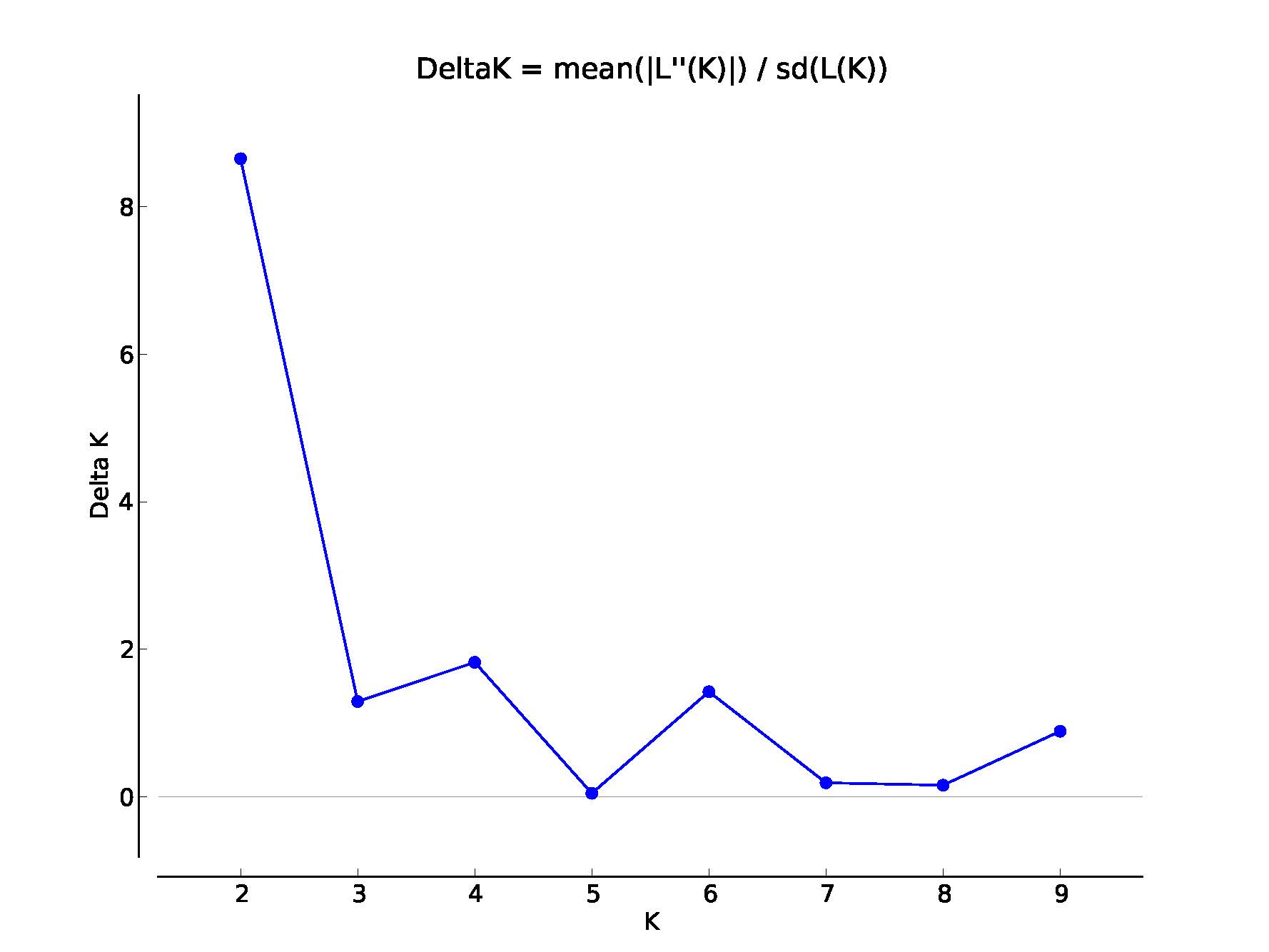
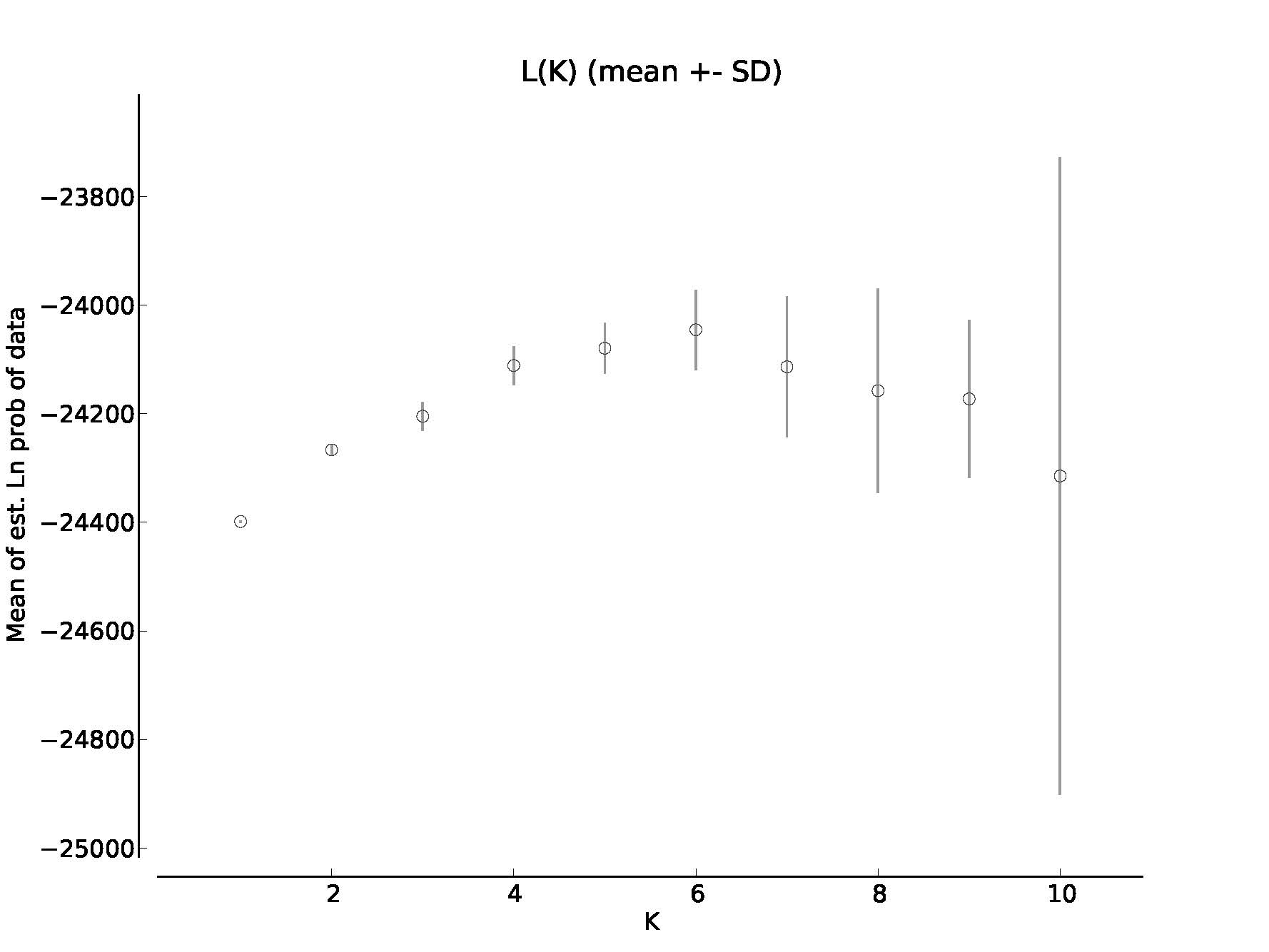


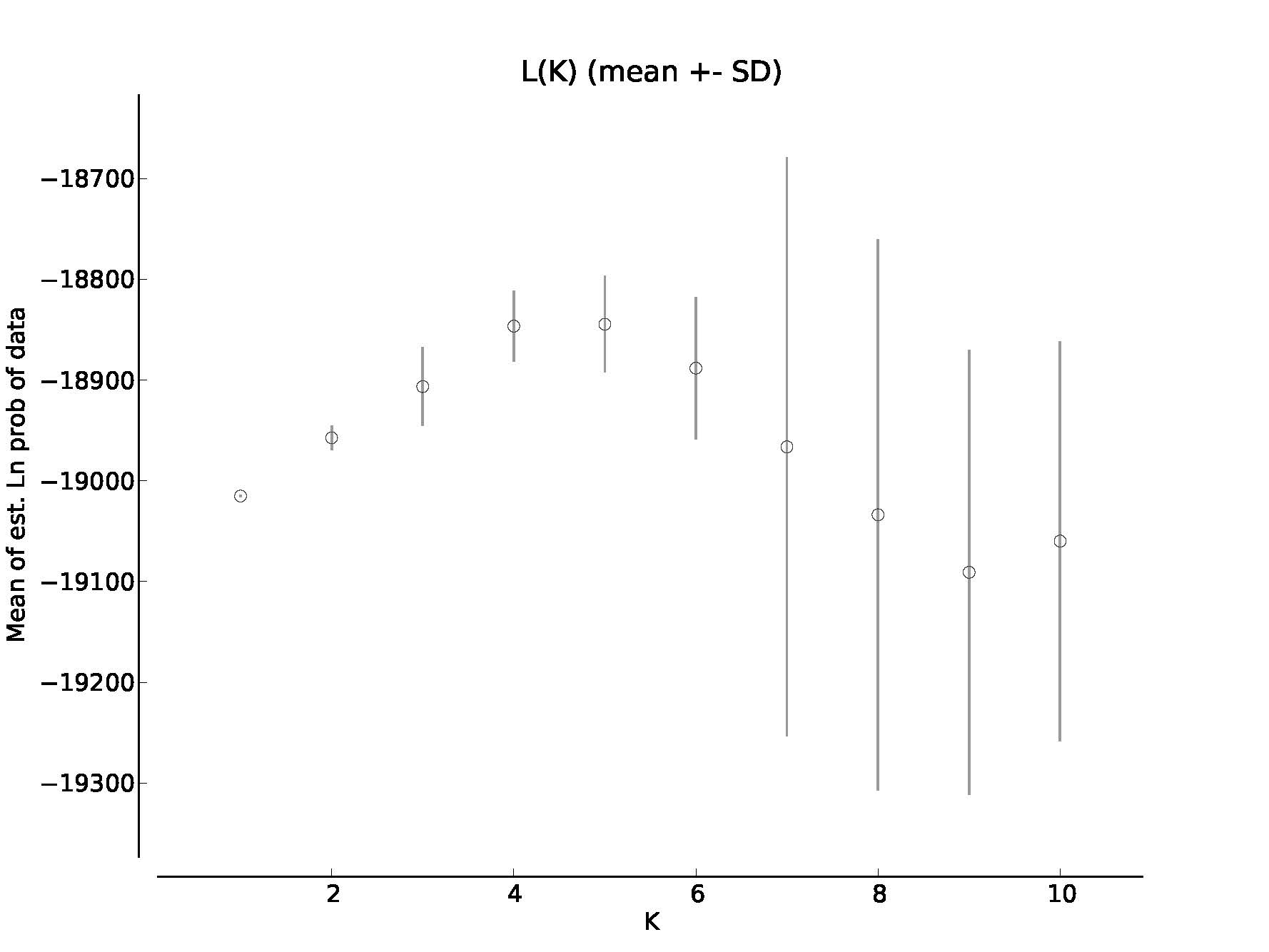
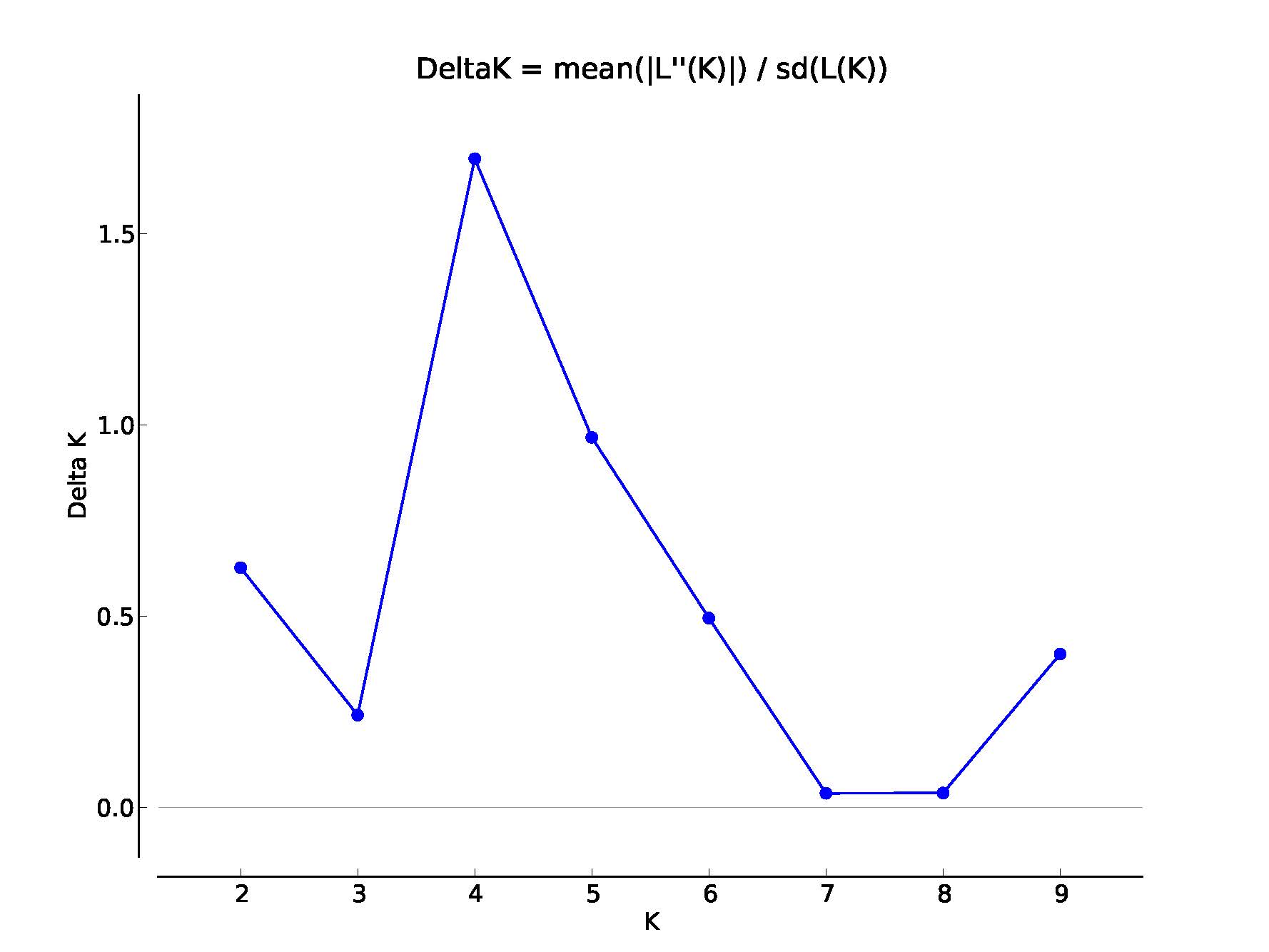
### **Figure S1**. *P*-values for all loci by sampling site combinations for (A) Painted turtles, and (B) Spotted turtles. Pink boxes indicate instances in which loci were found to significantly deviate from Hardy-Weinberg Equilibrium using an exact test based on 10,000 Monte Carlo permutations. White boxes indicate no information available due to too few alleles to calculate. Bonferroni corrections applied to data from both painted turtles (α = 0.05/396 = 0.00012) and spotted turtles (α = 0.05/170 = 0.00029).

