Digital supplementary material to

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Appendix S1: Number and mean $\delta\ ^{15}N$ values of the three soil layers of our studied forest types. Standard deviations (SD) in parentheses.

Forest type	Soil layer	n	$\delta\ ^{15}N$
Alluvial forest	leaf litter	18	0.69 (± 1.16)
	topsoil	15	2.40 (± 1.00)
	undersoil	10	4.10 (± 0.50)
Limestone forest	leaf litter	10	-1.11 (± 0.29)
	topsoil	13	0.23 (± 0.87)
	undersoil	0	not present
Kerangas	leaf litter	7	-1.41 (± 0.70)
	topsoil	8	0.37 (± 0.30)
	undersoil	9	3.24 (± 0.97)
Dipterocarp forest	leaf litter	13	-0.50 (± 0.47)
	topsoil	16	1.37 (± 0.57)
	undersoil	10	4.98 (± 0.97)

Appendix S2: List of arthropods used as references for herbivores and predators. For each forest type, we give order and taxon name of these arthropods, their classification as herbivores (H) or predators (P), their sample size, mean of their δ ^{15}N values including standard deviation (SD). Each group (herbivores / predators) of the four forest types is summarised at the end of the respective list with sample size, Mean value and SD.

Order	Taxon	H / P	N	Mean	SD
alluvial forest					
Lepidoptera	Lepidoptera indet. caterpillar	H	1	1.60	
Orthoptera	Tetrigidae	H	6	0.09	1.35
Orthoptera	Orthoptera indet.	H	1	2.29	
mean all herbivores (alluvial)		**H**	**8**	**0.55**	**1.44**
Coleoptera	Staphylinidae indet.	P	2	7.55	0.72
Coleoptera	Staphylinidae: Steninae indet.	P	1	8.33	
Coleoptera	Carabidae indet.	P	3	5.61	1.36
Coleoptera	Carabidae: Scaritini indet.	P	1	4.91	
Coleoptera	Carabidae: Brachinini indet.	P	1	7.45	
Coleoptera	Carabidae: Cicindelitae indet.	P	2	6.29	0.35
Heteroptera	Reduviidae indet.	P	4	5.88	1.16
Araneae	Salticidae indet.	P	4	5.47	1.65
Araneae	Salticidae: *Myrmarachne* sp.	P	1	4.27	
Araneae	Araneae indet.	P	6	6.06	1.73
mean all predators (alluvial)		**P**	**25**	**6.55**	**1.44**
limestone forest					
Lepidoptera	Lepidoptera indet. caterpillar	H	6	-0.47	1.13
Lepidoptera	Psychidae indet. caterpillar	H	1	-2.08	
Orthoptera	Tetrigidae indet.	H	1	-1.96	
Coleoptera	Curculionidae indet.	H	1	-1.88	
mean all herbivores (limestone)		**H**	**9**	**0.97**	**1.17**
Coleoptera	Staphylinidae indet.	P	6	1.35	2.14
Coleoptera	Carabidae: Cicindelitae indet.	P	1	2.98	
Heteroptera	Reduviidae indet.	P	2	2.16	0.40
Araneae	Araneae indet.	P	3	4.01	1.20
mean all predators (limestone)		**P**	**12**	**2.29**	**1.92**
kerangas					
Orthoptera	Gryllidae indet.	H	2	-0.54	0.21
Orthoptera	Orthoptera indet.	H	3	0.79	1.09
Coleoptera	Curculionidae indet.	H	2	-0.12	0.09
mean all herbivores (kerangas)			**7**	**0.15**	**0.89**
Coleoptera	Staphylinidae indet.	P	2	2.58	4.47
Heteroptera	Reduviidae indet.	P	1		
Araneae	Salticidae indet.	P	2	5.76	0.34
Araneae	Araneae indet.	P	3	7.26	1.35
mean all predators (kerangas)			**8**	**5.91**	**2.89**
dipterocarp forest					
Lepidoptera	Lepidoptera indet.	H	1	-0.90	
Orthoptera	Tetrigidae indet.	H	2	0.62	0.29
Orthoptera	Orthoptera indet.	H	1	1.00	
Coleoptera	Curculionidae indet.	H	3	1.22	0.21
mean all herbivores (dipterocarp)			**7**	**0.72**	**0.89**
Coleoptera	Staphylinidae indet.	P	7	3.27	1.89
Coleoptera	Carabidae indet.	P	1	7.97	
Coleoptera	Carabidae: Cicindelitae indet.	P	1	5.88	
Araneae	Araneae indet.	P	4	5.56	1.86
mean all predators (dipterocarp)			**13**	**4.54**	**2.89**

