

Table S1. ANOVA of soil total PLFAs, bacterial PLFAs, fungal PLFAs, F/ B ratios, GP bacterial PLFAs, GN bacterial PLFAs, the ratio of GP bacterial PLFAs to GN bacterial PLFAs and arbuscular mycorrhizal fungi (AMF) PLFAs in different soil depths (0-10 cm, 10-20 cm and 20-30 cm) under pomegranate plantation of same year (a) and in same depth under different years (b). (P1, pomegranate plantation for 1 year; other names (P3; P5; P10) are in the same manner)

	Stand age (a)								Depth (cm) (b)					
	P1		P3		P5		P10		0-10		10-20		20-30	
	F	P	F	P	F	P	F	P	F	P	F	P	F	P
Total PLFAs	5.370	0.024	5.262	0.023	29.434	<0.001	13.134	0.001	6.799	0.004	4.036	0.026	2.092	0.144
Bacterial PLFAs	5.236	0.025	4.947	0.027	27.499	<0.001	12.403	0.001	6.435	0.005	4.045	0.026	2.238	0.126
Fungal PLFAs	5.964	0.018	7.557	0.008	43.886	<0.001	17.345	<0.001	8.886	0.001	3.904	0.029	1.299	0.311
F/ B ratios	1.434	0.280	19.758	<0.001	31.690	<0.001	25.830	<0.001	10.134	0.001	1.915	0.168	5.050	0.013
GP bacterial PLFAs	3.771	0.057	5.517	0.020	12.605	0.001	7.925	0.006	5.325	0.010	6.973	0.003	3.605	0.039
GN bacterial PLFAs	7.347	0.009	6.881	0.010	41.266	<0.001	18.120	<0.001	7.057	0.003	2.667	0.083	1.991	0.159
GP/ GN ratios	34.345	<0.001	15.740	<0.001	11.846	0.001	27.156	<0.001	15.543	<0.001	7.444	0.002	5.149	0.012
AMF PLFAs	7.098	0.010	6.020	0.015	38.934	<0.001	18.749	<0.001	8.483	0.001	3.023	0.060	1.422	0.276