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DISSERTAÇÃO DE MESTRADO

Estruturação das guildas de formigas de solo e liteira  
utilizando traços funcionais ao longo de um amplo  
gradiente ambiental na Amazônia

Andréia Conceição das Chagas

Manaus, 06/ 2018

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Dissertação apresentada ao  
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Ao meu Pai e minha Mãe,  
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## RESUMO

A estabilidade do número de espécies por guilda é um conceito chave para delimitar e entender o papel das guildas em assembleias de organismos. Se o número de espécies dentro das guildas é mais estável que o esperado pelo acaso, processos como competição entre espécies ou por recursos são prováveis. Por outro lado, se o número de espécies por guildas é mais variável que o esperado pelo acaso, podemos inferir se variáveis ambientais podem estar operando, selecionando espécies mais adaptadas ou limitando a ocorrência de espécies menos adaptadas a determinado gradiente. Neste trabalho investigamos como a estabilidade dos grupos funcionais de formigas de solo e liteira está estruturada ao longo de um amplo gradiente ambiental na Amazônia Central. Nós focamos em quatro variáveis ambientais: tipo de vegetação, teor de argila no solo (como proxy para variações edáficas em pequena escala), amplitude de variação da temperatura ao longo do dia e média da precipitação anual. O desenho amostral cobriu 8 locais de coleta situados em um gradiente latitudinal de 1.050 km de extensão e com diferentes fitofisionomias. Buscamos na literatura informações sobre as espécies e classificamos as espécies coletadas usando três sistemas de classificação diferentes. Além disso, criamos grupos ou guildas de formigas usando somente medidas morfológicas, amplamente utilizadas em estudos sobre guildas de formigas de solo e folhigo. Um total de 8581 formigas foram analisadas pertencentes a 440 espécies/morfoespécies coletadas nas 126 parcelas distribuídas ao longo de 1350 km do gradiente latitudinal. Das 3 classificações analisadas, a variância relativa na proporção de guildas, medida usando o índice VarRel, indicou variação na proporcionalidade de guildas. No geral houve tendência para os valores de VarRel serem mais negativos em vez de positivos, o que indica mais proporcionalidade (ou estabilidade) que o esperado pelo acaso. As análises mostraram que a guilda “cultivadoras de fungos” tiveram relação com a vegetação em praticamente todas as classificações, isso provavelmente se deve ao fato de termos amostrado um amplo gradiente de variação (desde savana até a floresta densa). Os resultados usando um sistema de classificação baseado exclusivamente em medidas morfológicas foi muito parecido com os resultados dos modelos baseados em guildas criadas a partir de dados ecológicos, apesar da composição e número de guildas serem diferentes. Nossos resultados sugerem que para a maioria dos casos o número de espécies por guilda, independente do tipo de classificação usado, é estável ao longo de um grande gradiente ambiental. Dessa forma, classificações das espécies de formigas em guildas é uma forma promissora de investigar o papel ecológico e o funcionamento das assembleias de formigas na Amazônia.

**Keywords:** Floresta tropical, Formicidae, gradiente ambiental, Amazônia, Winkler, pitfalltraps

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## 1. INTRODUÇÃO

As assembleias de organismos (i.e., conjuntos de espécies em um dado tempo e espaço) variam ao longo de gradientes ambientais. No entanto, identificar os mecanismos que estruturam essas assembleias e como tais mecanismos agem ainda permanece um desafio para ecologia (Agrawal *et al.* 2007, McGill *et al.* 2006). Em muitos casos as condições ambientais podem atuar como filtros, onde somente as espécies que possuem determinadas características funcionais, fisiológicas, morfológicas e de história de vida conseguem se estabelecer em um determinado local (Keddy 1992, Southwood 1988, Wiescher *et al.* 2012, Stutzner *et al.* 2001, Poff 1997, Lebrija-Trejos *et al.* 2010). Em outros casos, processos como competição e predação podem gerar padrões de segregação de espécies ao longo de gradientes ambientais (Gotelli & McCabe 2002, Hausdorf & Hennig 2007). Assim, espécies com diferentes características funcionais, fisiológicas, morfológicas ou com diferentes histórias de vida são favorecidas. No entanto, na maioria dos ecossistemas filtros ambientais e interações bióticas operam simultaneamente para moldar a estrutura das assembleias (Englund *et al.* 2009).

Tradicionalmente, o papel do ambiente e de interações bióticas na distribuição das espécies tem sido investigado majoritariamente pela utilização de uma abordagem taxonômica (Chase & Leibold 2003). No entanto, visualizar as assembleias como uma distribuição de variáveis quantitativas ou agrupamentos funcionais, ao invés de uma coleção de unidades taxonômicas permite desenvolver modelos com maior potencial preditivo (McGill *et al.* 2006). O agrupamento de espécies em grupos funcionais tem como base padrões comuns de adaptação ao ambiente e interações entre espécies (Grime 1977, Southwood 1988). Assim, a relação entre os grupos funcionais e o meio ambiente representam propriedades emergentes das assembleias. De um ponto de vista prático, a utilização de grupos funcionais permite interpretações ecológicas menos complexas das respostas de muitas espécies à variação ambiental ou às relações interespecíficas (Westoby & Leishman 1997). Por exemplo, a proporcionalidade do número de espécies dentro das guildas, largamente baseada na teoria do nicho ecológico (Wilson 1999), prediz que espécies com forte sobreposição de nicho não podem coexistir (Gause 1934,

Hardin 1960, Simberloff & Connor 1981), e que espécies que coexistem diferem em seus traços funcionais ao explorar diferentes recursos (Hardin 1960, Simberloff & Connor 1981). Conseqüentemente, as guildas são grupos de espécies que coexistem usando recursos e estratégias similares na ocupação de seus nichos (Silvestre *et al.*, 2003; Silvestre *et al.*, 2001). Uma vez que as espécies tendem a excluir localmente indivíduos de outras espécies de sua própria guilda, a proporção do número de espécies em cada guilda em relação ao número total de espécies se mantém estável em pequena escala (Wilson 1989, 1999, Andersen 1997, Silva & Brandão 2010). Apesar de simples, esse modelo conceitual é muito poderoso e flexível, podendo ser usado para gerar previsões mesmo em locais onde as espécies não são conhecidas.

As formigas são consideradas bons modelos para ecologia funcional, pois são sensíveis às mudanças ambientais, são abundantes e possuem espécies com ampla distribuição geográfica (Alonso, 2000; Silva & Brandão, 1999). Formigas de forma em geral são muito interativas e muitas espécies, podem excluir outras de fontes de alimento (Andersen 1992, Baccaro *et al.* 2012, Arnanet *et al.* 2018). Além disso, existe um esforço global para padronizar e estabelecer as funções dos traços funcionais das formigas, o que deve aumentar muito o poder de generalizações de modelos baseados em traços funcionais (Parret *et al.* 2017). Atualmente 12 traços funcionais de formigas vem recebendo mais destaque, como largura e comprimento da cabeça, comprimento do corpo e do fêmur, comprimento da tíbia, tamanho e forma das mandíbulas e tamanho e posição dos olhos, entre outros (Parret *et al.* 2016; mais detalhes nos métodos). É esperado que cada um desses traços desempenhe papéis importantes no dia-a-dia das formigas (Silva & Brandão 2010; Parret *et al.* 2016). Aliado a essas características, o número de espécies de formigas em pequena escala é alto, tornando esse táxon um excelente modelo para investigar a estabilidade de grupos funcionais.

A proporção de espécies por guilda ou grupo funcional tende a ser mais estruturada que o esperado pelo acaso (a proporção varia menos que o acaso) para guildas de espécies predadoras (Silva & Brandão 2010). Esse padrão pode ser explicado pela maior competição entre espécies dessa guilda por recursos (Parret *et al.* 2005, Baccaro *et al.* 2010). No entanto, ainda não está



claro qual a influência da variação ambiental sobre a proporcionalidade das guildas de formigas (Silva & Brandão 2014). Trabalhos recentes realizados em outros biomas têm revelado fortes relações entre os atributos morfológicos de formigas e diversas características ambientais como topografia, solos, clima, estrutura da vegetação, relevo, regime de chuvas e de inundação (Arnanet *et al.* 2014, Bihnet *et al.*, 2010, Yates & Andrew 2011, Baccaro *et al.*, 2013; Yates *et al.* 2014). Essas relações podem afetar a distribuição dos traços funcionais modificando a proporcionalidade de espécies por guildas. Por exemplo, Silva e Brandão (2014), sugerem que a produtividade primária e a heterogeneidade ambiental (altitude, temperatura e precipitação) encontrada na Mata Atlântica determinam a distribuição de traços, regulando por fim as regras de montagem (proporcionalidade de espécies por guildas em escala local). Dessa forma, classificações de espécies em guildas que não levam em conta a variação ambiental podem resultar em modelos simplistas demais, que não são úteis em escalas maiores.

Neste trabalho investigamos a estabilidade de grupos funcionais ao longo de um grande gradiente ambiental na Amazônia Central. Nós utilizamos informações de assembleias de formigas de solo e liteira amostradas em vários pontos de coleta na Amazônia Brasileira (Oliveira *et al.*, 2009; Souza *et al.*, 2012; Baccaro *et al.*, 2012; Souza *et al.*, 2016) com delineamentos amostrais padronizados que possibilitam o uso desse banco de dados para estudos integrados em grande escala. O primeiro passo foi compilar informação da literatura para classificar as espécies de formigas em guildas. Essas classificações usam informações sobre história de vida, local de nidificação, forrageio, e relações taxonômicas para delimitar as guildas (Silva & Brandão 2010, Grocet *et al.* 2013). Posteriormente usamos as medidas morfológicas das formigas e investigamos qual classificação foi a mais provável usando somente caracteres morfológicos. No último passo comparamos a proporção de espécies por guilda ao longo de um amplo gradiente ambiental das classificações em guildas da literatura e da classificação das espécies baseada unicamente em aspectos morfológicos. Focamos em quatro variáveis ambientais: tipo de vegetação, teor de argila no solo (como proxy para variações edáficas em pequena escala), amplitude de variação da temperatura

ao longo do dia e média da precipitação anual. Todas essas variáveis ambientais desempenham um papel importante na estruturação das comunidades de formigas (Oliveira et al. 2009, Dunnet *al.* 2009, Pacheco & Vasconcelos 2012), mas seu papel na estruturação da diversidade funcional ainda é pouco compreendido.

## 2. MATERIAL E MÉTODOS

### 2.1. Local de estudo e desenho amostral

Utilizamos formigas coletadas em 8 sítios de pesquisas (Figura 1) do Programa de Pesquisa em Biodiversidade – PPBio (detalhes na página na internet: <http://ppbio.inpa.gov.br/Port/sitioscoleta/>), nos estados do Amazonas e Roraima. Os sítios de pesquisa abrangem gradientes amplos de estrutura da vegetação, tipo de solo, relevo, regime de chuvas e de inundação (Tabela 1).

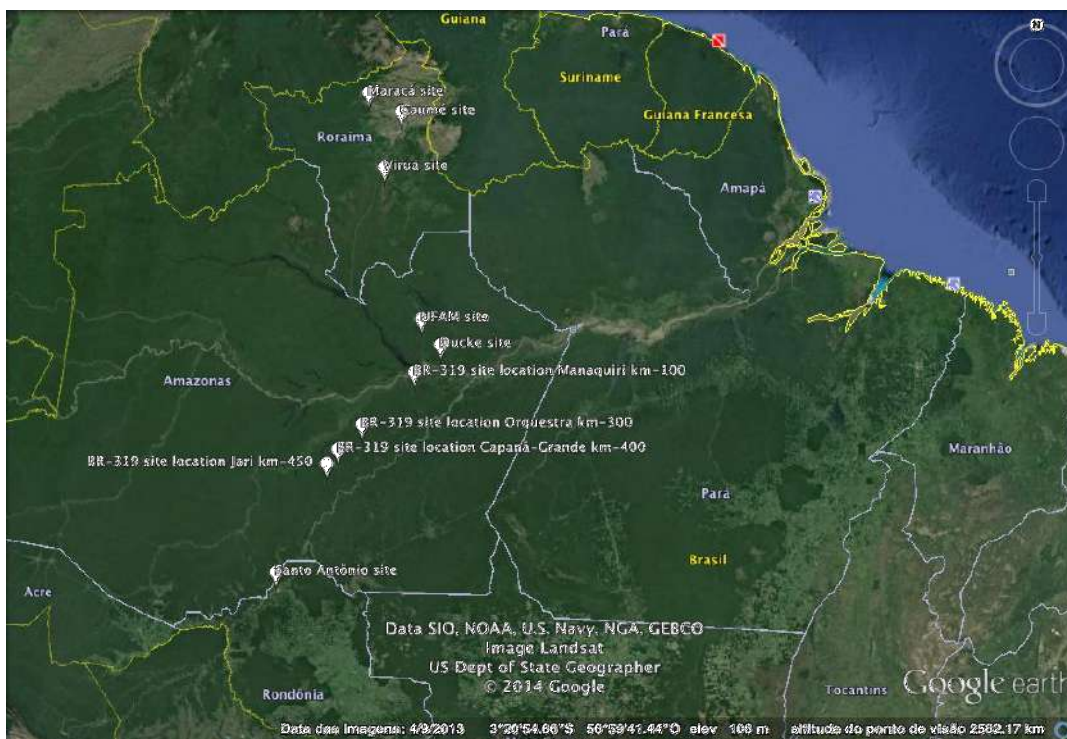


Figura 1. Distribuição dos sítios de coleta a longo de um gradiente longitudinal na bacia Amazônica brasileira

O desenho amostral dos sítios de coleta segue o sistema do Projeto Ecológico de Longa Duração do CNPq (PELD). Em cada um dos sítios de pesquisa há um sistema de deslocamento que consiste em trilhas paralelas (de

duas a seis, dependendo do local) de 5 km cada, distantes 1 km uma das outras. Em cada uma dessas trilhas existem 5 parcelas de 250 metros, que seguem a curva de nível do terreno, a 1.000 metros de distância entre si (Figura 2).

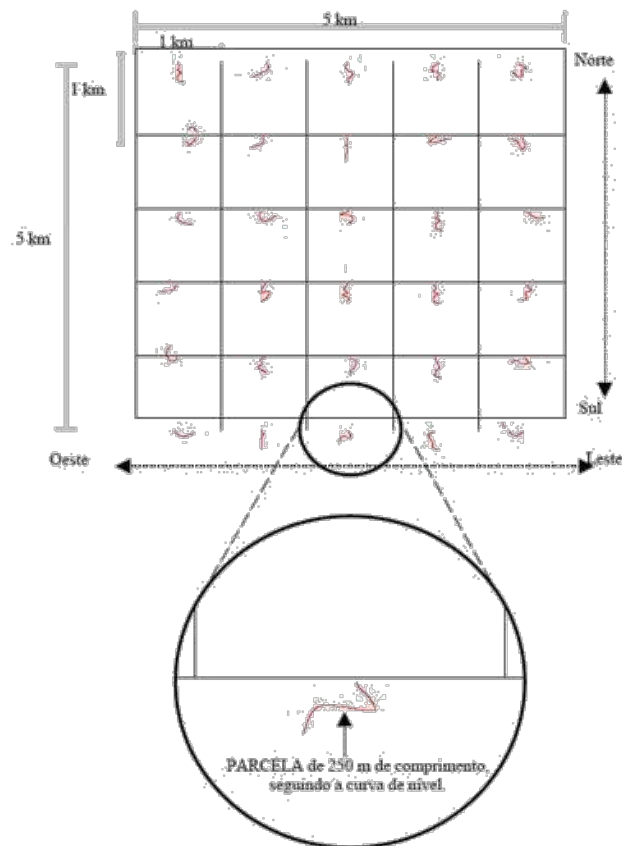


Figura 2. Desenho esquemático do sistema de trilhas e parcelas de uma grade do Programa de Pesquisa em Biodiversidade.

## 2.2. Variáveis ambientais

Diversas variáveis ambientais, como teor de argila no solo, estrutura da vegetação foram coletadas nos respectivos sítios de pesquisa e podem ser acessados na página [www.ppbio.inpa.gov.br](http://www.ppbio.inpa.gov.br). Os principais descritores estão listados na tabela 1. Usamos somente variáveis “estáveis” ao longo do tempo (i.e. propriedades do solo) ou que foram amostradas conjuntamente com as coletas das formigas. Os dados climáticos foram obtidos da base de dados do WorldClim (Hijmans et al., 2005) e os dados de pluviosidade e temperatura foram obtidos através do pacote ‘dismo’ (Hijmans et al., 2011) no programa

estatístico “R” (R Development Core Team, 2013). Estes dados são procedentes de médias anuais de 1950 a 2000 com resolução de 30 arcos de segundo (~1 Km). Após investigar as correlações entre as variáveis climáticas selecionamos a amplitude de variação da temperatura ao longo do dia e média da precipitação anual disponível na base de dados do WorldClim (Bio2 e Bio12, respectivamente).

Tabela 1. Locais de coleta, coordenadas geográficas, tipos de vegetação em cada local de coleta, amplitude de variação da temperatura ao longo do dia (Bio 2) e média da precipitação anual (Bio 12), quantidade de parcelas e número de amostras por parcela em cada sítio.

<b>Local</b>	<b>Coordenadas geográficas</b>	<b>Tipos de vegetação</b>	<b>Bio 2</b>	<b>Bio 12</b>	<b>Número de parcelas</b>	<b>Número de amostras por parcela</b>
<b>Maracá</b>	03 23 45.60 N 61 28 24.61 O	Floresta ombrófila aberta; Floresta semidecídua; Floresta decídua; Floresta de campinarana	7.687	1988	30	10
<b>Cauamé</b>	02 52 01.20 N 60 38 02.40 O	Savana aberta	8.042	1765	11	10
<b>Viruá</b>	01 27 01.72 N 61 01 28.96 O	Floresta ombrófila aberta; Floresta de campinarana; Campinarana sazonal; Campina	7.685	1898	30	10
<b>Ducke</b>	02 58 17.51 S 59 57 28.43 O	Floresta ombrófila densa	6.676	2302	30	10
<b>Manaquiri</b>	03 41 24.00 S 60 18 36.00 O	Floresta ombrófila aberta	8.034	2218	10	10
<b>Orquestra</b>	04 59 04.16 S 61 34 14.20 O	Floresta ombrófila densa	9.374	2447	5	10
<b>Capañã</b>	05 37 31.92 S 62 10 56.92 O	Floresta ombrófila densa	9.761	2136	5	10
<b>Jari</b>	05 57 26.94 S 62 29 20.51 O	Floresta ombrófila densa	9.761	2136	5	10

### 2.3. Coleta de formigas

Foram utilizadas formigas previamente coletadas. As coletas foram realizadas entre 2006 e 2011 por pesquisadores e estudantes de doutorado e mestrado do Instituto Nacional de Pesquisas da Amazônia (INPA). As formigas foram coletadas utilizando três métodos: iscas de sardinha, *pitfall* (armadilha de queda) e amostras de 1 m<sup>2</sup> de folhíço (extrator de Winkler). Em cada parcela de 250m foram coletadas 10 subamostras de cada método. Todas as subamostras foram distribuídas regularmente a cada 25 m ao longo da parcela. Os indivíduos foram identificados em nível de espécie e morfoespécie e encontram-se depositados na Coleção de Invertebrados do INPA. Neste estudo utilizamos o material coletado por *pitfall* por fornecer uma visão mais completa e menos enviesada ao longo do gradiente de amostragem. Até o momento, temos depositadas na Coleção de Invertebrados do INPA 539 espécies e morfo-espécies de formigas, pertencentes a 72 gêneros.

### 2.4. Classificação das espécies em guildas

Para classificar os grupos funcionais e guildas de formigas de solo da Amazônia, o seguinte protocolo de análises foi empregado. 1) Usamos informações da literatura para classificar o maior número de espécies possível em grupos funcionais. Usamos os grupos funcionais propostos por Silva & Brandão (2010) e Groc et al. (2014). Essas classificações estão entre as mais aceitas e usadas em trabalhos com formigas tropicais. 2) As espécies presentes no nosso banco de dados, mas ausentes das listas publicadas, foram agrupadas de acordo com informações dos gêneros.

Ao final produzimos três classificações. A classificação A, que é uma classificação mais geral, baseada em Groc *et al* (2014) propõe o agrupamento em 3 Guildas: *Fungus-growers*; *Predators* e *Omnivores*. No mesmo trabalho Groc et al. (2014) sugere uma classificação B, mais detalhada, com 9 guildas: *Arboreal Omnivores*; *Arboreal Predators*; *Cryptobiotic attines*; *Generalist omnivores*; *Ground-dwelling generalist predators*; *Ground-dwelling omnivores*; *Ground-dwelling specialist predators*; *Leaf-cutters*; *Raid-hunting predators*. Já

na classificação proposta por Silva & Brandão (2010) também apresenta 9 agrupamentos: *Dacetini predators*; *Generalistics: generalized dolichoderinaes*; *Hypogaeic generalist predators*; *Large-sized epigaeic generalist predators*; *Leaf-cutters*; *Litter-nesting fungus-growers*; *Medium-sized epigaeic generalist predators*; *Small-sized hypogaeic generalist foragers*; *Specialist predators living in the soil superficial layers*. Nós incluímos mais três grupos, *Arboreal generalist predators*, *Arboreal omnivores incidentally foraging on the forest floor* and *Armyant* (formigas de correição, equivalente a *Raid-hunting predators*), para adequar esse modelo a realidade Amazônica. Conseqüentemente esse agrupamento contou com 12 guildas, as principais diferenças da classificação B de Groc *et al.* 2014, foi a separação de formigas cultivadoras de fungos em dois grupos e a inclusão de guildas de formigas arborícolas que eventualmente forrageiam no solo. Essas guildas estão ausentes da classificação de Silva e Brandão (2010).

#### 2.5. *Medidas morfológicas das formigas*

Para criar o espaço morfométrico das assembleias utilizamos a metodologia usada por Silva e Brandão (2010). Estes autores utilizaram 18 caracteres quantitativos relacionados ao comportamento das formigas de serapilheira e tamanho de suas presas. Apesar que um subconjunto dessas medidas (comprimento e largura da cabeça, comprimento do clipeo, comprimento máximo do olho, comprimento e largura da mandíbula, comprimento do escapo, comprimento do mesossoma, altura do pecíolo e comprimento do fêmur - veja importância funcional na Tabela 2; Figura 3) pode representar adequadamente o morfo-espaço funcional de formigas de serapilheira na mata Atlântica (Silva & Brandão 2010, 2014), amostramos 15 caracteres, dos 19 originalmente medidos. Utilizamos 06 indivíduos por espécie (dependendo da disponibilidade), de modo a capturar a variação de tamanho entre indivíduos. As medidas foram tomadas utilizando um estereomicroscópio com uma objetiva micrométrica.

Tabela 3. Caracteres selecionados para descrever o espaço morfológico e seu significado funcional em formigas de folhiço da Mata Atlântica. Adaptado de Silva e Brandão (2010).

Caracter/Medida	Significado funcional	Referência
<b>Comprimento e largura da mandíbula</b>	Mandíbulas maiores permitem a predação de presas maiores. Uma mandíbula mais larga permite uma maior amplitude da “mordida” em predadores e presas.	Weiser & Kaspari (2006) Fowler <i>et al.</i> (1991)
<b>Comprimento do Escapo</b>	O comprimento do escapo pode influenciar no comportamento, especialmente se as operárias não possuírem olhos. Escapos maiores podem facilitar o seguimento das trilhas de feromônios pelas operárias.	Shneider (1964) Weiser & Kaspari (2006)
<b>Comprimento do Clípeo</b>	Muitos gêneros que se baseiam fortemente na alimentação de líquidos, como as Dolichoderinae e Formicinae, possuem o clípeo altamente modificados. Empregaremos esse atributo como um indicativo de que as operárias de formigas se alimentam por líquidos.	Eisner (1957), Davidson <i>et al.</i> (2004)
<b>Comprimento máximo do olho, sua distância até a inserção da mandíbula e distância interocular</b>	O tamanho e a posição dos olhos compostos são caracteres importantes na busca por recursos alimentares, especialmente para espécies predadoras.	Weiser & Kaspari (2006) Fowler <i>et al.</i> (1991)
<b>Altura, largura e comprimento do pecíolo</b>	Espécies predadoras possuem pecíolo grande e uma articulação muito eficiente, que lhes conferem uma grande flexibilidade do pecíolo e do gáster. Um pecíolo grande pode influenciar o comportamento e a performance de espécies predadoras.	Fowler <i>et al.</i> (1991)
<b>Comprimento do fêmur da perna posterior</b>	Pernas maiores podem permitir uma locomoção mais rápida e eficiente na serapilheira, mas por outro lado, aumenta a área transversal necessária por um indivíduo e, portanto, pode limitar seu acesso nos interstícios da serapilheira.	Feener <i>et al.</i> (1988), Kaspari & Weiser (1999)
<b>Comprimento do Mesossoma</b>	É um indicador do tamanho do corpo, que é chave para muitos traços de história de vida, como o uso de recursos.	Kaspari (1996), Kaspari & Weiser (1999)



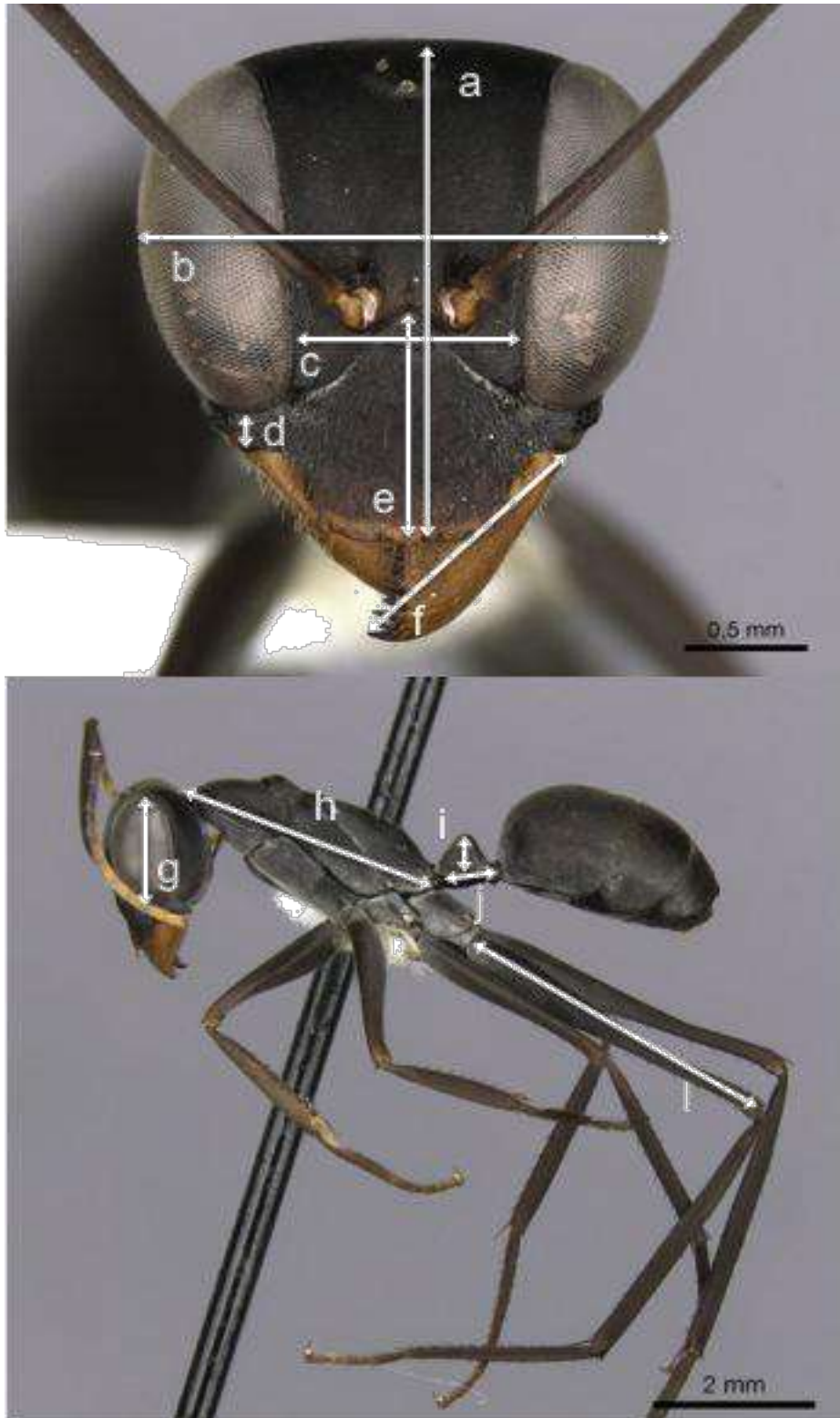


Figura 3. Localização dos traços morfológicos que serão medidos nas formigas: a = comprimento da cabeça, b = largura da cabeça; c = distância entre os olhos, d = posição do olho em relação a mandíbula, e = altura do cíleo, f = comprimento da mandíbula, g = comprimento máximo do olho, h = comprimento do mesossoma, i = altura do pecíolo, j = comprimento do pecíolo, e l = comprimento do fêmur da perna posterior. Imagem: ©AntWeb.