Appendix S3: δ $^{15}N_{cor}$ values of the 151 species used in this study. Given are the species names including species authorities; subfamilies; collecting methods (W = Winkler, B = Barber trap, K = Bait, O = Opportunistic, S = Sweep-netting of lowest vegetation layer); sample size N; mean of δ ^{15}N values; their SD if applicable and the habitat in which these species were collected (A: alluvial forest, D: dipterocarp forest, K: kerangas and L: limestone forest). The isotope values we show here are from all forest types, so we used corrected values for calculating the mean.

Species	**Subfamily**	**Collecting Methods**	**N**	**Mean δ $^{15}N_{cor}$**	**SD**	**Habitat**
Aenictus dentatus FOREL, 1911	Aenictinae	O	1	4.67		A
Aenictus gracilis EMERY, 1893	Aenictinae	O	1	4.99		D
Aenictus laeviceps SMITH, 1857	Aenictinae	O	4	4.20	0.667	A L
Aenictus pfeifferi ZETTEL & SORGER, 2010	Aenictinae	O	3	5.18	0.320	A
Myopopone castanea SMITH, 1860	Ambyoponinae	O	1	7.11		A
Mystrium camillae EMERY, 1889	Ambyoponinae	W	8	9.29	0.493	A L K D
Cerapachys sp. 1	Cerapachyinae	W	6	9.03	0.473	A L K D
Cerapachys sp. 7	Cerapachyinae	W	4	7.17	1.254	A D
Dolichoderus affinis EMERY, 1889	Dolichoderinae	O	1	1.87		L
Dolichoderus cuspidatus SMITH, 1857	Dolichoderinae	O	1	1.54		L
Dolichoderus indrapurensis FOREL, 1912	Dolichoderinae	O	4	1.00	0.227	A
Philidris sp. 1	Dolichoderinae	O, K	4	5.88	0.120	A L
Tapinoma melanocephalum FABRICIUS, 1783	Dolichoderinae	W	1	7.57		L
Technomyrmex kraepelini FOREL, 1905	Dolichoderinae	W	2	2.99	0.480	L
Technomyrmex lisae FOREL, 1913	Dolichoderinae	W	12	3.57	0.843	A L K
Technomyrmex modiglianii EMERY, 1990	Dolichoderinae	W	3	2.57	0.572	D
Dorylus laevigatus SMITH, 1857	Dorylinae	O	1	6.42		D
Gnamptogenys binghamii (FOREL, 1990)	Ectatomminae	W	2	7.11	0.258	K D
Gnamptogenys cribrata (EMERY, 1990)	Ectatomminae	W	8	7.70	1.426	A L K D
Gnamptogenys palamala (LATTKE, 2004)	Ectatomminae	W	1	4.47		A
Acropyga sp. 3	Formicinae	W	2	7.14	1.277	D
Camponotus arrogans (SMITH, 1857)	Formicinae	W, B, K, O	9	3.21	1.041	A L K D
Camponotus gigas (LATREILLE, 1802)	Formicinae	B, K, O	18	2.88	0.668	A L K D
Camponotus saundersi EMERY, 1889	Formicinae	O	7	1.51	1.040	A L K
Camponotus sp. 2	Formicinae	B	1	0.21		A
Camponotus sp. 3	Formicinae	B	1	1.63		A
Myrmoteras donisthorpei WHEELER, 1916	Formicinae	W	3	5.03	0.585	L D
Nylanderia sp. 1	Formicinae	W	6	4.04	0.835	A K D
Nylanderia sp. 2	Formicinae	W	1	4.24		D
Oecophylla smaragdina (FABRICIUS, 1775)	Formicinae	B, O	4	4.10	0.400	A K
Paraparatrechina sp. 1	Formicinae	W	2	4.41	0.909	A
Paratrechina longicornis (LATREILLE, 1802)	Formicinae	O	3	5.47	0.434	A K
Polyrhachis abdominalis SMITH, 1858	Formicinae	O	5	0.87	0.468	A
Polyrhachis inermis SMITH, 1858	Formicinae	O, S	2	-0.03	0.221	A
Polyrhachis nigropilosa MAYR, 1872	Formicinae	O	2	2.90	0.491	K D
Prenolepis sp. 1	Formicinae	W	1	2.72		L
Prenolepis sp. 2	Formicinae	W	1	4.59		A
Prenolepis sp. 3	Formicinae	W	1	5.38		A
Pseudolasius sp. 1	Formicinae	W	3	8.70	1.989	K D
Pseudolasius sp. 4	Formicinae	W	2	4.23	0.434	D
Acanthomyrmex concavus MOFFET, 1986	Myrmicinae	O	1	6.61		A
Acanthomyrmex ferox (EMERY, 1883)	Myrmicinae	W	12	4.79	1.053	A L K D
Aphaenogaster sp. 1	Myrmicinae	W, K	1	5.69		A
Calyptomyrmex ryderae SHATTUCK, 2011	Myrmicinae	W	1	6.41		A
Crematogaster (*Decacrema*) sp.	Myrmicinae	O	1	0.72		A
Crematogaster difformis SMITH, 1857	Myrmicinae	O	2	2.22	0.534	A

