

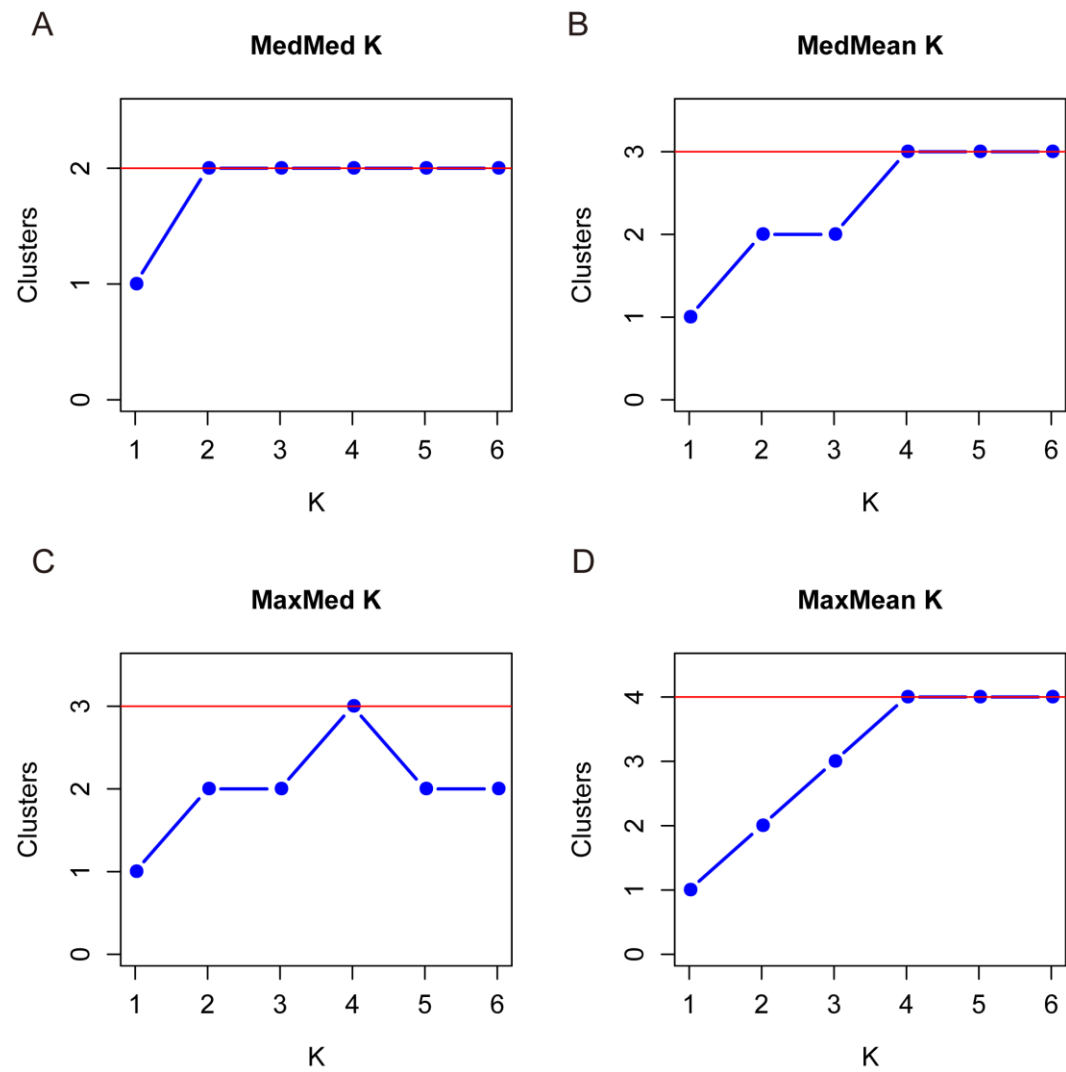


Figure S1. Results for estimating the optimal K using the Puechmaille method. (A) Median of the Mean K. (B) Maximum of the Mean K. (C) Median of the Median K. (D) Maximum of the Median K.

