

Electronic Supplementary Material 5.

Taraška et al. (2024) *Dactylorhiza maculata* agg. (Orchidaceae) in Central Europe: Intricate patterns in morphological variability, cytotype diversity and ecology support the single species concept. *Folia Geobotanica*.

Supplementary material to the analysis of environmental characteristics.

Boxplots of elevation and selected climatic and soil variables for the studied sites of ten groups of *D. maculata* agg. (abbreviations explained in Table 1) extracted from Worldclim 2.0 (Fick and Hijmans 2017) and Soilgrid 2.0 (Hengl et al. 2017) databases. Colours of groups follow Fig. 1.

Explanations: Elevation, elevation; Srad, mean annual solar radiation; BIO1, mean annual temperature; BIO3, isothermality (BIO2/BIO7) ($\times 100$); BIO4, temperature seasonality (standard deviation $\times 100$); BIO12, annual precipitation; BIO15, precipitation seasonality (coefficient of variation); pH_KCl, soil pH measured in KCl solution; pH_H2O, soil pH measured in water solution; SLTPPT, weight percentage of the silt particles (0.0002–0.05 mm); CLYPPT, weight percentage of the clay particles (<0.0002 mm); ORCDRC, soil organic carbon content; CECSOL, cation exchange capacity of soil; AWCh2, available soil water capacity (volumetric fraction) with FC = pF 2.3; HISTPR, Histosols probability cumulative.