Crematogaster inflata Smith, 1857	Myrmicinae	O	1	2.97		L
Crematogaster modiglianii Emery, 1900	Myrmicinae	B, K, O	7	3.36	1.384	A L K
Crematogaster rogenhoferi Mayr, 1879	Myrmicinae	O	1	5.45		A
Crematogaster sp. 1	Myrmicinae	W	7	5.83	1.422	L K D
Crematogaster sp. 2	Myrmicinae	W	1	4.67		L
Crematogaster sp. 9	Myrmicinae	W	7	5.31	1.615	L K D
Eurhopalothrix jennya Taylor, 1990	Myrmicinae	W	1	6.51		L
Eurhopalothrix omnivaga Taylor, 1990	Myrmicinae	W	3	7.23	0.229	L D
Lophomyrmex bedoti Emery, 1893	Myrmicinae	W, B, K	16	4.86	0.618	A L K
Lophomyrmex longicornis Rigato, 1994	Myrmicinae	W, B, K	10	4.95	1.178	A L
Meranoplus malaysianus Schödl, 1998	Myrmicinae	W	1	5.00		A
Monomorium sp. 1	Myrmicinae	W	4	5.31	0.325	A L D
Monomorium sp. 2	Myrmicinae	W	1	7.60		D
Myrmecina sp. 1	Myrmicinae	W	2	6.61	0.076	A
Myrmecina sp. 2	Myrmicinae	W	4	7.80	0.807	A D
Myrmicaria brunnea Saunders, 1842	Myrmicinae	B, O	11	4.70	0.870	A L
Myrmicaria lutea Emery, 1900	Myrmicinae	O	1	-0.67		A
Myrmicaria melanogaster Emery, 1900	Myrmicinae	O	1	2.95		A
Myrmicaria sp. PSE (code of Bakhtiar)	Myrmicinae	O	1	4.98		A
Carebara sp. 1	Myrmicinae	W	5	7.23	0.469	A K D
Carebara sp. 2	Myrmicinae	W	5	6.35	0.574	A K D
Carebara sp. 3	Myrmicinae	W	3	8.49	0.291	K D
Carebara sp. 4	Myrmicinae	W	1	4.20		D
Carebara sp. 6	Myrmicinae	W	1	5.91		A
Pheidole aglae Forel, 1913	Myrmicinae	W, B, K	3	4.77	0.234	A K
Pheidole annexus Eguchi, 2001	Myrmicinae	W	4	6.50	0.871	K D
Pheidole aristotelis Forel, 1913	Myrmicinae	W	8	5.74	0.993	A L K D
Pheidole cf. *clypeocornis* Eguchi, 2001	Myrmicinae	W	2	4.95	0.014	K
Pheidole cf. *kikutai* Eguchi, 2001	Myrmicinae	W	7	5.86	0.928	A D
Pheidole fervens F. Smith, 1858	Myrmicinae	W	1	5.84		D
Pheidole gombakensis Eguchi, 2001	Myrmicinae	W	2	6.63	1.378	K
Pheidole havilandi Forel, 1911	Myrmicinae	W	1	4.70		D
Pheidole huberi Forel, 1911	Myrmicinae	W	1	4.99		A
Pheidole longipes F. Smith, 1857	Myrmicinae	W	4	5.70	1.224	K D
Pheidole lucioccipitalis Eguchi, 2001	Myrmicinae	W	4	5.23	0.155	D
Pheidole parvicorpus Eguchi, 2001	Myrmicinae	W	6	6.92	1.075	K D
Pheidole plagiaria F. Smith, 1860	Myrmicinae	W	2	6.70	1.601	A D
Pheidole planidorsum Eguchi, 2001	Myrmicinae	W	1	5.25		L
Pheidole quadrensis Forel, 1900	Myrmicinae	W	10	5.15	0.670	A L D
Pheidole quadricuspis Emery, 1990	Myrmicinae	W	2	5.38	0.517	A
Pheidole retivertex Eguchi, 2001	Myrmicinae	W	2	5.60	0.571	K D
Pheidole rugifera Eguchi, 2001	Myrmicinae	W	6	5.47	0.526	D
Pheidole sabahna Eguchi, 2000	Myrmicinae	O	1	6.62		D
Pheidole sauberi Forel, 1905	Myrmicinae	W	2	5.19	1.128	A
Pheidole tjibodana Forel, 1905	Myrmicinae	W	2	5.89	1.371	A D
Pheidole upeniki Forel, 1913	Myrmicinae	W	2	7.54	0.066	K D
Pheidologeton affinis Jerdon, 1851	Myrmicinae	W, B, K	4	6.42	3.146	A K D
Pheidologeton pygmaeus Emery, 1867	Myrmicinae	O	1	5.80		A
Pheidologeton silenus (Smith, 1858)	Myrmicinae	W	1	8.03		L
Pristomyrmex rigidus Wang, 2003	Myrmicinae	W	1	6.71		L
Proatta butteli Forel, 1912	Myrmicinae	W	9	5.48	0.918	L D
Pyramica aello Bolton, 2000	Myrmicinae	W	1	8.53		D
Pyramica mitis Brown, 2000	Myrmicinae	W	1	6.50		K

