

## Denys & Desmet - Captions Supplementary Figures

Figure S1: Species accumulation curve with 2 SD confidence band.

Figure S2: Frequency distribution of observed species richness (a), Shannon diversity (b), Simpson diversity (c), LCBD (d), LCBDrepl (e), LCBDabun (f) and IFO (g) for all samples.

Figure S3: Geographic distribution of LCBD (a), LCBD\_non-acid (b), LCBDabun (c) and LCBDrepl (d). Higher than average ( $P \leq 0.05$ , uncorrected) values for LCBD (a, c, d) or LCBD\_non-acid (b) in red.

Figure S4: Geographical pattern of selected MEM scores in variation partitioning of species composition.

Figure S5: Differences between the median pH at maximum percentage in lower Belgium and the pH at maximum abundance in Sweden (a) and between the weighted-average pH optimum in lower Belgium and the pH at maximum abundance in Sweden (b) for 81 species in common. Swedish data graphically reported by Bērziņš & Pejler [49].