

TABLE S1:

**Table S1.** Principal SFA, MUFA, and  $\omega$ -6 FA (mean mg  $\times 100\text{g}^{-1}$  of tissue  $\pm$  SE), of gonads, liver and fillet tissues of immature and mature common carp (*Cyprinus carpio*) and silver carp (*Hypophthalmichthys molitrix*).

	SFA (mg/100g)		MUFA (mg/100g)		PUFA: $\omega$ -6 <sup>f</sup> FA (mg/100g)	
	C16:0 (mg/100g)	C18:0 (mg/100g)	C18:1 $\omega$ -9	C18:1 $\omega$ -7	C20:4 $\omega$ -6	C18:2 $\omega$ -6, $\omega$ -9
Common carp immature						
G	21.59 $\pm$ 1.18	6.51 $\pm$ 0.04	24.39 $\pm$ 1.46	5.79 $\pm$ 0.29	14.36 $\pm$ 1.02	8.94 $\pm$ 0.32
L	117.59 $\pm$ 6.72	56.60 $\pm$ 0.89	93.09 $\pm$ 2.74	44.75 $\pm$ 2.52	nd.	14.56 $\pm$ 2.31
F	10.77 $\pm$ 5.52	6.32 $\pm$ 3.52	11.80 $\pm$ 6.52	4.21 $\pm$ 2.67	4.63 $\pm$ 1.82	3.48 $\pm$ 2.30
Silver carp immature						
G	18.94 $\pm$ 3.81	7.48 $\pm$ 1.25	37.51 $\pm$ 11.14	5.80 $\pm$ 1.19	4.21 $\pm$ 0.65	13.71 $\pm$ 3.96
L	55.28 $\pm$ 22.53	15.33 $\pm$ 5.25	22.19 $\pm$ 7.67	9.23 $\pm$ 3.58	nd.	9.33 $\pm$ 5.00
F	5.41 $\pm$ 1.74	4.82 $\pm$ 1.87	4.59 $\pm$ 1.62	1.17 $\pm$ 0.50	1.68 $\pm$ 0.69	0.92 $\pm$ 0.44
Common carp mature						
G	145.20 $\pm$ 12.20	49.44 $\pm$ 3.76	151.88 $\pm$ 13.23	nd.	34.18 $\pm$ 2.83	26.34 $\pm$ 0.69
L	50.90 $\pm$ 9.64	28.89 $\pm$ 3.85	73.67 $\pm$ 18.53	nd.	nd.	5.74 $\pm$ 1.60
F	12.53 $\pm$ 2.22	8.84 $\pm$ 2.24	20.29 $\pm$ 3.89	nd.	5.62 $\pm$ 1.42	3.57 $\pm$ 0.89
Silver carp mature						
G	123.25 $\pm$ 6.16	29.06 $\pm$ 1.45	128.63 $\pm$ 13.60	34.15 $\pm$ 1.71	6.13 $\pm$ 0.31	111.35 $\pm$ 12.00
L	62.11 $\pm$ 30.51	18.61 $\pm$ 8.97	93.18 $\pm$ 8.04	nd.	nd.	9.45 $\pm$ 5.03
F	48.58 $\pm$ 4.26	16.45 $\pm$ 1.65	85.47 $\pm$ 1.55	11.48 $\pm$ 1.70	5.48 $\pm$ 0.99	8.24 $\pm$ 0.99

G: gonads tissues; L: liver tissues; F: fillet tissues: SFA in tissues, including C16:0 (Palmitic acid) and C18:0 (Stearic acid); MUFA in tissues, including, C18:1 $\omega$ -7 (Vaccenic acid), C18:1 $\omega$ -9 (Oleic acid); PUFA including, including C18:2 $\omega$ -6 (Linoleic acid), C20:4 $\omega$ -6 (Arachidonic acid).