Recurvidris browni Bolton, 1992	Myrmicinae	W	1	6.41		A
Strumigenys aechme Bolton, 2000	Myrmicinae	W	3	4.60	0.269	A L D
Strumigenys ignota Bolton, 2000	Myrmicinae	W	1	7.18		L
Strumigenys macerina Bolton, 2000	Myrmicinae	W	1	6.58		A
Strumigenys naberia Bolton, 2000	Myrmicinae	W	1	7.04		A
Strumigenys rofocala Bolton, 2000	Myrmicinae	W	7	7.38	1.255	A L D
Strumigenys rotogenys Bolton, 2000	Myrmicinae	W, O	7	5.59	0.343	A
Strumigenys signeae Forel, 1905	Myrmicinae	W	3	5.99	0.520	D
Tetramorium sp. (*chepocha*-group)	Myrmicinae	W	2	6.07	0.628	K
Tetramorium sp. (*scabrosum*-group)	Myrmicinae	W	2	5.88	0.426	L K
Tetramorium curtulum Emery, 1895	Myrmicinae	W	3	6.44	0.435	A K
Tetramorium meshena (Bolton, 1976)	Myrmicinae	W	2	5.18		A
Tetramorium insolens (Smith, 1861)	Myrmicinae	W	1	5.42	1.418	K
Tetramorium sp. near *vertigum* Bolton, 1977	Myrmicinae	W	9	5.38	0.912	A L K
Vollenhovia sp. 1	Myrmicinae	W	2	7.14	0.836	D
Anochetus sp. 1	Ponerinae	W	3	7.11	0.812	A L
Anochetus sp. 2	Ponerinae	W	8	6.37	1.015	A L K D
Diacamma sp. 1	Ponerinae	B, K, O	10	5.65	0.990	A L K D
Emeryopone buttelreepeni (Forel, 1912)	Ponerinae	W	2	4.05	0.023	A L
Hypoponera sp. 16	Ponerinae	W	1	8.19		K
Hypoponera sp. 1	Ponerinae	W	1	7.63		A
Hypoponera sp. 10	Ponerinae	W	3	7.11	0.203	A L
Hypoponera sp. 11	Ponerinae	W	1	7.21		L
Hypoponera sp. 14	Ponerinae	W	2	6.91	0.183	A D
Hypoponera sp. 3	Ponerinae	W	9	6.97	1.535	A L K D
Hypoponera sp. 4	Ponerinae	W	2	5.08	2.181	A L
Hypoponera sp. 7	Ponerinae	W	6	7.64	1.035	A L K D
Hypoponera sp. 9	Ponerinae	W	1	8.02		A
Hypoponera sp. AL16B	Ponerinae	W	9	6.93	1.211	A K D
Leptogenys sp. 1	Ponerinae	B, O	4	6.86	0.934	A
Leptogenys sp. 1b	Ponerinae	B	1	7.25		L
Leptogenys sp. 3	Ponerinae	B	3	4.57	0.339	A K
Leptogenys sp. 4	Ponerinae	O	1	7.01		A
Leptogenys sp. 5	Ponerinae	O	3	5.89	0.564	A L
Leptogenys sp. 6	Ponerinae	O	2	8.14	0.755	A L
Leptogenys sp. 7	Ponerinae	O	1	3.57		L
Leptogenys sp. 8	Ponerinae	O	1	8.12		A
Odontomachus rixosus Smith, 1857	Ponerinae	W	11	5.79	0.681	A K D
Odontoponera transversa (Smith, 1857)	Ponerinae	B, O	4	6.22	0.593	A D
Pachycondyla pilidorsalis Yamane, 2007	Ponerinae	W	4	6.92	1.402	A L K D
Pachycondyla tridentata Smith, 1858	Ponerinae	O	2	5.03	0.477	A
Pachycondyla sp. 1	Ponerinae	W	1	6.94		D
Pachycondyla sp. 2	Ponerinae	W	2	6.80	0.168	D
Pachycondyla sp. 6	Ponerinae	W	1	8.87		A
Pachycondyla sp. 7	Ponerinae	W	2	9.19	0.247	K
Pachycondyla sp. 9	Ponerinae	W	2	8.36	0.045	D
Pachycondyla sp. 10	Ponerinae	W	1	9.83		D
Plathythyrea sp. 1	Ponerinae	O	1	4.81		A
Discothyrea sp. 1	Proceratiinae	W	1	8.31		D
Probolomyrmex maryatyae Eguchi, Yoshimura & Yamane, 2006	Proceratiinae	W	1	6.62		A
Proceratium sp. 2	Proceratiinae	W	1	9.48		A
Tetraponera sp. 1	Pseudomyrmicinae	O	1	4.49		A