A.

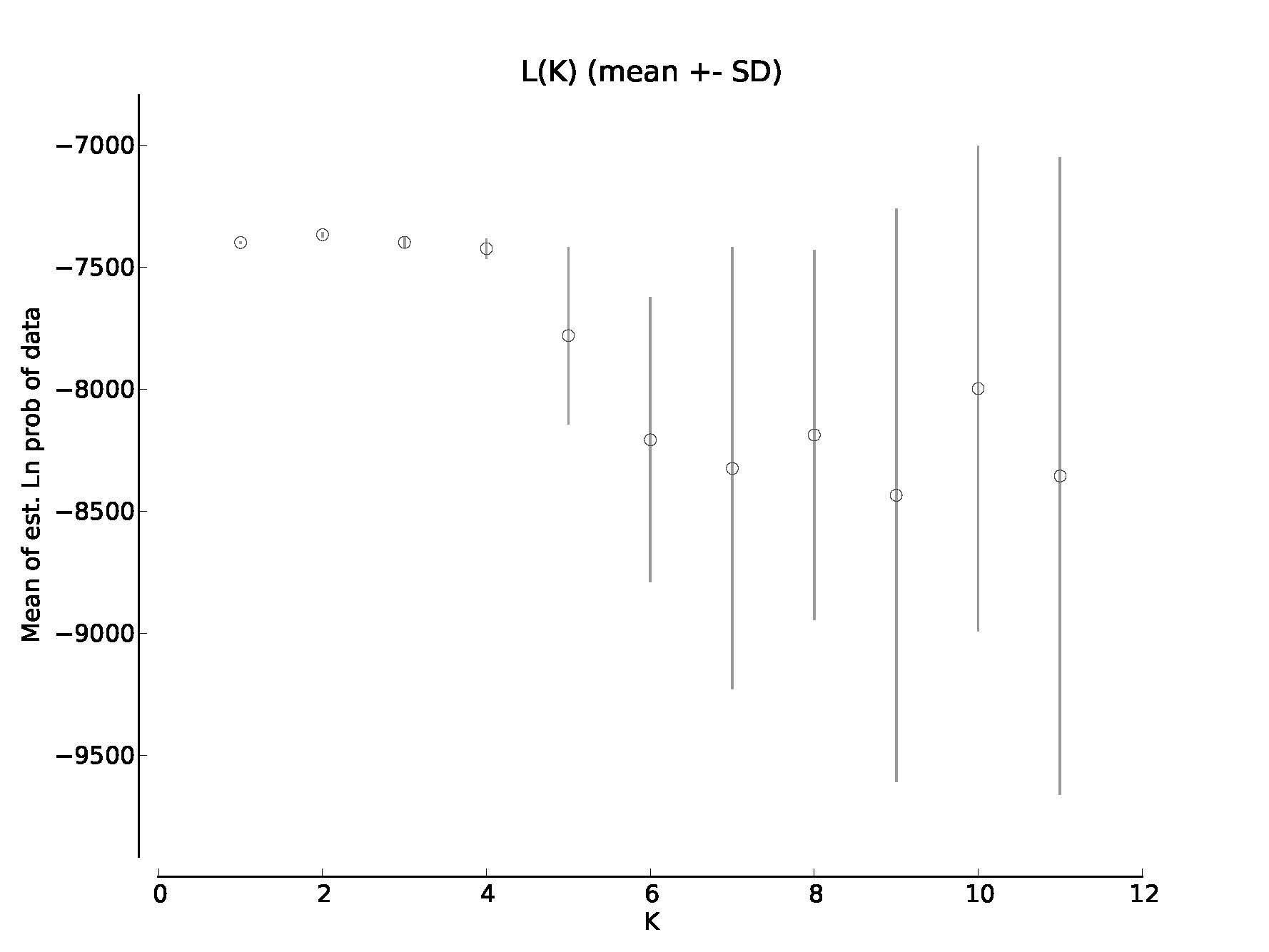
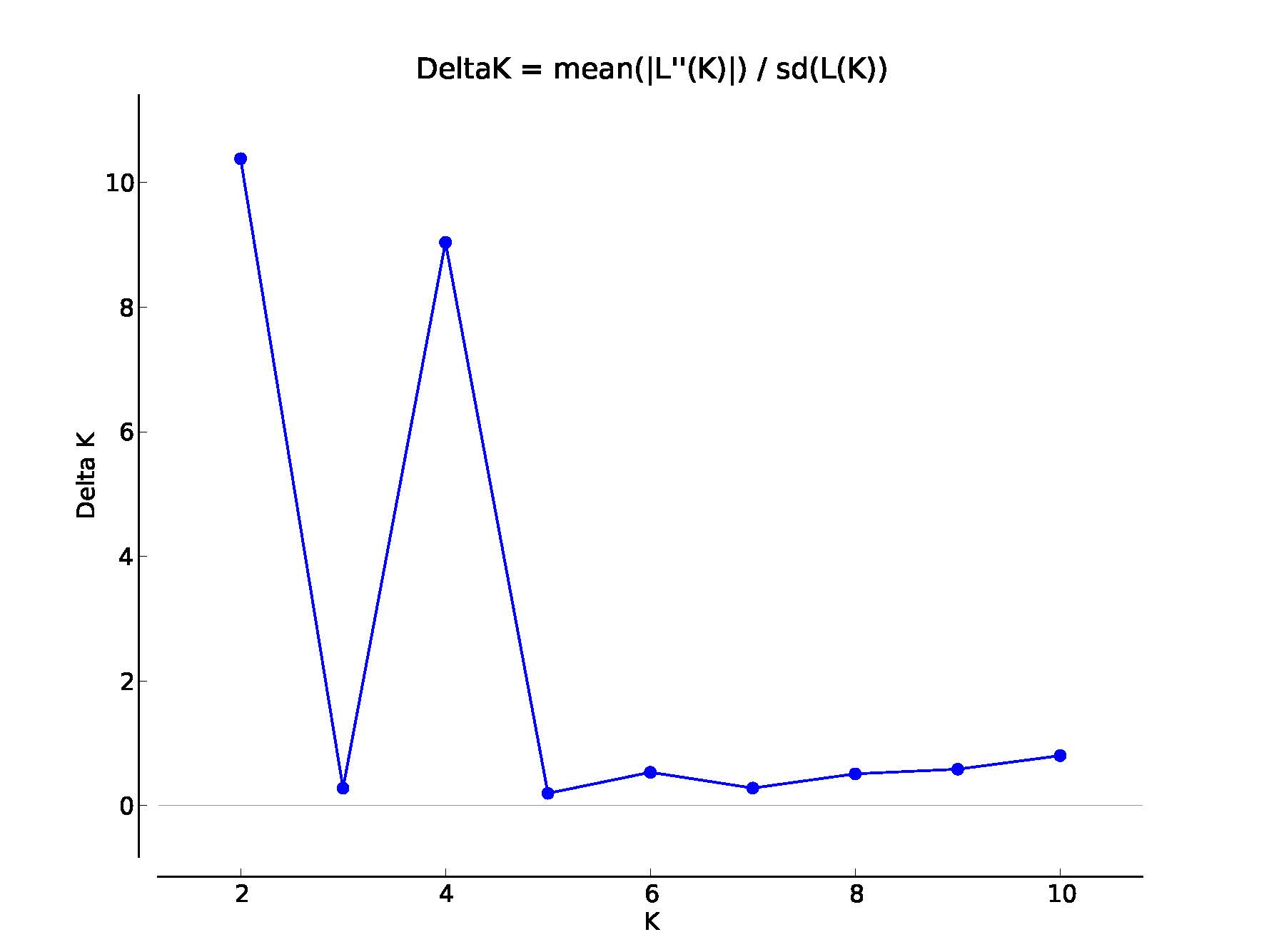




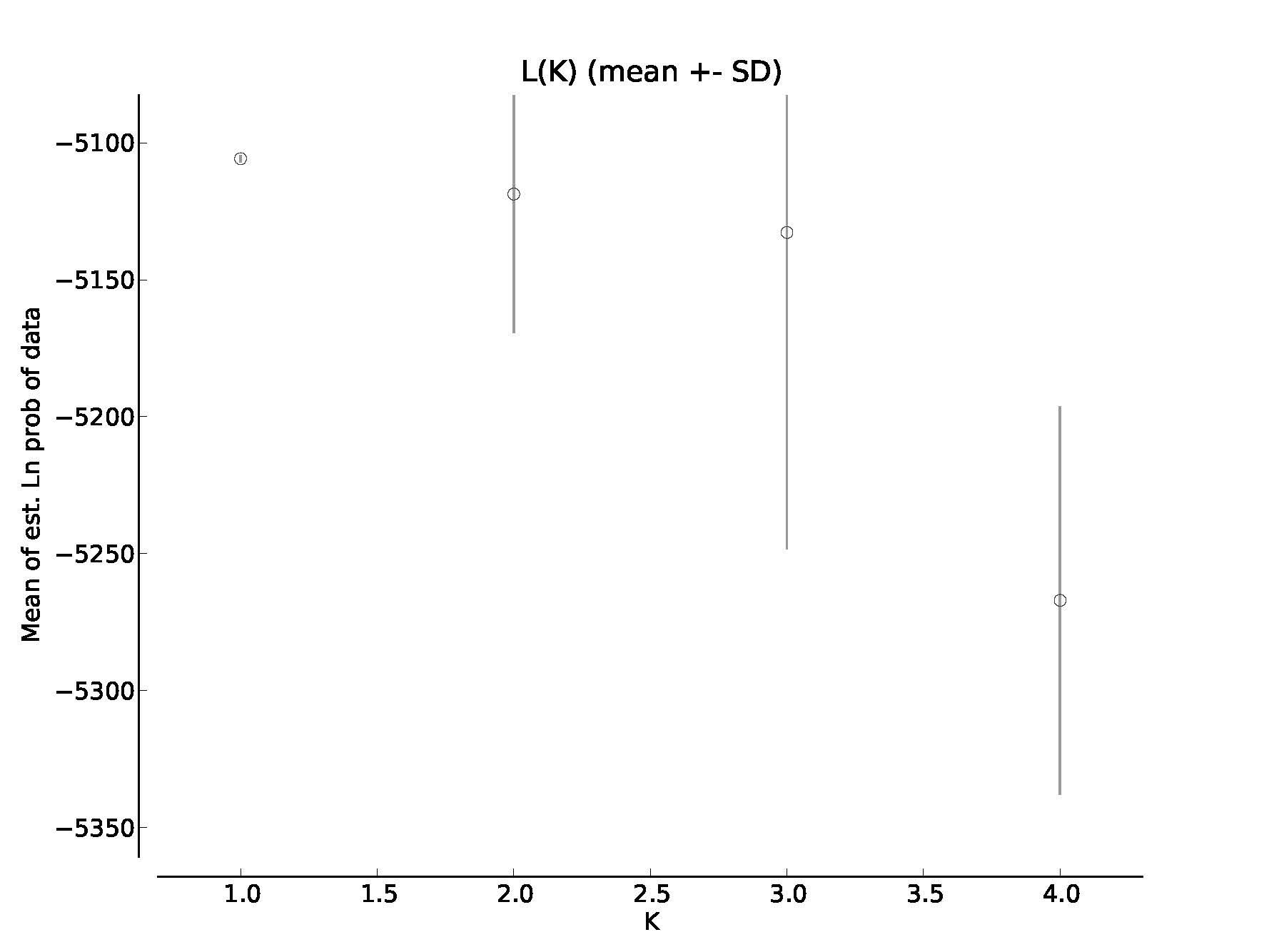
