

Table S6. Chao1, Michaelis-Menten-Fit (MMF), observed OTUs, Shannon indices, Simpson indices and coverage at 3% genetic distance (species level) calculated for fertilized soil samples

Sample	Obs. OTUs	MMF	Coverage MMF (%)	Chao1	Coverage Chao1 (%)	Shannon index	Simpson index
fe.1.apr10.D	3,533.50	7,443.72	47	8,352.01	42	6.83	0.99
fe.1.apr10.R	3,362.60	8,377.43	40	9,350.91	36	6.16	0.98
fe.1.apr11.D	3,661.00	8,273.90	44	9,543.51	38	6.75	0.99
fe.1.apr11.R	2,485.30	5,171.73	48	6,180.17	40	5.60	0.96
fe.1.jul10.D	3,549.90	7,135.18	50	8,192.97	43	7.01	0.99
fe.1.jul10.R	3,502.20	8,610.54	41	9,708.60	36	6.06	0.96
fe.1.jul11.D	3,397.00	7,386.63	46	8,243.70	41	6.60	0.99
fe.1.jul11.R	2,215.90	4,924.85	45	5,882.24	38	5.05	0.94
fe.1.sep10.D	3,730.40	8,137.87	46	9,269.85	40	6.93	0.99
fe.1.sep10.R	3,348.20	8,030.63	42	9,260.66	36	6.16	0.97
fe.1.sep11.D	4,017.70	8,818.65	46	9,885.08	41	7.19	1.00
fe.1.sep11.R	2,485.50	5,220.93	48	6,490.45	38	5.65	0.96
fe.2.apr10.D	2,433.40	5,075.13	48	6,357.31	38	5.67	0.97
fe.2.apr10.R	2,216.40	5,056.07	44	6,021.05	37	4.69	0.88
fe.2.apr11.D	3,024.10	7,005.35	43	8,325.98	36	5.97	0.97
fe.2.apr11.R	2,350.60	5,361.83	44	6,195.84	38	5.13	0.94
fe.2.jul10.D	3,314.70	6,785.17	49	8,416.30	39	6.87	1.00
fe.2.jul10.R	2,856.80	6,488.34	44	7,889.27	36	5.83	0.97
fe.2.jul11.D	2,932.20	6,764.50	43	7,989.55	37	5.78	0.95
fe.2.jul11.R	2,301.20	5,243.51	44	6,093.79	38	4.88	0.91
fe.2.sep10.D	3,300.90	7,005.74	47	8,543.74	39	6.71	0.99
fe.2.sep10.R	2,887.00	6,745.33	43	7,970.75	36	5.77	0.97
fe.2.sep11.D	3,025.10	6,804.79	44	7,999.27	38	6.06	0.97
fe.2.sep11.R	2,280.10	5,177.16	44	6,214.42	37	4.91	0.92
fe.3.apr10.D	2,410.80	4,875.85	49	6,174.85	39	5.73	0.97
fe.3.apr10.R	2,407.90	5,357.96	45	6,448.21	37	5.20	0.94
fe.3.apr11.D	3,327.00	8,053.37	41	9,271.08	36	5.93	0.94
fe.3.apr11.R	2,471.30	5,688.88	43	6,828.62	36	5.37	0.96
fe.3.jul10.D	3,161.90	6,534.74	48	8,005.74	39	6.57	0.99
fe.3.jul10.R	2,435.10	5,778.43	42	6,872.45	35	5.11	0.94
fe.3.jul11.D	3,249.70	7,683.24	42	8,773.27	37	5.96	0.95
fe.3.jul11.R	2,301.70	5,289.29	44	6,249.79	37	5.07	0.94
fe.3.sep10.D	3,439.70	7,595.30	45	8,608.86	40	6.71	0.99
fe.3.sep10.R	2,644.50	6,357.24	42	7,579.46	35	5.43	0.96
fe.3.sep11.D	3,254.90	7,617.83	43	8,901.00	37	6.01	0.95
fe.3.sep11.R	2,376.60	5,520.48	43	6,495.67	37	5.21	0.95

