

Supplementary material

Table S1. Results obtained from SIMPER analysis when comparing those pairs of parasitoid Hymenoptera families assemblages with significant differences ($p < 0.05$). Av diss = Average of dissimilarity; Contrib % = % of contribution; Ced = *Cedrela odorata*; Cor = *Cordia thaisiana*; Swi = *Swietenia macrophylla*; Tab = *Tabebuia rosea*.

<i>Ced-Swi</i>					<i>Ced-Tab</i>			
Family	Av diss	Contrib %	Mean abundance		Av diss	Contrib %	Mean abundance	
			Ced	Swi			Ced	Tab
Diapriidae	4.859	12.09	2.05	1.62	5.03	11.92	2.05	2.14
Encyrtidae	4.819	11.98	1.78	2.48	5.168	12.24	1.78	2.78
Scelionidae	4.458	11.09	3.14	3.77	5.318	12.6	3.14	3.41
Braconidae	3.01	7.488	1.09	1.14	2.953	6.997	1.09	0.79
Ceraphronidae	2.887	7.182	0.861	0.788	2.704	6.405	0.861	0.559
Platygastridae	2.824	7.026	0.749	1.07	2.803	6.639	0.749	0.872
Mymaridae	2.723	6.773	2.32	2.42	3.483	8.252	2.32	2.41
Figitidae	2.705	6.73	0.777	1.03	2.764	6.548	0.777	1.28
Ichneumonidae	2.163	5.381	0.654	0.357	2.417	5.727	0.654	0.648
Pteromalidae	1.733	4.311	0.457	0.273	1.829	4.334	0.457	0.353
Chalcididae	1.633	4.062	0.101	0.489	1.124	2.662	0.101	0.267
Eucharitidae	1.509	3.754	0.339	0.326	1.645	3.897	0.339	0.381
Bethylidae	1.405	3.496	0.381	0.142	1.309	3.102	0.381	0.0833
Dryinidae	0.9521	2.369	0.243	0.0833	1.048	2.483	0.243	0.125
Eulophidae	0.9205	2.29	0.208	0.125	0.8012	1.898	0.208	0.0833
Eurytomidae	0.5402	1.344	0.0417	0.125	0.3559	0.8432	0.0417	0.0589
Trichogrammatidae	0.3775	0.9392	0	0.125	0.3707	0.8781	0	0.125
Evaniidae	0.2361	0.5873	0.0417	0.0417	0.1353	0.3206	0.0417	0
Eupelmidae	0.1937	0.482	0.0722	0	0.4263	1.01	0.0722	0.0833
Chrysididae	0.135	0.3359	0.0417	0	0.3348	0.7932	0.0417	0.0833
Signiphoridae	0.1168	0.2905	0	0.0417	0	0	0	0
Aphelinidae	0	0	0	0	0.1916	0.4539	0	0.0589
<i>Cor-Swi</i>								
Family	Av diss	Contrib %	Mean abundance					
			Cor	Swi				
Diapriidae	4.869	12.92	2.57	1.62				

Scelionidae	3.925	10.42	3.28	3.77
Encyrtidae	3.755	9.966	2.73	2.48
Mymaridae	2.772	7.358	2.49	2.42
Platygastridae	2.548	6.764	1.14	1.07
Ichneumonidae	2.537	6.733	0.932	0.357
Figitidae	2.517	6.681	0.928	1.03
Ceraphronidae	2.511	6.665	0.901	0.788
Braconidae	2.236	5.935	1.03	1.14
Pteromalidae	2.01	5.336	0.672	0.273
Eucharitidae	1.657	4.398	0.475	0.326
Chalcididae	1.586	4.21	0.256	0.489
Eulophidae	1.329	3.526	0.451	0.125
Bethylidae	1.101	2.923	0.298	0.142
Trichogrammatidae	0.4825	1.281	0.0722	0.125
Dryinidae	0.4532	1.203	0.0833	0.0833
Eurytomidae	0.3989	1.059	0	0.125
Aphelinidae	0.2395	0.6358	0.101	0
Evaniidae	0.2279	0.6051	0.0417	0.0417
Eupelmidae	0.2058	0.5462	0.0833	0
Signiphoridae	0.1926	0.5111	0.0417	0.0417
Chrysididae	0.1214	0.3223	0.0417	0

Table S2. Results obtained from SIMPER analysis when comparing those pairs of Coleoptera families assemblages with significant differences ($p < 0.05$) amongst timber trees. Av diss = Average of dissimilarity; Contrib % = % of contribution; Cor = *Cordia thaisiana*; Tab = *Tabebuia rosea*.

