

Supplementary material to:

BASSET, Y., MISSA, O., ALONSO, A., MILLER, S.E., CURLETTI, G., DE MEYER, M., EARDLEY, C.D., MANSELL, M.W., NOVOTNY, V. & WAGNER, T. (2008). Faunal turnover of arthropod assemblages along a wide gradient of disturbance in Gabon. *African Entomology* **16**(1): 47–59.

Appendix 1. Total abundance of identified species (at least to genus) in the different habitats studied. Species are listed alphabetically by families, detailing the site for which the maximum indicator value was recorded (Site); the maximum indicator value (IV); and the *P*-value of Monte Carlo permutations testing the statistical significance of the maximum indicator value. Olf = Old forests; Yof = young forests; Sav = savanna; Gar = gardens.

Taxon/Code	Species	Olf	Yof	Sav	Gar	Site	IV (%)	<i>P</i>
Buprestidae								
COBUPR05	<i>Agrilus (Agrilus) kraatzii</i> Kerremans, 1899	1	1	–	–	–	–	–
COBUPR14	<i>Agrilus (Melagrilus) escaleraei</i> Obenberger, 1921	–	1	–	–	–	–	–
COBUPR04	<i>Agrilus (Pinarius) subgriseus</i> Kerremans, 1898	–	1	–	–	–	–	–
COBUPR06	<i>Agrilus (Robertius) africanus</i> Kerremans, 1899	2	–	–	–	–	–	–
COBUPR15	<i>Agrilus (Robertius) gibbosus</i> Kerremans, 1899	1	–	–	–	–	–	–
COBUPR10	<i>Agrilus (Robertius) pertener</i> Obenberger, 1935	–	1	–	–	–	–	–
COBUPR19	<i>Agrilus (Robertius) sp. 1</i>	1	–	–	–	–	–	–
COBUPR11	<i>Agrilus (Robertius) zebratus</i> Curletti, 1999	–	–	–	1	–	–	–
COBUPR02	<i>Aphanisticus cf. bourgoini</i> Obenberger, 1928	–	1	–	1	–	–	–
COBUPR08	<i>Aphanisticus sp. 1</i>	–	–	1	9	–	–	–
COBUPR01	<i>Chrysobothris dorsata</i> Fabricius, 1787	–	–	26	37	L	11	0.001
COBUPR18	<i>Habroloma cf. cara</i> Kerremans, 1913	1	–	–	–	–	–	–
COBUPR13	<i>Parataenia chrysochlora</i> Palisot, 1805	–	1	–	–	–	–	–
COBUPR12	<i>Sambus sp. 1</i>	–	–	2	2	–	–	–
COBUPR03	<i>Trachys sp. 1</i>	1	1	–	1	–	–	–
COBUPR17	<i>Zitella sp. 1</i>	–	–	–	1	–	–	–
Cerambycidae								
COCERA47	<i>Arrhytmus fenestratus</i> (Belon)	4	–	–	–	–	–	–
COCERA32	<i>Calybistum sp. 1</i>	–	1	–	–	–	–	–
COCERA05	<i>Chromalizus sp. 1</i>	1	–	–	–	–	–	–
COCERA07	<i>Coptops sp. 1</i>	–	1	–	14	K	8.6	0.004
COCERA26	<i>Cordoxylamia cordifera</i> (Chevrolat)	1	–	–	–	–	–	–
COCERA10	<i>Cordylomera apicalis</i> Thomson	1	1	–	1	–	–	–
COCERA12	<i>Domitia sp. 1</i>	2	1	–	–	–	–	–
COCERA13	<i>Freya floccifera</i> Quedenfeldt	–	1	–	–	–	–	–
COCERA02	<i>Glenea mephisto</i> Thomson	3	3	–	–	–	–	–
COCERA20	<i>Hippopsicon sp. ? lactollum</i> Thompson	–	1	–	–	–	–	–

