**Table S3.** The soil organic carbon content (g kg-1) in all aggregates under different tillage treatments.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Treatments** | **Bulk soil** | **>2 mm** | **0.25-2 mm** | **0.053-0.25 mm** | **<0.053 mm** |
| NTS | 11.33±0.43a | 18.3±0.62a | 19.89±1.o6a | 34.53±0.97a | 25.9±0.21a |
| CT | 10.3±0.43b | 14.62±1.08b | 14.72±0.84b | 18.07±0.99b | 23.72±2.05b |

NTS, No tillage with straw returning; CT, conventional moldboard plowing tillage without straw. The values represent the means±standard errors. The different lower case letters following the numbers indicate the difference between tillage treatments at 5% significance levels.