## 2.6. Espaço morfométrico e classificação em guildas

Usamos o comprimento de Weber para indicar o tamanho do corpo e as medidas dos outros atributos (cabeça, mesosoma, metasoma e apêndices do corpo) para indicar a forma específica de cada formiga. As medidas de traços foram padronizadas pelo comprimento de Weber para diminuir a forte correlação entre as medidas dos outros atributos com o tamanho do corpo. Posteriormente, usamos valores médios dos traços logaritmizados (base 10) para todas as análises, como é feito rotineiramente para estudos baseados em caracteres morfológicos contínuos (Trisos et al., 2014). Descrevemos a estrutura morfológica da fauna de formigas, com base em uma análise de componentes principais (PCA) calculada a partir de uma matriz de correlação de 15 variáveis transformadas em log medidas para todas as 284 espécies de formigas coletadas e medidas. A PCA foi calculada usando a função *prcomp* do R (R Core Development Team 2017). Números de eixos retidos nas análises subsequentes foram baseados no modelo *brokenstick* (função *bstick*) no pacote *vegan* (Oksanen et al. 2011).

Usamos o método de agrupamento por modelos de distribuição normal multivariados baseados em máxima verossimilhança (Fraley & Raftery 2002). Este método consiste em ajustar modelos de distribuição normal à distribuição dos dados, ou seja, cada agrupamento é definido por uma distribuição normal. Os parâmetros das distribuições (médias e covariâncias) são estimados através de máxima verossimilhança. Este método de modelos normais permite identificar grupos não esféricos, com diferentes formas, volumes e orientação no espaço (no nosso caso, espaço morfométrico) (Fraley&Raftery 2002). Usamos o Critério de Informação Bayesiana (BIC) para decidir qual o número de guildas presente no nosso conjunto de dados. Conforme aumenta-se o número de parâmetros aumenta-se o ajuste dos modelos, porém com a possibilidade de causar um super ajustamento (overfitting). O BIC é dado portanto através de um balanço entre ajustamento do modelo e número de parâmetros, este chamado de termo de penalidade. O melhor modelo é dado então pelo maior BIC. Portanto, para um conjunto de dados que não forma grupos, o método indicará um modelo com 1 agrupamento apenas, pois os dados se ajustam apenas a uma distribuição

normal, e não a duas, três, ou outro número. Outra vantagem do método é que ele é gera valores de incertezas para cada objeto, ou seja, cada objeto tem uma probabilidade associada que diz o quanto é provável que aquele objeto faça parte daquele cluster que o método indicou (Fraley & Raftery 2002). Para facilitar a comparação usamos a identidade das espécies de cada grupo para definir o nome do grupo.

### 2.7. *Proporcionalidade entre guildas*

A proporção de espécies por grupos funcionais basicamente foi testada comparando a proporção observada com um modelo nulo gerado a partir de randomizações da matriz de ocorrência de espécies. Seguimos a análise proposta por Wilson (1999), onde o índice  $RV_{gp}$  (variância relativa na proporção dos grupos) é testado estatisticamente da seguinte forma:

$$RV_{gp} = 2 \frac{GP_{obs}}{GP_{obs} + GP_{rand}} - 1$$

onde,  $GP_{obs}$  é a variância observada dentro de cada guilda e  $GP_{rand}$  é a variância calculada a partir do modelo nulo. O índice  $RV_{gp}$  varia de -1 a +1 e assume valores iguais a zero, quando a variação observada na proporção dos grupos funcionais é igual ao do modelo nulo. Valores menores que zero são observados quando a proporção de espécies por grupo funcional é mais constante do que a esperada pelo acaso; e valores positivos indicam que a proporção de espécies por grupo funcional é mais heterogênea que o esperado ao acaso. Para mais detalhes sobre o cálculo da variância observada e esperada na proporção dos grupos, veja Watkins & Wilson (2003). Calculamos o  $RV_{gp}$  para todas as guildas das 4 classificações (três classificações baseadas na literatura e uma classificação baseada unicamente em aspectos morfométricos).

## 2.8. *Relações entre proporcionalidade de guildas e gradientes ambientais*

Nós testamos os efeitos das variáveis ambientais na proporcionalidade do número de espécies por guilda das quatro classificações usando modelos mistos lineares (LMM). A variável resposta foi o  $RV_{gp}$  de cada guilda e as variáveis preditoras foram tipo de vegetação, teor de argila no solo (como proxy para variações edáficas em pequena escala), amplitude de variação da temperatura ao longo do dia e média da precipitação anual, todas estimadas na escala da parcela. Para controlar possíveis efeitos locais na amostragem, incluímos também o número de espécies coletadas por parcela como variáveis fixas nos modelos, e a localidade de coleta (sítio de coleta) como variável randômica nos modelos. Todas as análises foram realizadas no R (R Core Development Team 2017).

## 3. RESULTADOS

Um total de 8581 formigas foram analisadas pertencentes a 440 espécies/morfoespécies coletadas nas 126 parcelas distribuídas ao longo de 1350 km do gradiente latitudinal. O sítio de pesquisa com o maior número de espécies foi Maracá seguida por Ducke e o sítio de pesquisa com o menor número de espécies foi Capanã seguida por Orquestra.

Das 3 classificações feitas, em todos os sítios de pesquisa, a variância relativa na proporção de guildas, medida usando o índice VarRel, indicou variação na proporcionalidade de guildas. No geral houve tendência para os valores de VarRel serem significativamente negativos em vez de positivos. Os valores negativos indicam a proporcionalidade da guilda onde as espécies usam recursos similares (estruturação da guilda alfa). Valores positivos para o índice VarRel indicam uma desproporcionalidade da guilda onde as espécies ocorrem sob as mesmas condições ambientais (estruturação da guilda beta) (Wilson 1999).

As análises mostraram que a guilda Leaf-cutters “cultivadoras de fungos” tiveram relação com a vegetação em praticamente todas as classificações, isso provavelmente se deve ao fato de termos amostrado um amplo gradiente de

variação (desde savana até a floresta densa, Figura 4). A guilda Specialists Predators teve relação com teor de argila e altitude. Já as análises para a classificação de Silva e Brandão 2010 mostraram que a guilda Dacetini predators teve relação com o teor de argila e a altitude, Generalized myrmicinae esteve relação com a riqueza e precipitação anual média (Figura 4). Hypogaeic generalista predators teve relação com a riqueza e Amplitude de variação da temperatura ao dia (Tabela 4). Os outros modelos de guildas não apresentaram relação, isso quer dizer que, as proporções de espécies foi igual ao esperado pelo acaso, ou seja, não temos evidência nem de filtro, nem de competição atuando quando os resultados não são significativos.

Tabela 4 – Relações entre a proporcionalidade do numero de espécies por guildas e as variáveis ambientais.

Classificação	Guilda ( $RV_{gp}$ )	Preditor	F	P
Groc et al (2013) A	Fungus growers	Teor de argila	0.033	0.855
		Vegetação	2.634	<b>0.021</b>
		Riqueza de espécies	2.109	0.150
		Amplitude de variação da temperatura ao dia	3.723	0.057
		Precipitação anual média	0.552	0.459
	Omnivores	Teor de argila	0.417	0.520
		Vegetação	0.222	0.969
		Riqueza de espécies	1.306	0.256
		Amplitude de variação da temperatura ao dia	0.039	0.843
		Precipitação anual média	0.047	0.829
	Predators	Teor de argila	0.335	0.564
		Vegetação	0.563	0.759
		Riqueza de espécies	0.022	0.883
		Amplitude de variação da temperatura ao dia	0.031	0.861
		Precipitação anual média	0.782	0.379
Groc et al (2013) B	Crypobiotic attini	Teor de argila	0.108	0.744
		Vegetação	1.183	0.339
		Riqueza de espécies	0.152	0.698
		Amplitude de variação da temperatura ao dia	0.314	0.585
		Precipitação anual média	0.089	0.774
	Generalists	Teor de argila	0.310	0.048
		Vegetação	0.974	0.447
		Riqueza de espécies	0.042	0.838

	Amplitude de variação da temperatura ao dia	0.002	0.965
	Precipitação anual média	0.003	0.955
PredatorsDew	Teor de argila	0.250	0.619
	Vegetação	0.504	0.801
	Riqueza de espécies	0.490	0.486
	Amplitude de variação da temperatura ao dia	0.288	0.601
	Precipitação anual média	0.059	0.814
OmnivoresDew	Teor de argila	0.998	0.321
	Vegetação	0.709	0.645
	Riqueza de espécies	0.239	0.626
	Amplitude de variação da temperatura ao dia	1.282	0.287
	Precipitação anual média	0.284	0.609
Especialists Predators	Teor de argila	3.371	0.083
	Vegetação	1.015	0.436
	Riqueza de espécies	0.512	0.477
	Amplitude de variação da temperatura ao dia	0.091	0.767
	Precipitação anual média	1.116	0.311
Leaf cutters	Teor de argila	0.457	0.501
	Vegetação	2.379	<b>0.015</b>
	Riqueza de espécies	1.917	0.171
	Amplitude de variação da temperatura ao dia	1.656	0.202
	Precipitação anual média	0.068	0.795
Raid hunting	Teor de argila	0.008	0.931
	Vegetação	0.375	0.890
	Riqueza de espécies	1.879	0.174
	Amplitude de variação da temperatura ao dia	0.311	0.589
	Precipitação anual média	0.612	0.456
Unificada	Teor de argila	0.000	0.995
	Vegetação	1.175	0.338
	Riqueza de espécies	0.107	0.746
	Amplitude de variação da temperatura ao dia	0.816	0.372
	Precipitação anual média	0.531	0.470
Dacetini predators	Teor de argila	2.936	0.092
	Vegetação	0.786	0.585
	Riqueza de espécies	0.746	0.391
	Amplitude de variação da temperatura ao dia	0.506	0.480
	Precipitação anual média	1.081	0.303
Generalized	Teor de argila	0.024	0.878

myrmicinaes	Vegetação	1.471	0.217
	Riqueza de espécies	4.876	<b>0.029</b>
	Amplitude de variação da temperatura ao dia	2.454	0.139
	Precipitação anual média	3.601	0.085
Hypogaeic generalist predators	Teor de argila	0.351	0.558
	Vegetação	1.846	0.184
	Riqueza de espécies	7.479	<b>0.009</b>
	Amplitude de variação da temperatura ao dia	5.212	0.056
Large sized epigaeic generalist predators	Precipitação anual média	1.521	0.258
	Teor de argila	0.001	0.971
	Vegetação	0.492	0.809
	Riqueza de espécies	2.299	0.133
Leaf cutters	Amplitude de variação da temperatura ao dia	0.169	0.690
	Precipitação anual média	0.926	0.364
	Teor de argila	0.519	0.477
	Vegetação	1.307	0.285
Litter nest fungus growers	Riqueza de espécies	1.955	0.171
	Amplitude de variação da temperatura ao dia	0.579	0.452
	Precipitação anual média	0.000	0.998
	Teor de argila	0.001	0.974
Medium sized epigeic generalist predators	Vegetação	1.809	<b>0.016</b>
	Riqueza de espécies	0.378	0.540
	Amplitude de variação da temperatura ao dia	1.601	0.209
	Precipitação anual média	0.041	0.839
Small-sized hypogaeic generalist foragers	Teor de argila	1.453	0.242
	Vegetação	0.692	0.641
	Riqueza de espécies	0.533	0.468
	Amplitude de variação da temperatura ao dia	0.012	0.918
Specialist predators living in soil	Precipitação anual média	0.034	0.860
	Teor de argila	0.000	0.988
	Vegetação	1.846	0.097
	Riqueza de espécies	5.553	<b>0.020</b>
Specialist predators living in soil	Amplitude de variação da temperatura ao dia	1.276	<b>0.001</b>
	Precipitação anual média	8.237	<b>0.005</b>
	Teor de argila	0.001	<b>0.031</b>
	Vegetação	0.059	0.943
Specialist predators living in soil	Riqueza de espécies	0.002	0.964
	Amplitude de variação da temperatura ao dia	0.217	0.647

### 3.1 Características morfológicas das assembléias de formigas

Um total de 972 formigas foram medidas, representando 281 espécies/morfoespécies coletadas nas 126 parcelas distribuídas ao longo de 1350 km do gradiente latitudinal estudado (Apendice 2). Ao todo, foram medidos 14.580 traços morfológicos (Apêndice 3). O número de espécies diferiu consideravelmente entre cada sítio de coleta, desde 34 espécies em Cauamé a 209 espécies na Reserva Ducke (Apendice 2). O número de espécies medidas foi menor do que o número de espécies usadas na classificação (tópico anterior), porque as espécies estritamente arborícolas, espécies que eventualmente forrageiam no solo e espécies subterrâneas não foram incluídas nas análises devido ao pequeno número de indivíduos amostrados (Apêndice 1).

Quatro eixos principais, baseado no critério *brokenstick* foram obtidos a partir da ordenação das 284 espécies e 15 características morfológicas, com 27,3% da variação descrito pelo PC1, 23,25% no PC2, 11,78% pelo PC3 e 10,22% no PC4. O método de agrupamento por modelos de distribuição normal multivariados baseados em máxima verossimilhança, sugere que oito grupos morfológicos podem ser distinguidos (Figura 5). De forma em geral esse agrupamento não recuperou os agrupamentos propostos pelos trabalhos. Normalmente espécies de guildas bem definidas e estáveis em diferentes classificações, como as predadoras dacetini de liteira, foram misturadas com outras espécies (Apêndice 1), mas algumas guildas foram recuperadas com grande congruência. Por exemplo, todas as espécies do gênero *Hypoponera* foram agrupadas na guilda G (Apêndice 1). No entanto, mantivemos essa classificação por usar somente caracteres morfológicos.



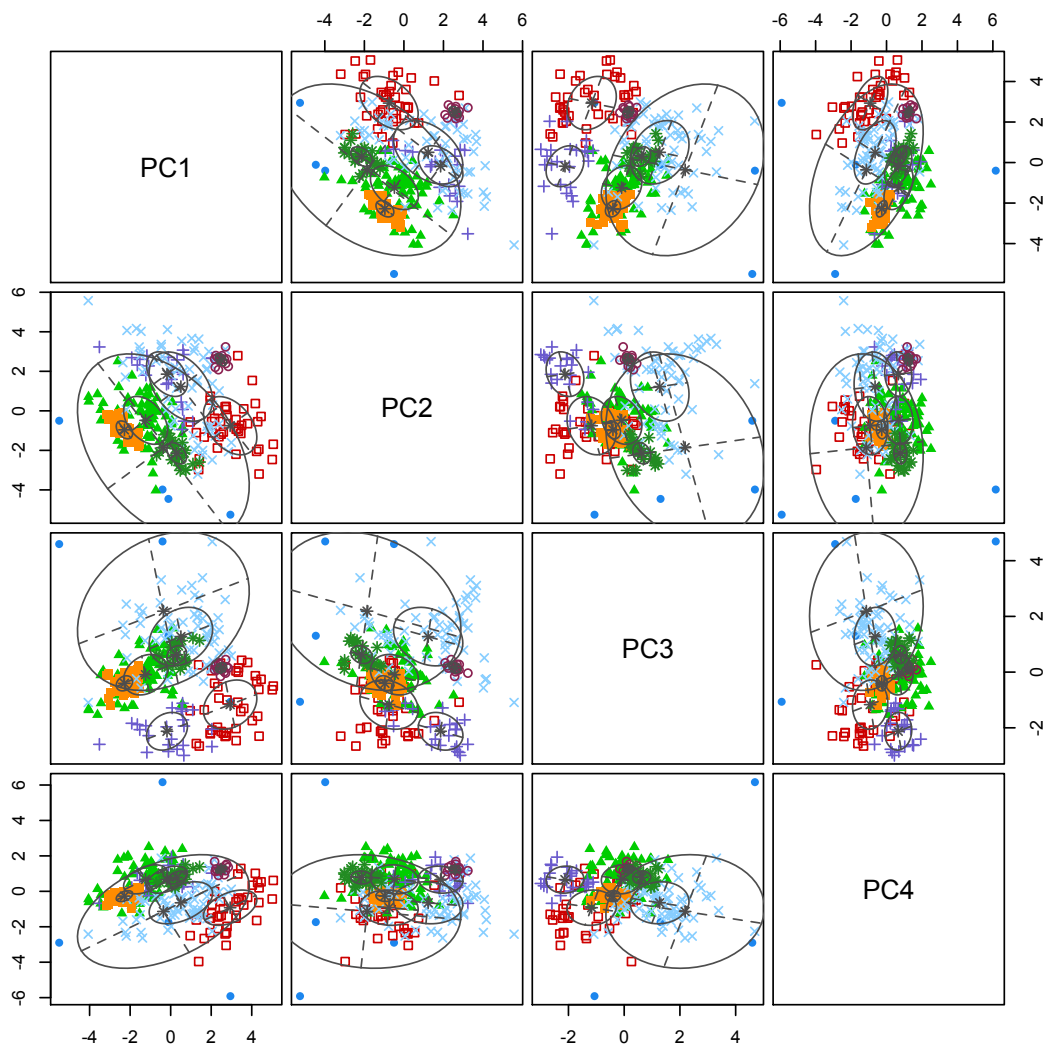


Figura 5 - Posições das espécies de formigas em relação aos quatro primeiros eixos de componentes principais (PCs) no espaço morfológico definido por todas as 284 espécies. Cores diferentes indicam o agrupamento proposto pelo método de distribuição normal multivariados baseados em máxima verossimilhança. Os círculos representam a distribuição esperada e o asterisco representa o centroide de cada grupo. A lista de espécie pertencentes a cada grupo está no apêndice 1.

Os resultados dos modelos entre proporcionalidade de guildas e variáveis ambientais foram similares aos reportados para as guildas descritas na literatura (tabela 5). De forma em geral a proporcionalidade das guildas foi similar ao esperado pelo acaso para a maioria dos agrupamentos. No entanto, os grupos G e H mostraram relações positivas com algumas variáveis ambientais, sugerindo que o ambiente pode alterar a proporção de espécies por guildas. O grupo G foi composto por espécies de hypoponera e se assemelha muito com o grupo *Small-size hypogaeic generalista foragers* que

também apresentou relações fortes com as mesmas variáveis ambientais. Já o grupo H é composto por espécies generalistas do gênero *Pheidole* e mostrou uma relação com o número de espécies por parcela, sugerindo que a competição entre espécies pode atuar para esse grupo.

Tabela 5 - Relações entre a proporcionalidade do número de espécies por guildas criadas a partir de medidas morfométricas apenas e as variáveis ambientais.

Guildd (RV <sub>gp</sub> )	Preditor	F	P
A	Teor de argila	0.019	0.891
	Vegetação	0.630	0.705
	Riqueza de espécies	0.054	0.818
	Amplitude de variação da temperatura ao dia	0.033	0.873
	Precipitação anual média	0.876	0.393
B	Teor de argila	1.276	0.262
	Vegetação	1.448	0.207
	Riqueza de espécies	0.208	0.650
	Amplitude de variação da temperatura ao dia	2.631	0.109
	Precipitação anual média	0.005	0.942
C	Teor de argila	3.512	0.065
	Vegetação	1.270	0.354
	Riqueza de espécies	0.335	0.564
	Amplitude de variação da temperatura ao dia	0.529	0.493
	Precipitação anual média	0.272	0.618
D	Teor de argila	1.885	0.176
	Vegetação	1.843	0.109
	Riqueza de espécies	0.900	0.347
	Amplitude de variação da temperatura ao dia	2.189	0.145
	Precipitação anual média	0.390	0.535
E	Teor de argila	2.935	0.090
	Vegetação	0.769	0.596
	Riqueza de espécies	0.025	0.875
	Amplitude de variação da temperatura ao dia	0.015	0.902
	Precipitação anual média	0.291	0.591
F	Teor de argila	0.039	0.843
	Vegetação	0.389	0.868
	Riqueza de espécies	0.185	0.669
	Amplitude de variação da temperatura ao dia	0.353	0.573
	Precipitação anual	0.522	0.495
G	Teor de argila	0.283	0.597
	Vegetação	1.891	0.113
	Riqueza de espécies	2.944	0.093

	Amplitude de variação da temperatura ao dia	5.657	0.021
	Precipitação annual média	2.340	0.133
	Teor de argila	0.144	0.705
	Vegetação	2.218	0.049
H	Riqueza de espécies	3.905	0.051
	Amplitude de variação da temperatura ao dia	9.464	0.003
	Precipitação annual média	5.170	0.025

#### 4. DISCUSSÃO

Nossos resultados sugerem que os gradientes ambientais atuam na estabilidade dos grupos funcionais de formigas de solo e liteira da Amazônia. As classificações gerais se mostraram menos sensíveis do que as classificações mais detalhadas. Formigas menores também parecem ser mais sensíveis a mudanças no ambiente, mas de forma em geral o número de espécies por guildas, independente do tipo de classificação foi estável ao longo de um amplo gradiente ambiental. Nossos resultados indicam que a classificação das espécies de formigas em guildas é uma forma promissora de simplificar e economizar tempo e recursos e que podendo ser aplicada em uma grande extensão Amazônia.

A relação da guilda Leaf-cutters com a vegetação pode ser explicada pelo fato de as formigas que pertencem a esse grupo serem espécies que vivem mutualisticamente e usam substratos de plantas vivas ou mortas para o crescimento do seu fungo (Brandão, 2012). Onde as formigas mantêm o crescimento do fungo e livra-o de possíveis competidores, por outro lado o fungo provê alimento necessário para larvas e operárias. As formigas cortadeiras, especificamente de *Atta*, são responsáveis por importantes processos ecológicos, através da escavação de grandes quantidades de solo e herbívora no sub-bosque da vegetação. As colônias modificam profundamente o ambiente próximo aos ninhos, alterando a estrutura física do solo, a distribuição de nutrientes nas camadas do solo, assim como a composição, produtividade e distribuição das plantas (Weber, 1972; Lofgren e Vander Meer, 1986; Farji-Brener & Illes 2000).

A proporção de espécies para guilda Specialists Predators teve relação com teor de argila e altitude, indivíduos dessa guilda vivem em serapilheira ou

são hipogéicos. Neste grupo especializado estão incluídas espécies de formigas que têm um comportamento de caça relativamente elaborado envolvendo grupos organizados em massa de trabalhadores que caçam em colunas durante o forrageamento (por exemplo, *Pachycondyla marginata* (Roger) que antecede exclusivamente os cupins *Neuxpritermes opacus* Holmgren (Leal e Oliveira 1995). Ao contrário das formigas legionárias ou de correição, que sempre se alimentam em colunas relativamente grandes de trabalhadores, a predação em espécies desse grupo geralmente envolve um pequeno grupo liderado por um único trabalhador. Operárias dessa espécie usam feromônios para marcar uma trilha até o recurso alimentar e depois recruta um grande número de operárias de colônias. Outra diferença fundamental com as verdadeiras formigas legionárias (Ecitoninae e Dorylinae) é que a migração frequente da colônia não segue o ritmo característico dos legionários e o desenvolvimento de imaturos também não é sincronizado (Maschwitz *et al.* 1989). Predadores de massa se especializam na exploração de vários nichos.

Dacetini, grupo que teve relação com teor de argila e a altitude possui uma mirmecofauna típica da serapilheira. A maioria dos membros da tribo vive em colônias monogínicas, forrageando e nidificando na serapilheira e nas camadas superficiais do solo, ou entre raízes superficiais (Bolton 1998). Todas as espécies conhecidas são predadoras, principalmente de Collembola, mas várias espécies também são conhecidas por caçar uma grande variedade de outros pequenos artrópodes, como Diplura, Symphyla, Chilopoda, pseudoscorpions, ácaros, Araneae, isópodes, anfípodes e pequenos insetos e suas larvas. (Dejean 1987a, b). Estruturalmente, as mandíbulas são notavelmente modificadas; sendo empregado na predação, a maioria das especializações reflete uma técnica especial para captura de presas (Bolton 1998, 1999). Estas espécies são muito comuns em amostras de serapilheira de florestas tropicais e subtropicais. Algumas espécies são localmente relativamente abundantes (Fisher 1999; Dietz 2004). Em formigas, a especialização das mandíbulas não envolve apenas a forma, mas também depende da velocidade e força que elas podem gerar (Gronenberg *et al.* 1997, 1998).

A proporção de espécies *Generalized myrmicinaes* teve relação com a riqueza e precipitação anual média, são um grupo de formigas que inclui várias espécies Myrmicinae com mandíbulas triangulares e relativamente curtas, olhos bem desenvolvidos amplamente separados, algumas espécies deste grupo são reconhecidamente onívoros e classificadas como generalistas nas propostas de outras guildas, como *Pheidole*. O gênero *Pheidole* apresenta uma combinação bastante uniforme de características anatômicas - quase todas as espécies são facilmente separadas das de todos os outros gêneros. Todos os habitats são aceitáveis para elas: secos, úmidos, abertos ou sombreados. As colônias geralmente se mudam para locais mais favoráveis quando disponíveis (Way e Bolton, 1997). É o gênero mais rico e hiperdiverso entre todas as formigas. O número de espécies descritas no mundo chega a 900 e a riqueza geral é estimada em cerca de 1.500 espécies (Wilson 2003). Além disso, é localmente abundante e é frequentemente o gênero predominante na maioria das áreas de clima quente do mundo, especialmente no solo e na serrapilheira.

A proporção de espécies classificadas em *hypogaecic generalist predators* foram relacionadas com o tipo de vegetação, riqueza e temperatura média mensal. As formigas hipogéicas de tamanho médio (espécies que se alimentam exclusivamente dentro da serrapilheira) apresentam tamanho corporal médio (0,5 a 1 cm) e são caracterizadas pela redução dos olhos relativamente próximos da inserção das mandíbulas. Este grupo inclui comparativamente pequenas espécies monomórficas de *Gnamptogenys*, *Hypoponera* e *Pachycondyla* (como *P. ferruginea* (F. Smith) e *P. stigma* (F.)). A biologia dessas espécies é pouco conhecida, mas a redução de olhos e hábitos hipogaicos predatórios sugere que eles geralmente capturam suas pequenas presas de artrópodes dentro dos interstícios da serapilheira. As formigas hipogéicas de tamanho pequeno considerando os critérios morfológicos, o grupo de formigas de pequeno porte é formado exclusivamente por espécies do gênero *Hypoconera*, reunindo espécies de formigas relativamente pequenas (menos de 0,5 cm) com pequenas mandíbulas triangulares com olhos reduzidos a um omatídio e inseridos próximos à articulação das mandíbulas. Não há informações detalhadas sobre a biologia nutricional desse grupo, mas todas as espécies são consideradas predadoras generalistas (Brown 2000). No

entanto, é comum encontrar várias espécies de *Hypoponera* vivendo na mesma amostra de 1 m<sup>2</sup> de serapilheira.

Nossos resultados sugerem que para a maioria dos casos o número de espécies por guilda, independente do tipo de classificação usado, é estável ao longo de um grande gradiente ambiental. A maioria das guildas, independente do tipo de classificação adotado, não apresentou relação com os gradientes ambientais estudados. Isso sugere que classificações das espécies de formigas em guildas são relativamente estáveis e é uma forma promissora de investigar o papel ecológico e o funcionamento das assembleias de formigas na Amazônia.

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## Apêndice 1.

Lista de espécies e respectivas classificações de acordo com Groc *et al.* (2013), classificação baseada em Silva e Brandão (2010) com adequações para fauna amazônica e classificação pelo método de agrupamento por modelos de distribuição normal multivariados baseados em máxima verossimilhança (morfo). Nesta classificação somente informações morfológicas foram usadas.

