

3.2

Table S1.Original data of soil fungal sequencing under different treatments.

Treatment	Effective Reads	AvgLen/bp	Feature OTUs	Coverage/%
CMC	238,275	247	1,185	99.10
BMC	237,485	247	1,157	99.00
CCC	229,166	248	1,027	99.15
CMB	158,244	246	1,181	99.00
BMB	234,653	243	1,006	98.83
BBB	221,833	244	1,182	99.01
CCM	151,917	247	1,228	98.88
CBM	204,660	245	1,163	99.02
BBM	167,116	245	1,191	99.15
BCM	157,670	244	1,122	98.99

3.3

Table S2. Soil fungal specific OTU under different treatments.

Treatment	Feature OTU
CMC	OTU885 Unclassified OTU1337 Ascomycota, Eurotiomycetes, Eurotiales, Elaphomycetaceae, <i>Elaphomyces_leucosporus</i> OTU1462 Basidiomycota, Agaricomycetes, Trechisporales, Hydnodontaceae, Trechispora, Trechispora_microspora
BMC	OTU1075 Basidiomycota, Unclassified OTU574 Ascomycota, Unclassified OTU1094 Ascomycota, Eurotiomycetes, Eurotiales, Aspergillaceae, <i>Penicillium</i> , Unclassified
CCC	OTU4139 Mortierellomycota, Mortierella, <i>Mortierella_calciophila</i> OTU822 Ascomycota, Dothideomycetes, Pleosporales, Leptosphaeriaceae, <i>Leptosphaeria</i> , <i>Leptosphaeria_maculans</i>
CMB	OTU1987 Unclassified OTU996 Basidiomycota, Unclassified
BMB	OTU986 Mortierellomycota, <i>Mortierella</i> , Unclassified
BBB	OTU620 Ascomycota, Sordariomycetes, Sordariales, Unclassified
CCM	No
CBM	OTU1113 Unclassified OTU1419 Unclassified OTU922 Basidiomycota, Unclassified
BBM	OTU819 Unclassified OTU851 Ascomycota, Dothideomycetes, Pleosporales, Didymosphaeriaceae, <i>Kalmusia</i> , <i>Kalmusia_longispora</i>
BCM	OTU1004 Unclassified