Do patterns of intra-specific variability and community weighted-means of leaf traits correspond? An example from alpine plants

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\textsuperscript{2}Center for Forest Ecology and Productivity of the Russian Academy of Sciences, Profsoyuznaya Str., 84/32, 117997 Moscow, Russia
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\textsuperscript{4}Institute of Environmental Sciences CML, Leiden University, Einsteinweg 2, 2333 CC Leiden, The Netherlands
\textsuperscript{5}Systems Ecology, Department of Ecological Science, Faculty of Earth and Life Sciences, Vrije Universiteit Amsterdam, De Boelelaan 1085, 1081 HV Amsterdam, The Netherlands

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Table S1 Leaf traits for alpine plants in studied communities

Abbreviations: ALH – alpine lichen heath, FVG – Festuca varia grassland, GHM – Geranium-Hedysarum meadow, SBC – snow bed community, SE - standard error, N – number of samples

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### Water content, %

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Table S2. Statistic details for meta-analysis of the correspondence in trend for leaf traits between species-based and CWM based pattern among alpine communities (the CWM gradient).

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<td>$L_2$</td>
<td>$s^2_{\bar{g}}$</td>
<td>$s^2_A$</td>
<td>$Q$</td>
<td>$df$</td>
<td>$P(Q)$</td>
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Abbreviations: $\bar{g}$ – the standardized mean difference, $P(\bar{g})$ – the $P$-value for $\bar{g}$, $L_1$, $L_2$ – the 95% confidence limits for $\bar{g}$, $s^2_{\bar{g}}$ – the variance of $\bar{g}$, $Q$ – the effect size homogeneity statistics, $P(Q)$ – the $P$-value for $Q$, $s^2_A$ – the added variance component, the between-studies variance ($\tau^2$ in the ‘meta’ package), $I^2$ – the proportion of the variation in the effect sizes that is due to heterogeneity, % (it is analogous to the ANOVA intraclass correlation coefficient), $df$ – the number of degrees of freedom (number of studies – 1).
Table S3.

Statistic details for meta-analysis of the correspondence in trend for leaf traits between species-based and CWM based pattern among alpine communities according to the toposequence model (the snowmelt gradient)

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<th>$s^2_{\bar{g}}$</th>
<th>$s^2_A$</th>
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Abbreviations are the same as in Table S2.