Taxon	Groc et al. - A	Groc et al. - B	Silva & Brandão - adaptada	morfo
<i>Acanthognathus ocellatus</i>	Predators	Ground dwelling specialist predators	Dacetini predators	B
<i>Acanthognathus teledectus</i>	Predators	Ground dwelling specialist predators	Dacetini predators	A
<i>Acanthostichus bentoni</i>	Predators	Ground dwelling specialist predators	Specialist predators living in the soil superficial layers	B
<i>Acromyrmex sp 01</i>	Fungus growers	Leaf cutters	Leaf cutters	C
<i>Acromyrmex sp 03</i>	Fungus growers	Leaf cutters	Leaf cutters	
<i>Acromyrmex subterraneus</i>	Fungus growers	Leaf cutters	Leaf cutters	C
<i>Anochetus diegensis</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	D
<i>Anochetus emarginatus</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	C
<i>Anochetus horridus</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	C
<i>Apterostigma auriculatum</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	
<i>Apterostigma pilosum</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	D
<i>Apterostigma sp 02</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	
<i>Apterostigma sp 03</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	D
<i>Apterostigma sp 04</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	D
<i>Apterostigma urichii</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	D
<i>Atta cephalotes</i>	Fungus growers	Leaf cutters	Leaf cutters	C
<i>Atta sexdens</i>	Fungus growers	Leaf cutters	Leaf cutters	C
<i>Basiceros pilulifera</i>	Predators	Ground dwelling generalist predators	Dacetini predators	
<i>Basiceros sp 03</i>	Predators	Ground dwelling generalist predators	Dacetini predators	
<i>Blepharidatta brasiliensis</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	F
<i>Brachymyrmex heeri</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	A

<i>Brachymyrmex longicornis</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	C
<i>Brachymyrmex sp 01</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	
<i>Brachymyrmex sp 02</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	
<i>Brachymyrmex sp 03</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	C
<i>Carebara escherichi</i>	Omnivores	Ground dwelling omnivores	Small sized hypogaeic generalist foragers	B
<i>Carebara escherichi b</i>	Omnivores	Ground dwelling omnivores	Small sized hypogaeic generalist foragers	B
<i>Carebara inca c.f.</i>	Omnivores	Ground dwelling omnivores	Small sized hypogaeic generalist foragers	
<i>Carebara lignata</i>	Omnivores	Ground dwelling omnivores	Small sized hypogaeic generalist foragers	B
<i>Carebara urichi</i>	Omnivores	Ground dwelling omnivores	Small sized hypogaeic generalist foragers	B
<i>Centromyrmex alfaroi</i>	Predators	Ground dwelling specialist predators	Specialist predators living in the soil superficial layers	
<i>Centromyrmex brachycola</i>	Predators	Ground dwelling specialist predators	Specialist predators living in the soil superficial layers	
<i>Centromyrmex gigas</i>	Predators	Ground dwelling specialist predators	Specialist predators living in the soil superficial layers	
<i>Centromyrmex sp 01</i>	Predators	Ground dwelling specialist predators	Specialist predators living in the soil superficial layers	
<i>Crematogaster brasiliensis</i>	Omnivores	Arboreal omnivores	Generalistics:generalized dolichoderinaes	
<i>Crematogaster carinata</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	
<i>Crematogaster curvispinosa</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	
<i>Crematogaster erecta</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	
<i>Crematogaster evallans</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	
<i>Crematogaster flavomicrops</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	
<i>Crematogaster flavosensitiva</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	
<i>Crematogaster jardinero</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	
<i>Crematogaster limata</i>	Omnivores	Arboreal omnivores	Generalistics:generalized dolichoderinaes	
<i>Crematogaster longispina</i>	Omnivores	Arboreal omnivores	Generalistics:generalized dolichoderinaes	
<i>Crematogaster nigropilosa</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	
<i>Crematogaster sotobosque</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	
<i>Crematogaster tenuicula</i>	Omnivores	Arboreal omnivores	Generalistics:generalized dolichoderinaes	
<i>Crematogaster torosa</i>	Omnivores	Arboreal omnivores	Generalistics:generalized dolichoderinaes	
<i>Cryptomyrmex longinodus</i>	Predators	Ground dwelling specialist predators	Specialist predators living in the soil superficial layers	B

<i>Cyphomyrmex laevigatus</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	C
<i>Cyphomyrmex lectus c.f.</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	
<i>Cyphomyrmex peltatus</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	C
<i>Cyphomyrmex rimosus</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	C
<i>Cyphomyrmex sp 02</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	C
<i>Cyphomyrmex sp 03</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	C
<i>Cyphomyrmex sp 04</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	C
<i>Cyphomyrmex sp 05</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	C
<i>Cyphomyrmex sp 06</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	
<i>Cyphomyrmex sp 07</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	C
<i>Discothyrea denticulata</i>	Predators	Ground dwelling specialist predators	Small sized hypogaeic generalist foragers	B
<i>Discothyrea neotropica</i>	Predators	Ground dwelling specialist predators	Small sized hypogaeic generalist foragers	B
<i>Discothyrea sexarticulata</i>	Predators	Ground dwelling specialist predators	Small sized hypogaeic generalist foragers	
<i>Dorymyrmex bicolor</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Dorymyrmex goeldii</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Dorymyrmex richteri</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	C
<i>Eciton burchellii</i>	Predators	Raid hunting predators	Army ant	D
<i>Eciton dulcius</i>	Predators	Raid hunting predators	Army ant	D
<i>Eciton rapax</i>	Predators	Raid hunting predators	Army ant	D
<i>Ectatomma brunneum</i>	Omnivores	Generalist omnivores	Large sized epigaeic generalist predators	F
<i>Ectatomma edentatum</i>	Omnivores	Generalist omnivores	Large sized epigaeic generalist predators	
<i>Ectatomma lugens</i>	Omnivores	Generalist omnivores	Large sized epigaeic generalist predators	F
<i>Ectatomma ruidum</i>	Omnivores	Generalist omnivores	Large sized epigaeic generalist predators	F
<i>Forelius pruinosus c.f.</i>	Omnivores	Ground dwelling omnivores	Small sized hypogaeic generalist foragers	
<i>Gigantiops destructor</i>	Predators	Ground dwelling generalist predators	Generalistics:generalized dolichoderinaes	A
<i>Gnamptogenys acuminata</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	F
<i>Gnamptogenys curvoclypeata</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	F
<i>Gnamptogenys estrigata</i>	Predators	Ground dwelling generalist predators	Medium sized epigaeic generalist predators	F

<i>Gnamptogenys haenschi</i>	Omnivores	Ground dwelling omnivores	Medium sized epigaeic generalist predators	F
<i>Gnamptogenys horni</i>	Predators	Ground dwelling generalist predators	Medium sized epigaeic generalist predators	F
<i>Gnamptogenys minuta</i>	Predators	Ground dwelling generalist predators	Medium sized epigaeic generalist predators	G
<i>Gnamptogenys moelleri</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	F
<i>Gnamptogenys mordax</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	F
<i>Gnamptogenys regularis</i>	Predators	Ground dwelling generalist predators	Medium sized epigaeic generalist predators	F
<i>Gnamptogenys relictata</i>	Predators	Ground dwelling generalist predators	Medium sized epigaeic generalist predators	F
<i>Gnamptogenys sp 01</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	F
<i>Gnamptogenys sp 02</i>	Predators	Ground dwelling generalist predators	Medium sized epigaeic generalist predators	F
<i>Gnamptogenys sp 08</i>	Predators	Ground dwelling generalist predators	Medium sized epigaeic generalist predators	F
<i>Gnamptogenys striatula</i>	Predators	Ground dwelling generalist predators	Medium sized epigaeic generalist predators	F
<i>Gnamptogenys strigata</i>	Predators	Ground dwelling generalist predators	Medium sized epigaeic generalist predators	
<i>Gnamptogenys sulcata</i>	Omnivores	Ground dwelling omnivores	Large sized epigaeic generalist predators	F
<i>Gnamptogenys tortuolosa</i>	Predators	Ground dwelling generalist predators	Medium sized epigaeic generalist predators	F
<i>Hylomyrma immanis</i>	Predators	Ground dwelling generalist predators	Medium sized epigaeic generalist predators	F
<i>Hylomyrma sp 01</i>	Predators	Ground dwelling generalist predators	Medium sized epigaeic generalist predators	F
<i>Hylomyrma sp 02</i>	Predators	Ground dwelling generalist predators	Medium sized epigaeic generalist predators	F
<i>Hypoponera sp 01</i>	Predators	Ground dwelling generalist predators	Hypogaeic generalist predators	G
<i>Hypoponera sp 02</i>	Predators	Ground dwelling generalist predators	Hypogaeic generalist predators	G
<i>Hypoponera sp 03</i>	Predators	Ground dwelling generalist predators	Hypogaeic generalist predators	G
<i>Hypoponera sp 04</i>	Predators	Ground dwelling generalist predators	Hypogaeic generalist predators	G
<i>Hypoponera sp 05</i>	Predators	Ground dwelling generalist predators	Hypogaeic generalist predators	G
<i>Hypoponera sp 06</i>	Predators	Ground dwelling generalist predators	Hypogaeic generalist predators	G
<i>Hypoponera sp 07</i>	Predators	Ground dwelling generalist predators	Hypogaeic generalist predators	G
<i>Hypoponera sp 08</i>	Predators	Ground dwelling generalist predators	Hypogaeic generalist predators	G
<i>Hypoponera sp 09</i>	Predators	Ground dwelling generalist predators	Hypogaeic generalist predators	G
<i>Hypoponera sp 10</i>	Predators	Ground dwelling generalist predators	Hypogaeic generalist predators	G
<i>Hypoponera sp 11</i>	Predators	Ground dwelling generalist predators	Hypogaeic generalist predators	G

<i>Hypoponera sp 12</i>	Predators	Ground dwelling generalist predators	Hypogaeic generalist predators	G
<i>Hypoponera sp 13</i>	Predators	Ground dwelling generalist predators	Medium sized epigaeic generalist predators	G
<i>Hypoponera sp 14</i>	Predators	Ground dwelling generalist predators	Hypogaeic generalist predators	F
<i>Kalathomyrmex emry</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	C
<i>Labidus coecus</i>	Predators	Raid hunting predators	Army ant	D
<i>Labidus mars</i>	Predators	Raid hunting predators	Army ant	D
<i>Labidus praedator</i>	Predators	Raid hunting predators	Army ant	D
<i>Labidus spininodis</i>	Predators	Raid hunting predators	Army ant	D
<i>Lachynomymex amazonicus</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	F
<i>Leptogenys famelica</i>	Predators	Raid hunting predators	Medium sized epigaeic generalist predators	F
<i>Leptogenys gagei</i>	Predators	Raid hunting predators	Large sized epigaeic generalist predators	F
<i>Leptogenys pusilla</i>	Predators	Raid hunting predators	Large sized epigaeic generalist predators	F
<i>Leptogenys sp 04</i>	Predators	Raid hunting predators	Large sized epigaeic generalist predators	F
<i>Leptogenys wheeleri</i>	Predators	Raid hunting predators	Medium sized epigaeic generalist predators	
<i>Linepithema sp 01</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	
<i>Mayaponera constricta</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	F
<i>Megalomyrmex balzani</i>	Omnivores	Ground dwelling omnivores	Generalistics:generalized dolichoderinaes	C
<i>Megalomyrmex cuatiara</i>	Omnivores	Ground dwelling omnivores	Generalistics:generalized dolichoderinaes	F
<i>Megalomyrmex driftii</i>	Omnivores	Ground dwelling omnivores	Generalistics:generalized dolichoderinaes	C
<i>Megalomyrmex goeldii</i>	Omnivores	Ground dwelling omnivores	Generalistics:generalized dolichoderinaes	
<i>Megalomyrmex incisus</i>	Omnivores	Ground dwelling omnivores	Generalistics:generalized dolichoderinaes	F
<i>Megalomyrmex leoninus</i>	Omnivores	Ground dwelling omnivores	Generalistics:generalized dolichoderinaes	F
<i>Megalomyrmex silvestrii</i>	Predators	Ground dwelling generalist predators	Generalistics:generalized dolichoderinaes	C
<i>Megalomyrmex sp 04</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	F
<i>Monomorium floricola</i>	Omnivores	Generalist omnivores	Small sized hypogaeic generalist foragers	B
<i>Monomorium pharaonis</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	F
<i>Monomorium sp 01</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	
<i>Mycocepurus smithii</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	H



<i>Mycocepurus sp 01</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	H
<i>Myrmicocrypta sp 01</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	D
<i>Myrmicocrypta sp 02</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	D
<i>Myrmicocrypta sp 03</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	D
<i>Myrmicocrypta sp 04</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	D
<i>Neivamyrmex adnepos</i>	Predators	Raid hunting predators	Army ant	D
<i>Neivamyrmex angustinodis</i>	Predators	Raid hunting predators	Army ant	D
<i>Neivamyrmex gibbatus</i>	Predators	Raid hunting predators	Army ant	D
<i>Neivamyrmex iridenscens</i>	Predators	Raid hunting predators	Army ant	D
<i>Neivamyrmex orthonotus</i>	Predators	Raid hunting predators	Army ant	D
<i>Neivamyrmex pilosus</i>	Predators	Raid hunting predators	Army ant	D
<i>Neivamyrmex punctaticeps</i>	Predators	Raid hunting predators	Army ant	
<i>Neivamyrmex swainsonii</i>	Predators	Raid hunting predators	Army ant	
<i>Neoponera apicalis</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	F
<i>Neoponera commutata</i>	Predators	Raid hunting predators	Large sized epigaeic generalist predators	F
<i>Neoponera crenata</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	
<i>Neoponera inversa</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	
<i>Neoponera laevigata</i>	Predators	Raid hunting predators	Large sized epigaeic generalist predators	F
<i>Neoponera unidentata</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	
<i>Neoponera verenae</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	F
<i>Nesomyrmex asper c.f.</i>	Predators	Ground dwelling generalist predators	Medium sized epigaeic generalist predators	
<i>Nesomyrmex echinatinodis</i>	Predators	Ground dwelling generalist predators	Medium sized epigaeic generalist predators	
<i>Nesomyrmex pleuriticus</i>	Predators	Ground dwelling generalist predators	Medium sized epigaeic generalist predators	
<i>Nesomyrmex wilda c.f.</i>	Predators	Ground dwelling generalist predators	Medium sized epigaeic generalist predators	
<i>Nomamyrmex esenbeckii</i>	Predators	Raid hunting predators	Army ant	D
<i>Nomamyrmex hartigi</i>	Predators	Raid hunting predators	Army ant	
<i>Nylanderia caeciliae</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	
<i>Nylanderia guatemalensis</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	

<i>Nylanderia sp 01</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	C
<i>Nylanderia sp 04</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Nylanderia sp 05</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	
<i>Ochetomyrmex neopolitus</i>	Omnivores	Ground dwelling omnivores	Generalistics:generalized dolichoderinaes	F
<i>Ochetomyrmex semipolitus</i>	Omnivores	Ground dwelling omnivores	Generalistics:generalized dolichoderinaes	F
<i>Octostruma balzani</i>	Predators	Ground dwelling generalist predators	Dacetini predators	B
<i>Octostruma iheringi</i>	Predators	Ground dwelling generalist predators	Dacetini predators	B
<i>Octostruma sp 01</i>	Predators	Ground dwelling generalist predators	Dacetini predators	B
<i>Odontomachus bauri</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	C
<i>Odontomachus brunneus</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	C
<i>Odontomachus caelatus</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	C
<i>Odontomachus haematodus</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	C
<i>Odontomachus laticeps</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	C
<i>Odontomachus meinerti</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	C
<i>Odontomachus opaciventris</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	C
<i>Odontomachus scalptus</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	C
<i>Oxyepoecus ephippiatus</i>	Omnivores	Ground dwelling omnivores	Generalistics:generalized dolichoderinaes	F
<i>Oxyepoecus sp 01</i>	Omnivores	Ground dwelling omnivores	Generalistics:generalized dolichoderinaes	F
<i>Pachycondyla crassinoda</i>	Predators	Raid hunting predators	Large sized epigaeic generalist predators	F
<i>Pachycondyla curvinodis</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	F
<i>Pachycondyla ferruginea</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	F
<i>Pachycondyla globularia</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	F
<i>Pachycondyla harpax</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	F
<i>Pachycondyla impressa</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	F
<i>Pachycondyla marginata</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	F
<i>Pachycondyla prociua</i>	Predators	Ground dwelling generalist predators	Medium sized epigaeic generalist predators	
<i>Pachycondyla sp 02</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	
<i>Pachycondyla striata</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	F

<i>Pheidole biconstricta</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Pheidole cataractae</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Pheidole deima</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	
<i>Pheidole embolopyx</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Pheidole exigua</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	H
<i>Pheidole flavens</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	
<i>Pheidole fracticeps</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	
<i>Pheidole meinerti</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	C
<i>Pheidole nitella</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Pheidole nova 1</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	H
<i>Pheidole nova 14</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	C
<i>Pheidole nova 15</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	C
<i>Pheidole nova 18</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Pheidole nova 19</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	C
<i>Pheidole nova 22</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Pheidole nova 23</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	C
<i>Pheidole nova 27</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Pheidole nova 3</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	C
<i>Pheidole nova 8</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	B
<i>Pheidole radoszkowiskii</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	
<i>Pheidole sp 01</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	H
<i>Pheidole sp 02</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Pheidole sp 04</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	C
<i>Pheidole sp 05</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Pheidole sp 07</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	H
<i>Pheidole sp 09</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	H
<i>Pheidole sp 10</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Pheidole sp 100</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E

<i>Pheidole sp 105</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	C
<i>Pheidole sp 106</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Pheidole sp 11</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	C
<i>Pheidole sp 111</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	C
<i>Pheidole sp 12</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	C
<i>Pheidole sp 120</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	C
<i>Pheidole sp 121</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	C
<i>Pheidole sp 13</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Pheidole sp 14</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	C
<i>Pheidole sp 15</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	H
<i>Pheidole sp 16</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Pheidole sp 17</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Pheidole sp 18</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Pheidole sp 19</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Pheidole sp 20</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Pheidole sp 23</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	C
<i>Pheidole sp 24</i>	Omnivores	Generalist omnivores	Small sized hypogaeic generalist foragers	C
<i>Pheidole sp 25</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Pheidole sp 26</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Pheidole sp 27</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	H
<i>Pheidole sp 28</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	C
<i>Pheidole sp 29</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Pheidole sp 30</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Pheidole sp 31</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	H
<i>Pheidole sp 32</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Pheidole sp 34</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Pheidole sp 36</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Pheidole sp 37</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E



<i>Pheidole sp 75</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	H
<i>Pheidole sp 76</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Pheidole sp 77</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	H
<i>Pheidole sp 78</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	H
<i>Pheidole sp 79</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	E
<i>Pheidole tortuolosa</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	H
<i>Pheidole vorax</i>	Omnivores	Generalist omnivores	Medium sized epigaeic generalist predators	C
<i>Pogonomyrmex naegelii</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	F
<i>Pogonomyrmex sp 02</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	
<i>Prionopelta modesta</i>	Predators	Ground dwelling specialist predators	Specialist predators living in the soil superficial layers	B
<i>Prionopelta punctulata</i>	Predators	Ground dwelling specialist predators	Specialist predators living in the soil superficial layers	
<i>Pseudoponera stigma</i>	Predators	Ground dwelling generalist predators	Medium sized epigaeic generalist predators	
<i>Rasopone arhuaca</i>	Predators	Ground dwelling generalist predators	Medium sized epigaeic generalist predators	F
<i>Rasopone lunaris</i>	Predators	Ground dwelling generalist predators	Large sized epigaeic generalist predators	F
<i>Rogeria alzatei</i>	Omnivores	Ground dwelling omnivores	Medium sized epigaeic generalist predators	F
<i>Rogeria cornuta</i>	Omnivores	Ground dwelling omnivores	Small sized hypogaeic generalist foragers	F
<i>Rogeria foreli</i>	Omnivores	Ground dwelling omnivores	Medium sized epigaeic generalist predators	F
<i>Rogeria leptonana</i>	Omnivores	Ground dwelling omnivores	Small sized hypogaeic generalist foragers	F
<i>Rogeria sp 01</i>	Omnivores	Ground dwelling omnivores	Small sized hypogaeic generalist foragers	F
<i>Sericomyrmex sp 01</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	C
<i>Sericomyrmex sp 05</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	C
<i>Solenopsis brevicornis</i>	Omnivores	Ground dwelling omnivores	Small sized hypogaeic generalist foragers	B
<i>Solenopsis castor</i>	Omnivores	Ground dwelling omnivores	Small sized hypogaeic generalist foragers	F
<i>Solenopsis clytemnestra</i>	Omnivores	Ground dwelling omnivores	Small sized hypogaeic generalist foragers	F
<i>Solenopsis geminata</i>	Omnivores	Ground dwelling omnivores	Generalistics:generalized dolichoderinaes	F
<i>Solenopsis saevissima</i>	Omnivores	Ground dwelling omnivores	Small sized hypogaeic generalist foragers	B
<i>Solenopsis sp 06</i>	Omnivores	Ground dwelling omnivores	Small sized hypogaeic generalist foragers	B
<i>Solenopsis sp 09</i>	Omnivores	Ground dwelling omnivores	Small sized hypogaeic generalist foragers	B

<i>Solenopsis sp 11</i>	Omnivores	Ground dwelling omnivores	Small sized hypogaeic generalist foragers	B
<i>Solenopsis sp 13</i>	Omnivores	Ground dwelling omnivores	Small sized hypogaeic generalist foragers	B
<i>Strumigenys appretiata</i>	Predators	Ground dwelling specialist predators	Dacetini predators	B
<i>Strumigenys beebei</i>	Predators	Ground dwelling specialist predators	Dacetini predators	B
<i>Strumigenys carinithorax</i>	Predators	Ground dwelling specialist predators	Dacetini predators	
<i>Strumigenys cincinnata</i>	Predators	Ground dwelling specialist predators	Dacetini predators	B
<i>Strumigenys cosmostela</i>	Predators	Ground dwelling specialist predators	Dacetini predators	
<i>Strumigenys decipula</i>	Predators	Ground dwelling specialist predators	Dacetini predators	
<i>Strumigenys denticulata</i>	Predators	Ground dwelling specialist predators	Dacetini predators	B
<i>Strumigenys elongata</i>	Predators	Ground dwelling specialist predators	Dacetini predators	B
<i>Strumigenys infidelis</i>	Predators	Ground dwelling specialist predators	Dacetini predators	B
<i>Strumigenys inusitata</i>	Predators	Ground dwelling specialist predators	Dacetini predators	B
<i>Strumigenys perparva</i>	Predators	Ground dwelling specialist predators	Dacetini predators	B
<i>Strumigenys precava</i>	Predators	Ground dwelling specialist predators	Dacetini predators	
<i>Strumigenys smithii</i>	Predators	Ground dwelling specialist predators	Dacetini predators	B
<i>Strumigenys sp 01</i>	Predators	Ground dwelling specialist predators	Dacetini predators	B
<i>Strumigenys sp 02</i>	Predators	Ground dwelling specialist predators	Dacetini predators	B
<i>Strumigenys sp 06</i>	Predators	Ground dwelling specialist predators	Dacetini predators	
<i>Strumigenys sp 07</i>	Predators	Ground dwelling specialist predators	Dacetini predators	
<i>Strumigenys sp 08</i>	Predators	Ground dwelling specialist predators	Dacetini predators	B
<i>Strumigenys sp 09</i>	Predators	Ground dwelling specialist predators	Dacetini predators	B
<i>Strumigenys sp 11</i>	Predators	Ground dwelling specialist predators	Dacetini predators	
<i>Strumigenys stenotes</i>	Predators	Ground dwelling specialist predators	Dacetini predators	B
<i>Strumigenys trinidadensis</i>	Predators	Ground dwelling specialist predators	Dacetini predators	B
<i>Strumigenys trudifera</i>	Predators	Ground dwelling specialist predators	Dacetini predators	B
<i>Strumigenys villiersi</i>	Predators	Ground dwelling specialist predators	Dacetini predators	B
<i>Strumigenys zeteki</i>	Predators	Ground dwelling specialist predators	Dacetini predators	B
<i>Tapinoma melanocephalum</i>	Omnivores	Ground dwelling omnivores	Small sized hypogaeic generalist foragers	

<i>Tapinoma sp 01</i>	Omnivores	Ground dwelling omnivores	Small sized hypogaeic generalist foragers	
<i>Thaumatomyrmex atrox</i>	Predators	Ground dwelling specialist predators	Specialist predators living in the soil superficial layers	F
<i>Trachymyrmex bugnioni</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	C
<i>Trachymyrmex cornetzi</i>	Fungus growers	Leaf cutters	Litter nesting fungus growers	C
<i>Trachymyrmex diversus</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	C
<i>Trachymyrmex farinosus</i>	Fungus growers	Leaf cutters	Litter nesting fungus growers	C
<i>Trachymyrmex isthmicus</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	C
<i>Trachymyrmex mandibulares</i>	Fungus growers	Leaf cutters	Litter nesting fungus growers	C
<i>Trachymyrmex opulentus</i>	Fungus growers	Leaf cutters	Litter nesting fungus growers	C
<i>Trachymyrmex ruthae</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	C
<i>Trachymyrmex sp 01</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	C
<i>Trachymyrmex sp 02</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	C
<i>Trachymyrmex sp 03</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	C
<i>Trachymyrmex sp 04</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	C
<i>Trachymyrmex sp 05</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	C
<i>Trachymyrmex sp 06</i>	Fungus growers	Cryptobiotic attines	Litter nesting fungus growers	C
<i>Trachymyrmex sp 07</i>	Fungus growers	Leaf cutters	Litter nesting fungus growers	C
<i>Trachymyrmex sp 08</i>	Fungus growers	Leaf cutters	Litter nesting fungus growers	C
<i>Trachymyrmex sp 09</i>	Fungus growers	Leaf cutters	Litter nesting fungus growers	
<i>Trachymyrmex sp 11</i>	Fungus growers	Leaf cutters	Litter nesting fungus growers	
<i>Tranopelta gilva</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	F
<i>Typhlomyrmex sp 01</i>	Predators	Ground dwelling specialist predators	Small sized hypogaeic generalist foragers	
<i>Wasmannia auropunctata</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	F
<i>Wasmannia iheringi</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	F
<i>Wasmannia rochai</i>	Omnivores	Generalist omnivores	Generalistics:generalized dolichoderinaes	
<i>Wasmannia scrobifera</i>	Omnivores	Ground dwelling omnivores	Generalistics:generalized dolichoderinaes	F

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## Apêndice 2.

Quantidade total de espécies/morfoespécies coletadas, táxon e quantidade de indivíduos medidos de cada espécie.