Table S3 continued: Chao1, michaelis-menten-fit (MMF), observed OTUs, Shannon-, Simpson-indices, and the coverage of chao1 and MMF in % at 3% genetic distance calculated for non-fertilized soil samples

Sample	Obs. OTUs	MMF	coverage MMF %	Chao1	coverage Chao1 %	Shannon corr.	Simpson
nf.1.apr10.D	2,880.50	6,374.64	45	7,631.01	38	5.98	0.97
nf.1.apr10.R	2,435.70	5,128.78	47	6,267.89	39	5.54	0.96
nf.1.apr11.D	3,600.00	8,344.67	43	9,629.26	37	6.59	0.98
nf.1.apr11.R	2,419.70	5,353.16	45	6,388.14	38	5.42	0.96
nf.1.jul10.D	2,938.80	6,409.38	46	7,744.69	38	6.08	0.98
nf.1.jul10.R	3,259.20	7,750.36	42	8,626.49	38	6.18	0.98
nf.1.jul11.D	3,376.30	7,529.48	45	8,930.88	38	6.51	0.98
nf.1.jul11.R	2,394.10	5,908.84	41	6,950.88	34	4.90	0.92
nf.1.sep10.D	3,032.90	6,858.83	44	8,108.52	37	5.93	0.96
nf.1.sep10.R	3,112.20	7,287.10	43	8,723.44	36	6.03	0.97
nf.1.sep11.D	3,239.90	7,151.90	45	8,733.32	37	6.39	0.98
nf.1.sep11.R	2,401.40	5,400.19	44	6,368.17	38	5.28	0.95
nf.2.apr10.D	2,950.20	6,044.58	49	7,178.80	41	6.43	0.99
nf.2.apr10.R	2,731.70	5,895.18	46	7,040.79	39	5.90	0.97
nf.2.apr11.D	3,402.70	8,023.85	42	9,263.07	37	6.33	0.97
nf.2.apr11.R	2,643.30	6,209.03	43	7,535.76	35	5.46	0.96
nf.2.jul10.D	2,521.40	4,686.95	54	5,794.76	44	6.33	0.99
nf.2.jul10.R	2,413.70	5,337.76	45	6,506.61	37	5.38	0.96
nf.2.jul11.D	3,006.40	6,854.37	44	8,309.71	36	6.10	0.97
nf.2.jul11.R	2,256.50	5,149.60	44	6,264.86	36	5.10	0.95
nf.2.sep10.D	2,636.20	4,989.75	53	6,535.58	40	6.24	0.98
nf.2.sep10.R	3,167.20	7,413.04	43	8,623.58	37	6.08	0.97
nf.2.sep11.D	3,078.60	6,902.05	45	8,050.91	38	6.11	0.97
nf.2.sep11.R	2,325.70	5,727.57	41	6,665.32	35	4.83	0.92
nf.3.apr10.D	3,891.40	8,703.98	45	0,062.35	39	7.01	0.99
nf.3.apr10.R	2,952.20	6,921.75	43	8,134.66	36	5.84	0.97
nf.3.apr11.D	3,023.90	7,490.27	40	8,839.03	34	5.69	0.95
nf.3.apr11.R	2,823.80	6,707.73	42	7,384.02	38	5.59	0.96
nf.3.jul10.D	2,506.20	4,947.26	51	6,186.17	41	5.92	0.98
nf.3.jul10.R	3,306.70	8,004.72	41	8,706.97	38	6.08	0.97
nf.3.jul11.D	3,272.80	7,811.78	42	8,807.20	37	6.22	0.98
nf.3.jul11.R	2,817.20	6,887.81	41	7,675.72	37	5.50	0.95
nf.3.sep10.D	2,630.50	5,442.65	48	6,742.54	39	6.07	0.99
nf.3.sep10.R	3,162.80	7,590.92	42	8,698.21	36	5.91	0.96
nf.3.sep11.D	2,956.30	6,610.75	45	7,512.26	39	6.03	0.98
nf.3.sep11.R	2,722.00	5,999.56	45	6,976.53	39	5.72	0.97