**Supplementary file 4.** Summary of the principal component analysis for the four fragmentation indices.

|  |  |
| --- | --- |
| Results | PC1 |
| Eigenvalue | 2.04 |
| Proportion explained | 0.51 |
| Coefficient of the PD | -0.87 |
| Coefficient of the ED | -0.61 |
| Coefficient of the AREA\_MN | 0.93 |
| Coefficient of the ENN | -0.17 |

Note: PD: patch density; ED: edge density; AREA\_MN: mean patch area; ENN: mean nearest-neighbor distance; PC1: the first principal component of the four fragmentation indices.