Táxon	Quantidade de indivíduos medidos
<i>Acanthognathusocellatus</i>	1
<i>Acanthognathusteledectus</i>	1
<i>Acanthostichusbentoni</i>	6
<i>Acromyrmexsp01</i>	2
<i>Acromyrmexsubterraneus</i>	1
<i>Anochetusdiegensis</i>	6
<i>Anochetusemarginatus</i>	1
<i>Anochetushorridus</i>	6
<i>Apterostigma pilosum</i>	3
<i>Apterostigma sp03</i>	1
<i>Apterostigma sp04</i>	1
<i>Apterostigmaurichii</i>	4
<i>Attacephalotes</i>	3
<i>Attasexdens</i>	6
<i>Blepharidattabrasiliensis</i>	6
<i>Brachymyrmexheeri</i>	5
<i>Brachymyrmexlongicornis</i>	4
<i>Brachymyrmexsp01</i>	5
<i>Brachymyrmexsp02</i>	3
<i>Brachymyrmexsp03</i>	1
<i>Carebaraescherichi</i>	1
<i>Carebaralignata</i>	1
<i>Carebaraurichi</i>	5
<i>Centromyrmexgigas</i>	1
<i>Centromyrmexsp01</i>	1
<i>Cyphomyrmexlaevigatus</i>	6
<i>Cyphomyrmexpeltatus</i>	6
<i>Cyphomyrmexrimosus</i>	6
<i>Cyphomyrmexsp02</i>	1
<i>Cyphomyrmexsp03</i>	1
<i>Cyphomyrmexsp04</i>	1
<i>Cyphomyrmexsp05</i>	3
<i>Cyphomyrmexsp06</i>	1
<i>Cyphomyrmexsp07</i>	1
<i>Discothyreadenticulata</i>	1
<i>Dorymyrmexbicolor</i>	3
<i>Dorymyrmexgoeldii</i>	4
<i>Dorymyrmexrichteri</i>	4
<i>Ecitonburchellii</i>	4

<i>Ecitondulcius</i>	2
<i>Ecitonrapax</i>	4
<i>Ectatommaabrunneum</i>	4
<i>Ectatommaedentatum</i>	6
<i>Ectatommalugens</i>	6
<i>Ectatommaruidum</i>	3
<i>Gigantiopsdestructor</i>	5
<i>Gnamptogenysacuminata</i>	4
<i>Gnamptogenyscurvoclypeata</i>	3
<i>Gnamptogenysestrigata</i>	2
<i>Gnamptogenyschaenschi</i>	3
<i>Gnamptogenyshorni</i>	6
<i>Gnamptogenysmoelleri</i>	4
<i>Gnamptogenysmordax</i>	1
<i>Gnamptogenysregularis</i>	4
<i>Gnamptogenysrelicta</i>	3
<i>Gnamptogenyssp01</i>	1
<i>Gnamptogenyssp02</i>	1
<i>Gnamptogenysslucata</i>	4
<i>Gnamptogenystortuolosa</i>	6
<i>Hylomyrmaimmanis</i>	4
<i>Hylomyrmasp01</i>	3
<i>Hypoponerasp01</i>	5
<i>Hypoponerasp02</i>	2
<i>Hypoponerasp03</i>	4
<i>Hypoponerasp04</i>	5
<i>Hypoponerasp05</i>	5
<i>Hypoponerasp06</i>	4
<i>Hypoponerasp07</i>	5
<i>Hypoponerasp08</i>	4
<i>Hypoponerasp09</i>	4
<i>Hypoponerasp10</i>	2
<i>Hypoponerasp11</i>	3
<i>Hypoponerasp14</i>	4
<i>Kalathomyrmexemry</i>	1
<i>Labiduscoecus</i>	6
<i>Labidusmars</i>	1
<i>Labiduspraedator</i>	6
<i>Labidusspininodis</i>	2
<i>Leptogenysfamelica</i>	2
<i>Leptogenysgaigei</i>	6
<i>Leptogenyspusilla</i>	2
<i>Leptogenyssp04</i>	1
<i>Leptogenyswheeleri</i>	5
<i>Mayaponeraconstricta</i>	6
<i>Megalomyrmexbalzani</i>	4

<i>Megalomyrmexcupatiara</i>	2
<i>Megalomyrmexdriftii</i>	4
<i>Megalomyrmexincisus</i>	2
<i>Megalomyrmexleoninus</i>	4
<i>Megalomyrmexsilvestrii</i>	3
<i>Megalomyrmexsp04</i>	1
<i>Monomoriumfloricola</i>	6
<i>Monomoriumpharaonis</i>	6
<i>Mycocepurussmithii</i>	4
<i>Mycocepurussp01</i>	3
<i>Myrmicocryptasp01</i>	4
<i>Myrmicocryptasp02</i>	3
<i>Myrmicocryptasp03</i>	2
<i>Myrmicocryptasp04</i>	1
<i>Neivamyrmexadnepos</i>	1
<i>Neivamyrmexangustinodis</i>	4
<i>Neivamyrmexgibbatus</i>	4
<i>Neivamyrmexiridenscens</i>	1
<i>Neivamyrmexorthonotus</i>	2
<i>Neivamyrmexpilosus</i>	2
<i>Neivamyrmexpunctaticeps</i>	6
<i>Neivamyrmexswainsonii</i>	3
<i>Neoponeraapicalis</i>	6
<i>Neoponeracommutata</i>	6
<i>Neoponeralaevigata</i>	1
<i>Neoponeraverenae</i>	4
<i>Nomamyrmexesenbeckii</i>	3
<i>Nomamyrmexhartigi</i>	2
<i>Nylanderiacaeciliae</i>	6
<i>Nylanderiaaguatemalensis</i>	6
<i>Nylanderiasp01</i>	5
<i>Nylanderiasp04</i>	4
<i>Ochetomyrmexneopolitus</i>	5
<i>Ochetomyrmexsemipolitus</i>	6
<i>Octostrumabalzani</i>	5
<i>Octostrumasp01</i>	1
<i>Odontomachusbauri</i>	4
<i>Odontomachusbrunneus</i>	1
<i>Odontomachuscaelatus</i>	6
<i>Odontomachushaematodus</i>	6
<i>Odontomachuslaticeps</i>	3
<i>Odontomachusmeinerti</i>	6
<i>Odontomachusopaciventris</i>	6
<i>Odontomachusscalptus</i>	5
<i>Oxyepoecusephippiatus</i>	2
<i>Oxyepoecussp01</i>	1

<i>Pachycondylacrassinoda</i>	6
<i>Pachycondylacurvinodis</i>	1
<i>Pachycondylaferruginea</i>	1
<i>Pachycondylaglobularia</i>	1
<i>Pachycondylaharpax</i>	5
<i>Pachycondylaimpressa</i>	1
<i>Pachycondylamarginata</i>	1
<i>Pachycondylastrata</i>	4
<i>Pheidolebiconstricta</i>	6
<i>Pheidolecataractae</i>	5
<i>Pheidoleembolopyx</i>	2
<i>Pheidoleexigua</i>	1
<i>Pheidoleflavens</i>	5
<i>Pheidolemeinerti</i>	1
<i>Pheidolenitella</i>	3
<i>Pheidolenova1</i>	1
<i>Pheidolenova14</i>	1
<i>Pheidolenova15</i>	2
<i>Pheidolenova18</i>	1
<i>Pheidolenova19</i>	1
<i>Pheidolenova22</i>	3
<i>Pheidolenova23</i>	1
<i>Pheidolenova27</i>	1
<i>Pheidolenova3</i>	2
<i>Pheidolenova8</i>	1
<i>Pheidoleradoszkowiskii</i>	5
<i>Pheidolesp01</i>	2
<i>Pheidolesp02</i>	4
<i>Pheidolesp04</i>	2
<i>Pheidolesp09</i>	4
<i>Pheidolesp10</i>	4
<i>Pheidolesp100</i>	3
<i>Pheidolesp105</i>	2
<i>Pheidolesp106</i>	3
<i>Pheidolesp11</i>	5
<i>Pheidolesp111</i>	2
<i>Pheidolesp12</i>	5
<i>Pheidolesp120</i>	1
<i>Pheidolesp13</i>	5
<i>Pheidolesp14</i>	6
<i>Pheidolesp15</i>	5
<i>Pheidolesp16</i>	4
<i>Pheidolesp17</i>	3
<i>Pheidolesp19</i>	4
<i>Pheidolesp20</i>	5
<i>Pheidolesp23</i>	5

<i>Pheidole</i> sp24	5
<i>Pheidole</i> sp25	2
<i>Pheidole</i> sp26	4
<i>Pheidole</i> sp27	6
<i>Pheidole</i> sp28	5
<i>Pheidole</i> sp29	3
<i>Pheidole</i> sp30	1
<i>Pheidole</i> sp31	4
<i>Pheidole</i> sp32	4
<i>Pheidole</i> sp34	2
<i>Pheidole</i> sp36	2
<i>Pheidole</i> sp37	3
<i>Pheidole</i> sp38	2
<i>Pheidole</i> sp41	2
<i>Pheidole</i> sp43	2
<i>Pheidole</i> sp44	3
<i>Pheidole</i> sp45	3
<i>Pheidole</i> sp46	3
<i>Pheidole</i> sp47	3
<i>Pheidole</i> sp48	2
<i>Pheidole</i> sp49	5
<i>Pheidole</i> sp51	5
<i>Pheidole</i> sp52	4
<i>Pheidole</i> sp53	3
<i>Pheidole</i> sp54	3
<i>Pheidole</i> sp55	5
<i>Pheidole</i> sp56	3
<i>Pheidole</i> sp57	4
<i>Pheidole</i> sp59	1
<i>Pheidole</i> sp60	5
<i>Pheidole</i> sp61	3
<i>Pheidole</i> sp62	3
<i>Pheidole</i> sp63	3
<i>Pheidole</i> sp64	3
<i>Pheidole</i> sp70	5
<i>Pheidole</i> sp71	4
<i>Pheidole</i> sp73	1
<i>Pheidole</i> sp75	5
<i>Pheidole</i> sp76	4
<i>Pheidole</i> sp78	4
<i>Pheidole</i> sp79	1
<i>Pheidole</i> sp87	5
<i>Pheidole</i> sp90	1
<i>Pheidole</i> sp91	3
<i>Pheidole</i> sp92	2
<i>Pheidole</i> sp95	3

<i>Pheidolesp96</i>	2
<i>Pheidolesp97</i>	2
<i>Pheidolesp98</i>	3
<i>Pheidoletortuolosa</i>	4
<i>Pheidolevorax</i>	4
<i>Pogonomyrmexnaegelii</i>	6
<i>Prionopeltamodesta</i>	4
<i>Prionopeltapunctulata</i>	6
<i>Rasoponearhuaca</i>	6
<i>Rogeriaalzatei</i>	5
<i>Rogeriicornuta</i>	5
<i>Rogeriaforeli</i>	1
<i>Rogerialeptonana</i>	1
<i>Rogeriasp01</i>	1
<i>Sericomyrmexsp01</i>	6
<i>Sericomyrmexsp05</i>	3
<i>Solenopsisbrevicornis</i>	4
<i>Solenopsiscastor</i>	4
<i>Solenopsisclytemnestra</i>	5
<i>Solenopsisgeminata</i>	5
<i>Solenopsissaevissima</i>	5
<i>Solenopsissp06</i>	4
<i>Solenopsissp09</i>	4
<i>Solenopsissp11</i>	3
<i>Solenopsissp17</i>	4
<i>Solenopsissp18</i>	1
<i>Strumigenysappretiata</i>	3
<i>Strumigenysbeebei</i>	5
<i>Strumigenyscosmostela</i>	2
<i>Strumigenysdenticulata</i>	6
<i>Strumigenyselongata</i>	4
<i>Strumigenysinfidelis</i>	4
<i>Strumigenysinuitata</i>	1
<i>Strumigenysperparva</i>	5
<i>Strumigenyssp01</i>	2
<i>Strumigenyssp02</i>	4
<i>Strumigenyssp08</i>	4
<i>Strumigenysstenotes</i>	3
<i>Strumigenystrinidadensis</i>	4
<i>Strumigenystrudifera</i>	6
<i>Strumigenysvilliersi</i>	3
<i>Strumigenyszeteki</i>	4
<i>Tapinomasp01</i>	1
<i>Trachymyrmexbugnioni</i>	3
<i>Trachymyrmexcornetzi</i>	6
<i>Trachymyrmexdiversus</i>	4

<i>Trachymyrmexfarinosus</i>	5
<i>Trachymyrmexisthmicus</i>	2
<i>Trachymyrmexmandibulares</i>	2
<i>Trachymyrmexopulentus</i>	5
<i>Trachymyrmexruthae</i>	2
<i>Trachymyrmexsp01</i>	5
<i>Trachymyrmexsp02</i>	1
<i>Trachymyrmexsp04</i>	4
<i>Trachymyrmexsp05</i>	5
<i>Trachymyrmexsp06</i>	6
<i>Trachymyrmexsp07</i>	6
<i>Trachymyrmexsp08</i>	4
<i>Tranopeltagilva</i>	1
<i>Wasmanniaauropunctata</i>	6
<i>Wasmanniaiheringi</i>	1
<i>Wasmanniarochai</i>	2
<i>Wasmanniascrobifera</i>	5
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	972
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### Apêndice 3.

Medidas das formigas ao longo de 1350 km do gradiente latitudinal na Amazônia, quinze traços morfológicos foram medidos. Da esquerda para diereita: Com. Ol.: Comprimento do olho, Lar.Ol.: Largura do olho, Dis. Ol.: Distancia entre os olhos, Dis. Ol. Ma.: Distância entre os olhos e a mandíbula, Lar. Car.: Largura da cabeça, Com. Es.: Comprimento do escapo, Com. We.: Comprimento de Weber, Com. Fe.: Comprimento do fêmur traseiro, Alt. Pec.: Altura do pecíolo; Lar. Pec.: Largura do Pecóolo, Com. Pec.: Comprimento do pecíolo, Com. Ma.: Comprimento da mandíbula, Lar. Ma.: Largura da mandíbula, Com. Cl.: Comprimento do clipeo, Com. Ca.: Comprimento da cabeça.

Taxon	Com. Ol.	Lar. Ol.	Dis. Ol.	Dis. Ol. Ma.	Lar. Ca.	Com. Es.	Com. We.	Com. Fe.	Alt. Pec.	Lar. Pec.	Com. Pec.	Com. Ma.	Lar. Ma.	Com. Cl.	Com. Ca.
<i>Acanthognathus ocellatus</i>	0.14	0.11	0.47	0.38	0.59	0.74	0.8	0.68	0.18	0.19	0.53	0.71	0.08	0.17	0.77
<i>Acanthognathus teledectus</i>	0.1	0.09	0.4	0.47	0.52	0.65	0.64	0.59	0.16	0.14	0.45	1.31	0.08	0.27	0.88
<i>Acanthostichus bentoni</i>	0.06	0.04	0.93	0.66	1.16	0.61	1.62	0.91	0.43	0.55	0.49	0.69	0.24	0.1	1.14
<i>Acanthostichus bentoni</i>	0.06	0.04	1	0.68	1.23	0.58	1.7	0.93	0.46	0.59	0.5	0.72	0.27	0.12	1.16
<i>Acanthostichus bentoni</i>	0.04	0.03	0.79	0.54	1.05	0.6	1.5	0.83	0.46	0.51	0.51	0.57	0.26	0.1	1.19
<i>Acanthostichus bentoni</i>	0.04	0.03	0.94	0.63	1.19	0.62	1.69	0.92	0.47	0.54	0.46	0.68	0.28	0.11	1.24
<i>Acanthostichus bentoni</i>	0.03	0.03	0.98	0.7	1.2	0.65	1.63	0.92	0.48	0.58	0.48	0.64	0.29	0.13	1.28
<i>Acanthostichus bentoni</i>	0.05	0.03	1	0.65	1.24	0.61	1.66	0.93	0.5	0.59	0.52	0.71	0.3	0.13	1.28
<i>Acromyrmex sp 01</i>	0.32	0.3	1.67	0.57	1.98	2.16	2.62	3.03	0.31	0.42	0.38	1.28	0.48	0.43	1.62
<i>Acromyrmex sp 01</i>	0.26	0.21	1.86	0.53	2.25	2.48	3.22	3.68	0.38	0.53	0.55	1.39	0.6	0.54	1.92
<i>Acromyrmex subterraneus</i>	0.4	0.32	2.2	0.6	2.54	2.37	3.4	3.82	0.47	0.54	0.51	1.57	0.58	0.52	1.93
<i>Anochetus diegensis</i>	0.08	0.06	0.55	0.35	0.68	0.61	0.9	0.62	0.19	0.17	0.14	0.42	0.1	0.12	0.7
<i>Anochetus diegensis</i>	0.1	0.07	0.6	0.37	0.77	0.71	1.09	0.72	0.24	0.17	0.19	0.5	0.12	0.1	0.75
<i>Anochetus diegensis</i>	0.1	0.07	0.62	0.38	0.82	0.71	1	0.78	0.21	0.18	0.17	0.49	0.13	0.14	0.8
<i>Anochetus diegensis</i>	0.12	0.09	0.6	0.36	0.82	0.73	1.09	0.77	0.21	0.19	0.17	0.49	0.13	0.15	0.8
<i>Anochetus diegensis</i>	0.1	0.08	0.6	0.38	0.81	0.68	1.04	0.72	0.25	0.18	0.18	0.47	0.12	0.13	0.82
<i>Anochetus diegensis</i>	0.16	0.12	0.79	0.48	1.02	1.04	1.5	1.09	0.35	0.26	0.27	0.76	0.17	0.17	1.04



<i>Anochetus emarginatus</i>	0.4	0.33	1.03	0.69	1.43	2.53	3.08	2.71	0.62	0.39	0.63	1.52	0.32	0.31	1.96
<i>Anochetus horridus</i>	0.2	0.17	0.59	0.4	0.83	1.4	1.79	1.41	0.34	0.23	0.34	1.14	0.12	0.22	1.08
<i>Anochetus horridus</i>	0.23	0.17	0.63	0.41	0.91	1.58	2.02	1.49	0.4	0.25	0.37	1.24	0.12	0.22	1.21
<i>Anochetus horridus</i>	0.27	0.19	0.66	0.43	0.93	1.53	1.8	1.55	0.44	0.29	0.4	1.25	0.13	0.22	1.22
<i>Anochetus horridus</i>	0.23	0.18	0.65	0.43	0.92	1.51	1.93	1.57	0.4	0.21	0.41	1.23	0.13	0.23	1.23
<i>Anochetus horridus</i>	0.23	0.18	0.67	0.43	0.94	1.6	1.89	1.58	0.4	0.23	0.4	1.24	0.13	0.27	1.25
<i>Anochetus horridus</i>	0.24	0.19	0.67	0.43	0.93	1.6	1.9	1.63	0.42	0.23	0.4	1.22	0.13	0.25	1.26
<i>Apterostigma pilosum</i>	0.12	0.11	0.57	0.37	0.66	0.79	1.33	1.24	0.19	0.16	0.28	0.46	0.13	0.15	0.79
<i>Apterostigma pilosum</i>	0.11	0.1	0.56	0.34	0.64	0.72	1.22	0.98	0.17	0.17	0.24	0.48	0.15	0.14	0.79
<i>Apterostigma pilosum</i>	0.12	0.11	0.56	0.32	0.65	0.73	1.19	1.13	0.2	0.16	0.27	0.43	0.14	0.14	0.84
<i>Apterostigma sp 03</i>	0.09	0.06	0.5	0.28	0.56	0.52	0.95	0.64	0.13	0.12	0.16	0.37	0.13	0.11	0.63
<i>Apterostigma sp 04</i>	0.11	0.1	0.56	0.38	0.64	0.71	1.21	1.13	0.18	0.18	0.27	0.37	0.1	0.09	0.79
<i>Apterostigma urichii</i>	0.25	0.21	0.75	0.63	0.83	1.72	2.34	2.77	0.23	0.23	0.57	0.7	0.2	0.23	1.15
<i>Apterostigma urichii</i>	0.23	0.19	0.78	0.56	0.89	1.61	2.28	2.64	0.26	0.26	0.51	0.7	0.22	0.23	1.16
<i>Apterostigma urichii</i>	0.22	0.2	0.74	0.56	0.9	1.65	2.36	2.84	0.24	0.26	0.58	0.71	0.22	0.23	1.19
<i>Apterostigma urichii</i>	0.24	0.19	0.8	0.63	0.86	1.7	2.34	2.93	0.23	0.23	0.56	0.73	0.21	0.25	1.33
<i>Atta cephalotes</i>	0.22	0.19	1.22	0.35	1.39	1.48	1.74	2.19	0.28	0.26	0.3	0.91	0.35	0.35	1.11
<i>Atta cephalotes</i>	0.28	0.23	1.29	0.33	1.55	1.71	1.82	2.49	0.32	0.26	0.32	0.99	0.33	0.38	1.28
<i>Atta cephalotes</i>	0.41	0.29	2.08	0.66	2.5	2.63	2.61	4.46	0.4	0.42	0.38	1.5	0.57	0.48	1.86
<i>Atta sexdens</i>	0.24	0.22	1.24	0.34	1.49	1.61	1.66	2.47	0.28	0.26	0.24	0.94	0.29	0.35	1.23
<i>Atta sexdens</i>	0.29	0.27	1.58	0.49	1.89	2.16	2.2	3.28	0.35	0.3	0.36	1.05	0.4	0.4	1.41
<i>Atta sexdens</i>	0.28	0.27	1.49	0.47	1.77	2.06	2.13	3.09	0.3	0.28	0.37	1.1	0.3	0.39	1.42
<i>Atta sexdens</i>	0.3	0.24	1.57	0.48	1.83	2.01	2.2	3.2	0.34	0.3	0.37	1.09	0.43	0.36	1.42
<i>Atta sexdens</i>	0.41	0.31	2.08	0.6	2.5	2.73	2.91	4.33	0.36	0.37	0.45	1.5	0.53	0.49	1.92
<i>Atta sexdens</i>	0.37	0.28	2.09	0.69	2.48	2.76	2.9	4.51	0.41	0.33	0.51	1.45	0.58	0.49	1.93
<i>Blepharidatta brasiliensis</i>	0.12	0.09	0.39	0.15	0.47	0.48	0.7	0.62	0.15	0.13	0.31	0.23	0.1	0.1	0.6
<i>Blepharidatta brasiliensis</i>	0.14	0.11	0.44	0.15	0.49	0.55	0.69	0.64	0.16	0.16	0.33	0.28	0.14	0.08	0.62
<i>Blepharidatta brasiliensis</i>	0.14	0.1	0.39	0.14	0.47	0.5	0.66	0.65	0.16	0.15	0.35	0.26	0.14	0.09	0.62

<i>Blepharidatta brasiliensis</i>	0.16	0.11	0.39	0.14	0.47	0.46	0.71	0.63	0.16	0.17	0.32	0.26	0.11	0.11	0.64
<i>Blepharidatta brasiliensis</i>	0.13	0.09	0.4	0.12	0.47	0.52	0.71	0.66	0.16	0.15	0.33	0.27	0.08	0.13	0.65
<i>Blepharidatta brasiliensis</i>	0.16	0.1	0.41	0.14	0.48	0.52	0.72	0.62	0.17	0.17	0.34	0.2	0.11	0.14	0.65
<i>Brachymyrmex heeri</i>	0.06	0.04	0.24	0.08	0.27	0.31	0.26	0.27	0.06	0.06	0.05	0.15	0.03	0.11	0.31
<i>Brachymyrmex heeri</i>	0.07	0.06	0.28	0.08	0.31	0.34	0.3	0.31	0.07	0.07	0.07	0.15	0.03	0.11	0.33
<i>Brachymyrmex heeri</i>	0.08	0.07	0.26	0.07	0.31	0.36	0.33	0.32	0.07	0.07	0.07	0.15	0.04	0.1	0.39
<i>Brachymyrmex heeri</i>	0.08	0.05	0.23	0.09	0.27	0.34	0.28	0.34	0.06	0.07	0.07	0.17	0.04	0.1	0.41
<i>Brachymyrmex heeri</i>	0.17	0.13	0.45	0.2	0.56	0.67	0.75	0.73	0.26	0.13	0.14	0.31	0.07	0.18	0.62
<i>Brachymyrmex longicornis</i>	0.08	0.05	0.21	0.08	0.29	0.31	0.32	0.32	0.06	0.06	0.05	0.15	0.03	0.09	0.32
<i>Brachymyrmex longicornis</i>	0.08	0.05	0.2	0.08	0.28	0.32	0.34	0.31	0.06	0.06	0.05	0.14	0.03	0.07	0.33
<i>Brachymyrmex longicornis</i>	0.08	0.05	0.21	0.1	0.29	0.29	0.33	0.3	0.06	0.06	0.04	0.15	0.03	0.06	0.34
<i>Brachymyrmex longicornis</i>	0.12	0.09	0.43	0.16	0.52	0.6	0.62	0.66	0.1	0.13	0.07	0.38	0.09	0.14	0.55
<i>Brachymyrmex sp 01</i>	0.07	0.05	0.19	0.07	0.27	0.31	0.3	0.31	0.06	0.05	0.07	0.13	0.03	0.08	0.33
<i>Brachymyrmex sp 01</i>	0.08	0.06	0.19	0.08	0.28	0.32	0.29	0.3	0.06	0.06	0.08	0.12	0.03	0.09	0.33
<i>Brachymyrmex sp 01</i>	0.08	0.06	0.2	0.09	0.27	0.32	0.32	0.36	NA	NA	NA	0.13	0.04	0.1	0.35
<i>Brachymyrmex sp 01</i>	0.08	0.05	0.21	0.09	0.29	0.33	0.32	0.3	0.06	0.05	0.05	0.11	0.03	0.09	0.36
<i>Brachymyrmex sp 01</i>	0.09	0.08	0.25	0.11	0.32	0.4	0.39	0.42	NA	NA	NA	0.2	0.05	0.12	0.41
<i>Brachymyrmex sp 02</i>	0.07	0.04	0.21	0.05	0.27	0.22	0.26	0.18	NA	NA	NA	0.11	0.03	0.07	0.29
<i>Brachymyrmex sp 02</i>	0.09	0.07	0.26	0.09	0.35	0.38	0.39	0.32	NA	0.07	NA	0.19	0.05	0.11	0.44
<i>Brachymyrmex sp 02</i>	0.06	0.04	0.4	0.19	0.43	0.57	0.5	0.55	0.13	0.08	0.08	0.25	0.05	0.15	0.5
<i>Brachymyrmex sp 03</i>	0.12	0.08	0.4	0.17	0.49	0.6	0.56	0.57	0.11	0.11	0.07	0.32	0.08	0.17	0.52
<i>Carebara escherichi b</i>	0.01	0.01	0.26	0.08	0.28	0.16	0.29	0.16	0.1	0.09	0.07	0.13	0.04	0.08	0.32
<i>Carebara escherichi b</i>	0.01	0.01	0.26	0.09	0.28	0.16	0.3	0.17	0.11	0.08	0.06	0.13	0.04	0.08	0.32
<i>Carebara escherichi b</i>	0.02	0.01	0.27	0.09	0.29	0.18	0.31	0.16	0.11	0.1	0.11	0.13	0.04	0.07	0.34
<i>Carebara escherichi</i>	0.02	0.01	0.42	0.19	0.44	0.29	0.52	0.29	0.15	0.16	0.13	0.24	0.05	0.11	0.48
<i>Carebara lignata</i>	0.01	0.01	0.21	0.13	0.23	0.17	0.25	0.14	0.06	0.05	0.06	0.11	0.04	0.08	0.28
<i>Carebara urichi</i>	0.01	0.01	0.34	0.11	0.37	0.25	0.42	0.29	0.13	0.08	0.14	0.22	0.06	0.09	0.38
<i>Carebara urichi</i>	0.01	0.01	0.36	0.12	0.39	0.25	0.44	0.31	0.12	0.08	0.14	0.24	0.06	0.09	0.38

<i>Carebara urichi</i>	0.01	0.01	0.37	0.12	0.4	0.28	0.45	0.3	0.11	0.07	0.14	0.24	0.06	0.09	0.39
<i>Carebara urichi</i>	0.01	0.01	0.38	0.13	0.41	0.25	0.46	0.3	0.13	0.07	0.14	0.24	0.06	0.09	0.42
<i>Carebara urichi</i>	0.01	0.01	0.4	0.13	0.42	0.28	0.49	0.33	0.14	0.08	0.15	0.25	0.07	0.09	0.42
<i>Centromyrmex gigas</i>	NA	NA	NA	NA	2.02	1.27	3.2	1.51	0.78	0.66	0.72	1.29	0.45	0.35	1.7
<i>Centromyrmex sp 01</i>	NA	NA	NA	NA	0.41	0.28	0.46	0.28	0.14	0.15	0.1	0.23	0.06	0.07	0.47
<i>Cryptomyrmex longinodus</i>	0.05	0.04	0.42	0.16	0.47	0.33	0.55	0.37	0.17	0.14	0.24	0.24	0.06	0.06	0.53
<i>Cyphomyrmex laevigatus</i>	0.15	0.12	0.48	0.21	0.63	0.51	0.93	0.78	0.12	0.28	0.12	0.33	0.12	0.25	0.61
<i>Cyphomyrmex laevigatus</i>	0.17	0.14	0.48	0.22	0.66	0.5	1.02	0.81	0.14	0.31	0.07	0.39	0.12	0.2	0.62
<i>Cyphomyrmex laevigatus</i>	0.19	0.14	0.48	0.21	0.68	0.59	1.03	0.86	0.15	0.31	0.12	0.4	0.14	0.23	0.66
<i>Cyphomyrmex laevigatus</i>	0.21	0.16	0.46	0.21	0.67	0.61	1	0.84	0.17	0.29	0.11	0.41	0.12	0.19	0.68
<i>Cyphomyrmex laevigatus</i>	0.21	0.15	0.48	0.2	0.66	0.6	0.97	0.71	0.14	0.32	0.1	0.37	0.12	0.22	0.69
<i>Cyphomyrmex laevigatus</i>	0.18	0.14	0.49	0.23	0.72	0.62	1.09	0.93	0.18	0.31	0.12	0.37	0.14	0.23	0.72
<i>Cyphomyrmex peltatus</i>	0.13	0.1	0.41	0.13	0.54	0.44	0.69	0.61	0.13	0.21	0.1	0.26	0.1	0.1	0.44
<i>Cyphomyrmex peltatus</i>	0.1	0.08	0.39	0.12	0.5	0.42	0.68	0.55	0.11	0.21	0.1	0.29	0.07	0.13	0.47
<i>Cyphomyrmex peltatus</i>	0.12	0.1	0.41	0.14	0.54	0.44	0.7	0.61	0.12	0.22	0.09	0.24	0.1	0.1	0.48
<i>Cyphomyrmex peltatus</i>	0.12	0.1	0.41	0.15	0.52	0.44	0.66	0.57	0.13	0.24	0.08	0.26	0.12	0.11	0.5
<i>Cyphomyrmex peltatus</i>	0.14	0.09	0.42	0.14	0.55	0.42	0.74	0.64	0.14	0.23	0.08	0.26	0.11	0.13	0.51
<i>Cyphomyrmex peltatus</i>	0.16	0.12	0.43	0.13	0.55	0.49	0.79	0.71	0.13	0.22	0.11	0.29	0.09	0.12	0.53
<i>Cyphomyrmex rimosus</i>	0.11	0.09	0.44	0.16	0.56	0.49	0.76	0.71	0.14	0.21	0.11	0.3	0.12	0.12	0.48
<i>Cyphomyrmex rimosus</i>	0.14	0.12	0.42	0.15	0.56	0.49	0.79	0.73	0.13	0.23	0.09	0.3	0.12	0.13	0.49
<i>Cyphomyrmex rimosus</i>	0.11	0.1	0.41	0.15	0.53	0.49	0.77	0.63	0.14	0.23	0.08	0.28	0.08	0.11	0.5
<i>Cyphomyrmex rimosus</i>	0.12	0.1	0.43	0.15	0.53	0.47	0.75	0.64	0.14	0.2	0.09	0.32	0.11	0.13	0.51
<i>Cyphomyrmex rimosus</i>	0.14	0.11	0.42	0.14	0.54	0.5	0.74	0.68	0.12	0.2	0.08	0.31	0.12	0.11	0.51
<i>Cyphomyrmex rimosus</i>	0.12	0.1	0.41	0.17	0.52	0.43	0.74	0.63	0.13	0.2	0.11	0.27	0.08	0.11	0.52
<i>Cyphomyrmex sp 02</i>	0.11	0.09	0.44	0.11	0.5	0.35	0.66	0.49	0.11	0.15	0.14	0.33	0.09	0.1	0.49
<i>Cyphomyrmex sp 03</i>	0.08	0.07	0.37	0.14	0.45	0.31	0.62	0.44	0.13	0.11	0.1	0.23	0.1	0.09	0.41
<i>Cyphomyrmex sp 04</i>	0.11	0.08	0.39	0.14	0.49	0.35	0.64	0.52	0.12	0.18	0.08	0.27	0.1	0.1	0.41
<i>Cyphomyrmex sp 05</i>	0.1	0.08	0.4	0.17	0.53	0.43	0.66	0.55	0.13	0.19	0.11	0.25	0.1	0.12	0.43