Taxon/Code	Species	Olf	Yof	Sav	Gar	Site	IV (%)	P
COCERA30	<i>Litopus</i> sp. 1	5	–	–	–	–	–	–
COCERA29	<i>Litopus</i> sp. 2	1	–	–	–	–	–	–
COCERA25	<i>Metallyra</i> sp. 1	1	–	–	–	–	–	–
COCERA49	<i>Metallyra</i> sp. 2	–	1	–	–	–	–	–
COCERA38	<i>Monochamus griseoplagiatus</i> Thomson	–	1	–	–	–	–	–
COCERA18	<i>Monochamus</i> sp. 1	–	1	–	–	–	–	–
COCERA28	<i>Monochamus</i> sp. 2	–	1	–	–	–	–	–
COCERA27	<i>Nothophysis stuhlmanni</i> (Kolbe)	2	–	1	–	–	–	–
COCERA48	<i>Pachydissus</i> sp. 1	–	1	–	–	–	–	–
COCERA37	<i>Pachydissus</i> sp. 2	1	–	–	–	–	–	–
COCERA31	<i>Pellamnia gripha</i> Jordan	1	–	–	–	–	–	–
COCERA23	<i>Phytoecia (Blepisanus) incensa</i> (Pascoe)	–	1	–	–	–	–	–
COCERA09	<i>Promecidus linearis</i> (Linnaeus)	6	–	–	–	–	–	–
COCERA01	<i>Pseudoxylamia trianguligera</i> (Aurivillius)	6	4	–	–	–	–	–
COCERA24	<i>Velleda bassamensis</i> (Breuning)	–	1	–	–	–	–	–
Chrysomelidae								
COCHRY101	<i>Barombiella violacea</i> (Jacoby, 1894)	1	1	–	–	–	–	–
COCHRY64	cf. <i>Beiratia</i> sp. 1	–	–	1	–	–	–	–
COCHRY30	<i>Bonesia</i> sp. 1	–	29	–	1	E	29.6	0.001
COCHRY106	<i>Diacantha</i> sp. 1	–	2	–	–	–	–	–
COCHRY38	<i>Exosoma</i> sp. 1	–	2	–	–	–	–	–
COCHRY91	<i>Exosoma</i> sp. 2	–	–	–	5	–	–	–
COCHRY167	<i>Exosoma</i> sp. 3	–	1	–	–	–	–	–
COCHRY130	<i>Exosoma</i> sp. 4	–	–	–	1	–	–	–
COCHRY59	<i>Exosoma</i> sp. 5	3	–	–	–	–	–	–
COCHRY90	<i>Galerudolphia</i> sp. 1	–	–	1	–	–	–	–
COCHRY89	<i>Galerudolphia tenuicornis</i> (Jacoby, 1899)	8	64	2	5	D	13.3	0.002
COCHRY114	<i>Hespera</i> sp. 1	–	1	–	–	–	–	–
COCHRY112	<i>Lamprocopa</i> sp. 1	–	–	–	2	–	–	–
COCHRY28	<i>Lema</i> sp. 1	–	–	1	–	–	–	–
COCHRY126	<i>Lema</i> sp. 2	–	–	–	1	–	–	–
COCHRY128	<i>Lema</i> sp. 3	–	–	–	2	–	–	–

