Table S4 Redundancy analysis on soil physicochemical properties and dominant fungal phyla

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Factor | RDA1 | RDA2 | r2 | Pr(>r) |
| Organic matte | -0.987  | 0.164  | 0.074  | 0.370  |
| pH | 0.700  | -0.715  | 0.507  | 0.000  |
| Soil bulk | 0.735  | -0.679  | 0.409  | 0.001  |
| Total nitrogen | -0.231  | 0.973  | 0.114  | 0.187  |
| Total phosphorus | -0.526  | 0.850  | 0.053  | 0.478  |
| Total potassium | -0.569  | 0.822  | 0.034  | 0.588  |
| Available nitrogen | -0.645  | 0.764  | 0.246  | 0.016  |
| Available Phosphorus | 0.168  | 0.986  | 0.015  | 0.864  |
| Available potassium | -0.543  | -0.840  | 0.444  | 0.004  |