

Appendix 1. Mean abundance by site type, for beetle species with more than 20 individuals. Species are grouped within families/ subfamilies. Values represent the mean abundance for site groups. Number of replicate sites is given in brackets. F rainforest (18 sites), P pasture (6), I interior (4), E edge (4), S small remnant (5), N northern (5). *P* (1), *P* (2) are the result of ANOVA comparisons. *P* (2) compared only I, E, S site types.

Species	Rainforest-pasture comparison			Rainforest comparison				
	F	P	<i>P</i> (1)	I	E	S	N	<i>P</i> (2)
Carabidae								
<i>Homethes sp. 1</i>	0.78	0.00	0.1591	0.00	1.00	0.60	6.80	
<i>Dilonchus pictus</i>	1.08	0.00	0.0039	1.00	1.00	1.20	2.20	
<i>Pentagonica blanda</i>	1.03	0.12	0.067	0.25	2.00	1.80	2.40	
<i>Lecanomerus limbatus</i>	0.75	0.12	0.133	1.50	1.00	0.20	2.20	
Leiodidae								
<i>Pseudonemadus sp. 1</i>	8.59	0.00	<0.0001	12.75	6.50	9.40	14.20	0.6716
<i>Pseudonemadus sp. 2</i>	2.31	0.00	0.0008	3.25	2.50	3.00	4.20	0.8141
<i>Colon sp. 1</i>	2.30	0.00	0.0006	2.00	3.00	4.40	2.80	0.2798
<i>Colon sp. 2</i>	0.95	0.00	0.0069	1.00	0.75	1.20	2.00	
<i>Nargiotes sp. 1</i>	0.91	0.00	0.1257	7.00	1.50	1.20	0.00	0.2041
<i>Nargiotes sp. 2</i>	0.96	0.00	0.1156	8.75	1.75	0.80	0.00	0.0513
<i>Colensia sp. 1</i>	1.65	0.00	0.0336	3.25	5.25	6.40	0.00	0.3734
<i>Colensia sp. 2</i>	1.07	0.00	0.0329	0.50	0.50	2.20	3.40	
<i>Colensia sp. 8</i>	0.73	0.00	0.0545	0.50	0.25	0.60	3.00	
<i>Zeadolopus sp. 1</i>	2.01	0.00	0.0111	1.00	3.75	6.40	3.80	0.4014
<i>Zeadolopus sp. 2</i>	2.27	0.00	0.0006	0.50	1.75	5.00	4.60	0.0103
<i>Zeadolopus sp. 4</i>	0.81	0.12	0.1032	0.50	2.00	2.60	0.00	0.1261
<i>Zeadolopus sp. 5</i>	5.63	0.00	0.0033	16.75	20.75	17.00	1.60	0.7148
<i>Zeadolopus sp. 6</i>	10.05	0.20	<0.0001	16.25	16.50	22.20	3.00	0.5076
Histeridae								
<i>Pheidoliphila ? sp. 2</i>	0.61	0.00	0.2714	8.25	2.50	0.00	0.00	0.2027
<i>Platysoma sp. 1</i>	0.83	0.00	0.0716	0.25	0.25	1.00	4.00	
<i>Chlamydopsis sp. 1</i>	0.68	0.00	0.1116	0.00	0.00	2.80	2.00	
<i>Chlamydopsis sp. 2</i>	0.40	0.26	0.7628	0.00	0.00	0.20	4.20	
<i>Abraeomorphus sp. 1</i>	0.83	0.00	0.0335	0.25	1.00	1.20	2.40	
Pselaphinae								
<i>Txys sp. 1</i>	4.60	0.00	0.0069	7.25	11.25	1.80	50.80	0.0672
<i>Paraplectus sp. 1</i>	3.25	0.00	0.0093	19.25	10.25	1.00	1.20	0.0025
<i>Limoniates sp. 1</i>	2.37	0.00	0.0019	3.25	6.75	3.20	2.20	0.894
<i>Quotidiaplectus sp. 1</i>	0.74	0.00	0.0725	1.25	1.00	1.00	1.80	
<i>Austroeuplectus sp. 1</i>	1.25	0.00	0.0469	5.25	6.25	0.20	0.20	0.0007
<i>Orlandia sp. 2</i>	0.90	0.00	0.0188	0.75	2.25	1.00	1.20	
<i>Platomesus sp. 1</i>	1.08	0.00	0.0537	3.25	3.00	1.60	1.20	0.6643
<i>Platomesus sp. 6</i>	1.18	0.00	0.0043	0.75	1.75	2.40	1.20	0.0722
<i>Sagola sp. 1</i>	0.86	0.00	0.0927	4.50	3.50	0.00	0.20	0.0051
<i>Sagola sp. 3</i>	2.60	0.00	0.0013	5.00	6.50	4.00	1.00	0.7248
<i>Eupines sp. 10</i>	0.51	0.00	0.1786	0.50	0.25	0.40	3.00	
Scaphidiinae								
<i>Baeocera sp. 1</i>	3.22	0.70	0.0873	0.25	3.75	5.60	14.80	0.0199
<i>Baeocera sp. 2</i>	0.95	0.00	0.0687	0.50	0.25	3.00	3.20	
<i>Baeocera sp. 3</i>	0.94	0.00	0.0267	0.25	1.25	3.40	0.60	0.1229
<i>Baeocera sp. 4</i>	1.07	0.00	0.0021	1.00	1.00	1.80	1.40	
Scarabaeinae								
<i>Amphistomas sp. 1</i>	1.49	0.00	0.0899	17.75	4.25	3.40	0.40	0.6677
<i>Amphistomas NQ3</i>	1.26	0.00	0.021	6.00	2.00	0.20	0.80	<0.0001
<i>Amphistomas complanatus</i>	0.98	0.00	0.0137	0.50	2.25	0.40	2.40	
<i>Boletoscapter cornutus</i>	1.11	0.00	0.0478	0.75	0.75	3.40	3.20	0.5983
<i>Lepanus pisoniae</i>	3.36	0.00	0.0143	5.50	7.50	18.40	2.40	0.6413
<i>Lepanus parapisoniae</i>	0.47	0.00	0.2273	3.00	1.50	0.60	0.00	0.8293
<i>Onthophagus wilgi</i>	1.05	0.00	0.0933	7.50	1.25	0.40	2.60	0.1808
<i>Lepanus nitidus/ dichrous</i>	1.61	0.00	0.0421	6.00	6.25	1.60	1.60	0.1407