<i>Cyphomyrmex sp 05</i>	0.11	0.1	0.4	0.14	0.53	0.41	0.67	0.54	0.12	0.18	0.08	0.28	0.1	0.11	0.43
<i>Cyphomyrmex sp 05</i>	0.13	0.1	0.42	0.19	0.55	0.5	0.77	0.69	0.12	0.21	0.09	0.29	0.1	0.12	0.49
<i>Cyphomyrmex sp 06</i>	NA	NA	NA	NA	NA	NA	0.67	0.55	0.13	0.2	0.11	NA	NA	NA	NA
<i>Cyphomyrmex sp 07</i>	0.13	0.11	0.45	0.16	0.59	0.5	0.74	0.68	0.14	0.22	0.1	0.32	0.11	0.13	0.47
<i>Discothyrea denticulata</i>	NA	NA	NA	NA	0.36	0.23	0.4	0.24	0.13	0.15	0.06	0.18	0.03	0.07	0.4
<i>Discothyrea neotropica</i>	0.02	0.02	0.31	0.1	0.32	0.18	0.36	0.2	0.12	0.14	0.08	0.15	0.03	0.06	0.35
<i>Discothyrea sexarticulata</i>	0.02	0.02	0.28	0.07	0.3	0.16	0.34	0.18	0.12	0.12	0.07	0.13	0.04	0.05	0.34
<i>Discothyrea sexarticulata</i>	0.02	0.02	0.3	0.1	0.32	0.17	0.38	0.2	0.12	0.14	0.07	0.1	0.04	0.05	0.37
<i>Dorymyrmex bicolor</i>	0.19	0.15	0.3	0.18	0.58	0.75	0.88	0.95	0.13	0.15	0.06	0.27	0.06	0.1	0.69
<i>Dorymyrmex bicolor</i>	0.19	0.14	0.31	0.19	0.6	0.73	0.84	0.9	0.12	0.13	0.13	0.32	0.11	0.13	0.7
<i>Dorymyrmex bicolor</i>	0.18	0.15	0.29	0.18	0.56	0.75	0.86	0.93	0.16	0.12	0.05	0.3	0.11	0.12	0.71
<i>Dorymyrmex goeldii</i>	0.17	0.13	0.28	0.17	0.52	0.64	0.8	0.83	0.1	0.1	0.16	0.3	0.12	0.13	0.56
<i>Dorymyrmex goeldii</i>	0.22	0.17	0.33	0.25	0.69	0.99	1.02	1.26	0.17	0.16	0.17	0.38	0.13	0.16	0.79
<i>Dorymyrmex goeldii</i>	0.22	0.15	0.38	0.23	0.72	1.03	1.13	1.34	0.16	0.22	0.12	0.43	0.18	0.2	0.83
<i>Dorymyrmex goeldii</i>	0.21	0.17	0.35	0.22	0.69	0.95	1.06	1.27	0.16	0.18	0.16	0.4	0.1	0.15	0.84
<i>Dorymyrmex richteri</i>	0.19	0.14	0.29	0.18	0.54	0.66	0.78	0.74	0.13	0.12	0.1	0.33	0.12	0.12	0.59
<i>Dorymyrmex richteri</i>	0.19	0.14	0.29	0.16	0.57	0.63	0.77	0.76	0.14	0.12	0.12	0.29	0.1	0.13	0.62
<i>Dorymyrmex richteri</i>	0.21	0.16	0.29	0.19	0.54	0.9	1.03	1.08	0.17	0.14	0.09	0.34	0.12	0.15	0.67
<i>Dorymyrmex richteri</i>	0.22	0.17	0.29	0.21	0.57	0.96	1.11	1.2	0.19	0.15	0.14	0.34	0.11	0.15	0.72
<i>Eciton burchellii</i>	0.13	0.11	1.01	0.84	1.38	1.57	2.57	2.78	0.45	0.37	0.51	1.11	0.45	0.22	1.61
<i>Eciton burchellii</i>	0.23	0.23	1.03	0.86	1.58	1.81	2.67	2.81	0.46	0.37	0.67	1	0.47	0.22	1.76
<i>Eciton burchellii</i>	0.18	0.17	1.21	0.97	1.61	1.89	2.91	3.5	0.49	0.49	0.53	1.32	0.53	0.27	1.93
<i>Eciton burchellii</i>	0.19	0.19	1.4	1.1	1.87	2.24	3.3	4.11	0.51	0.56	0.72	1.5	0.64	0.27	2.16
<i>Eciton dulcius</i>	0.2	0.17	0.81	0.69	1.11	1.48	2.32	2.47	0.41	0.29	0.58	0.84	0.44	0.25	1.23
<i>Eciton dulcius</i>	0.15	0.15	0.75	0.64	1.05	1.29	2.04	2.09	0.3	0.32	0.52	0.69	0.31	0.23	1.24
<i>Eciton rapax</i>	0.13	0.11	0.82	0.68	1.04	1.06	1.87	1.88	0.38	0.31	0.48	0.73	0.34	0.22	1.16
<i>Eciton rapax</i>	0.2	0.18	0.96	0.95	1.43	1.69	2.73	2.91	0.49	0.39	0.67	1.01	0.45	0.28	1.46
<i>Eciton rapax</i>	0.22	0.2	1.09	1.04	1.6	2.06	2.95	3.61	0.55	0.43	0.78	1.25	0.58	0.34	1.77

<i>Eciton rapax</i>	0.13	0.1	1.17	0.95	1.54	1.76	2.92	3.13	0.51	0.36	0.58	1.07	0.48	0.25	1.82	
<i>Ectatomma brunneum</i>	0.5	0.39	1.74	0.89	1.86	2.06	3.45	2.8	1.17	0.92	0.69	1.41	0.69	0.54	1.95	
<i>Ectatomma brunneum</i>	0.7	0.39	1.62	0.89	1.87	1.87	3.33	2.65	1.02	0.86	0.71	1.42	0.52	0.44	2.08	
<i>Ectatomma brunneum</i>	0.48	0.39	1.61	0.85	1.88	1.9	3.33	2.56	1.05	0.89	0.69	1.4	0.48	0.4	2.09	
<i>Ectatomma brunneum</i>	0.5	0.45	1.74	0.86	1.92	2.03	3.54	2.7	1.35	0.89	0.64	1.43	0.57	0.55	2.33	
<i>Ectatomma edentatum</i>	0.41	0.33	1.18	0.66	1.4	1.65	2.8	2.31	0.86	0.68	0.58	1.23	0.54	0.33	1.39	
<i>Ectatomma edentatum</i>	0.34	0.32	1.18	0.74	1.37	1.69	2.89	2.36	0.83	0.67	0.57	1.17	0.53	0.47	1.49	
<i>Ectatomma edentatum</i>	0.34	0.28	1.14	0.73	1.4	1.6	2.77	2.22	0.84	0.72	0.62	1.1	0.46	0.4	1.68	
<i>Ectatomma edentatum</i>	0.35	0.3	1.13	0.7	1.37	1.69	2.64	2.28	0.88	0.67	NA	1.06	0.41	0.35	1.7	
<i>Ectatomma edentatum</i>	0.38	0.31	1.16	0.73	1.38	1.83	2.94	2.59	1.07	0.7	0.56	1.18	0.43	0.46	1.77	
<i>Ectatomma edentatum</i>	0.35	0.28	1.14	0.77	1.33	1.81	2.87	2.46	0.89	0.67	0.61	1.05	0.54	0.44	1.81	
<i>Ectatomma edentatum</i>	0.43	0.32	1.28	0.8	1.51	1.84	3.1	2.56	0.96	0.73	0.55	1.2	0.54	0.5	1.89	
<i>Ectatomma lugens</i>	0.59	0.48	1.4	0.81	1.61	1.65	3.81	2.92	1.13	0.79	0.8	1.46	0.51	0.39	1.64	
<i>Ectatomma lugens</i>	0.61	0.5	1.38		1	1.67	1.87	4.04	3.18	1.17	0.84	0.77	1.46	0.66	0.47	1.92
<i>Ectatomma lugens</i>	0.65	0.51	1.49	0.74	1.65	2.18	4.11	3.31	1.04	0.8	0.78	1.7	0.71	0.43	1.95	
<i>Ectatomma lugens</i>	0.53	0.51	1.38	0.88	1.56	2.12	3.95	3.24	1.02	0.71	0.81	1.44	0.67	0.45	2.19	
<i>Ectatomma lugens</i>	0.58	0.45	1.35	0.97	1.68	2.27	4.07	3.4	1.11	0.86	0.8	1.44	0.65	0.46	2.29	
<i>Ectatomma lugens</i>	0.63	0.57	1.36	0.9	1.7	2.06	4.03	3.26	1.15	0.81	0.83	1.47	0.65	0.37	2.36	
<i>Ectatomma ruidum</i>	0.45	0.38	1.16	0.66	1.38	1.41	2.54	2.18	0.83	0.6	0.54	1.12	0.45	0.39	1.59	
<i>Ectatomma ruidum</i>	0.48	0.36	1.19	0.7	1.41	1.56	2.64	2.3	0.88	0.62	0.55	1.16	0.49	0.41	1.6	
<i>Ectatomma ruidum</i>	0.49	0.38	1.22	0.78	1.52	1.64	2.94	2.43	0.92	0.71	0.47	1.2	0.5	0.49	1.79	
<i>Gigantiops destructor</i>	1.51	0.93	1.01	0.17	2.35	2.37	3.27	3.62	0.78	0.5	0.62	1.09	0.38	0.58	2.13	
<i>Gigantiops destructor</i>	1.7	0.97	1.03	0.22	2.39	2.41	3.47	4.07	0.78	0.52	0.7	1.22	0.46	0.8	2.24	
<i>Gigantiops destructor</i>	1.79	0.96	1.21	0.16	2.6	2.71	3.81	4.8	0.82	0.56	0.71	1.43	0.62		1	2.36
<i>Gigantiops destructor</i>	1.63	1.01	1.04	0.18	2.46	2.52	3.54		4	0.8	0.53	0.73	1.23	0.57	0.81	2.39
<i>Gigantiops destructor</i>	1.79	1.04	1.15	0.22	2.62	2.77	3.64	4.84	0.82	0.58	0.74	1.39	0.52	1.04	2.59	
<i>Gnamptogenys acuminata</i>	0.3	0.2	0.94	0.33	1.04	0.92	1.66	1.26	0.51	0.51	0.64	0.59	0.17	0.17	0.93	
<i>Gnamptogenys acuminata</i>	0.3	0.21	0.92	0.33	0.99	0.96	1.66	1.32	0.49	0.52	0.65	0.68	0.22	0.22	1.04	

<i>Gnamptogenys acuminata</i>	0.32	0.25	1.03	0.37	1.09	0.99	1.84	1.35	0.52	0.56	0.68	0.76	0.25	0.25	1.1
<i>Gnamptogenys acuminata</i>	0.3	0.22	0.92	0.28	0.98	0.96	1.64	1.27	0.5	0.5	0.6	0.68	0.25	0.28	1.1
<i>Gnamptogenys curvoclypeata</i>	0.15	0.11	0.63	0.33	0.7	0.53	1.09	0.73	0.33	0.46	0.41	0.48	0.14	0.18	0.78
<i>Gnamptogenys curvoclypeata</i>	0.23	0.16	0.8	0.25	0.85	0.73	1.32	0.97	0.35	0.47	0.46	0.59	0.14	0.18	0.87
<i>Gnamptogenys curvoclypeata</i>	0.24	0.16	0.84	0.29	0.91	0.79	1.34	1.03	0.38	0.48	0.46	0.61	0.16	0.2	0.94
<i>Gnamptogenys estrigata</i>	0.16	0.13	0.65	0.36	0.77	0.78	1.26	1.1	0.4	0.38	0.38	0.54	0.2	0.24	0.84
<i>Gnamptogenys estrigata</i>	0.19	0.15	0.68	0.37	0.82	0.88	1.36	1.14	0.43	0.43	0.38	0.56	0.21	0.3	0.84
<i>Gnamptogenys haenschi</i>	0.18	0.13	1.58	0.78	1.67	1.27	2.38	1.53	0.81	0.9	0.64	1.24	0.34	0.48	1.57
<i>Gnamptogenys haenschi</i>	0.21	0.18	1.69	0.76	1.8	1.29	2.75	1.95	0.84	0.98	0.67	1.41	0.42	0.51	1.67
<i>Gnamptogenys haenschi</i>	0.25	0.17	1.72	0.76	1.88	1.42	2.89	1.92	0.92	1.1	0.63	1.34	0.38	0.52	1.73
<i>Gnamptogenys horni</i>	0.14	0.1	0.51	0.26	0.56	0.4	0.91	0.56	0.32	0.36	0.28	0.4	0.12	0.13	0.55
<i>Gnamptogenys horni</i>	0.13	0.12	0.53	0.29	0.61	0.43	0.91	0.58	0.26	0.37	0.34	0.4	0.11	0.09	0.66
<i>Gnamptogenys horni</i>	0.16	0.13	0.57	0.26	0.66	0.44	1.16	0.65	0.38	0.45	0.3	0.46	0.11	0.17	0.68
<i>Gnamptogenys horni</i>	0.16	0.11	0.55	0.27	0.62	0.43	0.87	0.53	0.31	0.38	0.33	0.37	0.1	0.15	0.72
<i>Gnamptogenys horni</i>	0.16	0.14	0.56	0.29	0.66	0.47	1.06	0.59	0.38	0.43	0.3	0.4	0.11	0.07	0.74
<i>Gnamptogenys horni</i>	0.19	0.14	0.57	0.28	0.7	0.44	1.11	0.65	0.49	0.45	0.38	0.4	0.07	0.09	0.81
<i>Gnamptogenys minuta</i>	0.09	0.06	0.77	0.32	0.8	0.56	1.18	0.73	0.36	0.42	0.38	0.57	0.21	0.11	0.77
<i>Gnamptogenys moelleri</i>	0.23	0.18	0.88	0.5	1.05	1.26	1.86	1.72	0.54	0.63	0.53	0.71	0.23	0.3	1.05
<i>Gnamptogenys moelleri</i>	0.21	0.15	0.88	0.54	0.94	1.28	1.63	1.57	0.54	0.58	0.49	0.58	0.26	0.12	1.13
<i>Gnamptogenys moelleri</i>	0.2	0.15	0.86	0.51	0.95	1.22	1.67	1.62	0.5	0.56	0.47	0.56	0.15	0.21	1.16
<i>Gnamptogenys moelleri</i>	0.21	0.17	0.91	0.54	0.97	1.31	1.71	1.67	0.55	0.62	0.54	0.67	0.24	0.18	1.2
<i>Gnamptogenys mordax</i>	0.29	0.28	1.12	0.48	1.24	0.89	1.93	1.05	0.58	0.68	0.66	1.02	0.29	0.23	1.4
<i>Gnamptogenys regularis</i>	0.18	0.14	0.59	0.25	0.68	0.5	1.09	0.74	0.35	0.45	0.36	0.43	0.16	0.19	0.75
<i>Gnamptogenys regularis</i>	0.19	0.14	0.6	0.28	0.69	0.52	1.09	0.73	0.35	0.44	0.36	0.47	0.17	0.18	0.75
<i>Gnamptogenys regularis</i>	0.19	0.14	0.6	0.24	0.7	0.54	1.1	0.8	0.42	0.5	0.38	0.49	0.19	0.15	0.75
<i>Gnamptogenys regularis</i>	0.18	0.15	0.61	0.28	0.7	0.51	1.11	0.79	0.35	0.48	0.36	0.49	0.17	0.2	0.76
<i>Gnamptogenys relictata</i>	0.09	0.07	0.44	0.24	0.5	0.39	0.78	0.49	0.28	0.27	0.18	0.3	0.1	0.07	0.57
<i>Gnamptogenys relictata</i>	0.05	0.04	0.46	0.21	0.52	0.45	0.78	0.49	0.25	0.3	0.18	0.29	0.1	0.05	0.57

<i>Gnamptogenys relict</i>	0.08	0.06	0.46	0.23	0.51	0.44	0.81	0.48	0.26	0.3	0.19	0.33	0.13	0.04	0.63
<i>Gnamptogenys sp 01</i>	0.26	0.2	1.03	0.46	1.16	0.86	1.94	1.14	0.54	0.7	0.66	0.73	0.17	0.18	1.24
<i>Gnamptogenys sp 02</i>	0.23	0.17	0.76	0.4	0.91	0.69	1.49	0.93	0.34	0.58	0.51	0.61	0.16	0.2	0.96
<i>Gnamptogenys sp 08</i>	0.12	0.11	0.8	0.4	0.88	0.84	1.36	0.87	0.4	0.47	0.41	0.35	0.11	0.09	1.01
<i>Gnamptogenys striatula</i>	0.15	0.12	0.68	0.37	0.79	0.8	1.35	1.16	0.43	0.45	0.4	0.47	0.25	0.2	0.92
<i>Gnamptogenys sulcata</i>	0.39	0.29	1.13	0.37	1.26	1.12	2.02	1.81	0.66	0.62	0.71	0.84	0.17	0.27	121
<i>Gnamptogenys sulcata</i>	0.34	0.27	0.93	0.38	1.07	1.17	2.01	1.61	0.67	0.69	0.7	0.84	0.26	0.29	1.02
<i>Gnamptogenys sulcata</i>	0.29	0.23	1.21	0.4	1.26	1.05	1.96	1.53	0.56	0.69	0.68	0.9	0.21	0.3	1.26
<i>Gnamptogenys sulcata</i>	0.28	0.23	1.2	0.35	1.35	1.03	2.18	1.37	0.82	0.75	0.68	0.95	0.21	0.33	1.35
<i>Gnamptogenys tortuolosa</i>	0.34	0.3	1.43	0.61	1.55	1.45	2.5	1.99	0.72	0.86	0.88	0.79	0.24	0.31	1.48
<i>Gnamptogenys tortuolosa</i>	0.38	0.28	1.47	0.6	1.55	1.15	2.39	1.85	0.64	0.86	0.89	1.07	0.3	0.4	1.62
<i>Gnamptogenys tortuolosa</i>	0.38	0.26	1.45	0.69	1.63	1.31	2.69	1.89	0.94	0.84	0.77	0.96	0.28	0.43	1.66
<i>Gnamptogenys tortuolosa</i>	0.44	0.34	1.47	0.64	1.62	1.51	2.61	1.68	0.61	0.86	0.83	1.03	0.3	0.36	1.69
<i>Gnamptogenys tortuolosa</i>	0.36	0.29	1.53	0.67	1.66	1.55	2.62	2.11	0.63	0.91	0.84	1	0.3	0.33	1.7
<i>Gnamptogenys tortuolosa</i>	0.37	0.31	1.5	0.69	1.62	1.48	2.63	1.95	0.58	0.86	0.8	1.09	0.37	0.35	1.73
<i>Hylomyrma immanis</i>	0.24	0.14	0.94	0.14	1.03	0.76	1.44	1.12	0.23	0.24	0.58	0.72	0.17	0.22	1
<i>Hylomyrma immanis</i>	0.24	0.15	0.96	0.17	1.03	0.71	1.36	1.13	0.22	0.24	0.58	0.7	0.22	0.23	0.95
<i>Hylomyrma immanis</i>	0.25	0.13	0.93	0.17	1.02	0.75	1.46	1.05	0.23	0.25	0.63	0.67	0.21	0.24	0.99
<i>Hylomyrma immanis</i>	0.23	0.13	1.03	0.2	1.12	0.81	1.28	1.17	0.23	0.25	0.45	0.72	0.2	0.26	1.05
<i>Hylomyrma sp 01</i>	0.16	0.1	0.62	0.15	0.71	0.51	0.99	0.68	0.21	0.19	0.41	0.43	0.13	0.19	0.71
<i>Hylomyrma sp 01</i>	0.25	0.14	0.97	0.14	1.06	0.76	1.43	1.05	0.23	0.25	0.55	0.62	0.19	0.17	0.94
<i>Hylomyrma sp 01</i>	0.22	0.15	1.01	0.14	1.09	0.72	1.44	1.16	0.24	0.25	0.59	0.75	0.22	0.22	1.01
<i>Hylomyrma sp 02</i>	0.18	0.11	0.63	0.09	0.71	0.53	1.06	0.75	0.2	0.2	0.39	0.46	0.12	0.16	0.71
<i>Hylomyrma sp 02</i>	0.19	0.12	0.63	0.09	0.71	0.46	0.95	0.67	0.2	0.18	0.35	0.46	0.1	0.12	0.73
<i>Hylomyrma sp 02</i>	0.24	0.16	0.64	0.1	0.75	0.7	1.09	0.92	0.2	0.19	0.45	0.52	0.15	0.2	0.76
<i>Hypoponera sp 01</i>	0.03	0.02	0.26	0.04	0.29	0.27	0.52	0.28	0.22	0.18	0.11	0.19	0.06	0.05	0.42
<i>Hypoponera sp 01</i>	0.03	0.02	0.28	0.06	0.31	0.27	0.53	0.32	0.22	0.18	0.09	0.21	0.08	0.09	0.43
<i>Hypoponera sp 01</i>	0.03	0.03	0.35	0.09	0.39	0.3	0.63	0.33	0.27	0.19	0.11	0.24	0.08	0.07	0.49

<i>Hypoponera sp 01</i>	0.03	0.02	0.34	0.11	0.37	0.26	0.61	0.36	0.27	0.18	0.11	0.19	0.08	0.08	0.49
<i>Hypoponera sp 01</i>	0.03	0.03	0.4	0.11	0.47	0.41	0.74	0.42	0.28	0.26	0.16	0.3	0.11	0.1	0.59
<i>Hypoponera sp 02</i>	0.02	0.02	0.43	0.08	0.48	0.45	0.75	0.46	0.3	0.27	0.15	0.31	0.11	0.11	0.58
<i>Hypoponera sp 02</i>	0.05	0.04	0.46	0.11	0.51	0.53	0.8	0.62	0.35	0.27	0.17	0.33	0.11	0.11	0.6
<i>Hypoponera sp 03</i>	0.02	0.02	0.4	0.1	0.46	0.43	0.79	0.51	0.32	0.26	0.15	0.3	0.1	0.12	0.58
<i>Hypoponera sp 03</i>	0.02	0.02	0.43	0.08	0.48	0.45	0.79	0.49	0.33	0.26	0.15	0.3	0.11	0.12	0.58
<i>Hypoponera sp 03</i>	0.02	0.02	0.43	0.09	0.48	0.47	0.76	0.48	0.33	0.28	0.14	0.31	0.12	0.12	0.58
<i>Hypoponera sp 03</i>	0.02	0.02	0.4	0.09	0.45	0.43	0.73	0.52	0.32	0.25	0.14	0.31	0.11	0.12	0.59
<i>Hypoponera sp 04</i>	0.03	0.02	0.52	0.14	0.58	0.5	0.9	0.57	0.41	0.33	0.18	0.4	0.13	0.14	0.68
<i>Hypoponera sp 04</i>	0.02	0.03	0.52	0.12	0.56	0.46	0.92	0.54	0.38	0.33	0.2	0.35	0.15	0.11	0.69
<i>Hypoponera sp 04</i>	0.03	0.03	0.56	0.18	0.58	0.6	0.95	0.6	0.42	0.38	0.19	0.35	0.16	0.1	0.71
<i>Hypoponera sp 04</i>	0.05	0.05	0.65	0.16	0.73	0.66	1.19	0.77	0.54	0.39	0.24	0.46	0.16	0.23	0.8
<i>Hypoponera sp 04</i>	0.06	0.05	0.68	0.2	0.75	0.7	1.16	0.75	0.46	0.41	0.21	0.47	0.17	0.19	0.81
<i>Hypoponera sp 05</i>	0.02	0.02	0.54	0.15	0.58	0.6	0.96	0.59	0.41	0.35	0.18	0.35	0.15	0.13	0.65
<i>Hypoponera sp 05</i>	0.04	0.03	0.58	0.12	0.65	0.66	1.02	0.7	0.45	0.43	0.22	0.36	0.14	0.12	0.72
<i>Hypoponera sp 05</i>	0.05	0.05	0.63	0.16	0.72	0.68	1.08	0.77	0.41	0.4	0.23	0.45	0.17	0.16	0.81
<i>Hypoponera sp 05</i>	0.03	0.02	0.62	0.12	0.67	0.65	1.05	0.69	0.49	0.41	0.26	0.42	0.17	0.16	0.82
<i>Hypoponera sp 05</i>	0.04	0.04	0.66	0.15	0.69	0.68	1.12	0.74	0.5	0.42	0.23	0.41	0.17	0.19	0.82
<i>Hypoponera sp 06</i>	0.03	0.02	0.47	0.09	0.51	0.42	0.8	0.46	0.35	0.31	0.16	0.32	0.12	0.13	0.61
<i>Hypoponera sp 06</i>	0.02	0.01	0.55	0.16	0.6	0.66	1.04	0.64	0.45	0.39	0.21	0.38	0.16	0.15	0.72
<i>Hypoponera sp 06</i>	0.02	0.02	0.55	0.14	0.57	0.57	0.79	0.48	0.33	0.29	0.16	0.37	0.16	0.12	0.77
<i>Hypoponera sp 06</i>	0.04	0.03	0.68	0.14	0.79	0.76	1.24	0.85	0.57	0.47	0.26	0.48	0.2	0.12	0.89
<i>Hypoponera sp 07</i>	0.05	0.04	0.44	0.12	0.49	0.54	0.79	0.58	0.33	0.26	0.13	0.3	0.11	0.09	0.54
<i>Hypoponera sp 07</i>	0.03	0.02	0.42	0.09	0.48	0.47	0.78	0.48	0.28	0.29	0.16	0.31	0.1	0.1	0.6
<i>Hypoponera sp 07</i>	0.03	0.02	0.43	0.09	0.49	0.48	0.75	0.47	0.34	0.3	0.16	0.3	0.1	0.1	0.6
<i>Hypoponera sp 07</i>	0.03	0.03	0.49	0.14	0.53	0.45	0.86	0.46	0.37	0.29	0.17	0.32	0.11	0.12	0.64
<i>Hypoponera sp 07</i>	0.03	0.03	0.52	0.09	0.57	0.57	0.93	0.66	0.4	0.36	0.17	0.34	0.13	0.12	0.69
<i>Hypoponera sp 08</i>	0.03	0.03	0.43	0.05	0.47	0.46	0.78	0.47	0.32	0.27	0.16	0.32	0.1	0.12	0.59



