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附录 II 内蒙古典型草原植物叶片碳(C)、氮(N)、磷(P)含量及其比值季节变化趋势的普通最小二乘回归(OLS)分析参数

Supplement II Parameters of seasonal trends for leaf carbon (C), nitrogen (N), phosphorus (P) concentrations and ratios of typical steppe in Nei Mongol, China, analyzed by Ordinary Least Square (OLS) regression

| 因变量 y Dependent variable | 分类标准 Classification standard | 功能类群 Functional group | a | b | c | R ² | p |
|-------------------------------------|------------------------------------|--------------------------|----------------------|-----------------------|-----------------------|----------------|------|
| 碳含量的季节变化趋势 Seasonal trend of C | 发育类群 | 单子叶 Monocotyledons | -9.88 [†] | 2.88 | 431.87 ^{***} | 0.49 | 0.11 |
| | Phylogenetic group | 双子叶 Dicotyledons | -16.04 [*] | 18.53 [*] | 435.43 ^{***} | 0.76 | 0.03 |
| | 生活型 | 多年生禾草 Perennial grasses | -11.51 [†] | 8.64 | 443.66 ^{***} | 0.52 | 0.10 |
| 氮含量的季节变化趋势 Seasonal trend of N | Life form | 多年生杂类草 Perennial forbs | -13.14 ^{**} | 11.84 ^{**} | 429.13 ^{***} | 0.89 | 0.00 |
| | 发育类群 | 单子叶 Monocotyledons | 7.26 ^{**} | -8.40 ^{**} | 24.69 ^{***} | 0.92 | 0.00 |
| | Phylogenetic group | 双子叶 Dicotyledons | 2.68 [*] | -14.83 ^{***} | 32.33 ^{***} | 0.98 | 0.00 |
| 磷含量的季节变化趋势 Seasonal trend of P | 生活型 | 多年生禾草 Perennial grasses | 5.17 ^{**} | -7.85 ^{**} | 23.50 ^{***} | 0.92 | 0.00 |
| | Life form | 多年生杂类草 Perennial forbs | 6.07 ^{**} | -12.41 ^{***} | 29.85 ^{***} | 0.97 | 0.00 |
| | 发育类群 | 单子叶 Monocotyledons | 0.38 [*] | -0.27 [*] | 1.41 ^{***} | 0.80 | 0.02 |
| 碳氮比的季节变化趋势 Seasonal trend of C:N | Phylogenetic group | 双子叶 Dicotyledons | 0.30 [*] | -0.83 ^{***} | 1.75 ^{***} | 0.96 | 0.00 |
| | 生活型 | 多年生禾草 Perennial grasses | 0.13 | -0.19 [†] | 1.22 ^{***} | 0.60 | 0.07 |
| | Life form | 多年生杂类草 Perennial forbs | 0.52 ^{**} | -0.64 ^{**} | 1.75 ^{***} | 0.93 | 0.00 |
| 碳磷比的季节变化趋势 Seasonal trend of C:P | 发育类群 | 单子叶 Monocotyledons | -4.20 ^{**} | 5.73 ^{**} | 18.55 ^{***} | 0.95 | 0.00 |
| | Phylogenetic group | 双子叶 Dicotyledons | -0.92 | 6.84 ^{***} | 14.32 ^{***} | 0.96 | 0.00 |
| | 生活型 | 多年生禾草 Perennial grasses | -3.52 [*] | 6.78 ^{**} | 19.76 ^{***} | 0.93 | 0.00 |
| 氮磷比的季节变化趋势 Seasonal trend of N:P | Life form | 多年生杂类草 Perennial forbs | -2.77 ^{**} | 5.85 ^{***} | 15.44 ^{***} | 0.97 | 0.00 |
| | 发育类群 | 单子叶 Monocotyledons | -64.89 [*] | 45.13 [†] | 330.93 ^{***} | 0.74 | 0.03 |
| | Phylogenetic group | 双子叶 Dicotyledons | -28.77 [*] | 126.52 ^{***} | 267.18 ^{***} | 0.97 | 0.00 |
| 氮磷比的季节变化趋势 Seasonal trend of N:P | 生活型 | 多年生禾草 Perennial grasses | -44.65 | 53.22 [†] | 378.07 ^{***} | 0.57 | 0.08 |
| | Life form | 多年生杂类草 Perennial forbs | -62.21 ^{**} | 83.23 ^{***} | 262.79 ^{***} | 0.97 | 0.00 |
| | 发育类群 | 单子叶 Monocotyledons | 0.70 | -3.14 ^{**} | 17.95 ^{***} | 0.82 | 0.02 |
| 氮磷比的季节变化趋势 Seasonal trend of N:P | Phylogenetic group | 双子叶 Dicotyledons | -1.12 | 0.11 | 18.77 ^{***} | 0.22 | 0.27 |
| | 生活型 | 多年生禾草 Perennial grasses | 1.73 | -3.99 [*] | 19.51 ^{***} | 0.79 | 0.02 |
| | Life form | 多年生杂类草 Perennial forbs | -1.31 [*] | -1.03 [*] | 17.17 ^{***} | 0.80 | 0.02 |

二次项系数(a), 一次项系数(b)和常数项(c)右上角的不同符号代表不同变异来源对特定计量指标影响的显著程度: ***, 0 < p < 0.001; **, 0.001 < p < 0.01; *, 0.01 < p < 0.05; †, 0.05 < p < 0.1。

Different symbols in the upper right corner of the quadratic term coefficient (a), the primary term coefficient (b) and the constant term (c) represent the significance of the influence of different sources of variation on a particular index: ***, 0 < p < 0.001; **, 0.001 < p < 0.01; *, 0.01 < p < 0.05; †, 0.05 < p < 0.1.