Appendix S4: Trophic levels in ant genera within subfamilies. Given are subfamilies, ant genera and their mean corrected δ ^{15}N values, number of specimens and standard deviation. Besides we give results of Unequal N HSD post hoc tests after ANOVAs performed separately for subfamilies. The respective ANOVA results are given in Table 2.

Subfamily	Genus	δ ^{15}N cor. means	N	SD																				
Formicinae					[1]	[2]	[3]	[4]	[5]	[6]	[7]													
	[1] *Acropyga*	7.141	2	1.28		0.009	0.622	0.190	0.199	0.000	1.000													
	[2] *Camponotus*	2.588	36	1.10	0.009		0.215	0.297	0.608	0.179	0.000													
	[3] *Myrmoteras*	5.032	3	0.59	0.622	0.215		0.963	0.968	0.005	0.519													
	[4] *Nylanderia*	4.428	7	0.77	0.190	0.297	0.963		1.000	0.001	0.011													
	[5] *Oecophylla*	4.098	4	0.40	0.199	0.608	0.968	1.000		0.021	0.034													
	[6] *Polyrhachis*	1.122	9	1.14	0.000	0.179	0.005	0.001	0.021		0.001													
	[7] *Pseudolasius*	6.915	5	2.83	1.000	0.000	0.519	0.011	0.034	0.001														
Dolichoderinae					[1]	[2]	[3]	[4]																
	[1] *Dolichoderus*	1.235	6	0.42		0.000	0.000	0.000																
	[2] *Philidris*	5.878	4	0.12	0.000		0.000	0.357																
	[3] *Technomyrmex*	3.328	17	0.84	0.000	0.000		0.002																
	[4] *Tapinoma*	7.575	1	0.00	0.000	0.357	0.002																	
Aenictinae	*Aenictus*	4.665	9	0.64	no test																			
Myrmicinae					[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]
	[1] *Acanthomyrmex*	4.925	13	1.13		1.000	1.000	1.000	1.000	1.000	1.000	0.066	0.996	0.008	0.979	0.720	1.000	0.436	0.992	0.647	1.000	0.863	0.965	1.000
	[2] *Aphaenogaster*	5.688	1	0.00	1.000		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	[3] *Calyptomyrmex*	6.411	1	0.00	1.000	1.000		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	[4] *Crematogaster*	4.433	27	1.90	1.000	1.000	1.000		0.999	1.000	0.979	0.005	1.000	0.000	0.014	0.227	1.000	0.000	0.220	0.242	0.966	0.596	0.811	0.999
	[5] *Lophomyrmex*	4.894	26	0.86	1.000	1.000	1.000	0.999		1.000	1.000	0.057	0.997	0.002	0.585	0.689	1.000	0.034	0.936	0.620	1.000	0.851	0.960	1.000
	[6] *Meranoplus*	5.001	1	0.00	1.000	1.000	1.000	1.000	1.000		1.000	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.997	1.000	1.000
	[7] *Monomorium*	5.770	5	1.06	1.000	1.000	1.000	0.979	1.000	1.000		0.867	0.910	0.997	1.000	1.000	1.000	1.000	1.000	0.997	1.000	0.998	1.000	1.000
	[8] *Myrmecina*	7.403	6	0.88	0.066	1.000	1.000	0.005	0.057	0.998	0.867		0.001	1.000	0.733	1.000	1.000	0.987	0.660	1.000	0.435	1.000	1.000	1.000
	[9] *Myrmicaria*	4.214	14	1.67	0.996	1.000	1.000	1.000	0.997	1.000	0.910	0.001		0.000	0.110	0.102	1.000	0.003	0.167	0.129	0.826	0.457	0.691	0.997
	[10] *Oligomyrmex*	6.897	15	1.20	0.008	1.000	1.000	0.000	0.002	1.000	0.997	1.000	0.000		0.565	1.000	1.000	0.996	0.443	1.000	0.638	1.000	1.000	1.000