<i>Hypoponera sp 08</i>	0.03	0.03	0.44	0.06	0.49	0.45	0.79	0.47	0.33	0.24	0.16	0.31	0.12	0.11	0.59
<i>Hypoponera sp 08</i>	0.03	0.03	0.44	0.08	0.48	0.46	0.82	0.53	0.35	0.26	0.15	0.31	0.12	0.12	0.6
<i>Hypoponera sp 08</i>	0.03	0.03	0.57	0.13	0.63	0.7	1.04	0.69	0.47	0.43	0.21	0.38	0.16	0.14	0.72
<i>Hypoponera sp 09</i>	0.02	0.02	0.28	0.03	0.31	0.3	0.53	0.29	0.22	0.18	0.11	0.21	0.07	0.08	0.4
<i>Hypoponera sp 09</i>	0.03	0.02	0.39	0.08	0.44	0.33	0.64	0.35	0.26	0.22	0.12	0.25	0.1	0.1	0.5
<i>Hypoponera sp 09</i>	0.02	0.02	0.39	0.07	0.43	0.32	0.6	0.36	0.26	0.21	0.11	0.24	0.1	0.09	0.51
<i>Hypoponera sp 09</i>	0.02	0.02	0.42	0.11	0.46	0.39	0.76	0.51	0.3	0.27	0.16	0.29	0.11	0.11	0.58
<i>Hypoponera sp 10</i>	0.02	0.02	0.43	0.12	0.46	0.44	0.79	0.47	0.38	0.33	0.16	0.29	0.12	0.11	0.58
<i>Hypoponera sp 10</i>	0.02	0.02	0.47	0.11	0.5	0.5	0.85	0.53	0.34	0.3	0.19	0.3	0.12	0.09	0.62
<i>Hypoponera sp 11</i>	0.02	0.01	0.42	0.09	0.45	0.4	0.7	0.39	0.28	0.29	0.14	0.25	0.1	0.09	0.51
<i>Hypoponera sp 11</i>	0.03	0.03	0.43	0.07	0.45	0.42	0.78	0.46	0.33	0.25	0.14	0.31	0.12	0.11	0.57
<i>Hypoponera sp 11</i>	0.03	0.03	0.41	0.1	0.46	0.4	0.75	0.52	0.32	0.26	0.14	0.28	0.1	0.09	0.6
<i>Hypoponera sp 12</i>	0.02	0.02	0.4	0.1	0.44	0.4	0.68	0.4	0.27	0.27	0.14	0.28	0.11	0.09	0.52
<i>Hypoponera sp 12</i>	0.04	0.04	0.56	0.14	0.63	0.6	1.03	0.68	0.4	0.35	0.18	0.39	0.17	0.13	0.74
<i>Hypoponera sp 12</i>	0.03	0.03	0.58	0.14	0.66	0.61	1.01	0.71	0.42	0.34	0.18	0.43	0.17	0.13	0.75
<i>Hypoponera sp 12</i>	0.05	0.04	0.65	0.17	0.76	0.69	1.17	0.74	0.47	0.4	0.17	0.47	0.18	0.14	0.83
<i>Hypoponera sp 13</i>	0.03	0.03	0.38	0.1	0.43	0.33	0.64	0.37	0.25	0.23	0.11	0.25	0.1	0.09	0.51
<i>Hypoponera sp 13</i>	0.03	0.02	0.38	0.09	0.42	0.39	0.68	0.36	0.28	0.26	0.12	0.24	0.11	0.1	0.51
<i>Hypoponera sp 13</i>	0.02	0.02	0.39	0.08	0.45	0.41	0.65	0.4	0.29	0.28	0.11	0.24	0.1	0.09	0.52
<i>Hypoponera sp 13</i>	0.04	0.04	0.58	0.14	0.67	0.66	0.99	0.7	0.44	0.43	0.2	0.41	0.17	0.12	0.74
<i>Hypoponera sp 14</i>	0.08	0.07	0.72	0.1	0.81	0.65	1.23	0.74	0.49	0.46	0.23	0.6	0.22	0.17	0.89
<i>Hypoponera sp 14</i>	0.06	0.06	0.76	0.09	0.85	0.66	1.27	0.72	0.49	0.45	0.23	0.59	0.22	0.16	0.92
<i>Hypoponera sp 14</i>	0.07	0.06	0.76	0.13	0.85	0.66	1.25	0.76	0.47	0.46	0.25	0.55	0.24	0.13	0.92
<i>Hypoponera sp 14</i>	0.07	0.07	0.85	0.1	0.95	0.77	1.42	0.86	0.55	0.53	0.29	0.65	0.2	0.17	1.02
<i>Kalathomyrmex emry</i>	0.14	0.11	0.5	0.11	0.57	0.51	0.75	0.62	0.18	0.13	0.15	0.42	0.12	0.1	0.56
<i>Labidus coecus</i>	0.04	0.03	0.7	0.47	0.77	0.83	1.32	1.45	0.23	0.16	0.28	0.57	0.21	0.14	
<i>Labidus coecus</i>	0.04	0.03	0.56	0.37	0.64	0.42	1.01	0.8	0.24	0.18	0.22	0.39	0.15	0.07	0.75
<i>Labidus coecus</i>	0.04	0.03	0.6	0.4	0.67	0.48	1.05	0.83	0.23	0.19	0.24	0.41	0.16	0.1	0.78

<i>Labidus coecus</i>	0.04	0.03	0.68	0.4	0.74	0.71	1.23	1	0.22	0.16	0.23	0.48	0.2	0.1	0.84
<i>Labidus coecus</i>	0.06	0.04	0.71	0.53	0.85	0.71	1.36	1.2	0.26	0.2	0.27	0.55	0.19	0.09	0.92
<i>Labidus coecus</i>	0.04	0.03	0.75	0.47	0.88	0.69	1.37	1.26	0.28	0.21	0.28	0.53	0.22	0.1	0.95
<i>Labidus mars</i>	0.11	0.08	0.6	0.36	0.77	0.59	1.27	1.15	0.28	0.23	0.32	0.48	0.19	0.14	0.86
<i>Labidus praedator</i>	0.04	0.04	0.6	0.35	0.64	0.57	1.09	1.08	0.24	0.16	0.21	0.45	0.18	0.08	0.78
<i>Labidus praedator</i>	0.03	0.02	0.59	0.42	0.65	0.63	1.09	1.1	0.25	0.18	0.24	0.49	0.15	0.12	0.82
<i>Labidus praedator</i>	0.07	0.06	0.68	0.49	0.82	0.91	1.37	1.17	0.25	0.2	0.34	0.63	0.23	0.2	0.95
<i>Labidus praedator</i>	0.05	0.04	0.7	0.47	0.81	0.89	1.3	1.52	0.27	0.18	0.28	0.62	0.25	0.19	0.96
<i>Labidus praedator</i>	0.04	0.04	0.79	0.55	0.87	0.97	1.54	1.64	0.25	0.18	0.31	0.66	0.29	0.15	1.05
<i>Labidus praedator</i>	0.07	0.06	0.85	0.62	1	1.09	1.71	1.81	0.29	0.21	0.34	0.74	0.33	0.12	1.17
<i>Labidus spininodis</i>	0.04	0.04	0.64	0.39	0.72	0.65	1.25	1.2	0.25	0.16	0.26	0.61	0.22	0.1	0.89
<i>Labidus spininodis</i>	0.05	0.05	0.8	0.59	0.99	0.87	1.58	1.62	0.31	0.2	0.31	0.79	0.33	0.14	1.12
<i>Lachynomymex amazonicus</i>	0.1	0.06	0.45	0.1	0.54	0.33	0.56	0.41	0.15	0.14	0.16	0.27	0.09	0.14	0.53
<i>Leptogenys famelica</i>	0.51	0.39	0.71	0.49	0.99	3.41	4.18	4.04	0.81	0.7	1.6	1.05	0.26	0.54	1.6
<i>Leptogenys famelica</i>	0.54	0.42	0.66	0.5	1.08	3.57	4.39	4.31	0.89	0.68	1.32	1.1	0.36	0.62	1.9
<i>Leptogenys gaigei</i>	0.29	0.18	0.57	0.3	0.8	1.37	2.09	1.57	0.58	0.37	0.65	0.54	0.24	0.22	1.17
<i>Leptogenys gaigei</i>	0.29	0.19	0.58	0.28	0.79	1.37	2.06	1.55	0.54	0.38	0.62	0.55	0.2	0.22	1.22
<i>Leptogenys gaigei</i>	0.3	0.21	0.58	0.29	0.83	1.43	2.18	1.6	0.59	0.38	0.67	0.57	0.24	0.19	1.23
<i>Leptogenys gaigei</i>	0.28	0.19	0.57	0.29	0.8	1.36	1.97	1.49	0.47	0.38	0.6	0.57	0.22	0.22	1.25
<i>Leptogenys gaigei</i>	0.32	0.19	0.58	0.3	0.85	1.38	2.2	1.54	0.59	0.4	0.7	0.56	0.21	0.32	1.29
<i>Leptogenys gaigei</i>	0.31	0.23	0.6	0.31	0.87	1.44	2.32	1.6	0.61	0.41	0.76	0.58	0.24	0.24	1.29
<i>Leptogenys pusilla</i>	0.16	0.12	0.57	0.22	0.75	1.09	1.64	1.19	0.56	0.4	0.51	0.48	0.17	0.14	1.07
<i>Leptogenys pusilla</i>	0.17	0.1	0.58	0.22	0.72	1.07	1.69	1.17	0.55	0.44	0.5	0.49	0.13	0.18	1.11
<i>Leptogenys sp 04</i>	0.28	0.18	0.55	0.28	0.81	1.39	2.04	1.58	0.59	0.39	0.65	0.55	0.1	0.27	1.23
<i>Leptogenys wheeleri</i>	0.12	0.07	0.41	0.16	0.48	0.62	1.09	0.73	0.38	0.25	0.33	0.3	0.07	0.08	0.72
<i>Leptogenys wheeleri</i>	0.18	0.14	0.42	0.14	0.54	NA	1.21	0.81	0.42	0.32	0.38	0.42	0.07	0.12	0.76
<i>Leptogenys wheeleri</i>	0.11	0.07	0.4	0.13	0.49	0.64	1.08	0.69	0.38	0.24	0.34	0.29	0.08	0.13	0.76
<i>Leptogenys wheeleri</i>	0.2	0.15	0.4	0.15	0.55	0.8	1.3	0.91	0.45	0.34	0.4	0.38	0.07	0.1	0.78

<i>Leptogenys wheeleri</i>	0.22	0.15	0.36	0.15	0.54	0.84	1.31	0.94	0.41	0.31	0.41	0.38	0.09	0.11	0.83
<i>Mayaponera constricta</i>	0.25	0.2	0.93	0.26	1.14	1.48	2.09	1.8	0.86	0.62	0.56	0.93	0.29	0.28	1.42
<i>Mayaponera constricta</i>	0.3	0.22	0.96	0.33	1.21	1.57	2.27	1.82	0.96	0.62	0.66	1.05	0.35	0.35	1.43
<i>Mayaponera constricta</i>	0.28	0.22	0.98	0.34	1.21	1.53	2.36	1.91	0.94	0.41	0.61	1.07	0.47	0.37	1.46
<i>Mayaponera constricta</i>	0.31	0.2	0.89	0.32	1.17	1.52	2.3	1.79	0.9	0.6	0.57	0.92	0.32	0.32	1.47
<i>Mayaponera constricta</i>	0.24	0.19	0.96	0.35	1.21	1.54	2.04	1.84	0.84	0.67	0.6	0.88	0.28	0.3	1.51
<i>Mayaponera constricta</i>	0.33	0.23	1	0.33	1.27	1.73	2.35	1.91	0.92	0.67	0.68	0.99	0.32	0.3	1.62
<i>Megalomyrmex balzani</i>	0.49	0.31	1.08	0.55	1.64	2.79	2.6	3.73	0.7	0.65	0.54	1.06	0.42	0.29	1.86
<i>Megalomyrmex balzani</i>	0.43	0.32	1.23	0.65	1.71	2.51	2.74	3.2	0.66	0.58	0.64	0.99	0.47	0.28	2.03
<i>Megalomyrmex balzani</i>	0.53	0.35	1.26	0.73	1.85	2.63	2.7	3.82	1.16	0.72	0.56	1.04	0.37	0.41	2.07
<i>Megalomyrmex balzani</i>	0.49	0.34	1.16	0.63	1.6	2.91	2.93	3.87	0.7	0.6	0.51	1.1	0.44	0.3	2.15
<i>Megalomyrmex cuatiara</i>	0.17	0.14	0.27	0.12	0.39	0.54	0.64	0.58	0.22	0.16	0.17	0.28	0.07	0.12	0.4
<i>Megalomyrmex cuatiara</i>	0.17	0.14	0.28	0.07	0.4	0.65	0.68	0.63	0.23	0.15	0.2	0.31	0.07	0.13	0.43
<i>Megalomyrmex driftii</i>	0.19	0.16	0.23	0.1	0.44	0.72	0.77	0.76	0.22	0.14	0.23	0.31	0.09	0.07	0.55
<i>Megalomyrmex driftii</i>	0.12	0.09	0.4	0.14	0.46	0.71	0.71	0.72	0.13	0.12	0.1	0.26	0.11	0.09	0.55
<i>Megalomyrmex driftii</i>	0.09	0.08	0.52	0.13	0.56	0.55	0.75	0.71	0.14	0.09	0.12	0.48	0.16	0.15	0.57
<i>Megalomyrmex driftii</i>	0.19	0.18	0.41	0.17	0.53	0.6	0.9	0.67	0.31	0.27	0.24	0.34	0.07	0.13	0.65
<i>Megalomyrmex incisus</i>	0.11	0.09	0.34	0.1	0.43	0.51	0.72	0.58	0.23	0.22	0.23	0.27	0.1	0.08	0.55
<i>Megalomyrmex incisus</i>	0.2	0.16	0.44	0.18	0.5	0.58	0.85	0.73	0.29	0.26	0.36	0.37	0.11	0.19	0.61
<i>Megalomyrmex leoninus</i>	0.34	0.31	0.68	0.36	0.84	1.51	1.91	1.81	0.56	0.39	0.65	0.69	0.36	0.38	0.97
<i>Megalomyrmex leoninus</i>	0.36	0.3	0.63	0.32	0.89	1.46	1.8	1.71	0.54	0.37	0.64	0.64	0.25	0.3	1.2
<i>Megalomyrmex leoninus</i>	0.36	0.3	0.6	0.33	0.9	1.5	1.76	1.71	0.48	0.37	0.65	0.61	0.26	0.26	1.26
<i>Megalomyrmex leoninus</i>	0.34	0.3	0.64	0.33	0.85	1.52	1.82	1.74	0.56	0.36	0.72	0.64	0.26	0.23	1.26
<i>Megalomyrmex silvestrii</i>	0.11	0.08	0.39	0.12	0.41	0.69	0.61	0.69	0.11	0.08	0.21	0.28	0.12	0.14	0.46
<i>Megalomyrmex silvestrii</i>	0.1	0.08	0.39	0.13	0.41	0.68	0.62	0.69	0.11	0.07	0.21	0.27	0.11	0.13	0.47
<i>Megalomyrmex silvestrii</i>	0.18	0.16	0.4	0.12	0.53	0.78	0.94	0.82	0.31	0.21	0.36	0.37	0.13	0.16	0.64
<i>Megalomyrmex wallacei</i>	0.31	0.22	0.47	0.16	0.68	0.91	1.39	1.19	0.44	0.34	0.6	0.5	0.21	0.2	0.96
<i>Monomorium floricola</i>	0.06	0.04	0.27	0.09	0.32	0.26	0.44	0.26	0.13	0.1	0.14	0.13	0.04	0.05	0.39

<i>Monomorium floricola</i>	0.06	0.04	0.3	0.1	0.33	0.26	0.44	0.24	0.12	0.12	0.13	0.14	0.05	0.1	0.39
<i>Monomorium floricola</i>	0.06	0.04	0.29	0.11	0.34	0.3	0.46	0.29	0.12	0.1	0.16	0.18	0.05	0.1	0.41
<i>Monomorium floricola</i>	0.07	0.05	0.3	0.11	0.36	0.3	0.48	0.29	0.13	0.11	0.14	0.18	0.05	0.14	0.42
<i>Monomorium floricola</i>	0.06	0.04	0.3	0.12	0.35	0.32	0.5	0.3	0.14	0.11	0.17	0.19	0.05	0.13	0.42
<i>Monomorium floricola</i>	0.07	0.04	0.3	0.1	0.36	0.31	0.49	0.3	0.14	0.11	0.17	0.18	0.05	0.13	0.45
<i>Monomorium pharaonis</i>	0.07	0.06	0.33	0.07	0.36	0.34	0.42	0.33	0.1	0.07	0.09	0.2	0.06	0.1	0.4
<i>Monomorium pharaonis</i>	0.08	0.06	0.35	0.15	0.41	0.44	0.56	0.43	0.16	0.14	0.18	0.23	0.06	0.12	0.53
<i>Monomorium pharaonis</i>	0.07	0.06	0.36	0.15	0.41	0.47	0.59	0.44	0.16	0.12	0.18	0.22	0.07	0.11	0.53
<i>Monomorium pharaonis</i>	0.08	0.06	0.38	0.17	0.44	0.46	0.62	0.46	0.16	0.14	0.16	0.22	0.06	0.14	0.54
<i>Monomorium pharaonis</i>	0.07	0.06	0.38	0.17	0.43	0.47	0.55	0.44	0.17	0.13	0.15	0.24	0.06	0.11	0.55
<i>Monomorium pharaonis</i>	0.08	0.07	0.37	0.16	0.43	0.46	0.59	0.48	0.16	0.12	0.17	0.22	0.07	0.13	0.56
<i>Mycocarpus smithii</i>	0.12	0.1	0.52	0.26	0.55	0.51	0.73	0.61	0.15	0.12	0.15	0.38	0.14	0.08	0.55
<i>Mycocarpus smithii</i>	0.13	0.1	0.53	0.27	0.57	0.54	0.76	0.63	0.15	0.12	0.14	0.39	0.16	0.09	0.58
<i>Mycocarpus smithii</i>	0.13	0.1	0.53	0.28	0.57	0.54	0.76	0.61	0.15	0.12	0.15	0.4	0.16	0.08	0.58
<i>Mycocarpus smithii</i>	0.13	0.1	0.53	0.28	0.57	0.54	0.76	0.62	0.15	0.12	0.15	0.4	0.15	0.1	0.59
<i>Mycocarpus sp 01</i>	0.12	0.1	0.53	0.27	0.56	0.52	0.74	0.61	0.15	0.12	0.15	0.39	0.13	0.09	0.55
<i>Mycocarpus sp 01</i>	0.12	0.1	0.55	0.28	0.6	0.52	0.74	0.63	0.15	0.12	0.16	0.41	0.17	0.1	0.59
<i>Mycocarpus sp 01</i>	0.13	0.11	0.55	0.28	0.6	0.55	0.79	0.64	0.15	0.12	0.17	0.42	0.17	0.11	0.6
<i>Myrmicocrypta sp 01</i>	0.06	0.05	0.56	0.29	0.6	0.64	0.86	0.72	0.16	0.08	0.21	0.42	0.13	0.09	0.67
<i>Myrmicocrypta sp 01</i>	0.05	0.05	0.56	0.31	0.6	0.62	0.79	0.78	0.16	0.08	0.23	0.41	0.12	0.12	0.68
<i>Myrmicocrypta sp 01</i>	0.05	0.05	0.6	0.31	0.65	0.66	0.99	0.81	0.18	0.12	0.26	0.48	0.14	0.15	0.76
<i>Myrmicocrypta sp 01</i>	0.05	0.07	0.67	0.33	0.72	0.72	0.98	0.81	0.19	0.13	0.24	0.54	0.14	0.16	0.8
<i>Myrmicocrypta sp 02</i>	0.07	0.06	0.46	0.25	0.52	0.55	0.78	0.71	0.17	0.13	0.24	0.36	0.09	0.12	0.64
<i>Myrmicocrypta sp 02</i>	0.05	0.05	0.52	0.26	0.56	0.64	0.83	0.66	0.17	0.1	0.24	0.45	0.13	0.15	0.65
<i>Myrmicocrypta sp 02</i>	0.08	0.07	0.6	0.31	0.63	0.71	0.8	0.83	0.17	0.13	0.19	0.44	0.13	0.14	0.69
<i>Myrmicocrypta sp 03</i>	0.05	0.05	0.53	0.25	0.55	0.52	0.81	0.68	0.17	0.12	0.21	0.41	0.11	0.11	0.62
<i>Myrmicocrypta sp 03</i>	0.06	0.05	0.47	0.24	0.5	0.56	0.71	0.58	0.16	0.12	0.26	0.35	0.12	0.14	0.63
<i>Myrmicocrypta sp 04</i>	0.09	0.07	0.6	0.31	0.66	0.57	0.95	0.81	0.2	0.14	0.27	0.49	0.14	0.11	0.72

<i>Neivamyrmex adnepos</i>	0.01	0.01	0.42	0.14	0.45	0.3	0.74	0.43	0.16	0.13	0.2	0.24	0.09	0.07	0.52
<i>Neivamyrmex angustinodis</i>	0.03	0.02	0.48	0.34	0.56	0.55	1.01	0.93	0.24	0.18	0.24	0.28	0.1	0.13	0.63
<i>Neivamyrmex angustinodis</i>	0.04	0.04	0.46	0.34	0.53	0.47	1.05	0.87	0.2	0.17	0.22	0.29	0.08	0.09	0.67
<i>Neivamyrmex angustinodis</i>	0.02	0.02	0.46	0.33	0.55	0.43	0.92	0.68	0.22	0.18	0.24	0.28	0.07	0.1	0.68
<i>Neivamyrmex angustinodis</i>	0.03	0.02	0.54	0.4	0.62	0.62	1.17	1.05	0.25	0.19	0.29	0.38	0.19	0.11	0.69
<i>Neivamyrmex gibbatus</i>	0.07	0.05	0.49	0.41	0.61	0.83	1.23	1.2	0.24	0.16	0.27	0.39	0.14	0.1	0.71
<i>Neivamyrmex gibbatus</i>	0.08	0.06	0.47	0.43	0.64	0.88	1.23	1.21	0.24	0.15	0.26	0.4	0.13	0.12	0.74
<i>Neivamyrmex gibbatus</i>	0.07	0.06	0.48	0.41	0.58	0.85	1.24	1.12	0.26	0.18	0.25	0.42	0.15	0.1	0.76
<i>Neivamyrmex gibbatus</i>	0.09	0.06	0.54	0.47	0.71	1.01	1.42	1.46	0.28	0.17	0.28	0.47	0.16	0.11	0.86
<i>Neivamyrmex iridescens</i>	0.05	0.04	0.54	0.45	0.67	0.69	1.21	1.05	0.27	0.21	0.3	0.42	0.14	0.13	0.76
<i>Neivamyrmex orthonotus</i>	0.01	0.01	0.4	0.25	0.44	0.32	0.72	0.46	0.18	0.14	0.18	0.23	0.09	0.06	0.45
<i>Neivamyrmex orthonotus</i>	0.02	0.01	0.4	0.28	0.47	0.29	0.75	0.49	0.19	0.14	0.17	0.24	0.09	0.08	0.5
<i>Neivamyrmex pilosus</i>	0.05	0.04	0.61	0.44	0.64	0.71	1.21	1.15	0.25	0.22	0.27	0.36	0.14	0.08	0.76
<i>Neivamyrmex pilosus</i>	0.07	0.05	0.65	0.52	0.75	0.78	1.35	1.32	0.27	0.25	0.26	0.43	0.16	0.12	0.86
<i>Neivamyrmex punctaticeps</i>	NA	NA	NA	NA	0.4	0.28	0.61	0.42	0.16	0.09	0.13	0.21	0.06	0.03	0.45
<i>Neivamyrmex punctaticeps</i>	NA	NA	NA	NA	0.55	0.36	0.78	0.62	0.2	0.13	0.19	0.32	0.09	0.05	0.62
<i>Neivamyrmex punctaticeps</i>	NA	NA	NA	NA	0.65	0.4	0.9	0.63	0.25	0.2	0.19	0.42	0.12	0.05	0.63
<i>Neivamyrmex punctaticeps</i>	NA	NA	NA	NA	0.59	0.31	0.8	0.62	0.23	0.17	0.2	NA	NA	NA	0.65
<i>Neivamyrmex punctaticeps</i>	NA	NA	NA	NA	0.71	0.4	0.94	0.66	0.27	0.2	0.18	0.47	0.14	0.07	0.68
<i>Neivamyrmex punctaticeps</i>	NA	NA	NA	NA	0.66	0.41	0.91	0.63	0.23	0.14	0.17	0.35	0.12	0.09	0.7
<i>Neivamyrmex swainsonii</i>	NA	NA	NA	NA	0.35	0.21	0.54	0.34	0.13	0.1	0.12	0.14	0.05	0.04	0.44
<i>Neivamyrmex swainsonii</i>	NA	NA	NA	NA	0.48	0.25	0.63	0.37	0.2	0.13	0.14	0.23	0.05	0.07	0.5
<i>Neivamyrmex swainsonii</i>	NA	NA	NA	NA	0.57	0.35	0.81	0.54	0.22	0.18	0.15	0.34	0.14	0.06	0.6
<i>Neoponera apicalis</i>	1	0.75	1.7	1.11	2.58	3.55	4.32	4.79	1.36	0.96	1.19	2.33	0.71	0.58	2.97
<i>Neoponera apicalis</i>	0.89	0.62	1.62	1.02	2.22	3.41	4.23	4.45	1.41	0.98	1.47	2.15	0.63	0.53	2.98
<i>Neoponera apicalis</i>	0.92	0.68	1.6	1.01	2.35	2.37	4.89	4.49	1.42	0.89	1.5	2.21	0.63	0.44	3.01
<i>Neoponera apicalis</i>	0.95	0.68	1.48	0.9	2.32	3.24	4.45	4.37	1.36	1	1.49	2.04	0.65	0.52	3.01
<i>Neoponera apicalis</i>	0.97	0.68	1.76	1.08	2.59	3.32	4.98	4.47	1.4	1.08	1.58	2.25	0.58	0.64	3.14

<i>Neoponera apicalis</i>	1.07	0.81	1.67	0.77	2.68	3.62	5	4.79	1.46	1.13	1.33	2.31	0.81	0.44	3.25
<i>Neoponera commutata</i>	0.94	0.67	2.2	0.97	2.85	3.59	5.41	4	1.66	1.24	1.32	2.64	1.1	0.81	3.07
<i>Neoponera commutata</i>	1.02	0.75	2.45	0.75	3.16	3.31	5.86	4.8	1.99	1.25	1.68	3.05	1.01	0.96	3.22
<i>Neoponera commutata</i>	0.9	0.68	2.13	0.95	3.03	3.6	5.5	4.36	1.63	1.27	1.65	2.75	1.1	0.72	3.57
<i>Neoponera commutata</i>	1.04	0.74	2.39	0.94	3.29	3.76	6.17	4.85	1.83	1.33	1.42	3.16	1.11	0.77	3.83
<i>Neoponera commutata</i>	1.01	0.77	2.52	1.35	3.46	3.76	6.2	4.35	2.43	1.36	1.78	3.26	1.16	0.74	3.91
<i>Neoponera commutata</i>	1.02	0.86	2.23	0.97	3.18	3.85	5.66	4.52	2.22	1.17	1.68	2.91	0.95	0.91	3.94
<i>Neoponera laevigata</i>	0.48	0.38	1.29	0.39	1.87	1.77	3.32	2.09	1.04	0.78	0.9	1.21	0.54	0.36	2.3
<i>Neoponera verenae</i>	0.8	0.6	1.15	0.63	1.7	2.26	3.49	2.93	1.11	0.86	1.02	1.74	0.46	0.46	2.03
<i>Neoponera verenae</i>	0.41	0.3	1.57	0.52	2.05	1.34	3	1.89	1.12	1.3	0.89	1.19	0.48	0.27	2.03
<i>Neoponera verenae</i>	0.78	0.51	1.25	0.74	1.81	2.39	3.75	3.27	1.1	0.83	1.01	1.4	0.57	0.4	2.26
<i>Neoponera verenae</i>	0.73	0.47	1.19	0.64	1.7	2.56	3.68	3.34	1.04	0.77	1.13	1.52	0.5	0.38	2.33
<i>Nomamyrmex esenbeckii</i>	0.08	0.06	0.92	0.54	1.09	0.76	1.87	1.53	0.46	0.42	0.41	0.67	0.28	0.13	1.2
<i>Nomamyrmex esenbeckii</i>	0.09	0.07	0.91	0.63	1.13	0.78	1.97	1.57	0.54	0.44	0.37	0.75	0.27	0.17	1.21
<i>Nomamyrmex esenbeckii</i>	0.12	0.11	1.45	1.01	1.91	1.37	2.89	2.65	0.64	0.63	0.63	1.16	0.44	0.3	1.86
<i>Nomamyrmex hartigi</i>	0.11	0.08	1.16	0.7	1.54	1.03	2.14	1.96	0.58	0.45	0.45	0.97	0.4	0.11	1.39
<i>Nomamyrmex hartigi</i>	0.09	0.06	0.9	0.58	1.2	0.88	2	1.63	0.42	0.42	0.37	NA	NA	NA	NA
<i>Nylanderia caeciliae</i>	0.13	0.1	0.27	0.14	0.46	0.64	0.62	0.63	0.15	0.09	0.12	NA	NA	0.13	0.54
<i>Nylanderia caeciliae</i>	0.13	0.09	0.29	0.13	0.46	0.66	0.67	0.6	0.07	0.09	0.16	0.27	0.07	0.11	0.56
<i>Nylanderia caeciliae</i>	0.13	0.09	0.28	0.11	0.46	0.67	0.64	0.65	0.09	0.1	0.07	0.2	0.04	0.12	0.57
<i>Nylanderia caeciliae</i>	0.13	0.11	0.3	0.13	0.46	0.75	0.73	0.68	0.1	0.11	0.07	0.27	0.06	0.14	0.57
<i>Nylanderia caeciliae</i>	0.13	0.09	0.28	0.13	0.47	0.63	0.66	0.63	0.11	0.1	0.16	0.25	0.06	0.1	0.57
<i>Nylanderia caeciliae</i>	0.15	0.11	0.32	0.14	0.5	0.78	0.75	0.71	0.1	0.12	0.07	0.28	0.06	0.15	0.61
<i>Nylanderia guatemalensis</i>	0.11	0.08	0.25	0.11	0.42	NA	0.6	0.58	0.09	0.07	0.15	0.25	0.06	0.11	0.5
<i>Nylanderia guatemalensis</i>	0.11	0.08	0.28	0.13	0.43	0.62	0.55	0.61	0.08	0.08	0.13	0.2	0.07	0.11	0.53
<i>Nylanderia guatemalensis</i>	0.13	0.1	0.28	0.13	0.45	0.67	0.67	0.62	0.11	0.1	0.17	0.27	0.07	0.12	0.54
<i>Nylanderia guatemalensis</i>	0.12	0.09	0.29	0.11	0.45	0.64	0.7	0.59	0.1	0.09	0.14	0.23	0.07	0.12	0.56
<i>Nylanderia guatemalensis</i>	0.13	0.09	0.29	0.17	0.52	0.76	0.73	0.68	0.09	0.11	0.13	0.29	0.07	0.12	0.61

