**Table S4. Basic statistics on principal component 2 (PC2) of analysed leaves/leaflets** (SD = standard deviation; SW p = p-value in Shapiro-Wilk test, where [N] indicates normal distribution).

| Group | N | PC2 (fresh) | | | | | PC2 (dried) | | | | | ΔPC2 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mean | Min | Max | SD | SW p | Mean | Min | Max | SD | SW p | Mean | Min | Max | SD | SW p |
| All samples | 794 | 0.0001 | -0.1719 | 0.1200 | 0.0607 | 0.00 | -0.0001 | -0.1821 | 0.1255 | 0.0625 | 0.00 | 0.0002 | -0.0171 | 0.0208 | 0.0057 | 0.00 |
| *Betula pendula* | 36 | -0.1512 | -0.1719 | -0.1261 | 0.0107 | 0.52[N] | -0.1525 | -0.1728 | -0.1225 | 0.0116 | 0.48[N] | 0.0013 | -0.0044 | 0.0084 | 0.0030 | 0.79[N] |
| *Fagus sylvatica* | 34 | 0.0367 | 0.0135 | 0.0600 | 0.0121 | 0.55[N] | 0.0364 | 0.0113 | 0.0615 | 0.0127 | 0.51[N] | 0.0003 | -0.0039 | 0.0043 | 0.0019 | 0.97[N] |
| *Ficus retusa* | 36 | 0.0439 | 0.0144 | 0.0814 | 0.0153 | 0.63[N] | 0.0521 | 0.0206 | 0.0934 | 0.0155 | 0.28[N] | -0.0082 | -0.0150 | -0.0020 | 0.0035 | 0.47[N] |
| *Fraxinus ornus* | 29 | 0.0207 | -0.0154 | 0.0773 | 0.0261 | 0.05 | 0.0237 | -0.0126 | 0.0815 | 0.0272 | 0.01 | -0.0030 | -0.0089 | 0.0032 | 0.0027 | 0.89[N] |
| *Lamium album* | 35 | -0.1432 | -0.1683 | -0.1211 | 0.0114 | 0.19[N] | -0.1543 | -0.1821 | -0.1296 | 0.0125 | 0.20[N] | 0.0111 | 0.0031 | 0.0208 | 0.0043 | 0.73[N] |
| *Lupinus polyphyllus* | 37 | -0.0056 | -0.0168 | 0.0040 | 0.0055 | 0.63[N] | -0.0067 | -0.0173 | 0.0046 | 0.0054 | 0.77[N] | 0.0011 | -0.0030 | 0.0071 | 0.0022 | 0.48[N] |
| *Oemleria cerasiformis* | 32 | 0.0429 | 0.0141 | 0.0811 | 0.0156 | 0.42[N] | 0.0425 | 0.0139 | 0.0781 | 0.0152 | 0.27[N] | 0.0004 | -0.0018 | 0.0066 | 0.0018 | 0.00 |
| *Plantago lanceolata* | 29 | 0.0273 | 0.0075 | 0.0475 | 0.0115 | 0.17[N] | 0.0285 | 0.0082 | 0.0493 | 0.0116 | 0.34[N] | -0.0012 | -0.0051 | 0.0036 | 0.0019 | 0.52[N] |
| *Plantago major* | 28 | 0.0117 | -0.0153 | 0.0382 | 0.0141 | 0.71[N] | 0.0120 | -0.0195 | 0.0374 | 0.0148 | 0.44[N] | -0.0003 | -0.0041 | 0.0042 | 0.0022 | 0.65[N] |
| *Robinia pseudoacacia* | 31 | 0.0074 | -0.0436 | 0.0450 | 0.0207 | 0.11[N] | -0.0038 | -0.0577 | 0.0426 | 0.0214 | 0.23[N] | 0.0112 | 0.0025 | 0.0196 | 0.0048 | 0.22[N] |