Taxon/Code	Species	Olf	Yof	Sav	Gar	Site	IV (%)	P
COCHRY118	<i>Lema</i> sp. 4	–	–	–	1	–	–	–
COCHRY107	<i>Lema</i> sp. 5	–	1	–	–	–	–	–
COCHRY108	<i>Lema</i> sp. 6	1	–	–	–	–	–	–
COCHRY25	<i>Lema</i> sp. 7	–	–	–	10	–	–	–
COCHRY93	<i>Lema</i> sp. 8	–	3	–	1	–	–	–
COCHRY60	<i>Lema</i> sp. 9	–	1	1	4	–	–	–
COCHRY58	<i>Lema</i> sp. 10	–	–	–	5	–	–	–
COCHRY36	cf. <i>Luperus</i> sp. 1	–	–	2	14	K	7.4	0.001
COCHRY76	<i>Leptaulaca</i> sp. 1	–	3	–	5	–	–	–
COCHRY70	<i>Medythia</i> sp. 1	–	–	–	3	–	–	–
COCHRY133	<i>Monolepta alwineae</i> Wagner, 2002	2	–	–	1	–	–	–
COCHRY02	<i>Neobarombiella prasina</i> (Weise, 1906)	–	3	–	1	–	–	–
COCHRY29	<i>Neobarombiella</i> sp. 1	2	7	–	1	–	–	–
COCHRY54	<i>Neobarombiella</i> sp. 2	–	5	–	–	–	–	–
COCHRY37	<i>Neobarombiella</i> sp. 3	–	–	3	1	–	–	–
COCHRY46	<i>Neobarombiella</i> sp. 5	–	18	–	–	D	14	0.001
COCHRY132	<i>Neobarombiella</i> sp. 6	1	–	–	–	–	–	–
COCHRY35	<i>Neobarombiella</i> sp. 7	19	–	–	–	A	6.1	0.011
COCHRY170	<i>Neobarombiella</i> sp. 8	1	–	1	2	–	–	–
COCHRY66	<i>Ootheca</i> sp. 1	–	4	–	–	–	–	–
COCHRY110	<i>Platyxantha</i> sp. 1	1	1	1	–	–	–	–
COCHRY32	<i>Platyxantha</i> sp. 3	1	–	–	–	–	–	–
COCHRY69	<i>Smaragrina scitula</i> Lacordaire, 1848	–	–	–	28	K	31.6	0.001
COCHRY116	<i>Sphaeroderma</i> sp. 1	1	–	1	25	–	–	–
COCHRY67	<i>Strobiderus</i> sp. 1	–	–	–	1	–	–	–
Berothidae								
NEBERO01	<i>Podallea</i> sp.	3	4	–	–	–	–	–
Chrysopidae								
NECHRY05	<i>Ankylopteryx</i> sp. 1	4	1	–	–	–	–	–
NECHRY06	<i>Chrysoperla pudica</i> (Navás, 1914)	1	–	2	1	–	–	–
NECHRY02	<i>Chrysoperla</i> sp. 1	–	–	–	4	–	–	–
NECHRY01	<i>Italochrysa</i> sp. 1	–	–	6	1	–	–	–

Taxon/Code	Species	Olf	Yof	Sav	Gar	Site	IV (%)	P
NECHRY03	<i>Oyochrysa ancora</i> Brooks	3	1	–	1	–	–	–
NECHRY04	<i>Spilomyilus ? tristis</i> Tjeder, 1957	4	–	–	–	–	–	–
Dilaridae								
NEDILA01	<i>Nallachus</i> sp. 1	2	–	–	–	–	–	–
Myrmeleontidae								
NEMYRM05	<i>Creoleon nubifer</i> (Kolbe, 1898)	–	–	1	1	–	–	–
NEMYRM04	<i>Gymnoleon</i> sp. 1	–	–	1	1	–	–	–
NEMYRM07	<i>Macroleon lynceus</i> (Fabricius, 1787)	–	2	–	–	–	–	–
NEMYRM01	<i>Myrmeleon obscurus</i> Rambur, 1842	2	–	10	56	L	24.4	0.001
NEMYRM06	<i>Nemoleon iolanthe</i> (Banks, 1911)	–	–	–	1	–	–	–
NEMYRM02	<i>Nemoleon notatus</i> (Rambur, 1842)	–	–	1	–	–	–	–
NEMYRM13	<i>Nemoleon risi</i> (Esbe–Petersen, 1916)	–	–	2	1	–	–	–
NEMYRM03	<i>Nemoleon</i> sp. 1	1	–	4	3	–	–	–
Pipunculidae								
DIP1P117	<i>Cephalops vinnulus</i> Hardy	–	–	1	–	–	–	–
DIP1P107	<i>Eudorylas excisus</i> Hardy	–	–	–	4	–	–	–
DIP1P106	<i>Eudorylas mutilatus</i> (Loew)	–	–	1	–	–	–	–
DIP1P103	<i>Eudorylas</i> sp. 1	–	1	–	–	–	–	–
DIP1P109	<i>Eudorylas</i> sp. 2	–	–	–	1	–	–	–
DIP1P118	<i>Eudorylas</i> sp. 3	–	–	–	1	–	–	–
DIP1P110	<i>Eudorylas</i> sp. 4	–	–	5	2	–	–	–
DIP1P120	<i>Eudorylas</i> sp. 5	–	–	2	1	–	–	–
DIP1P121	<i>Eudorylas</i> sp. 6 (new)	–	–	–	1	–	–	–
DIP1P119	<i>Eudorylas</i> sp. 7 (new)	–	–	–	3	–	–	–
DIP1P123	<i>Eudorylas</i> sp. 8 (new)	–	1	–	1	–	–	–
DIP1P124	<i>Eudorylas</i> sp. 9	–	–	–	1	–	–	–
DIP1P102	<i>Eudorylas</i> sp. 10	–	–	–	2	–	–	–
DIP1P112	<i>Eudorylas</i> sp. 11	–	–	2	–	–	–	–
DIP1P122	<i>Eudorylas</i> sp. 12	–	–	–	1	–	–	–
DIP1P113	<i>Microcephalops fulvicaudus</i> De Meyer	–	–	–	6	–	–	–
DIP1P114	<i>Tomosvaryella ancylostyla</i> Hardy	–	–	4	18	K	6	0.011
DIP1P116	<i>Tomosvaryella</i> cf. <i>africana</i>	–	–	5	11	J	4.1	0.069