<i>Nylanderia guatemalensis</i>	0.13	0.09	0.37	0.2	0.57	0.76	0.71	0.63	0.1	0.1	0.09	0.29	0.08	0.11	0.65
<i>Nylanderia sp 01</i>	0.13	0.1	0.26	0.12	0.47	0.67	0.59	0.61	0.09	0.09	0.07	0.27	0.05	0.12	0.51
<i>Nylanderia sp 01</i>	0.12	0.1	0.26	0.11	0.43	0.62	0.56	0.61	0.07	0.09	0.1	0.23	0.05	0.13	0.52
<i>Nylanderia sp 01</i>	0.14	0.1	0.31	0.15	0.46	0.75	0.69	0.71	0.1	0.11	0.14	0.27	0.07	0.15	0.59
<i>Nylanderia sp 01</i>	0.13	0.09	0.31	0.13	0.52	0.73	0.71	0.72	0.08	0.12	0.13	0.31	0.06	0.12	0.62
<i>Nylanderia sp 01</i>	0.16	0.12	0.31	0.14	0.49	0.8	0.73	0.78	0.09	0.12	0.14	0.31	0.08	0.15	0.62
<i>Nylanderia sp 04</i>	0.1	0.06	0.25	0.11	0.38	0.56	0.54	0.52	0.06	0.08	0.1	0.23	0.05	0.11	0.43
<i>Nylanderia sp 04</i>	0.12	0.09	0.25	0.14	0.38	0.63	0.58	0.62	0.07	0.09	0.1	0.24	0.06	0.13	0.47
<i>Nylanderia sp 04</i>	0.1	0.07	0.26	0.13	0.41	0.6	0.57	0.57	0.08	0.09	0.11	0.24	0.06	0.1	0.48
<i>Nylanderia sp 04</i>	0.1	0.07	0.28	0.13	0.43	0.66	0.61	0.62	0.11	0.09	0.14	0.26	0.06	0.11	0.56
<i>Ochetomyrmex neopolitus</i>	0.1	0.07	0.38	0.13	0.43	0.33	0.55	0.37	0.17	0.14	0.17	0.26	0.07	0.12	0.49
<i>Ochetomyrmex neopolitus</i>	0.1	0.07	0.38	0.14	0.44	0.3	0.53	0.43	0.16	0.12	0.18	0.21	0.09	0.13	0.5
<i>Ochetomyrmex neopolitus</i>	0.14	0.1	0.5	0.17	0.58	0.49	0.7	0.57	0.25	0.18	0.24	0.31	0.11	0.18	0.51
<i>Ochetomyrmex neopolitus</i>	0.13	0.08	0.45	0.17	0.55	0.41	0.63	0.5	0.22	0.15	0.18	0.27	0.11	0.16	0.53
<i>Ochetomyrmex neopolitus</i>	0.14	0.09	0.47	0.17	0.56	0.46	0.66	0.53	0.22	0.17	0.22	0.3	0.09	0.15	0.59
<i>Ochetomyrmex semipolitus</i>	0.11	0.07	0.35	0.14	0.41	0.29	0.49	0.35	0.17	0.12	0.16	0.23	0.07	0.12	0.44
<i>Ochetomyrmex semipolitus</i>	0.11	0.08	0.37	0.13	0.44	0.33	0.51	0.35	0.18	0.13	0.16	0.24	0.06	0.13	0.45
<i>Ochetomyrmex semipolitus</i>	0.12	0.08	0.36	0.12	0.42	0.29	0.53	0.33	0.17	0.13	0.16	0.21	0.07	0.12	0.45
<i>Ochetomyrmex semipolitus</i>	0.1	0.08	0.38	0.12	0.43	0.32	0.51	0.36	0.17	0.12	0.16	0.24	0.08	0.12	0.45
<i>Ochetomyrmex semipolitus</i>	0.11	0.08	0.38	0.14	0.45	0.33	0.54	0.36	0.19	0.14	0.14	0.26	0.08	0.14	0.46
<i>Ochetomyrmex semipolitus</i>	0.11	0.08	0.38	0.15	0.46	0.34	0.51	0.37	0.17	0.11	0.18	0.24	0.07	0.13	0.48
<i>Octostruma balzani</i>	0.03	0.03	0.41	0.22	0.49	0.22	0.49	0.3	0.16	0.16	0.12	0.14	0.05	0.16	0.44
<i>Octostruma balzani</i>	0.04	0.04	0.41	0.23	0.47	0.22	0.46	0.28	0.15	0.15	0.11	0.14	0.06	0.18	0.45
<i>Octostruma balzani</i>	0.04	0.03	0.4	0.27	0.5	0.27	0.53	0.35	0.15	0.15	0.15	0.17	0.07	0.18	0.45
<i>Octostruma balzani</i>	0.04	0.04	0.41	0.24	0.47	0.23	0.5	0.33	0.17	0.15	0.16	0.15	0.09	0.15	0.45
<i>Octostruma balzani</i>	0.05	0.04	0.45	0.24	0.51	0.24	0.51	0.33	0.17	0.18	0.18	0.18	0.1	0.16	0.45
<i>Octostruma iheringi</i>	0.03	0.03	0.44	0.25	0.53	0.32	0.7	0.45	0.2	0.2	0.25	0.21	0.1	0.19	0.61
<i>Octostruma sp 01</i>	0.03	0.03	0.41	0.24	0.47	0.2	0.45	0.3	0.15	0.14	0.15	0.14	0.08	0.15	0.43

<i>Odontomachus bauri</i>	0.37	0.28	1.27	0.72	1.64	1.82	2.32	2.05	0.65	0.41	0.44	1.21	0.37	0.49	2.15
<i>Odontomachus bauri</i>	0.42	0.26	1.36	0.65	1.77	1.97	2.54	2.08	0.53	0.4	0.44	1.16	0.38	0.43	2.2
<i>Odontomachus bauri</i>	0.44	0.29	1.38	0.69	1.85	2.34	2.75	2.61	0.62	0.49	0.46	1.35	0.39	0.49	2.38
<i>Odontomachus bauri</i>	0.41	0.3	1.57	0.83	2.1	2.71	3.28	2.82	0.72	0.45	0.55	1.62	0.43	0.47	2.71
0.41	0.35	1.35	0.7	1.86	2.07	2.67	2.28	0.92	0.45	0.36	1.35	0.39	0.17	2.19	
<i>Odontomachus caelatus</i>	0.35	0.3	1.4	0.76	1.66	2.31	2.88	2.53	0.63	0.45	0.58	1.34	0.35	0.35	2.32
<i>Odontomachus caelatus</i>	0.55	0.38	1.69		1	2.15	2.72	3.25	3.04	0.69	0.5	0.64	1.71	0.47	2.85
<i>Odontomachus caelatus</i>	0.53	0.36	1.73	0.99	2.45	3.02	3.44	3.51	0.84	0.59	0.7	1.98	0.57	0.75	3.19
<i>Odontomachus caelatus</i>	0.5	0.36	1.94	0.98	2.52	3.07	3.74	3.45	0.78	0.52	0.69	1.88	0.48	0.56	3.21
<i>Odontomachus caelatus</i>	0.55	0.51	1.89	0.95	2.45	2.98	3.45	3.36	0.83	0.57	0.61	1.93	0.6	0.7	3.22
<i>Odontomachus caelatus</i>	0.53	0.38	2.13	1.1	2.67	3.11	3.67	3.59	0.86	0.6	0.66	1.8	0.57	0.57	3.38
<i>Odontomachus haematodus</i>	0.46	0.34	1.28	0.76	1.61	2.33	2.83	2.42	0.6	0.41	0.6	1.5	0.39	0.38	2.18
<i>Odontomachus haematodus</i>	0.44	0.3	1.32	0.67	1.72	2.21	3.01	2.43	0.79	0.54	0.58	1.36	0.34	0.46	2.22
<i>Odontomachus haematodus</i>	0.44	0.3	1.35	0.74	1.74	2.4	2.73	2.59	0.6	0.43	0.37	1.35	0.38	0.24	2.34
<i>Odontomachus haematodus</i>	0.44	0.3	1.34	0.73	1.81	2.52	2.96	2.38	0.6	0.44	0.62	1.3	0.29	0.3	2.41
<i>Odontomachus haematodus</i>	0.49	0.35	1.55	0.89	2.01	2.43	3.17	2.77	0.7	0.41	0.57	1.48	0.42	0.39	2.55
<i>Odontomachus haematodus</i>	0.51	0.38	1.5	0.84	1.87	2.83	3.11	2.88	0.73	0.37	0.68	1.53	0.43	0.41	2.67
<i>Odontomachus laticeps</i>	0.31	0.24	1.01	0.54	1.24	1.79	2.13	1.78	0.61	0.42	0.46	1.1	0.26	0.37	1.75
<i>Odontomachus laticeps</i>	0.37	0.27	1.19	0.64	1.51	2.17	2.63	2.34	0.56	0.39	0.48	1.28	0.34	0.31	2.2
<i>Odontomachus laticeps</i>	0.4	0.32	1.34	0.7	1.73	2.37	2.79	2.58	0.69	0.52	0.42	1.46	0.35	0.34	2.41
<i>Odontomachus meinerti</i>	0.29	0.21	1.02	0.54	1.35	1.57	2.21	1.62	0.52	0.36	0.39	0.99	0.26	0.26	1.81
<i>Odontomachus meinerti</i>	0.3	0.25	1.03	0.57	1.34	1.9	2.32	2.06	0.56	0.35	0.44	1.12	0.25	0.3	1.88
<i>Odontomachus meinerti</i>	0.43	0.25	1.1	0.59	1.45	1.87	2.08	1.91	0.53	0.4	0.42	1.06	0.3	0.24	1.9
<i>Odontomachus meinerti</i>	0.33	0.24	1.12	0.56	1.42	1.97	2.41	2.09	0.54	0.38	0.49	1.04	0.28	0.33	1.93
<i>Odontomachus meinerti</i>	0.41	0.31	1.2	0.63	1.58	1.88	2.58	1.98	0.6	0.51	0.49	1.13	0.33	0.33	2.02
<i>Odontomachus meinerti</i>	0.41	0.25	1.23	0.67	1.64	1.88	2.49	2.04	0.55	0.44	0.29	1.15	0.36	0.35	2.11
<i>Odontomachus opaciventris</i>	0.45	0.35	1.46	0.71	1.85	2.59	2.83	2.67	0.59	0.42	0.57	1.56	0.39	0.5	2.21
<i>Odontomachus opaciventris</i>	0.42	0.31	1.54	0.74	1.98	2.56	2.84	2.81	0.59	0.47	0.53	1.55	0.45	0.47	2.24



<i>Odontomachus opaciventris</i>	0.44	0.31	1.4	0.74	1.76	2.43	2.74	2.54	0.58	0.39	0.52	1.44	0.41	0.41	2.29
<i>Odontomachus opaciventris</i>	0.42	0.34	1.55	0.83	1.9	2.63	2.99	2.77	0.62	0.45	0.57	1.54	0.4	0.43	2.58
<i>Odontomachus opaciventris</i>	0.45	0.33	1.69	0.8	2.2	2.77	3.13	3.06	0.73	0.53	0.62	1.58	0.47	0.48	2.74
<i>Odontomachus opaciventris</i>	0.43	0.38	1.57	0.86	2.08	2.71	3.09	2.94	0.73	0.47	0.54	1.72	0.45	0.46	2.77
<i>Odontomachus scalptus</i>	0.43	0.36	1.5	0.91	1.86	2.53	3.03	2.76	0.54	0.42	0.58	1.54	0.43	0.46	2.23
<i>Odontomachus scalptus</i>	0.45	0.33	1.58	0.83	2.02	2.62	2.98	2.81	0.67	0.46	0.66	1.42	0.46	0.42	2.65
<i>Odontomachus scalptus</i>	0.44	0.33	1.64	0.85	2.12	2.77	3.29	2.94	0.69	0.45	0.6	1.43	0.5	0.46	2.69
<i>Odontomachus scalptus</i>	0.35	0.33	1.48	0.87	2.01	2.58	3.12	3.03	0.68	0.5	0.58	1.55	0.44	0.41	2.7
<i>Odontomachus scalptus</i>	0.56	0.43	1.69	0.96	2.22	2.92	3.25	3.17	0.75	0.51	0.64	1.64	0.49	0.46	2.9
<i>Oxyepoecus ephippiatus</i>	0.09	0.06	0.48	0.14	0.5	0.39	0.71	0.47	0.27	0.31	0.2	0.32	0.09	0.13	0.52
<i>Oxyepoecus ephippiatus</i>	0.1	0.07	0.49	0.14	0.51	0.41	0.73	0.49	0.28	0.32	0.21	0.32	0.09	0.11	0.57
<i>Oxyepoecus sp 01</i>	0.1	0.08	0.67	0.26	0.69	0.43	0.78	0.52	0.23	0.2	0.24	0.39	0.14	0.19	0.72
<i>Pachycondyla crassinoda</i>	0.78	0.6	2.72	0.7	3.51	3.18	5.62	3.79	2.08	2.1	1.71	2.53	0.95	0.69	3.24
<i>Pachycondyla crassinoda</i>	0.73	0.53	2.69	0.69	3.36	3.12	5.38	3.87	2.6	2.34	1.75	2.51	0.96	0.63	3.54
<i>Pachycondyla crassinoda</i>	0.71	0.57	2.63	0.75	3.34	3.06	5.14	3.65	2.25	2.04	1.77	2.35	0.96	0.66	3.55
<i>Pachycondyla crassinoda</i>	0.78	0.61	2.83	0.78	3.63	3.4	5.59	4.19	2.4	2.19	1.9	2.59	1	0.7	3.57
<i>Pachycondyla crassinoda</i>	0.82	0.61	2.78	0.7	3.59	3.36	5.67	3.91	2.63	2.29	1.85	2.59	1.04	0.6	3.7
<i>Pachycondyla crassinoda</i>	0.72	0.55	2.88	0.81	3.73	3.05	5.8	4.21	2.64	2.25	1.75	2.69	0.96	0.67	3.85
<i>Pachycondyla curvinodis</i>	0.82	0.62	2.02	0.54	2.8	3.18	5	4.26	1.72	1.43	1.35	2.64	0.79	0.62	2.78
<i>Pachycondyla ferruginea</i>	0.12	0.11	0.92	0.18	1.02	0.83	1.55	0.97	0.72	0.65	0.44	0.96	0.22	0.11	1.11
<i>Pachycondyla globularia</i>	0.59	0.48	1.36	0.62	1.87	2.17	3.34	2.55	1.27	1.18	1.07	1.48	0.56	0.49	2.17
<i>Pachycondyla harpax</i>	0.41	0.3	1.53	0.31	1.95	1.64	2.96	1.95	1.36	1.26	0.74	1.3	0.51	0.26	2
<i>Pachycondyla harpax</i>	0.32	0.25	1.45	0.35	1.83	1.43	2.79	1.71	1.24	1.2	0.73	1.15	0.46	0.5	1.71
<i>Pachycondyla harpax</i>	0.33	0.25	1.47	0.29	1.79	1.49	2.76	1.77	1	1.07	0.76	1.1	0.48	0.27	1.81
<i>Pachycondyla harpax</i>	0.35	0.28	1.52	0.27	1.92	1.54	2.73	1.94	1.34	1.25	0.79	1.19	0.48	0.27	1.94
<i>Pachycondyla harpax</i>	0.43	0.39	2	0.41	2.48	2.29	3.78	2.58	1.8	1.47	1.28	1.84	0.67	0.36	2.53
<i>Pachycondyla impressa</i>	0.51	0.43	2.03	0.45	2.46	2.21	3.86	2.56	1.91	1.62	1.16	1.72	0.6	0.32	2.61
<i>Pachycondyla marginata</i>	0.4	0.33	0.95	0.21	1.42	1.19	2.64	1.26	0.74	0.69	0.72	1.04	1.08	0.16	1.77

<i>Pachycondyla striata</i>	0.36	0.27	1.5	0.32	1.93	1.53	2.84	1.8	1.37	1.3	0.78	1.14	0.48	0.29	1.63
<i>Pachycondyla striata</i>	0.32	0.24	1.27	0.28	1.67	1.44	2.47	1.61	1.09	1.07	0.69	1.09	0.43	0.35	1.64
<i>Pachycondyla striata</i>	0.29	0.23	1.55	0.21	1.9	1.53	2.87	1.77	1.22	1.33	0.74	1.08	0.43	0.22	1.83
<i>Pachycondyla striata</i>	0.31	0.24	1.52	0.32	1.86	1.48	2.83	1.82	1.23	1.3	0.82	1.07	0.47	0.23	1.85
<i>Pheidole biconstricta</i>	0.15	0.11	0.6	0.23	0.68	1.03	1.07	1.25	0.2	0.13	0.2	0.51	0.19	0.22	0.71
<i>Pheidole biconstricta</i>	0.14	0.12	0.62	0.24	0.71	1.03	1.11	1.22	0.18	0.13	0.21	0.42	0.18	0.22	0.73
<i>Pheidole biconstricta</i>	0.15	0.13	0.56	0.25	0.62	0.96	1.02	1.13	0.18	0.12	0.25	0.4	0.16	0.21	0.75
<i>Pheidole biconstricta</i>	0.17	0.13	0.63	0.27	0.7	1.02	1.05	1.26	0.2	0.15	0.25	0.5	0.19	0.21	0.79
<i>Pheidole biconstricta</i>	0.16	0.13	0.67	0.29	0.75	1.11	1.11	1.27	0.2	0.15	0.26	0.57	0.19	0.25	0.79
<i>Pheidole biconstricta</i>	0.18	0.13	0.68	0.33	0.77	1.04	1.14	1.31	0.24	0.17	0.29	0.58	0.22	0.25	0.92
<i>Pheidole cataractae</i>	0.08	0.07	0.4	0.13	0.44	0.65	0.62	0.69	0.11	0.07	0.14	0.27	0.09	0.14	0.42
<i>Pheidole cataractae</i>	0.1	0.07	0.38	0.14	0.42	0.63	0.6	0.66	0.06	0.09	0.11	0.27	0.08	0.1	0.47
<i>Pheidole cataractae</i>	0.1	0.07	0.41	0.15	0.43	0.65	0.64	0.71	0.11	0.07	0.15	0.27	0.09	0.11	0.5
<i>Pheidole cataractae</i>	0.13	0.11	0.46	0.18	0.52	0.98	0.9	1.02	0.13	0.09	0.21	0.42	0.13	0.18	0.51
<i>Pheidole cataractae</i>	0.13	0.11	0.45	0.2	0.51	0.98	0.9	1.05	0.13	0.09	0.21	0.39	0.11	0.17	0.59
<i>Pheidole embolopyx</i>	0.11	0.09	0.37	0.14	0.45	0.7	0.71	0.69	0.12	0.07	0.15	0.31	0.08	0.14	0.55
<i>Pheidole embolopyx</i>	0.12	0.09	0.42	0.17	0.48	0.75	0.74	0.76	0.12	0.09	0.17	0.29	0.12	0.15	0.56
<i>Pheidole exigua</i>	0.06	0.05	0.34	0.08	0.38	0.33	0.45	0.3	0.08	0.06	0.1	0.2	0.07	0.07	0.38
<i>Pheidole flavens</i>	0.07	0.05	0.35	0.07	0.4	0.34	0.47	0.31	0.1	0.08	0.05	0.22	0.07	0.1	0.38
<i>Pheidole flavens</i>	0.07	0.05	0.36	0.08	0.39	0.35	0.47	0.35	0.09	0.07	0.1	0.22	0.07	0.08	0.4
<i>Pheidole flavens</i>	0.07	0.05	0.35	0.08	0.4	0.36	0.47	NA	0.1	0.07	0.13	0.22	0.08	0.09	0.41
<i>Pheidole flavens</i>	0.08	0.05	0.36	0.08	0.4	0.38	0.44	0.36	0.09	0.07	0.13	0.24	0.1	0.1	0.43
<i>Pheidole flavens</i>	0.07	0.06	0.37	0.09	0.41	0.37	0.45	0.35	0.1	0.07	0.11	0.26	0.08	0.12	0.45
<i>Pheidole meinerti</i>	0.09	0.06	0.37	0.11	0.41	0.56	0.53	0.54	0.1	0.06	0.14	0.24	0.08	0.12	0.45
<i>Pheidole nitella</i>	0.13	0.11	0.39	0.15	0.45	0.76	0.76	0.77	0.13	0.1	0.21	0.3	0.1	0.13	0.52
<i>Pheidole nitella</i>	0.12	0.1	0.46	0.19	0.53	0.71	0.76	0.75	0.13	0.11	0.18	0.33	0.12	0.11	0.59
<i>Pheidole nitella</i>	0.12	0.08	0.46	0.19	0.5	0.73	0.72	0.75	0.14	0.09	0.19	0.3	0.1	0.14	0.6
<i>Pheidole radoszkowiskii</i>	0.12	0.1	0.41	0.17	0.46	0.65	0.67	0.64	0.12	0.09	0.14	0.3	0.1	0.14	0.49

<i>Pheidole radoszkowiskii</i>	0.12	0.09	0.4	0.16	0.48	0.64	0.66	NA	NA	NA	NA	0.27	0.1	0.14	0.49
<i>Pheidole radoszkowiskii</i>	0.13	0.09	0.41	0.16	0.49	0.65	0.69	0.64	0.12	0.1	0.15	0.3	0.11	0.12	0.52
<i>Pheidole radoszkowiskii</i>	0.13	0.1	0.41	0.17	0.46	0.63	0.66	0.6	0.12	0.09	0.14	0.28	0.1	0.12	0.54
<i>Pheidole radoszkowiskii</i>	0.13	0.1	0.52	0.21	0.61	0.77	0.8	0.8	0.16	0.13	0.21	0.36	0.11	0.14	0.65
<i>Pheidole sp 01</i>	0.13	0.08	0.67	0.19	0.72	0.65	0.87	0.83	0.18	0.13	0.28	0.46	0.15	0.18	0.62
<i>Pheidole sp 01</i>	0.13	0.08	0.65	0.19	0.71	0.61	0.88	0.8	0.19	0.11	0.24	0.4	0.16	0.2	0.65
<i>Pheidole sp 02</i>	0.11	0.09	0.37	0.16	0.45	0.7	0.69	0.71	0.11	0.09	0.14	0.3	0.08	0.14	0.5
<i>Pheidole sp 02</i>	0.12	0.08	0.35	0.13	0.41	0.69	0.72	0.74	0.12	0.09	0.13	0.29	0.07	0.11	0.52
<i>Pheidole sp 02</i>	0.11	0.08	0.4	0.16	0.46	0.68	0.7	0.75	0.11	0.1	0.16	0.29	0.09	0.12	0.55
<i>Pheidole sp 02</i>	0.14	0.1	0.4	0.16	0.47	0.72	0.73	0.76	0.13	0.09	0.16	0.32	0.12	0.14	0.56
<i>Pheidole sp 04</i>	0.09	0.08	0.82	0.27	0.88	0.89	1.2	1.01	0.21	0.15	0.29	0.61	0.22	0.19	0.86
<i>Pheidole sp 04</i>	0.09	0.08	0.84	0.28	0.9	0.94	1.2	1.12	0.23	0.17	0.29	0.63	0.22	0.18	0.91
<i>Pheidole sp 09</i>	0.11	0.08	0.46	0.13	0.49	0.46	0.63	0.54	0.11	0.07	0.17	0.31	0.12	0.13	0.49
<i>Pheidole sp 09</i>	0.1	0.08	0.43	0.14	0.47	0.44	0.61	0.53	0.13	0.08	0.18	0.29	0.12	0.14	0.5
<i>Pheidole sp 09</i>	0.19	0.15	0.53	0.24	0.56	1.33	1.23	1.61	0.17	0.12	0.27	0.51	0.17	0.18	0.72
<i>Pheidole sp 09</i>	0.18	0.14	0.5	0.24	0.57	1.6	1.32	1.92	0.18	0.11	0.31	0.47	0.16	0.18	0.73
<i>Pheidole sp 10</i>	0.07	0.05	0.31	0.08	0.35	0.34	0.42	0.31	0.08	0.06	0.07	0.21	0.08	0.09	0.33
<i>Pheidole sp 10</i>	0.08	0.06	0.33	0.07	0.36	0.34	0.45	0.35	0.1	0.07	0.12	0.22	0.08	0.1	0.39
<i>Pheidole sp 10</i>	0.09	0.07	0.38	0.09	0.41	0.56	0.55	0.54	0.1	0.08	0.13	0.26	0.08	0.11	0.45
<i>Pheidole sp 10</i>	0.09	0.06	0.37	0.09	0.42	0.56	0.55	0.55	0.11	0.07	0.14	0.26	0.09	0.08	0.46
<i>Pheidole sp 100</i>	0.13	0.08	0.66	0.17	0.71	0.62	0.83	0.8	0.19	0.12	0.31	0.45	0.16	0.18	0.64
<i>Pheidole sp 100</i>	0.13	0.08	0.66	0.17	0.7	0.66	0.87	0.82	0.18	0.11	0.3	0.44	0.16	0.17	0.65
<i>Pheidole sp 100</i>	0.13	0.08	0.64	0.17	0.67	0.62	0.83	0.8	0.19	0.11	0.3	0.44	0.14	0.15	0.66
<i>Pheidole sp 105</i>	0.13	0.09	0.33	0.14	0.42	0.84	0.78	0.85	0.12	0.09	0.15	0.3	0.1	0.15	0.51
<i>Pheidole sp 105</i>	0.15	0.11	0.53	0.2	0.59	0.94	0.95	0.94	0.18	0.15	0.21	0.39	0.14	0.18	0.68
<i>Pheidole sp 106</i>	0.14	0.1	0.39	0.14	0.45	0.74	0.75	0.79	0.13	0.09	0.18	0.3	0.1	0.14	0.57
<i>Pheidole sp 106</i>	0.14	0.11	0.41	0.14	0.48	0.8	0.83	0.82	0.14	0.09	0.17	0.32	0.1	0.16	0.58
<i>Pheidole sp 106</i>	0.15	0.11	0.41	0.16	0.47	0.8	0.8	0.82	0.14	0.09	0.18	0.32	0.12	0.15	0.59

