Table S3 Fish species composition based on eDNA in 2019 and 2023

Order	Family	Genus	Scientific name	2019	2023
Acipenseriformes	Acipenseridae	*Acipenser*	*Acipenser sp.*		*
Beloniformes	Hemiramphidae	*Hemirhamphus*	*Hemirhamphus intermedius*	*	*
Clupeiformes	Engraulidae	*Coilia*	*Coilia brachygnathus*	*	*
Clupeiformes	Engraulidae	*Coilia*	*Coilia ectenes*	*	
Cypriniformes	Cobitidae	*Cobitis*	*Cobitis macrostigma*	*	
Cypriniformes	Cobitidae	*Misgurnus*	*Misgurnus anguillicaudatus*	*	*
Cypriniformes	Cobitidae	*Parabotia*	*Parabotia fasciata*	*	
Cypriniformes	Cobitidae	*Paramisgurnus*	*Paramisgurnus dabryanus*	*	*
Cypriniformes	Cyprinidae	*Abbottina*	*Abbottina rivularis*	*	*
Cypriniformes	Cyprinidae	*Acheilognathus*	*Acheilognathus chankaensis*	*	*
Cypriniformes	Cyprinidae	*Acheilognathus*	*Acheilognathus gracilis*	*	
Cypriniformes	Cyprinidae	*Acheilognathus*	*Acheilognathus imberbis*	*	
Cypriniformes	Cyprinidae	*Acheilognathus*	*Acheilognathus macropterus*	*	
Cypriniformes	Cyprinidae	*Acrossocheilus*	*Acrossocheilus paradoxus*	*	
Cypriniformes	Cyprinidae	*Aristichthys*	*Aristichthys nobilis*	*	*
Cypriniformes	Cyprinidae	*Carassius*	*Carassius auratus*	*	*
Cypriniformes	Cyprinidae	*Chanodichthys*	*Chanodichthys dabryi*	*	
Cypriniformes	Cyprinidae	*Chanodichthys*	*Chanodichthys erythropterus*	*	*
Cypriniformes	Cyprinidae	*Chanodichthys*	*Chanodichthys mongolicus*		*
Cypriniformes	Cyprinidae	*Coreius*	*Coreius heterodon*		*
Cypriniformes	Cyprinidae	*Ctenopharyngodon*	*Ctenopharyngodon idellus*	*	*
Cypriniformes	Cyprinidae	*Culter*	*Culter alburnus*	*	*
Cypriniformes	Cyprinidae	*Culter*	*Culter oxycephaloides*		*
Cypriniformes	Cyprinidae	*Cyprinus*	*Cyprinus carpio*	*	*

Cypriniformes	Cyprinidae	*Elopichthys*	*Elopichthys bambusa*	*	*
Cypriniformes	Cyprinidae	*Gnathopogon*	*Gnathopogon imberbis*	*	
Cypriniformes	Cyprinidae	*Gobiobotia*	*Gobiobotia filifer*	*	
Cypriniformes	Cyprinidae	*Hemibarbus*	*Hemibarbus labeo*	*	*
Cypriniformes	Cyprinidae	*Hemiculter*	*Hemiculter bleekeri*		*
Cypriniformes	Cyprinidae	*Hemiculter*	*Hemiculter leucisculus*	*	*
Cypriniformes	Cyprinidae	*Hypophthalmichthys*	*Hypophthalmichthys molitrix*	*	*
Cypriniformes	Cyprinidae	*Megalobrama*	*Megalobrama amblycephala*	*	*
Cypriniformes	Cyprinidae	*Megalobrama*	*Megalobrama terminalis*	*	*
Cypriniformes	Cyprinidae	*Microphysogobio*	*Microphysogobio elongatus*		*
Cypriniformes	Cyprinidae	*Mylopharyngodon*	*Mylopharyngodon piceus*	*	*
Cypriniformes	Cyprinidae	*Ochetobius*	*Ochetobius elongatus*	*	
Cypriniformes	Cyprinidae	*Opsariichthys*	*Opsariichthys acutipinnis*	*	*
Cypriniformes	Cyprinidae	*Parabramis*	*Parabramis pekinensis*		*
Cypriniformes	Cyprinidae	*Pseudobrama*	*Pseudobrama simoni*	*	*
Cypriniformes	Cyprinidae	*Pseudolaubuca*	*Pseudolaubuca engraulis*	*	
Cypriniformes	Cyprinidae	*Pseudolaubuca*	*Pseudolaubuca sinensis*	*	*
Cypriniformes	Cyprinidae	*Pseudorasbora*	*Pseudorasbora parva*	*	*
Cypriniformes	Cyprinidae	*Rhodeus*	*Rhodeus fangi*	*	
Cypriniformes	Cyprinidae	*Rhodeus*	*Rhodeus ocellatus*	*	
Cypriniformes	Cyprinidae	*Rhodeus*	*Rhodeus sinensis*	*	
Cypriniformes	Cyprinidae	*Rhynchocypris*	*Rhynchocypris oxycephalus*		*
Cypriniformes	Cyprinidae	*Sarcocheilichthys*	*Sarcocheilichthys sinensis*	*	
Cypriniformes	Cyprinidae	*Saurogobio*	*Saurogobio dabryi*	*	*
Cypriniformes	Cyprinidae	*Saurogobio*	*Saurogobio dumerili*	*	*