Taxon/Code	Species	Olf	Yof	Sav	Gar	Site	IV (%)	P
DIPIPI01	<i>Tomosvaryella cf. transvaalensis</i>	–	–	6	3	–	–	–
DIPIPI15	<i>Tomosvaryella mbuyensis</i> Hardy	–	–	1	2	–	–	–
DIPIPI11	<i>Tomosvaryella</i> sp. 1	–	–	–	3	–	–	–
DIPIPI08	<i>Tomosvaryella subvirescens</i> Loew	–	–	5	2	–	–	–
Apidae								
HYAPOI29	<i>Afranthidium (Immanthidium)</i> sp. 1	–	–	–	2	–	–	–
HYAPOI83	<i>Allodape interrupta</i> Vachal	–	–	5	6	–	–	–
HYAPOI13	<i>Allodape mea</i> Strand	1	–	3	7	–	–	–
HYAPOI72	<i>Amegilla kaimosica</i> (Cockerell)	–	–	1	–	–	–	–
HYAPOI10	<i>Apis mellifera</i> Linnaeus	4	5	18	33	L	15	0.001
HYAPOI36	<i>Braunsapis calidula</i> (Cockerell)	–	–	–	1	–	–	–
HYAPOI47	<i>Braunsapis facialis</i> (Gerstaecker)	–	–	–	21	L	31	0.001
HYAPOI64	<i>Braunsapis luapalana</i> (Cockerell)	–	2	45	29	I	12.4	0.001
HYAPOI02	<i>Braunsapis</i> sp. 1	–	–	3	95	L	26	0.001
HYAPOI16	<i>Ceratina (Ceratrina)</i> sp. 1	–	–	3	5	–	–	–
HYAPOI23	<i>Ceratina (Ceratrina)</i> sp. 2	–	–	1	–	–	–	–
HYAPOI43	<i>Ceratina (Ceratrina)</i> sp. 3	–	–	3	4	–	–	–
HYAPOI68	<i>Ceratina (Ceratrina)</i> sp. 4	–	–	3	7	–	–	–
HYAPOI14	<i>Ceratina (Pithitis) viridis</i> (Guerin)	–	–	1	3	–	–	–
HYAPOI19	<i>Liotrigona bottegoi</i> (Magretti)	1	–	2	2	–	–	–
HYAPOI18	<i>Meliponula lendliana</i> (Friese)	2	–	2	1	–	–	–
HYAPOI33	<i>Xylocopa imitator</i> Smith	1	–	–	–	–	–	–
Halictidae								
HYAPOI37	<i>Ceylalictus ?muiri</i> (Cockerell)	–	–	–	13	L	8.1	0.005
HYAPOI25	<i>Ceylalictus</i> sp. 1	–	–	2	27	L	10.8	0.001
HYAPOI49	<i>Lipotriches (Lipotriches)</i> sp. 1	–	1	1	54	K	16.4	0.001
HYAPOI50	<i>Lipotriches (Lipotriches)</i> sp. 2	–	–	2	70	L	20	0.001
HYAPOI48	<i>Lipotriches (Lipotriches)</i> sp. 3	–	–	1	33	K	39.6	0.001
HYAPOI78	<i>Lipotriches (Lipotriches)</i> sp. 4	–	–	–	5	–	–	–
HYAPOI74	<i>Lipotriches (Lipotriches)</i> sp. 5	–	–	1	3	–	–	–
HYAPOI27	<i>Lipotriches (Lipotriches)</i> sp. 6	–	–	–	1	–	–	–
HYAPOI65	<i>Lipotriches (Lipotriches)</i> sp. 7	–	–	–	1	–	–	–

