

S3 Table. Fungal OTU associated with *Meloidogyne incognita* with significantly different abundance between the soils M10.23 and M10.56 (average \pm SEM). Significance was inferred using a negative binomial regression and generalized linear model fit (nbGLM). A Likelihood ratio test was used, complemented with a post-hoc false discovery rate multiple correction test (LHR FDR, $P < 0.05$). Analysis was done using the EdgeR package.

Phylum	Class	Species	OTU	Soil M10.23	Soil M10.56	FDR <i>P</i>
Ascomycota	Chaetomiaceae	<i>Chaetomium aterrimum</i>	SH204872.07FU	0	0.599 \pm 0.599	0.022
Ascomycota	Incertae sedis	<i>Candida tropicalis</i>	SH201993.07FU	0.015 \pm 0.009	7.287 \pm 7.284	0.024
Ascomycota	Pyronemataceae	unidentified	SH213756.07FU	0.001 \pm 0.001	0.984 \pm 0.984	0.022
Ascomycota	Trichocomaceae	<i>Penicillium aurantiogriseum</i>	SH407694.07FU	0.004 \pm 0.002	4.269 \pm 4.159	0.017
Ascomycota	unidentified	unidentified	SH210351.07FU	0.005 \pm 0.004	0.978 \pm 0.929	0.024
Ascomycota	unidentified	unidentified	SH212862.07FU	0.002 \pm 0.002	0.984 \pm 0.984	0.021
Ascomycota	unidentified	<i>Dothideomyces</i> sp.	SH213019.07FU	0.002 \pm 0.001	2.297 \pm 2.297	0.017
Basidiomycota	Incertae sedis	<i>Hannaella oryzae</i>	SH219461.07FU	0.003 \pm 0.001	6.931 \pm 6.931	0.017
Ascomycota	Incertae sedis	<i>Cephalophora tropica</i>	SH217807.07FU	1.25 \pm 1.25	0.001 \pm 0.001	0.022
Ascomycota	Nectriaceae	unidentified	SH219102.07FU	3.80 \pm 3.78	0.003 \pm 0.001	0.029
Ascomycota	unidentified	<i>Pleosporales</i> sp.	SH206635.07FU	1.79 \pm 1.79	0.001 \pm 0.001	0.017
Basidiomycota	Incertae sedis	<i>Cryptococcus heimaeyensis</i>	SH181631.07FU	5.49 \pm 5.47	0.001 \pm 0.001	0.017
Chytridiomycota	Rhizophydiaceae	<i>Rhizophydium</i> sp.	SH210678.07FU	0.35 \pm 0.35	0.001 \pm 0.001	0.029
unidentified	unidentified	<i>Fungi</i> sp.	SH195781.07FU	0.60 \pm 0.60	0	0.024