Cypriniformes	Cyprinidae	*Saurogobio*	*Saurogobio gracilicaudatus*	*	*
Cypriniformes	Cyprinidae	*Saurogobio*	*Saurogobio lissilabris*		*
Cypriniformes	Cyprinidae	*Squalidus*	*Squalidus argentatus*	*	*
Cypriniformes	Cyprinidae	*Squaliobarbus*	*Squaliobarbus curriculus*	*	*
Cypriniformes	Cyprinidae	*Toxabramis*	*Toxabramis swinhonis*	*	
Cypriniformes	Cyprinidae	*Xenocypris*	*Xenocypris davidi*	*	*
Cypriniformes	Cyprinidae	*Xenocypris*	*Xenocypris fangi*		*
Cyprinodontiformes	Poeciliidae	*Gambusia*	*Gambusia affinis*		*
Mugiliformes	Mugilidae	*Planiliza*	*Planiliza affinis*		*
Perciformes	Channidae	*Channa*	*Channa argus*	*	*
Perciformes	Cichlidae	*Oreochromis*	*Oreochromis mossambicus*		*
Perciformes	Cichlidae	*Sarotherodon*	*Sarotherodon galilaeus*		*
Perciformes	Eleotridae	*Bostrychus*	*Bostrychus sinensis*		*
Perciformes	Gobiidae	*Mugilogobius*	*Mugilogobius myxodermus*	*	
Perciformes	Gobiidae	*Rhinogobius*	*Rhinogobius cliffordpopei*	*	*
Perciformes	Gobiidae	*Rhinogobius*	*Rhinogobius giurinus*	*	*
Perciformes	Mastacembelidae	*Sinobdella*	*Sinobdella sinensis*	*	
Perciformes	Odontobutidae	*Odontobutis*	*Odontobutis potamophila*	*	*
Perciformes	Odontobutidae	*Odontobutis*	*Odontobutis sinensis*		*
Perciformes	Serranidae	*Siniperca*	*Siniperca chuatsi*	*	*
Perciformes	Serranidae	*Siniperca*	*Siniperca roulei*	*	
Perciformes	Serranidae	*Siniperca*	*Siniperca scherzeri*		*
Salmoniformes	Salmonidae	*Salvelinus*	*Salvelinus fontinalis*		*
Siluriformes	Bagridae	*Leiocassis*	*Leiocassis crassilabris*	*	
Siluriformes	Bagridae	*Pelteobagrus*	*Pelteobagrus eupogon*	*	

Siluriformes	Bagridae	*Pelteobagrus*	*Pelteobagrus fulvidraco*	*	*
Siluriformes	Bagridae	*Pelteobagrus*	*Pelteobagrus nitidus*	*	*
Siluriformes	Bagridae	*Pseudobagrus*	*Pseudobagrus ussuriensis*	*	*
Siluriformes	Siluridae	*Silurus*	*Silurus asotus*	*	*
Siluriformes	Siluridae	*Silurus*	*Silurus meridionalis*	*	
Synbranchiformes	Synbranchidae	*Monopterus*	*Monopterus albus*		*