

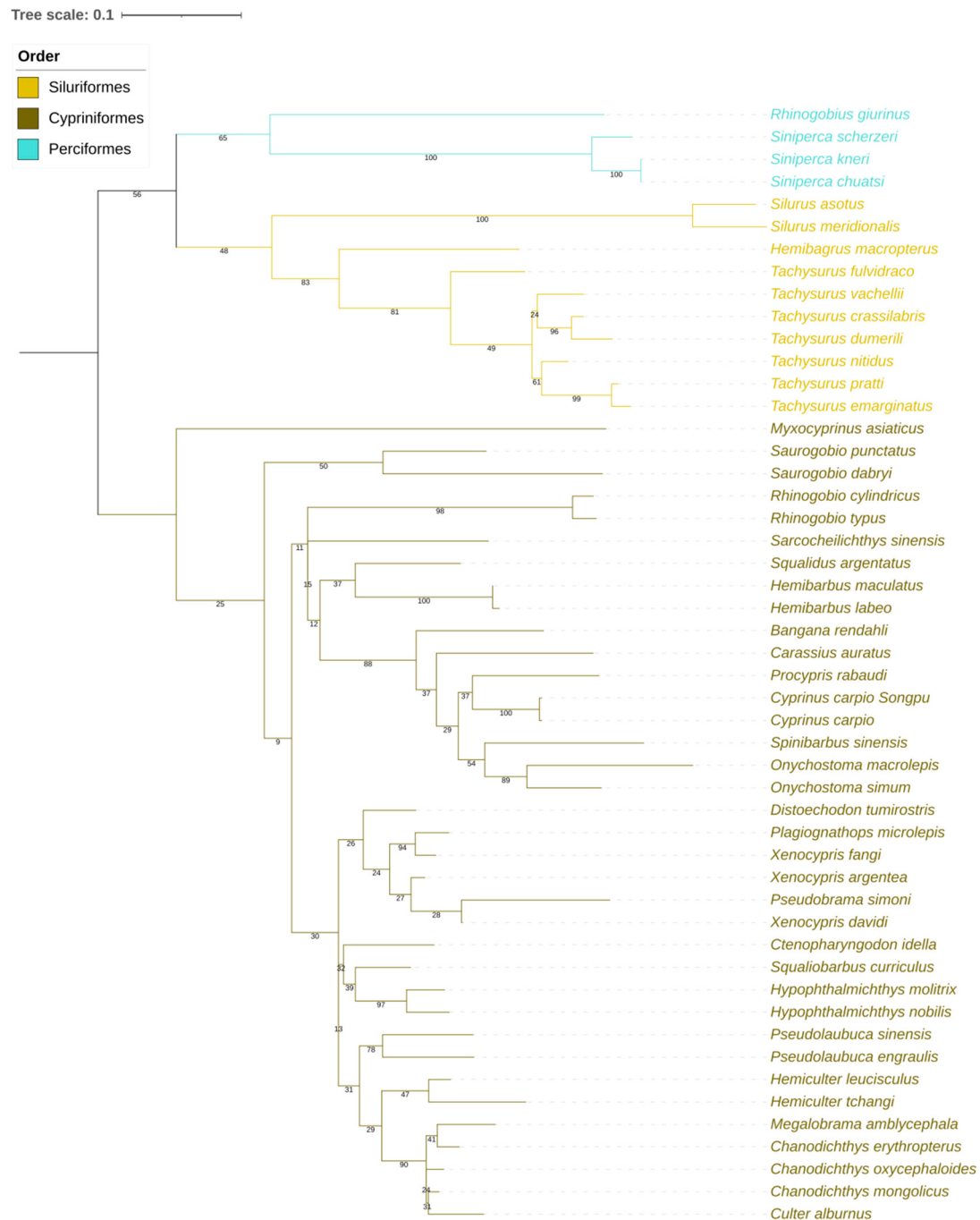


Figure S1. The phylogeny based on cytochrome *c* oxidase I (COI) for fish species in the study area.

Table S1. The list of fish species for phylogeny construction in this study.

