**S2 Table.** **Mean CH4 concentration (ppm) in soil air of *ex situ* cores at stratified depths.** Values in brackets are standard errors of the mean (n=10). Statistical analyses are shown in Table S3.

|  |  |
| --- | --- |
|  | **Successional Stage** |
| **Depth (cm)** | **Early** | **Mid** | **Late** |
| **5** | 1.92 (0.03)  | 1.86 (0.02)  | 1.78 (0.03)  |
| **15** | 1.84 (0.05)  | 1.71 (0.04)  | 1.63 (0.07)  |
| **25** | 1.82 (0.10)  | 1.49 (0.06)  | 1.42 (0.11)  |
| **35** | 1.81 (0.13)  | 1.43 (0.12) | 1.35 (0.13)  |
| **45** | - | 1.03 (0.06)  | 1.29 (0.10)  |
| **55** | - | 1.87 (0.00)  | 1.30 (0.14)  |
| **65** | - | - | 1.57 (0.16)  |
| **75** | - | - | 1.79 (0.05)  |