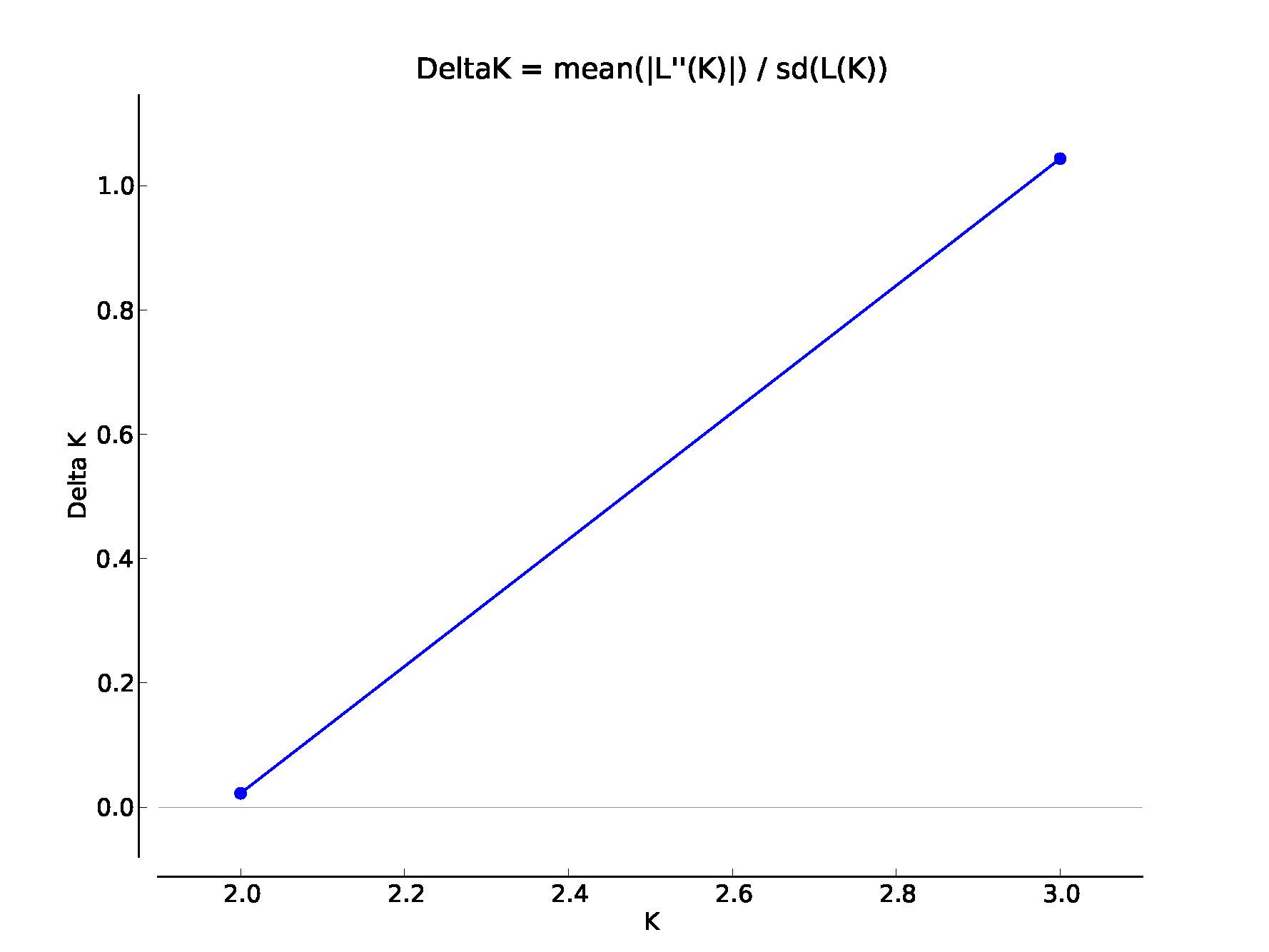
B.



C.



D.



### **Figure S2.** Δ*K* and ln Pr(X|*K*) STRUCTURE Harvester results for A) Painted turtles with all individuals from all sites; B) Painted turtles with maximum 25 individuals per site; C) Spotted turtles with all individuals from all sites; and D) Spotted turtlesfrom sites > 9 individuals and with site 29 limited to 30 individuals.