

APPENDIX

List of ants collected at the coffee plantations in Pa Miang and Kun Chang Khian Site A. The number of coffee trees (T) or quadrats (Q) with each ant species was shown for each sampling season at two study sites. Asterisks indicate the size of head width of each ant: *0.60 – 0.71 mm, **0.40 – 0.59 mm, *** < 0.39 mm.

	Coffee plantation at Pa Miang village					Kun Chang Khian Site A			
	End of rainy season		End of dry season		Other	Rainy season			
	T	Q	T	Q		T	Q	Other	
Dolichoderinae									
<i>Dolichoderus affinis</i>	2	0	2	0		19	7		
<i>Dolichoderus butteli</i>	0	0	0	0		1	0		
<i>Dolichoderus</i> sp. PM 1*	1	0	3	0		1	0		
<i>Dolichoderus</i> sp. PM 2	0	0	2	0		0	0		
<i>Tapinoma melanocephalum</i> **	2	0	2	2		0	0		
<i>Tapinoma indicum</i> ***	2	3	5	10		2	4		
<i>Tapinoma</i> sp. PM 2***	1	0	0	0		0	0		
<i>Technomyrmex albipes</i> **	0	0	1	0		0	0		+
<i>Technomyrmex modiglianii</i>	0	0	0	0	+	0	0		
<i>Technomyrmex pratensis</i> *	0	1	0	1		0	0		
<i>Technomyrmex yamanei</i>	32	27	18	19		0	0		
<i>Technomyrmex</i> sp. PM 1*	2	3	0	5		0	0		+
<i>Technomyrmex</i> sp. PM 2*	0	1	0	0		0	0		
<i>Technomyrmex</i> sp. PM 3**	0	0	0	1		0	0		
<i>Technomyrmex</i> sp. PM 4*	0	0	0	0	+	0	0		
Dorylinae									
<i>Aenictus watanasiti</i> **	0	0	0	0		0	1		
Ectatomminae									
<i>Gnamptogenys bicolor</i>	3	1	2	0		0	0		

(CONTINUED)

	Coffee plantation at Pa Miang village					Kun Chang Khian Site A			
	End of rainy season		End of dry season		Other	Rainy season			
	T	Q	T	Q		T	Q	Other	
Formicinae									
Anoplolepis gracilipes*	0	0	0	0		0	0	+	
Camponotus lasiselene	0	0	1	0		0	0		
Camponotus leonardi	0	0	1	0		0	0	+	
Camponotus nicobarensis	0	0	5	0		0	0		
Camponotus (Myrmamblys) sp. PM 1 (= sp.23 of WJT)*	1	0	0	0		1	0		
Camponotus sp. PM 2 (= sp. 57 of WJT)	0	0	1	0		0	0		
Camponotus sp. PM 3	0	0	1	0		0	0		
Myrmoteras binghamii	0	0	0	1		0	0		
Nylanderia sp. PM 1**	0	0	0	2		0	0		
Nylanderia sp. PM 2***	0	4	0	11		0	0		
Nylanderia sp. PM 3**	0	1	0	0		0	0		
Nylanderia sp. PM 4**	0	1	0	1		0	6		
Nylanderia sp.CK1*	0	0	0	0		2	2		
Nylanderia sp.CK2**	0	0	0	0		0	11		
Oecophylla smaragdina	0	0	1	2		0	0		
Paraparatrechina opaca***	0	0	0	0		2	1		
Paraparatrechina sp. PM 1***	3	0	2	2		0	0		
Plagiolepis sp. PM 1 (= sp.3 of WJT)*	0	0	6	1		5	1		
Plagiolepis sp. PM 2**	0	0	2	0		0	0		
Polyrhachis armata	5	0	4	0		0	0	+	
Polyrhachis aff. tibialis caligata	0	0	0	0		0	0	+	
Polyrhachis dives	1	0	1	0		0	0		
Polyrhachis halidayi	0	0	0	0		2	0		
Polyrhachis laevisissima	1	0	0	0		0	0		
Polyrhachis(Crytomyrma)sp.CK1	0	0	0	0		2	0		

