

Table S1 Basic parameters of three sizes cultured *S. wangchiachii*

Parameters	Small Size	Medium Size	Large Size
Fish number	6	5	3
Age (year)	3 ⁺	4 ⁺	6 ⁺
Full length (cm)	32.49 ± 1.86	38.18 ± 1.25	48.44 ± 1.73
Weight (g)	227.17 ± 14.45	480.66 ± 32.03	1050.5 ± 15.74

Table S2 Proximate composition of muscle in three sizes of *S. wangchiachii* (fresh weight, n = 3, %)

Components	Small Size	Medium Size	Large Size	Mean
Meat content	75.48 ± 2.46 ^a	77.24 ± 1.87 ^a	76.68 ± 0.24 ^a	76.36 ± 2.12
Muscle moisture	75.98 ± 0.31 ^a	76.03 ± 0.71 ^a	76.63 ± 0.73 ^a	76.21 ± 0.68
Crude fiber	0.11 ± 0.00 ^a	0.11 ± 0.00 ^a	0.09 ± 0.01 ^a	0.10 ± 0.01
Crude protein	19.42 ± 0.65 ^a	19.53 ± 0.53 ^a	19.00 ± 0.52 ^a	19.32 ± 0.61
Crude lipid	2.06 ± 0.02 ^a	2.17 ± 0.04 ^b	1.81 ± 0.02 ^c	2.01 ± 0.15
Ash	2.03 ± 0.03 ^a	2.17 ± 0.04 ^b	1.80 ± 0.02 ^c	2.00 ± 0.15

Table S3 Fatty acid composition and content in the muscle of *S. wangchiachii* (fresh weight, n = 3, %)

Species	Meat content	Muscle moisture	Crude protein	Crude lipid	Ash	References
<i>S. wangchiachii</i>	76.36	76.21	19.32	2.01	2.01	This study
<i>S. prenanti</i>	—	80.82	16.35	1.56	1.15	1
<i>S. chongi</i> (Fang)	—	77.5	21.2	4.67	1.22	2
<i>S. kozlovi</i> Nikolsky	67.72	81.03	15.49	1.03	1.06	3
<i>S. griseus</i>	71.22	75.37	22.98	1.35	1.43	4
<i>C. carpio</i>	71.95	77.33	17.58	3.97	1.12	5
<i>C. idella</i>	73.13	78.4	19.95	0.50	1.45	6
<i>A. nobilis</i>	57.73	80.03	18.06	0.70	1.21	7
<i>M. piceus</i>	71.08	67.86	16.56	1.48	0.92	8
<i>Carassius auratus</i>	52.18	78.14	18.63	1.51	1.22	9

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