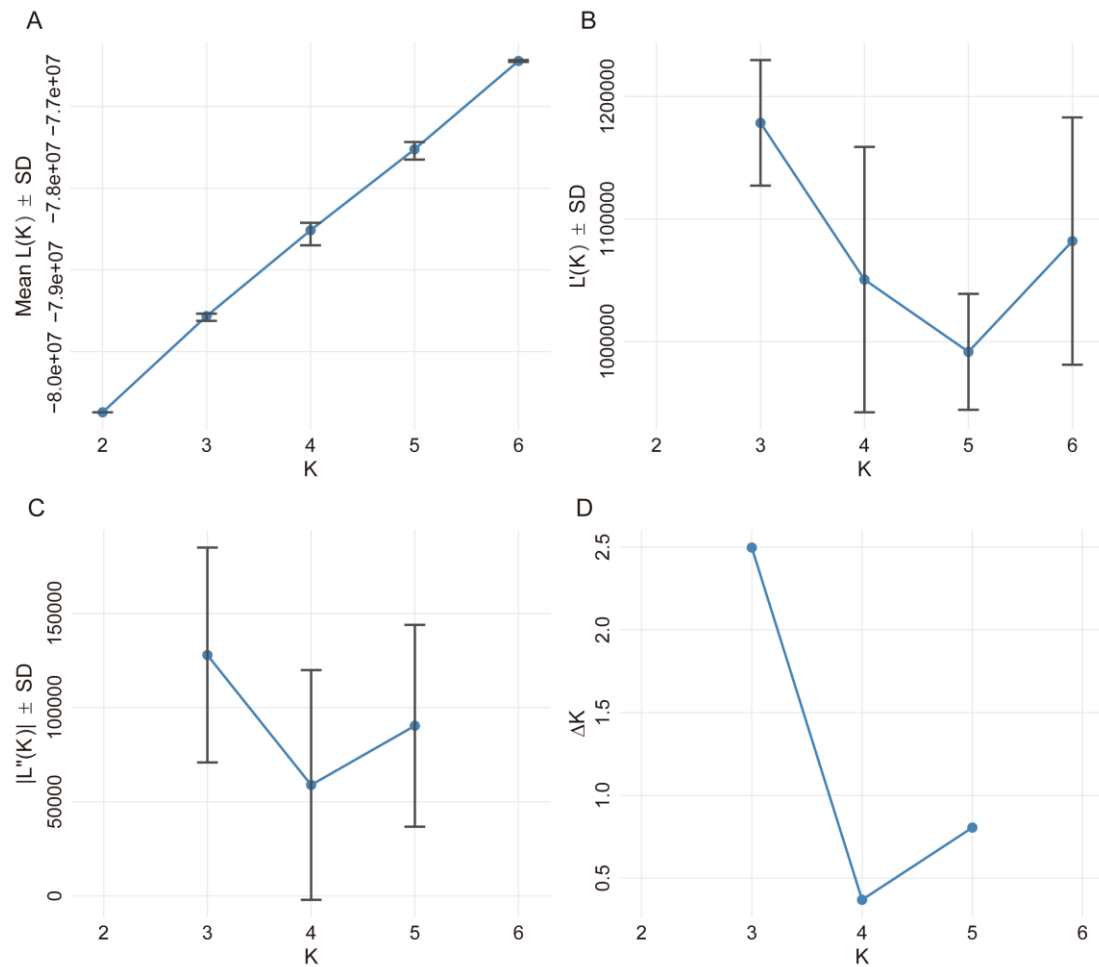


Figure S2. Visualization of the results from the `evannoMethodStructure` function.

(A) Mean Log-Likelihood $\pm$ Standard Deviation. (B) First Derivative of Log-Likelihood $\pm$ Standard Deviation. (C) Absolute Value of the Second Derivative of Log-Likelihood $\pm$ Standard Deviation. (D) Delta K.