	[11] *Pheidole*	5.754	73	1.00	0.979	1.000	1.000	0.014	0.585	1.000	1.000	0.733	0.110	0.565		1.000	1.000	0.999	1.000	0.996	1.000	0.998	1.000	1.000
	[12] *Pheidologeton*	6.587	6	2.55	0.720	1.000	1.000	0.227	0.689	1.000	1.000	1.000	0.102	1.000	1.000		1.000	1.000	0.999	1.000	0.993	1.000	1.000	1.000
	[13] *Recurvidris*	6.412	1	0.00	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.000	1.000	1.000	1.000	1.000	1.000	1.000
	[14] *Strumigenys*	6.234	23	1.22	0.436	1.000	1.000	0.000	0.034	1.000	1.000	0.987	0.003	0.996	0.999	1.000	1.000		0.999	1.000	0.999	1.000	1.000	1.000
	[15] *Tetramorium*	5.683	18	0.84	0.992	1.000	1.000	0.220	0.936	1.000	1.000	0.660	0.167	0.443	1.000	0.999	1.000	0.999		0.992	1.000	0.996	1.000	1.000
	[16] *Eurhopalothrix*	7.047	4	0.40	0.647	1.000	1.000	0.242	0.620	1.000	0.997	1.000	0.129	1.000	0.996	1.000	1.000	1.000	0.992		0.965	1.000	1.000	1.000
	[17] *Proatta*	5.475	9	0.92	1.000	1.000	1.000	0.966	1.000	1.000	1.000	0.435	0.826	0.638	1.000	0.993	1.000	0.999	1.000	0.965		0.986	0.999	1.000
	[18] *Pyramica*	7.516	2	1.44	0.863	1.000	1.000	0.596	0.851	0.997	0.998	1.000	0.457	1.000	0.998	1.000	1.000	1.000	0.996	1.000	0.986		1.000	1.000
	[19] *Vollenhovia*	7.143	2	0.84	0.965	1.000	1.000	0.811	0.960	1.000	1.000	1.000	0.691	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	1.000		1.000
	[20] *Pristomyrmex*	6.709	1	0.00	1.000	1.000	1.000	0.999	1.000	1.000	1.000	1.000	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
Ponerinae					[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]											
	[1] *Anochetus*	6.569	11	0.99		0.772	0.521	0.990	1.000	0.864	1.000	0.738	0.985											
	[2] *Diacamma*	5.654	10	0.99	0.772		0.929	0.221	0.956	1.000	0.999	0.037	1.000											
	[3] *Emeryopone*	4.046	2	0.02	0.521	0.929		0.275	0.660	0.891	0.711	0.139	1.000											
	[4] *Hypoponera*	7.066	35	1.25	0.990	0.221	0.275		0.735	0.287	0.988	0.993	0.933											
	[5] *Leptogenys*	6.315	16	1.50	1.000	0.956	0.660	0.735		0.986	1.000	0.218	0.995											
	[6] *Odontomachus*	5.791	11	0.68	0.864	1.000	0.891	0.287	0.986		1.000	0.048	1.000											
	[7] *Odontoponera*	6.218	4	0.59	1.000	0.999	0.711	0.988	1.000	1.000		0.882	0.997											
	[8] *Pachycondyla*	7.472	15	1.59	0.738	0.037	0.139	0.993	0.218	0.048	0.882		0.843											
	[9] *Platythyrea*	4.812	1	0.00	0.985	1.000	1.000	0.933	0.995	1.000	0.997	0.843												
Ectatomminae	*Gnamptogenys*	7.298	11	1.54	no test																			
Proceratiinae	*Probolomyrmex*	6.624	1	0.00	no test																			
	Proceratium	9.478	1	0.00	no test																			
	Discothyrea	8.315	1	0.00	no test																			
Cerapachyinae	*Cerapachys*	8.283	10	1.25	no test																			
Amblyoponinae					[1]	[2]																		
	[1] *Myopopone*	7.113	1	0.00		0.017																		
	[2] *Mystrium*	9.289	8	0.49	0.017																			
Dorylinae	*Dorylus*	6.424	1	0.00	no test																			

