



## Supplementary Material

# Amino Acid and Fatty Acid Composition of Three Strains of Chinese Soft-Shell Turtle (*Pelodiscus sinensis*)

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0030-9923/2018/0003-1061 \$ 9.00/0  
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**Supplementary Table I.- Essential amino acids in muscle of Chinese soft-shelled turtle strains.**

Amino acid	HR				YR				JP			
	Male		Female		Male		Female		Male		Female	
	AAS	CS	AAS	CS	AAS	CS	AAS	CS	AAS	CS	AAS	CS
Thr	2.31	1.97	2.31	1.97	1.94	1.66	2.05	1.76	1.96	1.68	1.92	1.64
Val	0.80	0.60	0.75	0.57	0.74	0.56	0.88	0.67	0.78	0.59	0.76	0.58
Lys	0.70	0.55	0.65	0.50	0.70	0.54	0.77	0.59	0.72	0.56	0.72	0.57
Ile	0.87	0.66	0.80	0.60	0.87	0.65	0.96	0.72	0.92	0.69	0.90	0.68
Leu	0.95	0.79	0.89	0.73	0.89	0.74	1.00	0.83	0.95	0.78	0.93	0.77
Met/Cys	0.63	0.36	0.58	0.33	0.61	0.35	0.68	0.39	0.63	0.36	0.64	0.37
Tyr/Phe	1.10	0.74	1.13	0.76	1.12	0.75	1.11	0.75	1.10	0.764	1.07	0.72

HR, Huaihe River; YR, Yellow River; JP, Japanese.

**Supplementary Table II.- Essential amino acids in calipash of Chinese soft-shelled turtle strains.**

Amion acid	HR				YR				JP			
	Male		Female		Male		Female		Male		Female	
	AAS	CS	AAS	CS	AAS	CS	AAS	CS	AAS	CS	AAS	CS
Thr	0.83	0.71	0.90	0.77	0.95	0.8	0.94	0.80	0.95	0.81	0.88	0.75
Val	0.45	0.34	0.52	0.39	0.56	0.42	0.55	0.41	0.53	0.40	0.53	0.40
Lys	0.34	0.27	0.37	0.29	0.39	0.30	0.41	0.32	0.41	0.31	0.41	0.31
Ile	0.36	0.27	0.39	0.29	0.41	0.31	0.43	0.32	0.43	0.32	0.42	0.31
Leu	0.40	0.33	0.44	0.36	0.46	0.38	0.48	0.40	0.48	0.39	0.47	0.39
Met/Cys	0.32	0.18	0.39	0.23	0.41	0.23	0.45	0.25	0.41	0.24	0.43	0.24
Tyr/Phe	0.62	0.41	0.68	0.46	0.73	0.49	0.70	0.47	0.72	0.48	0.47	0.31

HR, Huaihe River; YR, Yellow River; JP, Japanese.