| *Rosa arvensis* - shady | 33 | 0.0707 | 0.0487 | 0.0955 | 0.0122 | 0.78[N] | 0.0684 | 0.0475 | 0.0957 | 0.0126 | 0.49[N] | 0.0023 | -0.0103 | 0.0124 | 0.0051 | 0.95[N] |
| *Rosa arvensis* - sunny | 29 | 0.0644 | 0.0283 | 0.0985 | 0.0219 | 0.06[N] | 0.0619 | 0.0224 | 0.0933 | 0.0230 | 0.04 | 0.0026 | -0.0098 | 0.0180 | 0.0066 | 0.63[N] |
| *Salix pentandra* | 28 | -0.0259 | -0.0513 | 0.0134 | 0.0147 | 0.00 | -0.0264 | -0.0467 | 0.0142 | 0.0147 | 0.00 | 0.0005 | -0.0046 | 0.0038 | 0.0021 | 0.17[N] |
| *Secale cereale* | 30 | 0.0072 | -0.0004 | 0.0138 | 0.0041 | 0.13[N] | 0.0093 | 0.0009 | 0.0158 | 0.0042 | 0.13[N] | -0.0021 | -0.0063 | 0.0024 | 0.0018 | 0.99[N] |
| *Sorbus aucuparia* | 34 | 0.0279 | -0.0116 | 0.0647 | 0.0171 | 0.69[N] | 0.0205 | -0.0227 | 0.0648 | 0.0178 | 0.87[N] | 0.0074 | -0.0001 | 0.0148 | 0.0035 | 0.78[N] |
| *Syringa ×chinensis* | 38 | -0.0549 | -0.0755 | -0.0233 | 0.0112 | 0.27[N] | -0.0536 | -0.0732 | -0.0233 | 0.0108 | 0.47[N] | -0.0013 | -0.0042 | 0.0021 | 0.0014 | 0.90[N] |
| *Syringa ×prestoniae* | 37 | -0.0187 | -0.0423 | 0.0153 | 0.0130 | 0.56[N] | -0.0168 | -0.0404 | 0.0242 | 0.0147 | 0.11[N] | -0.0019 | -0.0090 | 0.0028 | 0.0030 | 0.30[N] |
| *Syringa josikaea* | 30 | 0.0344 | -0.0767 | 0.1200 | 0.0457 | 0.11[N] | 0.0368 | -0.0766 | 0.1255 | 0.0470 | 0.10[N] | -0.0024 | -0.0132 | 0.0048 | 0.0043 | 0.01 |
| *Syringa meyeri* | 35 | 0.0251 | -0.0266 | 0.0862 | 0.0300 | 0.26[N] | 0.0303 | -0.0217 | 0.0926 | 0.0308 | 0.17[N] | -0.0052 | -0.0171 | 0.0019 | 0.0045 | 0.28[N] |
| *Syringa vulgaris* | 32 | -0.0930 | -0.1063 | -0.0697 | 0.0102 | 0.03 | -0.0948 | -0.1080 | -0.0699 | 0.0109 | 0.01 | 0.0018 | -0.0034 | 0.0056 | 0.0024 | 0.39[N] |
| *Trifolium repens* | 36 | 0.0541 | 0.0287 | 0.0734 | 0.0086 | 0.20[N] | 0.0560 | 0.0274 | 0.0751 | 0.0100 | 0.16[N] | -0.0019 | -0.0146 | 0.0160 | 0.0076 | 0.57[N] |
| *Vinca minor* - current year | 39 | 0.0145 | -0.0126 | 0.0300 | 0.0092 | 0.09[N] | 0.0148 | -0.0134 | 0.0309 | 0.0095 | 0.06[N] | -0.0002 | -0.0033 | 0.0039 | 0.0016 | 0.81[N] |
| *Vinca minor* - previous year | 31 | 0.0143 | -0.0083 | 0.0379 | 0.0112 | 0.97[N] | 0.0153 | -0.0073 | 0.0333 | 0.0104 | 0.72[N] | -0.0009 | -0.0058 | 0.0153 | 0.0035 | 0.00 |
| *Wisteria floribunda* | 35 | 0.0240 | -0.0132 | 0.0604 | 0.0150 | 0.84[N] | 0.0293 | -0.0078 | 0.0631 | 0.0143 | 0.84[N] | -0.0054 | -0.0123 | 0.0024 | 0.0031 | 0.97[N] |