Appendix S5: Results of the F-Test comparing the variances of δ ^{15}N values for species sampled in different forest types and transects. Given are p-values (above diagonal) and (F-values) for the F-test (R 2.11.1, stat package). Calculation was performed with mean δ ^{15}N values of species of single transects. AL1 = alluvial forest transect1 (n = 91, max = 9.478, min = - 0.67), DI = dipterocarp forest (n = 65, max = 8.381, min = 0.735), LI1 = limestone forest transect1 (n = 45, max = 7.917, min = -1.295), LI2 = limestone forest transect2 (n = 19, max = 7.573, min = 0.262), KE = Kerangas (n = 42, max = 7.214, min = 0.378): No calculation was made for the second transect in alluvial forest (n = 4). All differences are not significant.

	AL1	**DI**	**LI1**	**LI2**	**KE**
AL1		0.166	0.9998	0.7405	0.1068
DI	1.3883		0.2392	0.5923	0.6734
LI1	1.0079	0.726		0.7586	0.1519
LI2	1.1668	0.8405	1.1576		0.4182
KE	1.5752	1.1347	1.5629	1.3501	

Appendix S6: Distribution of δ ^{15}N among the ant communities in the different forest types. For alluvial forest and limestone forest baseline corrected values are given to correct for the sampling at two transects.