

## Supporting information

**Table S1. The abundance (Individuals per 10 g dry soil substrate; Mean ± SD) of soil Acari, collembola and other soil arthropods at different treatment sites at the Safari Zoological Center, Israel, December 2013.** OE = open place under enclosure, OT = open place under trampling; EE = *E. camaldulensis* canopy habitat under enclosure, ET = *E. camaldulensis* canopy habitat under trampling, TE = *T. aphylla* canopy habitat under enclosure, TT = *T. aphylla* canopy habitat under trampling, CE = *C. sempervirens* canopy habitat under enclosure, CT = *C. sempervirens* canopy habitat under trampling. “-” means none.

Group	Taxa	OE	OT	EE	ET	TE	TT	CE	CT
Mite	Adelphacaridae	0.8±1.5	-	-	-	-	-	-	-
	Arenohydracaridae	-	-	-	-	0.5±1.0	-	-	-
	Barbutiidae	0.3±0.5	-	0.5±1.0	-	0.8±1.0	-	-	-
	Bdellidae	1.0±2.0	-	-	-	0.5±1.0	-	-	-
	Brachychthoniidae	-	-	0.3±0.5	-	-	-	-	-
	Ceratozetidae	0.3±0.5	-	-	-	-	-	-	-
	Charassobatidae	-	-	-	-	-	-	0.5±1.0	-
	Cosmochthoniidae	-	-	0.8±1.0	-	0.5±1.0	-	2.5±5.0	-
	Cohort Astigmatina	-	-	-	-	-	0.3±0.5	-	-
	Collohmanniidae	-	-	0.3±0.5	-	0.3±0.5	-	-	-
	Cryptognathidae	0.5±1.0	-	1.0±2.0	-	-	-	0.3±0.5	-
	Cunaxidae	-	-	0.3±0.5	-	-	-	-	-
	Elliptochthoniidae	-	-	-	-	0.3±0.5	-	-	-
	Epilohmanniidae	1.5±3.0	-	-	-	-	-	-	-
	Eremulidae	0.8±1.5	-	-	-	0.5±1.0	0.3±0.5	-	-
	Eremaeidae	-	-	-	-	1.0±1.4	-	-	-
	Eupalopsellidae	-	-	-	-	-	-	0.3±0.5	-

Group	Taxa	OE	OT	EE	ET	TE	TT	CE	CT
	Eulohmanniidae	1.0±2.0	-	0.8±1.5	-	-	-	0.3±0.5	-
	Euphthiracaroidea	-	-	0.8±1.5	-	0.8±1.5	-	-	-
	Galumnidae	-	-	-	-	0.3±0.5	-	0.3±0.5	-
	Gymnodamaeidae	-	-	1.0±2.0	-	0.5±0.6	-	-	-
	Halacaridae	1.5±3.0	-	0.3±0.5	-	0.5±1.0	0.3±0.5	-	-
	Haplochthoniidae	-	-	-	-	-	0.3±0.5	-	-
	Hermannidae	1.0±2.0	-	-	-	-	-	1.3±2.5	-
	Hydrachnidae	-	-	1.0±2.0	-	-	0.8±1.5	-	-
	Hypochthoniidae	0.5±1.0	-	-	-	-	-	-	-
	Labidostomatidae	-	-	-	-	-	-	0.3±0.5	-
	Mesostigmata	0.8±1.5	-	-	-	-	-	-	-
	Myobiidae	-	-	-	-	0.3±0.5	-	-	-
	Oribatellidae	-	-	-	-	0.3±0.5	0.3±0.5	-	-
	Paratydeidae	1.0±1.4	-	0.8±1.5	-	1.0±1.4	1.0±1.2	-	2.8±2.2
	Passalozetidae	0.5±1.0	-	-	-	-	-	0.3±0.5	-
	Pediculochelidae	0.5±1.0	-	-	-	0.5±1.0	-	-	-
	Perlohmanniidae	-	-	-	-	0.3±0.5	-	-	-
	Phytoseiidae	-	-	-	-	-	-	0.3±0.5	-
	Pomerantziidae	-	-	-	-	-	0.3±0.5	-	-
	Polypterozetidae	-	-	0.3±0.5	-	-	-	-	-
	Protoplophoridae	0.5±1.0	-	0.3±0.5	-	-	-	-	-
	Prostigmata larvae	-	-	-	-	-	0.3±0.5	-	-
	Raphignathidae	-	-	0.8±1.5	-	-	-	-	-
	Tarsocheylididae	0.3±0.5	-	-	-	-	-	-	-
	Torrenticodidae	-	-	0.3±0.5	-	-	-	-	-

Group	Taxa	OE	OT	EE	ET	TE	TT	CE	CT
	Tydeidae	-	-	-	-	-	0.8±1.5	-	-
	Geophilomorpha	-	-	-	-	-	-	0.3±0.5	-
	<b>Total</b>	<b>12.5±5.1</b>	-	<b>9.0±3.5</b>	-	<b>8.5±2.6</b>	<b>4.3±2.6</b>	<b>6.3±4.8</b>	<b>2.8±2.2</b>
Collembola		11.5±8.7	-	6.5±8.3	0.5±1.0	0.5±1.0	0.5±1.0	3.0±1.8	-
Other soil arthropods		1.0±2.0	-	-	-	-	-	0.5±1.0	-