**Table S3.** Accession numbers and country report for the reference *cox*1 and *cyt*B markers from the GenBank database and those from this study used for the pangasiid comparative phylogenetic studies

|  |  |  |
| --- | --- | --- |
| **Species** | **\*Country where reported and accession number for genetic markers** | |
| ***cox*1** | ***cyt*B** |
| **Pangasiidae** |  |  |
| *Pangasius bocourti* | Thailand: KY118574; Vietnam: MN073456; EF609425; MG981068**;**  Malaysia: KP036428; China: MN842723 (?) | Thailand: GQ856793; GQ856794  Malaysia: HQ641169; China: MN842723 (?) |
| *Pangasius conchophilus* | Vietnam: KT289886; MG981067;Malaysia: KP036413; KP036414; Thailand: MK448175; | Thailand: HM236385; [United Kingdom] (unkown source): DQ119453 |
| *Pangasius djambal* | Malaysia: KP036427 |  |
| *Pangasius elongatus* | Vietnam: KT289878; KT289879; Cambodia: MG981069; | N/A |
| *Pangasius krempfi* | Vietnam: MG981062; MG981068; KY398025; KY398026; KY398027; KT289877;MN073458; | Vietnam: MZ272453 (**this study**); MN087468; MN087470; MN087471; MN087448; MN087449; MN087450; MN087451; MN087460; MN087461; Thailand: HM236386; HM236390; |
| *Pangasius larnaudii* | Vietnam: MG981066; MN073459; Thailand: AP012018; Cambodia: KY118576 | Thailand: HM236391; HM236392; AP012018; |
| *Pangasius macronema* | Thailand: MK448111; Vietnam: KT289891; KT289888; KT289892; KT289889; KT289890; KU747162; KY398030; | Thailand: HM236393; HM236394 (?); Laos: MH688227; unknown: DQ119443; |
| *Pangasius mekongensis* | Vietnam: MZ272451 (**this study**); KY398031; KY398032; KY398033; MN073458 (?) | Vietnam: MZ272451 (**this study**); |
| *Pangasius nasutus* | Malaysia: JF781173; JF781174; | Malaysia: HQ641181; HQ641189; HQ641197; Thailand: HM236395; HM236396; |
| *Pangasius pangasius* | India: EU871045; EU871046; EU871047; EU871048;JX997836; KX950698; KC572135; Bangladesh: MK572424; | India: KM434907; KC572135; KX950697; KX950698; Malaysia: HQ641203 (?); |
| *Pangasius polyuranodon* | N/A | Thailand: HM236399; |
| *Pangasius sanitwongsei* | South Africa: KC627282; KC627283; China: MN809630; Cambodia: MG981065; [China]: JN020073 (? *Pn.* *hypophthalmus*) | Thailand: HM236400; HM236401; China: MN809630; [China}: JN020086 (?*Pn.* *hypophthalmus*) |
| *Pangasius sutchi* | N/A | [United States] (unknown source): AY458897 |
| *Pangasianodon gigas* | Thailand: AY762971; KY118586; | Thailand: GQ856795; MN027096; AY762971; |
| *Pangasianodon*  *hypophthalmus* | Vietnam: MZ272452 (**this study**); MG981070; CM010854; China: KC846907; [China]: MZ286355 (?); Indonesia-CM018571; | Vietnam: MZ272452 (**this study**); CM010854; Philippines: KJ533254; KJ533255; Thailand: GQ856796; MN027139; India: KM434893; KM434894; KM434895; Indonesia: CM018571;China: KC846907; MZ286355 (?); |
| *Helicophagus leptorhynchus* | Vietnam: MG981071; | Thailand: GQ856791; |
| *Helicophagus waandersii* | Malaysia: KP036417; | (unknown): DQ119468; |
| *Helicophagus typus* | N/A | Thailand: GQ856790; |
| *Pseudolais micronemus* | Indonesia: KU692816; Malaysia: KP036422; KP036423; | Malaysia: HQ641167; |
| *Pseudolais pleurotaenia* | Laos: MG981072; | Laos: MH688228; Thailand: HM236397; HM236398; |
| **Others** |  |  |
| *Pareutropius debauwi* | Congo: AP012017; | Congo: AP012017 |
| *Austroglanis sclateri* | South Africa: MZ930070 | South Africa: MZ930070 |
| *Austroglanis barnardi* | South Africa: MZ930069 | South Africa: MZ930069 |
| *Austroglanis gilli* | South Africa: MZ930072 | South Africa: MZ930072 |
| *Clanogranis bouderius* | China: AY898626 | China: AY898626 |
| *Ameiurus catus* | United States: MH324425 | United States: MH324425 |
| *Ameiurus nebulosus* | United States: MF621733 | United States: MF621733 |
| *Noturus taylori* | N/incl. | United States: KP013089 |
| *Pylodictis olivaris* | United States: MF621728 | United States: MF621728 |
| *Ictalurus furcatus* | United States: KM576102 | United States: KM576102 |
| *Ictalurus pricei* | Mexico: KJ496298 | Mexico: KJ496298 |
| *Ictalurus punctatus* | United States: MF621721; MF621722; AF482987 | United States: MF621721; MF621722; AF482987 |
| **outgroup** (Gymnotiformes): *Apteronotus albifrons;*  *Gymnotus carapo* | (South America): AB054132;  (South America): AP011979 |  |
| **outgroup** (Clupeiformes): *Engraulis japonicus; Sardinops melanostictus* |  | China: KF765500;  Japan: AB032554 |

*Note:* Country names in bracket [] indicate unknown source of the sample. Question mark (?): indicates a possible species misindentification. N/incl.: not included.