Table S2: TOC and 13C values (‰; VPDB) of the sediments organic matter, roots of the grasses and the leaves/shoot of the samples collected around the study site.

|  |  |  |
| --- | --- | --- |
| **Identifier** | **TOC** | **13C** |
| **SOM** |  |  |
| PENZI 1 | 1.4 | -24.2 |
| PENZI 2 | 2.8 | -25.7 |
| PENZI 3 | 1.5 | -25.4 |
| PENZI 4 | 3.9 | -25.7 |
| PENZI 5 | 1.9 | -23.9 |
| PENZI 6 | 2.5 | -25.2 |
| PENZI 7 | 9.7 | -25.4 |
| PENZI 8 | 7.0 | -25.8 |
| **Root** |  |  |
| PENZI 1 | 28.7 | -23.8 |
| PENZI 2 | 42.0 | -25.1 |
| PENZI 3 | 38.1 | -28.7 |
| PENZI 4 | 30.2 | -25.9 |
| PENZI 5 | 40.8 | -23.9 |
| PENZI 6 | 27.8 | -24.3 |
| PENZI 7 | 26.9 | -26.0 |
| PENZI 8 | 34.4 | -26.8 |
| **Shoot/leaf** |  |  |
| PENZI 1 | 22.4 | -26.3 |
| PENZI 2 | 28.1 | -26.6 |
| PENZI 3 | 32.6 | -24.9 |
| PENZI 4 | 24.7 | -24.4 |
| PENZI 5 | 36.5 | -25.7 |
| PENZI 7 | 26.9 | -26.0 |
| PENZI 8 | 34.4 | -26.8 |