<i>Cor-Tab</i> Family	Av diss	Contrib %	Mean abundance	
			Cor	Tab
Chrysomelidae	11.21	20.44	3.28	2.30
Scarabaeidae	7.26	13.24	0.954	1.24
Coccinellidae	6.338	11.56	0.9	0.623
Elateridae	5.693	10.38	0.719	0.483
Staphylinidae	2.363	4.309	0.0417	0.309
Curculionidae	3.89	7.095	0.302	0.485
Aphodiidae	2.916	5.318	0.156	0.397
Scydmaenidae	2.765	5.043	0.267	0.25
Biphyllidae	1.242	2.264	0.0589	0.167
Hybosoridae	0.7051	1.286	0.0417	0.0833
Histeridae	0.7296	1.331	0	0.101
Mordellidae	1.904	3.472	0.235	0.0833
Pselaphidae	0.3966	0.7233	0	0.0417
Carabidae	0.9643	1.759	0.0417	0.0833
Dytiscidae	0.6417	1.171	0	0.101
Erotylidae	0.6396	1.166	0.0833	0
Cicindelidae	0.5749	1.048	0	0.0833
Anthricidae	0.4884	0.8906	0.0833	0
Rutelidae	0.2095	0.382	0.0417	0
Lycidae	1.471	2.683	0.214	0
Lampyridae	0	0	0	0
Colydiidae	0.2963	0.5403	0.0589	0
Rhizophagidae	0	0	0	0
Mycetophagidae	0	0	0	0
Meloidae	0	0	0	0

Table S3. Results obtained from SIMPER analysis when comparing those pairs of Coleoptera families assemblages with significant differences ($p < 0.05$) amongst cacao cultivars. Av diss = Average of dissimilarity; Contrib % = % of contribution; Guas = Guasare; Lob = Lobatera; Mer = Merideño.

<i>Guas-Lob</i>					<i>Guas-Mer</i>				
Family	Av diss	Contrib %	Mean abundance		Av diss	Contrib %	Mean abundance		
			Guas	Lob			Guas	Mer	
Chrysomelidae	10.2	18.64	2.39	2.75	8.57	16.57	2.39	2.76	
Scarabaeidae	8.777	16.05	1.08	1.52	9.877	19.09	1.08	2	
Coccinellidae	6.447	11.79	0.648	0.847	6.287	12.15	0.648	0.969	
Elateridae	6.163	11.27	0.454	0.79	5.382	10.4	0.454	0.755	
Staphylinidae	2.777	5.077	0.0833	0.359	1.187	2.296	0.0833	0.125	
Curculionidae	3.869	7.073	0.243	0.461	3.678	7.111	0.243	0.476	
Aphodiidae	1.604	2.933	0.203	0.0589	2.2	4.254	0.203	0.156	
Scydmaenidae	4.031	7.37	0.167	0.51	2.763	5.341	0.167	0.292	
Biphyllidae	1.599	2.923	0	0.25	1.109	2.144	0	0.201	
Hybosoridae	0.2362	0.4319	0	0.0417	0.7628	1.475	0	0.114	
Histeridae	0.5045	0.9224	0.0417	0.0417	0.7677	1.484	0.0417	0.0589	
Mordellidae	1.304	2.384	0.0417	0.177	1.485	2.871	0.0417	0.226	
Pselaphidae	0.7035	1.286	0.101	0	0.9304	1.799	0.101	0.0417	
Carabidae	0.6932	1.267	0.0417	0.0417	0.2674	0.517	0.0417	0	
Dytiscidae	0	0	0	0	0.725	1.402	0	0.101	
Erotylidae	1.031	1.884	0.0833	0.0417	0.6998	1.353	0.0833	0	
Cicindelidae	0.2362	0.4319	0	0.0417	0	0	0	0	
Anthicidae	0.5252	0.9603	0.0417	0.0589	0.9476	1.832	0.0417	0.125	
Rutelidae	0.2466	0.4508	0	0.0417	0.2206	0.4265	0	0.0417	
Lycidae	0.8874	1.622	0.0417	0.101	0.5034	0.9731	0.0417	0.0417	
Lampyridae	0.2236	0.4088	0	0.0417	0	0	0	0	
Colydiidae	0.2772	0.5068	0	0.0417	0.504	0.9744	0	0.101	
Rhizophagidae	0	0	0	0	0.192	0.3712	0	0.0417	
Mycetophagidae	0	0	0	0	0.222	0.4293	0	0.0417	