Order	Species	Accession number	Size (bp)
Cypriniformes	<i>Myxocyprinus asiaticus</i>	MF122546.1	624
Cypriniformes	<i>Ctenopharyngodon idella</i>	MT804981.1	561
Cypriniformes	<i>Squaliobarbus curriculus</i>	OP051035.1	647
Cypriniformes	<i>Pseudolaubuca sinensis</i>	MT805704.1	561
Cypriniformes	<i>Pseudolaubuca engraulis</i>	OP050729.1	647
Cypriniformes	<i>Hemiculter leucisculus</i>	OP050543.1	647
Cypriniformes	<i>Hemiculter tchangi</i>	MZ870937.1	585

Order	Species	Accession number	Size (bp)
Cypriniformes	<i>Chanodichthys oxycephaloides</i>	MF122236.1	624
Cypriniformes	<i>Chanodichthys mongolicus</i>	KR861856.1	624
Cypriniformes	<i>Culter alburnus</i>	KR861869.1	624
Cypriniformes	<i>Chanodichthys erythropterus</i>	MZ403252.1	602
Cypriniformes	<i>Xenocypris argentea</i>	KR862281.1	624
Cypriniformes	<i>Xenocypris davidi</i>	MZ871361.1	585
Cypriniformes	<i>Xenocypris fangi</i>	MF123401.1	624
Cypriniformes	<i>Plagiognathops microlepis</i>	MF805675.1	623
Cypriniformes	<i>Distoechodon tumirostris</i>	GU434342.1	652
Cypriniformes	<i>Megalobrama amblycephala</i>	HM776368.1	677
Cypriniformes	<i>Pseudobrama simoni</i>	MZ870981.1	585
Cypriniformes	<i>Hypophthalmichthys molitrix</i>	OP050549.1	647
Cypriniformes	<i>Hypophthalmichthys nobilis</i>	MT805177.1	561
Cypriniformes	<i>Hemibarbus labeo</i>	MN267847.1	577
Cypriniformes	<i>Hemibarbus maculatus</i>	MT571843.1	672
Cypriniformes	<i>Sarcocheilichthys sinensis</i>	KR862170.1	624
Cypriniformes	<i>Squalidus argentatus</i>	OP050867.1	647
Cypriniformes	<i>Rhinogobio typus</i>	MZ871000.1	585
Cypriniformes	<i>Rhinogobio cylindricus</i>	MZ870993.1	585
Cypriniformes	<i>Saurogobio dabryi</i>	MZ871101.1	585
Cypriniformes	<i>Saurogobio punctatus</i>	ON041156.1	642
Cypriniformes	<i>Spinibarbus sinensis</i>	MZ871179.1	585
Cypriniformes	<i>Onychostoma simum</i>	MH193224.1	598
Cypriniformes	<i>Onychostoma macrolepis</i>	MH193207.1	598
Cypriniformes	<i>Bangana rendahli</i>	MF122084.1	624
Cypriniformes	<i>Procypris rabaudi</i>	MF122640.1	624
Cypriniformes	<i>Cyprinus carpio</i>	MT805027.1	561
Cypriniformes	<i>Cyprinus carpio Songpu</i>	KC108650.1	628
Cypriniformes	<i>Carassius auratus</i>	MT804949.1	561
Siluriformes	<i>Tachysurus fulvidraco</i>	MT571911.1	672
Siluriformes	<i>Tachysurus vachellii</i>	MN639822.1	620
Siluriformes	<i>Tachysurus nitidus</i>	MH317165.1	674
Siluriformes	<i>Tachysurus dumerili</i>	MZ870942.1	585
Siluriformes	<i>Tachysurus crassilabris</i>	MH317170.1	674
Siluriformes	<i>Tachysurus emarginatus</i>	MN660222.1	533
Siluriformes	<i>Tachysurus pratti</i>	MN639838.1	620
Siluriformes	<i>Hemibagrus macropterus</i>	MZ870742.1	585
Siluriformes	<i>Silurus asotus</i>	MZ871103.1	585
Siluriformes	<i>Silurus meridionalis</i>	MZ871114.1	585
Perciformes	<i>Siniperca chuatsi</i>	MF123224.1	624
Perciformes	<i>Siniperca kneri</i>	EF143389.1	666
Perciformes	<i>Siniperca scherzeri</i>	OP050852.1	647
Perciformes	<i>Rhinogobius giurinus</i>	KM610889.1	648