

Supplementary Table 5

Results of randomization tests to evaluate the differences between the sexes in von Bertalanffy growth coefficients of Equation 1, the asymptotic length (L_{∞}) and the Brody growth coefficient (K), the counterpart parameters derived from the inverse von Bertalanffy growth model of Equation 2, $L_{\infty,inv}$ and K_{inv} , and maturation indices (age and length at 50% maturity [A_{50} and L_{50}] and age-specific midpoints of probabilistic maturation reaction norms [Lp_{50}]) for the cutlassfish *Trichiurus japonicus*. Fish were sampled during 2013–2015 at 2 fishing ports, Kengfang and Tsukuan, on the northeast and southwest coasts of Taiwan.

Observed between-sex difference	Kengfang (NE)	Tsukuan (SW)
L_{∞} (F-M) (mm)	150 ($P=0.009$)	157 ($P<0.001$)
K (F-M) (year^{-1})	-0.11 ($P=0.004$)	-0.32 ($P<0.001$)
$L_{\infty,inv}$ (F-M) (mm)	518 ($P=0.227$)	201 ($P=0.090$)
K_{inv} (F-M) (year^{-1})	-0.09 ($P=0.016$)	-0.11 ($P=0.001$)
A_{50} (F-M) (years)	0.10 ($P=0.205$)	0.33 ($P=0.047$)
L_{50} (F-M) (mm)	23.4 ($P=0.024$)	32.6 ($P=0.046$)
Age 1 Lp_{50} (F-M) (mm)	-32.1 ($P=0.185$)	4.1 ($P=0.468$)
Age 2 Lp_{50} (F-M) (mm)	20.0 ($P=0.612$)	8.8 ($P=0.375$)