

Table S1. The biological information of the nine fishes in the Poyang Lake.

Species	Feeding habits [71,72]	Water column position [71,73]	Resilience [73]	Egg types [71,74,75]	Life-history strategies [76]	Age of first sexual maturity [71]	Spawning types [71,77,78]	Parental care [71,72]
<i>Carassius auratus</i>	omnivore	demersal	medium	sticky	opportunistic	1	multiple-batch spawning	no
<i>Ctenopharyngodon idella</i>	herbivore	pelagic	low	drifting	periodic	3-4	spawning once	no
<i>Cyprinus carpio</i>	omnivore	demersal	medium	sticky	periodic	2	multiple-batch spawning	no
<i>Hypophthalmichthys molitrix</i>	phytoplankton	pelagic	medium	drifting	periodic	3-4	Spawning once	no
<i>Hypophthalmichthys nobilis</i>	zooplankton	pelagic	medium	drifting	periodic	4-5	spawning once	no
<i>Mylopharyngodon piceus</i>	carnivore	demersal	low	drifting	periodic	4-5	spawning once	no
<i>Silurus asotus</i>	carnivore	demersal	low	sticky	periodic	1	multiple-batch spawning	no
<i>Siniperca chuatsi</i>	carnivore	demersal	medium	drifting	periodic	1-2	multiple-batch spawning	no
<i>Tachysurus fulvidraco</i>	carnivore	demersal	medium	sticky	equilibrium	2	multiple-batch spawning	yes