcifer</i>	Ectodini	KF049238	KF049296	KF049336	KF049341	KF049381
<i>Grammatotria lemairii</i>	Ectodini	KF049249	KF049272	KF049311	KF049352	KF049393
<i>Xenotilapia flavipinnis</i>	Ectodini	KF049256	KF049288	KF049328	KF049366	KF049410
<i>Xenotilapia spiloptera</i>	Ectodini	KF049254	KF049286	KF049326	KF049364	KF049408
<i>Eretmodus cyanostictus</i>	Eretmodini	KF049239	KF049295	KF049298	KF049338	KF049378
<i>Astatotilapia burtoni</i>	Haplochromini	KF049240	KF049260	KF049300	KF049340	KF049380
<i>Ctenochromis horei</i>	Haplochromini	KF049246	KF049290	KF049330	KF049368	KF049412
<i>Altolamprologus fasciatus</i>	Lamprologini	KF049243	KF049289	KF049329	KF049367	KF049411
<i>Julidochromis ornatus</i>	Lamprologini	KF049248	KF049271	KF049310	KF049351	KF049392
<i>Lamprologus lemairii</i>	Lamprologini	KF049255	KF049273	KF049312	KF049353	KF049394
<i>Lepidiolamprologus elongatus</i>	Lamprologini	KF049242	KF049294	KF049334	KF049372	KF049416
<i>Neolamprologus furcifer</i>	Lamprologini	KF049230	KF049275	KF049315	KF049356	KF049397
<i>Neolamprologus pulcher</i>	Lamprologini	KF049231	KF049274	KF049314	KF049355	KF049396
<i>Neolamprologus sexfasciatus</i>	Lamprologini	KF049250	-*	KF049313	KF049354	KF049395
<i>Neolamprologus tetracanthus</i>	Lamprologini	KF049251	KF049278	KF049318	KF049374	KF049400
<i>Telmatochromis dhonti</i>	Lamprologini	KF049257	KF049284	KF049324	KF049375	KF049406
<i>Variabilichromis moorii</i>	Lamprologini	KF049219	KF049292	KF049332	KF049370	KF049414
<i>Gnathochromis permaxillaris</i>	Limnochromini	KF049232	KF049269	KF049308	KF049349	KF049390
<i>Limnochromis staneri</i>	Limnochromini	KF049220	KF049262	KF049302	KF049343	KF049383
<i>Reganochromis calliurus</i>	Limnochromini	KF049252	KF049282	KF049322	KF049376	KF049404
<i>Haplotaxodon microlepis</i>	Perissodini	KF049247	KF049270	KF049309	KF049350	KF049391
<i>Perissodus microlepis</i>	Perissodini	KF049233	KF049279	KF049319	KF049359	KF049401
<i>Plecodus straeleni</i>	Perissodini	KF049221	KF049261	KF049301	KF049342	KF049382
<i>Oreochromis tanganyicae</i>	Tilapiini	KF049234	KF049277	KF049317	KF049358	KF049399
<i>Trematocara nigrifrons</i>	Trematocarini	KF049235	KF049280	KF049320	KF049360	KF049402
<i>Lobochilotes labiatus</i>	Tropheini	KF049222	KF049287	KF049327	KF049365	KF049409
<i>Petrochromis famula</i>	Tropheini	KF049236	KF049281	KF049321	KF049361	KF049403
<i>Petrochromis polyodon</i>	Tropheini	KF049253	KF049283	KF049323	KF049362	KF049405
<i>Pseudosimochromis curvifrons</i>	Tropheini	KF049223	KF049259	KF049299	KF049339	KF049379
<i>Simochromis diagramma</i>	Tropheini	KF049224	KF049291	KF049331	KF049369	KF049413
<i>Tropheus moori</i>	Tropheini	KF049225	KF049266	KF049305	KF049346	KF049387
<i>Tylochromis polylepis</i>	Tylochromini	KF049226	KF049285	KF049325	KF049363	KF049407

* The *Hivep2a* sequence for *N. sexfasciatus* could not be submitted to GenBank, due to a lack of completeness