**Table S3.** Effects of different continuous cropping spans on the relative abundance of nematodes at the genus level

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| OTU ID | Proportion in the groups (%) | | | | | |
| 0-yr | 5-yr | 10-yr | 15-yr | 20-yr | 25-yr |
| *Helicotylenchus* | 33.53a | 47.62a | 53.03a | 19.87a | 11.18a | 55.13a |
| *Discolaimus* | < 0.001 | < 0.001 | 9.42a | < 0.001 | < 0.001 | 3.87a |
| *Leptonchus* | 0.10b | 0.29b | 9.97a | 2.68ab | < 0.001 | < 0.001 |
| *Panagrolaimus* | 33.04a | 4.69a | < 0.001 | < 0.001 | < 0.001 | < 0.001 |
| *Acrobeles* | < 0.001 | 0.57b | 0.89b | 17.17a | 0.06b | 8.75ab |
| *Acrobeloides* | < 0.001 | < 0.001 | 0.02a | < 0.001 | 0.72a | 13.15a |
| *Pristionchus* | < 0.001 | 10.88a | < 0.001 | < 0.001 | < 0.001 | < 0.001 |
| *Tylenchorhynchus* | 29.58 | < 0.001 | < 0.001 | < 0.001 | 7.22 | < 0.001 |
| *Aphelenchoides* | < 0.001 | 0.40a | 0.13a | 1.41a | 3.94a | 5.44a |
| *Tylencholaimellus* | < 0.001 | 0.42a | < 0.001 | < 0.001 | 3.68a | 3.74a |
| *Ditylenchus* | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 | 4.70a |
| *Pratylenchus* | < 0.001 | 6.63a | < 0.001 | < 0.001 | < 0.001 | < 0.001 |
| *Meloidogyne* | < 0.001 | 0.30a | 1.26a | < 0.001 | < 0.001 | 0.67a |
| *Malenchus* | < 0.001 | 1.42a | 0.23a | < 0.001 | 1.30a | 0.60a |
| *Prismatolaimus* | < 0.001 | < 0.001 | 0.55a | 1.93a | < 0.001 | < 0.001 |
| *Proleptonchus* | < 0.001 | 1.36a | < 0.001 | 1.71a | < 0.001 | 0.17a |
| *Eumonhystera* | < 0.001 | 1.72ab | 0.49a | 0.30a | 1.17ab | < 0.001 |
| *Mesocriconema* | < 0.001 | < 0.001 | 0.81a | < 0.001 | < 0.001 | < 0.001 |
| *Robustodorus* | < 0.001 | 1.78a | < 0.001 | < 0.001 | < 0.001 | < 0.001 |
| *Discopersicus* | < 0.001 | < 0.001 | 0.13a | 0.67a | 0.12a | < 0.001 |
| unclassified | 3.75 | 21.73 | 22.68 | 54.26 | 70.59 | 3.72 |
| others | < 0.001 | 0.19 | 0.41 | < 0.001 | < 0.001 | 0.07 |

Note: Different lowercase letters in the significant difference at *p* < 0.05 among groups.