(CONTINUED)

	Coffee plantation at Pa Miang village					Kun Chang Khian Site A			
	End of rainy season		End of dry season		Other	Rainy season			
	T	Q	T	Q		T	Q	Other	
Formicinae									
<i>Polyrhachis (Myrma)</i> sp. PM 1 (= aff. sp.13 of WJT)	1	0	0	0		0	0		
<i>Polyrhachis (Myrma)</i> sp. PM 2	0	0	1	0		0	0		
<i>Polyrhachis (Myrma)</i> sp. PM 3	0	0	0	0	+	0	0		
<i>Polyrhachis (Myrmhopla)</i> sp. PM 4	1	0	2	0		0	0		
<i>Polyrhachis (Myrmhopla)</i> sp. PM 5	8	0	4	0		2	0		
<i>Polyrhachis (Myrmhopla)</i> sp. PM 6	1	0	0	0		0	0		
<i>Polyrhachis(Myrmhopla)</i> sp.CK2	0	0	0	0		1	0		
<i>Polyrhachis(Myrmhopla)</i> sp.CK4	0	0	0	0		0	0	+	
<i>Polyrhachis(Myrmhopla)</i> sp.CK5	0	0	0	0		5	0		
<i>Polyrhachis (Myrmothrinax)</i> sp. PM 7	1	0	1	0		0	0		
<i>Pseudolasius</i> sp. PM 1*	0	1	0	7		0	0		
<i>Pseudolasius</i> sp.CK1 (= sp.3 of WJT)*	0	0	0	0		0	1		
Myrmicinae									
<i>Aphaenogaster</i> sp.CK1	0	0	0	0		0	0	+	
<i>Cardiocondyla</i> sp. PM 1***	0	0	1	3		2	3		
<i>Cardiocondyla</i> sp.CK1***	0	0	0	0		0	1		
<i>Carebara affinis**</i>	0	1	0	2		0	3		
<i>Carebara diversus</i>	0	3	1	1		0	1		
<i>Cataulacus granulatus</i>	0	0	1	0		0	0		
<i>Crematogaster rogenhoferi</i>	0	0	0	0		0	0	+	
<i>Crematogaster</i> sp. PM 1	1	0	0	0		3	1		
<i>Crematogaster</i> sp. PM 2*	1	0	7	3		0	0		
<i>Crematogaster</i> sp. PM 3*	1	0	0	0		0	0		
<i>Crematogaster</i> sp. PM 4	1	0	0	1		0	0		
<i>Crematogaster</i> sp. PM 5*	0	0	2	0		0	0		

(CONTINUED)

	Coffee plantation at Pa Miang village					Kun Chang Khian Site A		
	End of rainy season		End of dry season		Other	Rainy season		
	T	Q	T	Q		T	Q	Other
Myrmicinae								
Crematogaster sp. PM 6**	0	0	2	0		0	0	
Kartidris sp. PM 1*	0	3	0	0		0	0	+
Lophomyrmex birmanus*	1	3	1	8		0	1	
Meranoplus laeiventris	0	0	0	0		9	7	
Monomorium sp. PM 1***	0	1	0	2		0	0	
Myrmecina sp. PM 1**	0	0	0	2		0	0	
Oligomyrmex sp. PM 1***	0	4	0	1		0	0	
Pheidole smythiesii	0	0	0	0		2	6	
Pheidole tandjongensis**	0	1	0	1		0	0	
Pheidole sp. PM 1	1	3	4	4		0	0	+
Pheidole sp. PM 2***	0	1	0	1		0	0	
Pheidole sp. PM 3**	0	0	0	1		0	1	
Pheidole sp.CK1**	0	0	0	0		0	1	
Pheidole sp.CK2**	0	0	0	0		0	2	
Recurvidris recurvispinosa***	0	0	0	0		0	1	
Rhopalomastix sp.CK1 (= sp.1 of WJT)**	0	0	0	0		1	0	
Solenopsis sp. PM 1***	0	2	0	1		0	0	
Strumigenys adiastrata**	0	1	0	0		0	0	
Strumigenys sp. PM 1 (= sp.13 of WJT)**	0	1	0	1		0	1	
Strumigenys sp. PM 2 (= sp.19 of WJT)***	0	0	0	1		0	0	
Tetramorium kheperra**	0	0	0	0		0	4	
Tetramorium lanuginosum (= sp.5 of WJT)**	0	0	0	0		0	2	
Tetramorium sp. PM 1	1	0	1	0		0	0	
Tetramorium sp. PM 2*	2	0	0	0		1	10	
Tetramorium sp. PM 3**	0	1	0	0		0	0	

