Supplementary Materials

The following supporting information can be downloaded at https://www.mdpi.com/article/10.3390/fishes11010068/s1. Table S1: Results of discriminant analysis by 21 elements in the muscles of three habitat-originated *A. japonica*. Figure S1: Scatter plot of scores based on the first two canonical discriminant functions for the 21 elements in the muscles of three habitat-originated *A. japonica*; Figure S2: Clustering dendrogram for 4 discriminant elements in the muscles of three habitat-originated *A. japonica* and the EW-PC; Figure S3: Results of the 200-permutation test for the OPLS-DA model of discriminant element composition in the muscles of *A. japonica* from different habitats (a—RW, b—EW, c—OW).

Table S1. Results of discriminant analysis by 21 elements in the muscles of three habitat-originated *A. japonica*.

Methods	Groups	Prediction Category			Discriminant Accuracy (%)	Comprehensive Discrimination Rate (%)
		RW	EW	OW		
Stepwise Discrimination	RW	4	0	0	100.0	100.0
	EW	0	4	0	100.0	
	OW	0	0	4	100.0	
Cross Verification	RW	4	0	0	100.0	100.0
	EW	0	4	0	100.0	
	OW	0	0	4	100.0	

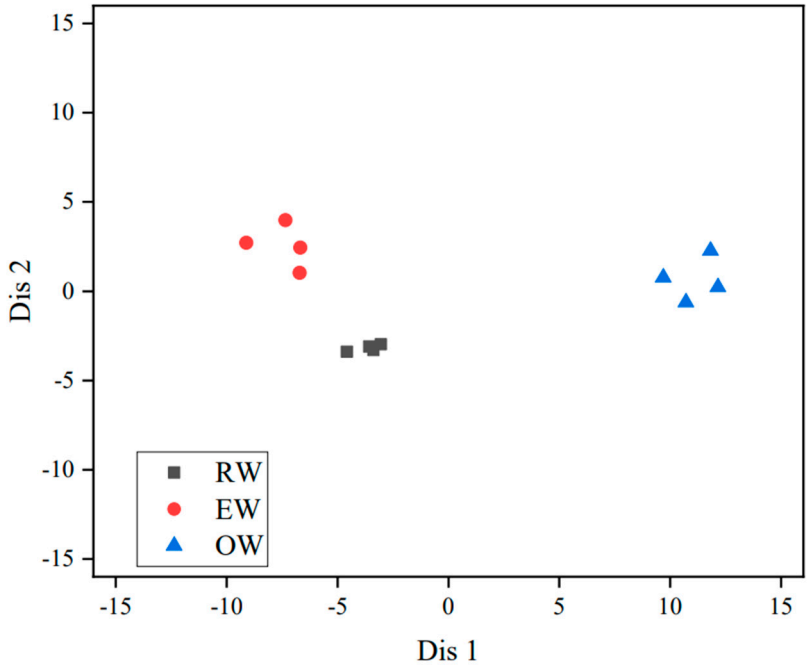


Figure S1. Scatter plot of scores based on the first two canonical discriminant functions for the 21 elements in the muscles of three habitat-originated *A. japonica*.

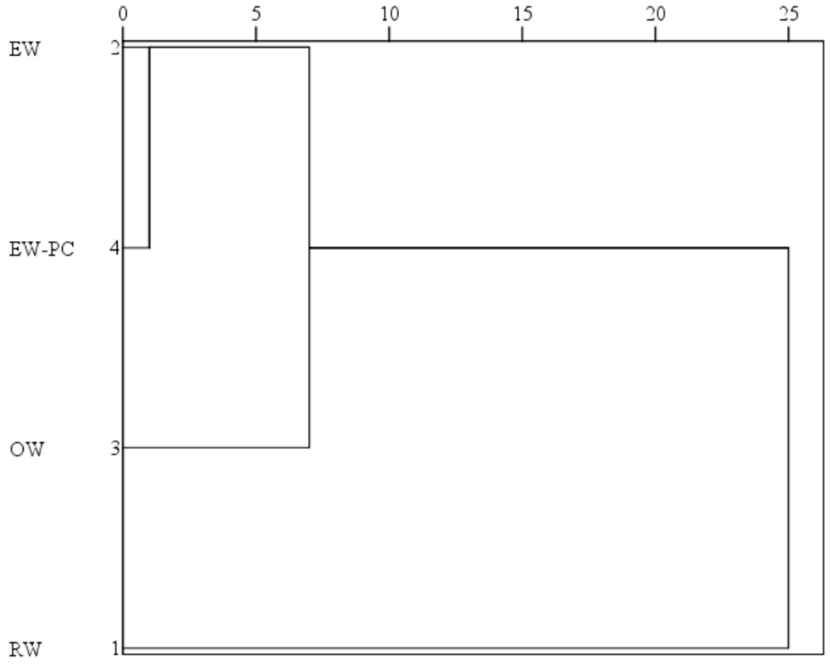


Figure S2. Clustering dendrogram for 4 discriminant elements in the muscles of three habitat-originated *A. japonica* and the EW-PC.

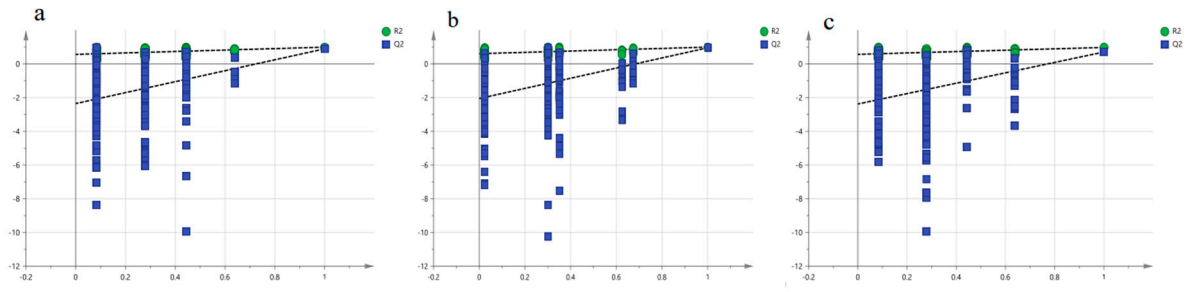


Figure S3. Results of the 200-permutation test for the OPLS-DA model of discriminant element composition in the muscles of *A. japonica* from different habitats (a—RW, b—EW, c—OW).