

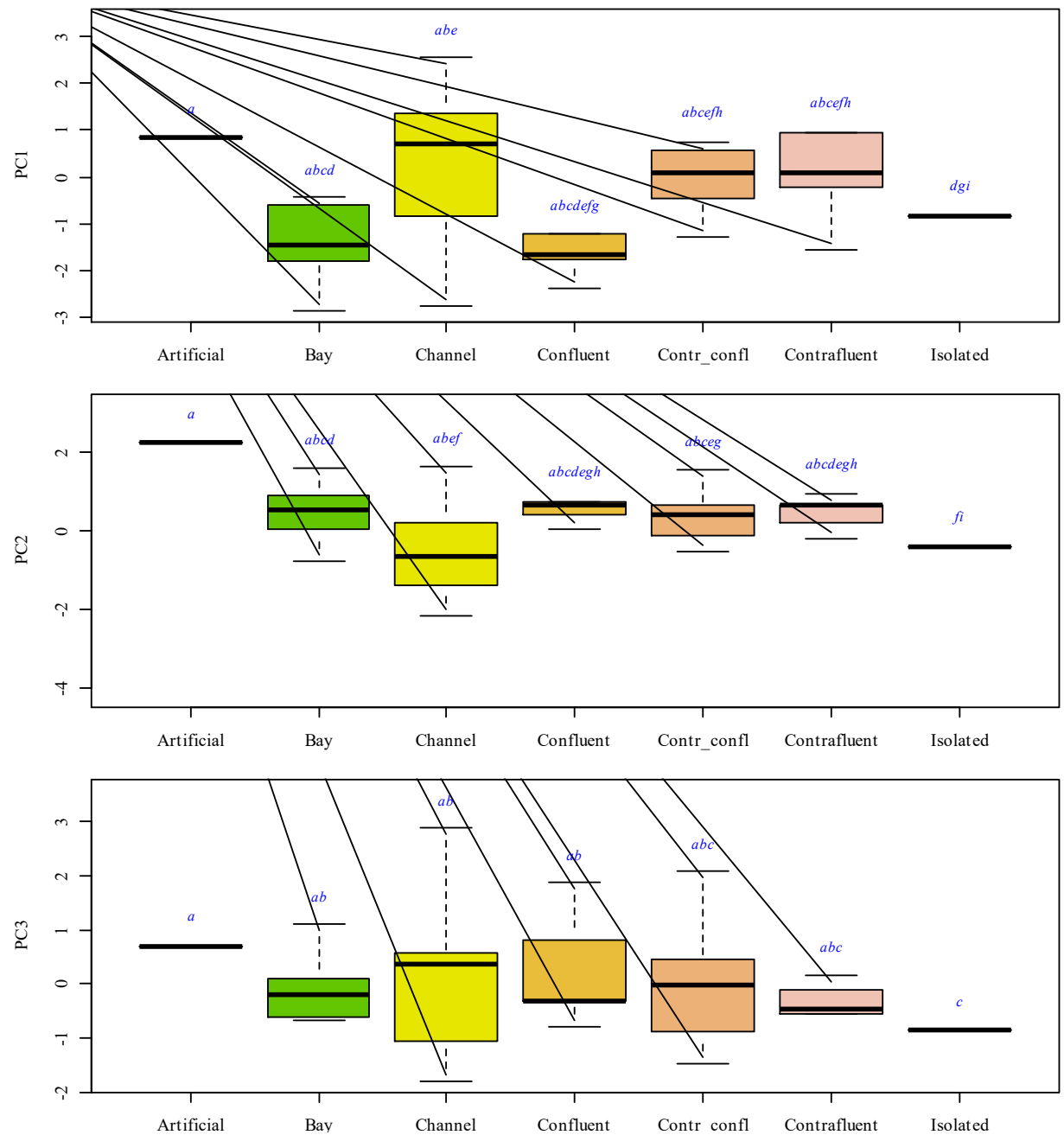


Fig. S1. Variation of the first three principal components derived from the analysis of morphometric characteristics in relation to the functional types of the water bodies. The vertical axis represents the scores of principal component 1 (size of the bodies of water), principal component 2 (shoreline complexity of the bodies of water), and principal component 3 (elongation of the reservoir). Box represents the interquartile range (the range between the first quartile (Q1, 25%) and the third quartile (Q3, 75%); the middle line inside the box is the median (Q2, 50%); whiskers show the minimum and maximum values that are not outliers. In the ordinate Artificial refers to artificial bodies of water, Bay denotes bays, Channel indicates channels, Confluent represents confluent lakes, Contr_confl refers to contrafluent lakes, Contrafluent signifies contrafluent-confluent lakes, and Isolated pertains to isolated floodplain lakes. According to the results of the Tukey test, identical letters denote levels of factors that are statistically indistinguishable at a significance level of $P < 0.05$, while differing letters indicate levels of factors that are statistically significantly different.