(CONTINUED)

	Coffee plantation at Pa Miang village						Kun Chang Khian Site A		
	End of rainy season			End of dry season			Rainy season		
	T	Q		T	Q	Other	T	Q	Other
Myrmicinae									
<i>Tetramorium</i> sp. PM 4**	1	0		0	0		0	0	
<i>Tetramorium</i> sp. PM 5**	0	0		0	1		0	0	
<i>Tetramorium</i> sp. CK1**	0	0		0	0		0	1	
<i>Tetramorium</i> sp. CK2*	0	0		0	0		0	1	
<i>Tetramorium</i> sp. CK3**	0	0		0	0		0	1	
<i>Tetramorium</i> sp. CK5	0	0		0	0		2	0	
<i>Trichomyrmex destructor</i> **	0	0		0	0		0	1	
<i>Trichomyrmex</i> sp. PM 1**	0	11		0	9		0	0	
<i>Trichomyrmex</i> sp. PM 2***	0	1		0	3		0	0	
Ponerinae									
<i>Anochetus myops</i>	0	2		0	0		0	0	
<i>Brachyponera chinensis</i>	0	1		0	0		0	0	
<i>Brachyponera luteipes</i>	0	2		0	2		0	12	
<i>Brachyponera nigrita</i>	0	0		0	1		0	6	
<i>Diacamma</i> sp. PM 1 (= aff. sp.10 of WJT)	0	2		0	0		0	0	
<i>Diacamma</i> sp. PM 2	0	0		1	1		0	0	
<i>Diacamma</i> sp. CK1	0	0		0	0		0	0	+
<i>Ectomyrmex leeuwenhoekii</i>	0	2		0	0		0	0	
<i>Ectomyrmex</i> sp. CK1 (= aff. sp.18 of WJT)	0	0		0	0		0	4	
<i>Hypoponera</i> sp. PM 1***	0	2		0	1		0	3	
<i>Hypoponera</i> sp. PM 2***	0	1		0	0		0	0	
<i>Hypoponera</i> sp. CK2***	0	0		0	0		0	0	+
<i>Leptogenys</i> sp. <i>diminuta</i> gp (= sp.6 of WJT)	0	1		0	0		0	0	+
<i>Leptogenys kitteli</i>	0	1		0	2		0	0	
<i>Leptogenys</i> sp. PM 1*	0	1		0	1		0	0	

(CONTINUED)

	Coffee plantation at Pa Miang village						Kun Chang Khian Site A		
	End of rainy season			End of dry season			Rainy season		
	T	Q		T	Q	Other	T	Q	Other
Ponerinae									
<i>Odontomachus rixosus</i>	0	1		0	0		0	0	
<i>Odontoponera denticulata</i>	0	1		0	3		0	0	+
<i>Ponera</i> sp.PM1**	0	0		0	4		0	0	
Proceratiinae									
<i>Proceratium</i> sp.CK1**	0	0		0	0		0	1	
Pseudomyrmecinae									
<i>Tetraponera attenuata</i>	0	0		4	0		0	0	+
<i>Tetraponera</i> sp. PM1**	0	0		3	0		0	0	+
Total number of species	58 species			64 species			44 species		
	88 species						61 species		

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