<i>Temnoplectron subvolitans</i>	1.33	0.00	0.189	4.50	0.00	0.20	32.20		
<i>Temnoplectron politulum</i>	4.85	0.00	0.0044	9.75	9.75	21.00	3.80	0.7252	
<i>Monoplistes curvipes</i>	0.34	0.00	0.451	0.00	0.00	0.20	9.20		
<i>Lepanus globulus</i>	9.77	0.00	<0.0001	11.00	12.50	13.00	12.20	0.839	
<i>Onthophagus pillara</i>	2.19	0.12	0.0229	9.25	3.75	4.00	0.80	0.3474	
<i>Coptodactyla depressa</i>	0.94	0.00	0.1245	1.75	0.25	3.80	4.60	0.4944	
<i>Onthophagus dicranocerus</i>	3.84	0.00	0.0003	5.75	6.25	9.00	1.60	0.8394	
<i>Onthophagus darlingtoni</i>	6.92	0.00	0.0002	16.50	5.50	14.80	7.20	0.4834	
<i>Onthophagus capelliformis</i>	1.83	0.00	0.0039	2.25	4.25	2.80	1.60	0.3619	
<i>Onthophagus wagamen</i>	0.87	0.00	0.1113	7.25	2.75	0.20	0.20	0.1191	
<i>Onthophagus paluma</i>	0.44	0.00	0.3795	0.00	0.25	0.00	12.00		
<i>Onthophagus yungaburra</i>	0.58	0.00	0.1741	0.00	0.00	0.60	4.00		
<i>Onthophagus waminda</i>	1.20	0.00	0.021	1.75	4.00	0.80	1.60	0.2536	
<i>Onthophagus millamilla</i>	1.25	0.00	0.0444	0.25	3.50	6.20	0.40	0.0817	
<i>Onthophagus gulmarri</i>	0.57	0.00	0.1694	0.75	0.00	2.80	1.40		
<i>Demarziella sp. 1</i>	0.29	0.00	0.4298	0.25	0.25	0.00	4.40		
Laemophloeidae									
<i>Laemophloes sp. 1</i>	0.78	0.00	0.0283	2.25	1.75	0.60	0.20		
<i>Laemophloes sp. 2</i>	1.35	0.00	0.0237	0.25	4.00	4.20	0.80	0.0378	
<i>Placontus sp. 1</i>	2.43	0.00	0.0151	3.00	7.00	12.20	1.20	0.8031	
<i>Microlaemus brightensis</i>	1.14	0.00	0.0013	0.75	1.75	1.60	1.40		
Zopheridae									
<i>Colobicones oculatus</i>	2.96	0.00	0.0033	8.00	7.00	4.80	2.20	0.4447	
<i>Colobicones australis</i>	1.94	0.00	0.0028	4.75	2.25	3.80	1.00	0.5691	
Chrysomelidae									
<i>Rhyphardia minuscula</i>	0.65	0.51	0.7765	0.75	0.25	1.00	2.40		
<i>Amphimeloides sp. 1</i>	0.57	0.00	0.1944	0.50	0.00	1.60	3.20		
Scolytinae									
<i>Coccotrypes carpophagus</i>	2.64	0.00	0.0002	1.50	2.25	5.20	4.60	0.1578	
<i>Xyleborus sp. 3</i>	3.05	0.00	0.0046	9.25	6.25	0.40	8.00	0.0084	
<i>Xyleborus sp. 4</i>	0.60	0.00	0.1167	0.25	1.00	0.00	3.00		
<i>Xyleborus ferrugineus</i>	1.04	0.70	0.4931	0.50	1.00	1.80	2.00		
<i>Xyleborus compressus</i>	1.06	0.00	0.0139	2.00	1.50	0.80	1.80		