Taxon/Code	Species	Olf	Yof	Sav	Gar	Site	IV (%)	P
HYAPOI22	<i>Lipotriches (Lipotriches)</i> sp. 8	2	–	–	1	–	–	–
HYAPOI71	<i>Lipotriches (Lipotriches)</i> sp. 9	–	–	1	–	–	–	–
HYAPOI28	<i>Halictus (Seladonia)</i> sp. 1	–	–	6	57	K	24.2	0.001
HYAPOI35	<i>Halictus (Seladonia)</i> sp. 2	–	1	1	14	K	11.8	0.001
HYAPOI12	<i>Lasioglossum (Ctenonomia)</i> sp. 1	–	–	33	53	K	13.3	0.001
HYAPOI73	<i>Lasioglossum (Ctenonomia)</i> sp. 2	–	–	–	25	L	37.9	0.001
HYAPOI58	<i>Lasioglossum (Ctenonomia)</i> sp. 3	1	–	–	20	K	25.6	0.001
HYAPOI30	<i>Nomia (Acunomia)</i> sp. 1	–	–	–	21	K	25.6	0.001
HYAPOI62	<i>Nomia (Acunomia)</i> sp. 2	–	–	–	2	–	–	–
HYAPOI76	<i>Nomia (Acunomia)</i> sp. 3	–	–	–	5	–	–	–
HYAPOI61	<i>Patellapis (Chaetalictus)</i> sp. 1	–	–	–	3	–	–	–
HYAPOI51	<i>Patellapis (Chaetalictus)</i> sp. 2	–	8	1	133	K	61.9	0.001
HYAPOI56	<i>Pseudapis (Pachynomia)</i> sp. 1	–	–	–	2	–	–	–
HYAPOI93	<i>Pseudapis (Pachynomia)</i> sp. 2	–	–	3	12	K	9.8	0.002
HYAPOI11	<i>Pseudapis (Pachynomia)</i> sp. 3	–	–	26	68	L	37.6	0.001
HYAPOI54	<i>Sphecodes</i> sp. 1	–	–	–	1	–	–	–
HYAPOI55	<i>Thrinchostoma (Thrinchostoma)</i> sp. 1	–	1	1	1	–	–	–
Megachilidae								
HYAPOI40	<i>Megachile (Chalicodoma)</i> sp. 1	1	–	–	–	–	–	–
HYAPOI79	<i>Megachile (Chalicodoma)</i> sp. 2	1	–	–	–	–	–	–
HYAPOI07	<i>Megachile (Creightonella)</i> sp. 1	–	–	1	–	–	–	–
HYAPOI45	<i>Megachile (Creightonella) discolor</i> Smith	–	–	5	–	–	–	–
HYAPOI20	<i>Megachile (Eutricharacea)</i> sp. 1	–	–	–	2	–	–	–
HYAPOI17	<i>Megachile (Eutricharacea)</i> sp. 2	–	–	–	1	–	–	–
HYAPOI42	<i>Megachile (Megella)</i> sp. 1	–	–	6	3	–	–	–
HYAPOI46	<i>Megachile (Megella)</i> sp. 2	–	1	–	–	–	–	–