

Supplement 2. Estimation of uppermost number of clusters according to Evanno et al. [21]. (A) Mean $L(K)$ over 50 runs for each K -value. (B) Rate of change of likelihood distribution calculated as $L'(K) = L(K) - L(K-1)$. (C) Absolute values of second order rate of change of the likelihood distribution calculated as $|L''(K)| = |L'(K+1) - L'(K)|$. (D) ΔK calculated as $\Delta K = m|L''(K)|/sd[L(K)]$. The highest ΔK indicates the true K or the uppermost level of structure, which is here four clusters.