<i>Pheidole sp 11</i>	0.08	0.05	0.31	0.05	0.36	0.23	0.4	0.29	0.1	0.08	0.13	0.21	0.07	0.08	0.34	
<i>Pheidole sp 11</i>	0.08	0.05	0.33	0.06	0.36	0.28	0.42	0.28	0.11	0.08	0.11	0.21	0.08	0.1	0.35	
<i>Pheidole sp 11</i>	0.07	0.05	0.34	0.09	0.38	0.34	0.39	0.33	0.09	0.06	0.11	0.21	0.09	0.1	0.41	
<i>Pheidole sp 11</i>	0.16	0.12	0.42	0.19	0.47	1.12	0.99	0.6	0.14	0.1	0.23	0.4	0.11	0.17	0.57	
<i>Pheidole sp 11</i>	0.15	0.1	0.42	0.17	0.47	0.95	0.83		1	0.12	0.09	0.2	0.32	0.11	0.15	0.59
<i>Pheidole sp 111</i>	0.1	0.05	0.37	0.12	0.41	0.61	0.6	0.64	0.11	0.06	0.14	0.26	0.07	0.12	0.43	
<i>Pheidole sp 111</i>	0.11	0.07	0.35	0.14	0.41	0.65	0.64	0.7	0.1	0.08	0.14	0.29	0.09	0.14	0.48	
<i>Pheidole sp 12</i>	0.1	0.06	0.36	0.12	0.41	0.43	0.55	0.46	0.1	0.07	0.13	0.28	0.08	0.09	0.47	
<i>Pheidole sp 12</i>	0.09	0.06	0.38	0.11	0.43	0.45	0.58	0.48	0.1	0.07	0.13	0.27	0.1	0.11	0.47	
<i>Pheidole sp 12</i>	0.11	0.07	0.53	0.16	0.56	0.65	0.78	0.73	0.13	0.08	0.18	0.44	0.14	0.14	0.48	
<i>Pheidole sp 12</i>	0.12	0.08	0.5	0.18	0.55	0.67	0.79	0.74	0.13	0.08	0.15	0.42	0.14	0.15	0.49	
<i>Pheidole sp 12</i>	0.11	0.06	0.49	0.14	0.51	0.64	0.73	0.63	0.12	0.08	0.13	0.37	0.12	0.13	0.51	
<i>Pheidole sp 120</i>	0.06	0.05	0.52	0.14	0.54	0.55	0.69	0.59	0.11	0.08	0.15	0.43	0.13	0.12	0.52	
<i>Pheidole sp 13</i>	0.19	0.15	0.6	0.24	0.63	1.33	1.36	1.34	0.19	0.12	0.24	0.5	0.2	0.23	0.72	
<i>Pheidole sp 13</i>	0.17	0.13	0.53	0.24	0.59	1.38	1.25	1.61	0.17	0.12	0.24	0.48	0.17	0.21	0.73	
<i>Pheidole sp 13</i>	0.18	0.13	0.6	0.27	0.67	1.37	1.31	1.64	0.17	0.12	0.24	0.53	0.18	0.21	0.75	
<i>Pheidole sp 13</i>	0.19	0.13	0.54	0.27	0.64	1.36	1.35	1.66	0.17	0.12	0.22	0.52	0.16	0.2	0.81	
<i>Pheidole sp 13</i>	0.17	0.12	0.56	0.28	0.62	1.35	1.27	1.52	0.17	0.12	0.21	0.44	0.16	0.16	0.82	
<i>Pheidole sp 14</i>	0.19	0.16	0.52	0.22	0.56	1.48	1.24	1.66	0.16	0.12	0.3	0.48	0.14	0.21	0.65	
<i>Pheidole sp 14</i>	0.16	0.13	0.46	0.21	0.49	1.28	1.06	1.46	0.16	0.1	0.25	0.4	0.11	0.17	0.66	
<i>Pheidole sp 14</i>	0.16	0.13	0.44	0.22	0.51	1.22	1.07	1.45	0.15	0.09	0.24	0.38	0.13	0.16	0.69	
<i>Pheidole sp 14</i>	0.18	0.14	0.53	0.27	0.58	1.45	1.19	1.63	0.17	0.12	0.28	0.48	0.15	0.19	0.73	
<i>Pheidole sp 14</i>	0.2	0.16	0.5	0.26	0.58	1.46	1.22	1.58	0.15	0.12	0.29	0.45	0.15	0.16	0.73	
<i>Pheidole sp 14</i>	0.18	0.12	0.56	0.24	0.64	1.31	1.31	1.63	0.16	0.12	0.26	0.52	0.17	0.21	0.76	
<i>Pheidole sp 15</i>	0.13	0.11	0.39	0.14	0.46	0.97	0.86	1.04	0.12	0.08	0.21	0.34	0.11	0.14	0.54	
<i>Pheidole sp 15</i>	0.15	0.12	0.39	0.17	0.46	0.91	0.82	0.96	0.12	0.1	0.19	0.34	0.1	0.16	0.56	
<i>Pheidole sp 15</i>	0.13	0.11	0.35	0.12	0.42	0.81	0.76	0.84	0.12	0.08	0.16	0.28	0.1	0.12	0.57	
<i>Pheidole sp 15</i>	0.16	0.13	0.4	0.18	0.47	1.12	0.98	1.13	NA	NA	NA	0.39	0.13	0.18	0.57	

<i>Pheidole sp 15</i>	0.15	0.12	0.44	0.21	0.52	1.02	0.97	1.11	0.13	0.09	0.2	0.34	0.13	0.16	0.66
<i>Pheidole sp 16</i>	0.05	0.04	0.46	0.11	0.47	0.44	0.63	0.5	0.1	0.06	0.14	0.33	0.08	0.11	0.49
<i>Pheidole sp 16</i>	0.06	0.05	0.46	0.15	0.49	0.44	0.63	0.49	0.09	0.07	0.18	0.36	0.1	0.11	0.51
<i>Pheidole sp 16</i>	0.05	0.03	0.5	0.14	0.52	0.49	0.73	0.56	0.1	0.08	0.16	0.33	0.12	0.13	0.54
<i>Pheidole sp 16</i>	0.05	0.05	0.48	0.15	0.51	0.47	0.65	0.51	0.1	0.08	0.17	0.34	0.13	0.13	0.54
<i>Pheidole sp 17</i>	0.13	0.1	0.44	0.19	0.52	0.76	0.68	0.73	0.15	0.13	0.18	0.38	0.14	0.13	0.59
<i>Pheidole sp 17</i>	0.15	0.11	0.43	0.18	0.49	0.86	0.8	0.86	0.15	0.12	0.19	0.32	0.11	0.15	0.6
<i>Pheidole sp 17</i>	0.21	0.16	0.55	0.28	0.61	1.47	1.31	1.67	0.17	0.14	0.3	0.5	0.17	0.19	0.75
<i>Pheidole sp 19</i>	0.11	0.08	0.46	0.15	0.5	0.63	0.71	0.7	0.15	0.1	0.21	0.35	0.12	0.16	0.51
<i>Pheidole sp 19</i>	0.11	0.09	0.48	0.17	0.51	0.66	0.71	0.71	0.17	0.11	0.23	0.39	0.12	0.14	0.53
<i>Pheidole sp 19</i>	0.11	0.08	0.48	0.17	0.53	0.66	0.72	0.68	0.17	0.13	0.2	0.35	0.13	0.15	0.53
<i>Pheidole sp 19</i>	0.11	0.07	0.48	0.16	0.52	0.63	0.73	0.67	0.15	0.1	0.22	0.36	0.12	0.16	0.55
<i>Pheidole sp 20</i>	0.09	0.05	0.32	0.09	0.37	0.27	0.41	0.28	0.1	0.09	0.11	0.2	0.08	0.07	0.37
<i>Pheidole sp 20</i>	0.09	0.05	0.38	0.1	0.43	0.42	0.49	0.43	0.11	0.08	0.14	0.28	0.09	0.09	0.42
<i>Pheidole sp 20</i>	0.1	0.06	0.35	0.1	0.39	0.6	0.53	0.53	0.1	0.07	0.11	0.25	0.09	0.1	0.44
<i>Pheidole sp 20</i>	0.09	0.07	0.38	0.1	0.43	0.61	0.59	0.56	0.12	0.09	0.14	0.27	0.1	0.13	0.46
<i>Pheidole sp 20</i>	0.11	0.09	0.49	0.15	0.52	0.77	0.73	0.82	0.12	0.09	0.2	0.4	0.16	0.15	0.56
<i>Pheidole sp 23</i>	0.13	0.09	0.38	0.14	0.44	0.75	0.79	0.8	0.14	0.1	0.15	0.32	0.1	0.14	0.49
<i>Pheidole sp 23</i>	0.1	0.09	0.43	0.17	0.49	0.68	0.63	0.69	0.13	0.09	0.16	0.3	0.1	0.15	0.54
<i>Pheidole sp 23</i>	0.11	0.08	0.41	0.12	0.48	0.68	0.67	0.7	0.13	0.09	0.16	0.33	0.11	0.16	0.56
<i>Pheidole sp 23</i>	0.12	0.09	0.44	0.17	0.51	0.7	0.72	0.71	0.13	0.1	0.17	0.33	0.12	0.15	0.56
<i>Pheidole sp 23</i>	0.14	0.11	0.49	0.2	0.59	0.84	0.79	0.87	0.15	0.09	0.18	0.36	0.12	0.15	0.64
<i>Pheidole sp 24</i>	0.09	0.07	0.41	0.12	0.45	0.65	0.63	0.71	0.11	0.07	0.17	0.29	0.09	0.12	0.4
<i>Pheidole sp 24</i>	0.1	0.07	0.4	0.13	0.45	0.71	0.65	0.71	0.12	0.07	0.14	0.29	0.1	0.14	0.43
<i>Pheidole sp 24</i>	0.08	0.06	0.36	0.13	0.39	0.56	0.55	0.59	0.1	0.07	0.12	0.23	0.08	0.1	0.44
<i>Pheidole sp 24</i>	0.1	0.07	0.39	0.12	0.44	0.6	0.59	0.67	0.1	0.07	0.13	0.3	0.11	0.12	0.44
<i>Pheidole sp 24</i>	0.1	0.07	0.41	0.14	0.45	0.63	0.67	0.72	0.11	0.08	0.17	0.29	0.08	0.15	0.5
<i>Pheidole sp 25</i>	0.15	0.11	0.46	0.17	0.54	0.87	0.82	0.91	0.14	0.09	0.17	0.37	0.13	0.15	0.57

<i>Pheidole sp 25</i>	0.14	0.11	0.47	0.24	0.55	0.92	0.86	0.93	0.15	0.11	0.2	0.41	0.13	0.14	0.59
<i>Pheidole sp 26</i>	0.09	0.05	0.35	0.08	0.4	0.34	0.45	0.39	0.1	0.06	0.1	0.26	0.08	0.1	0.37
<i>Pheidole sp 26</i>	0.09	0.06	0.35	0.11	0.4	0.53	0.54	0.56	0.1	0.06	0.14	0.26	0.08	0.1	0.45
<i>Pheidole sp 26</i>	0.14	0.1	0.39	0.16	0.47	0.88	0.82	0.93	0.12	0.1	0.17	0.34	0.11	0.14	0.51
<i>Pheidole sp 26</i>	0.13	0.1	0.39	0.16	0.48	0.65	0.68	0.68	0.13	0.11	0.17	0.28	0.12	0.14	0.53
<i>Pheidole sp 27</i>	0.13	0.09	0.41	0.15	0.48	0.72	0.68	0.72	0.11	0.08	0.16	0.31	0.1	0.14	0.5
<i>Pheidole sp 27</i>	0.13	0.09	0.41	0.14	0.48	0.68	0.7	0.74	0.12	0.09	0.15	0.32	0.09	0.16	0.52
<i>Pheidole sp 27</i>	0.15	0.11	0.42	0.17	0.48	0.81	0.76	0.86	0.16	0.11	0.18	0.32	0.1	0.14	0.56
<i>Pheidole sp 27</i>	0.15	0.11	0.46	0.17	0.51	0.89	0.83	0.91	0.18	0.13	0.19	0.35	0.13	0.17	0.56
<i>Pheidole sp 27</i>	0.12	0.09	0.53	0.16	0.56	0.76	0.82	0.7	0.14	0.09	0.18	0.45	0.15	0.16	0.63
<i>Pheidole sp 27</i>	0.15	0.12	0.48	0.19	0.55	0.9	0.85	0.99	0.17	0.13	0.2	0.38	0.14	0.18	0.64
<i>Pheidole sp 28</i>	0.1	0.08	0.48	0.16	0.52	0.74	0.76	0.78	0.12	0.08	0.16	0.4	0.13	0.14	0.53
<i>Pheidole sp 28</i>	0.11	0.08	0.48	0.15	0.54	0.84	0.82	0.85	0.13	0.09	0.13	0.41	0.14	0.15	0.53
<i>Pheidole sp 28</i>	0.11	0.09	0.45	0.16	0.5	0.82	0.76	0.85	0.12	0.09	0.14	0.4	0.14	0.16	0.57
<i>Pheidole sp 28</i>	0.12	0.09	0.52	0.15	0.56	0.83	0.83	0.87	0.14	0.09	0.18	0.45	0.16	0.15	0.59
<i>Pheidole sp 28</i>	0.11	0.08	0.51	0.17	0.55	0.83	0.83	0.86	0.13	0.08	0.17	0.45	0.15	0.15	0.63
<i>Pheidole sp 29</i>	0.1	0.07	0.54	0.17	0.58	0.81	0.87	0.9	0.14	0.09	0.15	0.44	0.15	0.14	0.62
<i>Pheidole sp 29</i>	0.14	0.09	0.54	0.15	0.58	0.84	0.86	0.96	0.14	0.09	0.2	0.43	0.16	0.17	0.62
<i>Pheidole sp 29</i>	0.12	0.1	0.52	0.17	0.57	0.82	0.87	0.94	0.13	0.09	0.15	0.39	0.15	0.15	0.63
<i>Pheidole sp 30</i>	0.17	0.13	0.53	0.22	0.58	0.93	0.94	1.07	0.15	0.08	0.19	0.41	0.15	0.17	0.65
<i>Pheidole sp 31</i>	0.12	0.09	0.44	0.18	0.5	0.69	0.7	0.7	0.13	0.08	0.14	0.33	0.1	0.14	0.53
<i>Pheidole sp 31</i>	0.14	0.1	0.39	0.14	0.46	0.81	0.74	0.79	0.14	0.09	0.16	0.3	0.11	0.15	0.56
<i>Pheidole sp 31</i>	0.12	0.1	0.46	0.18	0.52	0.72	0.7	0.7	0.13	0.1	0.15	0.33	0.11	0.14	0.58
<i>Pheidole sp 31</i>	0.15	0.12	0.48	0.2	0.59	0.95	0.89	0.98	0.13	0.09	0.16	0.38	0.13	0.17	0.63
<i>Pheidole sp 32</i>	0.07	0.05	0.3	0.07	0.33	0.3	0.4	0.28	0.08	0.05	0.09	0.2	0.07	0.06	0.34
<i>Pheidole sp 32</i>	0.08	0.04	0.3	0.06	0.35	0.29	0.4	0.3	0.08	0.06	0.08	0.21	0.07	0.09	0.35
<i>Pheidole sp 32</i>	0.1	0.05	0.38	0.09	0.41	0.45	0.53	0.45	0.1	0.06	0.11	0.28	0.08	0.08	0.44
<i>Pheidole sp 32</i>	0.09	0.07	0.46	0.13	0.49	0.61	0.69	0.65	0.11	0.07	0.12	0.39	0.1	0.11	0.52

<i>Pheidole sp 34</i>	0.16	0.14	0.39	0.14	0.48	0.93	0.92	0.99	0.15	0.11	0.16	0.33	0.11	0.15	0.56
<i>Pheidole sp 34</i>	0.17	0.13	0.38	0.13	0.49	0.95	0.89	1	0.15	0.11	0.2	0.36	0.13	0.18	0.58
<i>Pheidole sp 36</i>	0.13	0.09	0.36	0.15	0.42	0.73	0.76	0.76	0.13	0.1	0.12	0.29	0.09	0.13	0.45
<i>Pheidole sp 36</i>	0.12	0.1	0.37	0.14	0.44	0.68	0.71	0.71	0.11	0.09	0.14	0.29	0.11	0.11	0.5
<i>Pheidole sp 37</i>	0.13	0.11	0.41	0.15	0.49	0.7	0.72	0.69	0.14	0.12	0.16	0.31	0.12	0.15	0.54
<i>Pheidole sp 37</i>	0.15	0.1	0.42	0.15	0.49	0.72	0.72	0.7	0.14	0.12	0.18	0.32	0.11	0.15	0.57
<i>Pheidole sp 37</i>	0.15	0.12	0.43	0.19	0.5	1.02	0.93	1.06	0.13	0.1	0.21	0.36	0.11	0.16	0.57
<i>Pheidole sp 38</i>	0.14	0.09	0.72	0.17	0.75	0.65	0.95	0.87	0.21	0.15	0.27	0.48	0.18	0.18	0.67
<i>Pheidole sp 38</i>	0.15	0.09	0.71	0.15	0.74	0.68	0.93	0.9	0.21	0.14	0.32	0.5	0.19	0.16	0.71
<i>Pheidole sp 41</i>	0.18	0.14	0.65	0.26	0.7	1.16	1.22	1.26	0.19	0.14	0.31	0.48	0.21	0.22	0.78
<i>Pheidole sp 41</i>	0.17	0.14	0.57	0.23	0.65	1.05	1.13	1.2	0.17	0.14	0.25	0.47	0.14	0.18	0.79
<i>Pheidole sp 43</i>	0.15	0.12	0.55	0.23	0.62	0.92	0.93	1	0.16	0.12	0.24	0.45	0.15	0.19	0.68
<i>Pheidole sp 43</i>	0.14	0.11	0.52	0.22	0.59	0.89	0.88	0.98	0.16	0.11	0.21	0.41	0.11	0.17	0.74
<i>Pheidole sp 44</i>	0.08	0.06	0.36	0.11	0.39	0.46	0.51	0.45	0.09	0.06	0.1	0.28	0.1	0.09	0.44
<i>Pheidole sp 44</i>	0.13	0.09	0.37	0.15	0.41	0.77	0.74	0.83	0.12	0.07	0.15	0.28	0.1	0.12	0.55
<i>Pheidole sp 44</i>	0.14	0.1	0.39	0.13	0.44	0.85	0.81	0.78	0.14	0.1	0.16	0.32	0.11	0.14	0.58
<i>Pheidole sp 45</i>	0.14	0.09	0.38	0.18	0.48	0.94	0.83	1.04	0.11	0.09	0.18	0.35	0.11	0.14	0.57
<i>Pheidole sp 45</i>	0.14	0.1	0.39	0.15	0.47	0.93	0.83	0.96	0.14	0.09	0.17	0.35	0.11	0.14	0.57
<i>Pheidole sp 45</i>	0.14	0.11	0.46	0.2	0.52	1.02	0.94	1.08	0.13	0.1	0.21	0.39	0.13	0.17	0.61
<i>Pheidole sp 46</i>	0.12	0.08	0.36	0.13	0.41	0.68	0.66	0.67	0.11	0.09	0.13	0.3	0.09	0.14	0.48
<i>Pheidole sp 46</i>	0.13	0.1	0.36	0.14	0.44	0.79	0.72	0.77	0.13	0.09	0.15	0.31	0.1	0.14	0.53
<i>Pheidole sp 46</i>	0.14	0.11	0.37	0.13	0.45	0.76	0.74	0.74	0.11	0.1	0.13	0.31	0.08	0.13	0.54
<i>Pheidole sp 47</i>	0.08	0.05	0.3	0.05	0.34	0.28	0.37	0.27	0.07	0.05	0.08	0.19	0.06	0.09	0.34
<i>Pheidole sp 47</i>	0.09	0.04	0.32	0.05	0.36	0.31	0.41	0.31	0.08	0.06	0.1	0.2	0.06	0.09	0.36
<i>Pheidole sp 47</i>	0.08	0.04	0.32	0.07	0.35	0.29	0.41	0.32	0.08	0.07	0.09	0.2	0.07	0.08	0.37
<i>Pheidole sp 48</i>	0.09	0.06	0.46	0.09	0.5	0.47	0.57	0.51	0.13	0.09	0.13	0.3	0.1	0.13	0.45
<i>Pheidole sp 48</i>	0.09	0.05	0.41	0.11	0.45	0.44	0.54	0.47	0.12	0.07	0.13	0.27	0.11	0.12	0.45
<i>Pheidole sp 49</i>	0.13	0.09	0.36	0.13	0.42	0.71	0.68	0.71	0.11	0.08	0.14	0.3	0.1	0.13	0.44

<i>Pheidole sp 49</i>	0.13	0.1	0.36	0.12	0.45	0.75	0.73	0.79	0.12	0.1	0.14	0.32	0.1	0.14	0.5
<i>Pheidole sp 49</i>	0.12	0.09	0.36	0.14	0.44	0.73	0.73	0.78	0.12	0.09	0.17	0.33	0.11	0.13	0.5
<i>Pheidole sp 49</i>	0.12	0.1	0.35	0.13	0.42	0.75	0.7	0.76	0.12	0.08	0.15	0.3	0.1	0.12	0.51
<i>Pheidole sp 49</i>	0.12	0.1	0.39	0.14	0.45	0.78	0.76	0.8	0.14	0.1	0.18	0.34	0.1	0.13	0.54
<i>Pheidole sp 51</i>	0.13	0.11	0.43	0.13	0.48	0.73	0.68	0.76	0.12	0.1	0.15	0.32	0.11	0.14	0.51
<i>Pheidole sp 51</i>	0.13	0.1	0.41	0.15	0.46	0.7	0.64	0.71	0.12	0.09	0.16	0.3	0.1	0.12	0.54
<i>Pheidole sp 51</i>	0.12	0.09	0.46	0.17	0.51	0.79	0.74	0.88	0.13	0.09	0.19	0.33	0.13	0.13	0.56
<i>Pheidole sp 51</i>	0.14	0.11	0.46	0.18	0.51	0.82	0.88	0.91	0.16	0.12	0.21	0.33	0.12	0.14	0.62
<i>Pheidole sp 51</i>	0.15	0.11	0.55	0.22	0.63	0.94	0.99	1.07	0.18	0.11	0.21	0.46	0.15	0.16	0.73
<i>Pheidole sp 52</i>	0.09	0.08	0.41	0.14	0.45	0.41	0.58	0.46	0.12	0.07	0.15	0.29	0.11	0.12	0.47
<i>Pheidole sp 52</i>	0.1	0.09	0.45	0.15	0.49	0.46	0.58	0.47	0.12	0.11	0.16	0.32	0.13	0.12	0.48
<i>Pheidole sp 52</i>	0.11	0.08	0.45	0.14	0.49	0.44	0.61	0.48	0.14	0.08	0.18	0.32	0.11	0.13	0.5
<i>Pheidole sp 52</i>	0.1	0.08	0.48	0.14	0.52	0.46	0.61	0.55	0.14	0.09	0.18	0.33	0.11	0.13	0.52
<i>Pheidole sp 53</i>	0.15	0.12	0.44	0.17	0.5	0.86	0.79	0.88	0.16	0.09	0.19	0.33	0.12	0.14	0.6
<i>Pheidole sp 53</i>	0.13	0.11	0.52	0.19	0.59	0.84	0.83	0.91	0.15	0.11	0.15	0.42	0.15	0.14	0.66
<i>Pheidole sp 53</i>	0.14	0.11	0.49	0.2	0.57	0.92	0.83	0.96	0.13	0.09	0.21	0.36	0.13	0.15	0.67
<i>Pheidole sp 54</i>	0.08	0.05	0.31	0.05	0.35	0.3	0.39	0.3	0.07	0.05	0.09	0.21	0.06	0.09	0.34
<i>Pheidole sp 54</i>	0.07	0.05	0.3	0.06	0.34	0.29	0.39	0.29	0.08	0.05	0.09	0.21	0.07	0.08	0.35
<i>Pheidole sp 54</i>	0.09	0.05	0.32	0.05	0.35	0.32	0.42	0.32	0.08	0.06	0.09	0.21	0.98	0.09	0.35
<i>Pheidole sp 55</i>	0.07	0.04	0.3	0.05	0.34	0.24	0.36	0.23	0.09	0.06	0.1	0.18	0.06	0.09	0.32
<i>Pheidole sp 55</i>	0.07	0.05	0.31	0.06	0.36	0.25	0.36	0.26	0.09	0.07	0.09	0.18	0.07	0.08	0.35
<i>Pheidole sp 55</i>	0.09	0.05	0.33	0.08	0.37	0.34	0.46	0.35	0.09	0.07	0.1	0.22	0.08	0.09	0.37
<i>Pheidole sp 55</i>	0.08	0.05	0.31	0.06	0.35	0.33	0.44	0.32	0.1	0.05	0.1	0.21	0.07	0.09	0.38
<i>Pheidole sp 55</i>	0.08	0.05	0.34	0.06	0.36	0.34	0.46	0.37	0.09	0.06	0.11	0.22	0.07	0.1	0.38
<i>Pheidole sp 56</i>	0.05	0.03	0.48	0.13	0.5	0.47	0.66	0.51	0.1	0.06	0.14	0.35	0.12	0.1	0.45
<i>Pheidole sp 56</i>	0.08	0.06	0.54	0.15	0.56	0.64	0.75	0.61	0.11	0.09	0.17	0.41	0.14	0.11	0.5
<i>Pheidole sp 56</i>	0.08	0.05	0.54	0.12	0.55	0.63	0.71	0.63	0.11	0.09	0.14	0.41	0.15	0.1	0.51
<i>Pheidole sp 57</i>	0.12	0.12	0.49	0.22	0.58	0.7	0.78	0.74	0.14	0.1	0.17	0.37	0.13	0.12	0.51



<i>Pheidole sp 57</i>	0.14	0.12	0.48	0.2	0.57	0.7	0.73	0.69	0.13	0.11	0.12	0.33	0.09	0.16	0.56
<i>Pheidole sp 57</i>	0.14	0.11	0.49	0.18	0.55	0.73	0.73	0.75	0.14	0.1	0.17	0.27	0.12	0.12	0.58
<i>Pheidole sp 57</i>	0.14	0.11	0.47	0.19	0.55	0.77	0.73	0.79	0.13	0.1	0.17	0.31	0.1	0.13	0.6
<i>Pheidole sp 58</i>	0.09	0.06	0.42	0.13	0.44	0.44	0.61	0.47	0.12	0.08	0.13	0.27	0.1	0.12	0.44
<i>Pheidole sp 59</i>	0.13	0.1	0.4	0.16	0.46	0.86	0.77	0.83	0.12	0.09	0.15	0.35	0.1	0.14	0.58
<i>Pheidole sp 60</i>	0.09	0.08	0.39	0.12	0.42	0.45	0.56	0.44	0.11	0.07	0.12	0.29	0.1	0.1	0.43
<i>Pheidole sp 60</i>	0.1	0.07	0.39	0.13	0.44	0.46	0.6	0.49	0.11	0.07	0.15	0.31	0.1	0.12	0.48
<i>Pheidole sp 60</i>	0.14	0.11	0.38	0.13	0.44	0.78	0.72	0.8	0.13	0.1	0.16	0.31	0.1	0.13	0.5
<i>Pheidole sp 60</i>	0.07	0.05	0.53	0.14	0.57	0.59	0.71	0.62	0.11	0.09	0.17	0.41	0.13	0.13	0.54
<i>Pheidole sp 60</i>	0.11	0.07	0.52	0.15	0.55	0.68	0.81	0.73	0.13	0.08	0.16	0.41	0.12	0.13	0.56
<i>Pheidole sp 61</i>	0.14	0.11	0.52	0.2	0.54	1	0.88	0.99	0.13	0.1	0.19	0.36	0.12	0.16	0.65
<i>Pheidole sp 61</i>	0.15	0.11	0.49	0.2	0.56	0.97	0.88	0.99	0.14	0.09	0.18	0.36	0.09	0.15	0.66
<i>Pheidole sp 61</i>	0.15	0.12	0.5	0.22	0.58	1.1	0.9	1.05	0.15	0.11	0.21	0.4	0.12	0.15	0.68
<i>Pheidole sp 62</i>	0.12	0.09	0.59	0.15	0.61	0.6	0.73	0.69	0.16	0.11	0.26	0.39	0.15	0.14	0.55
<i>Pheidole sp 62</i>	0.13	0.09	0.55	0.15	0.59	0.55	0.65	0.6	0.15	0.09	0.22	0.37	0.14	0.14	0.56
<i>Pheidole sp 62</i>	0.11	0.08	0.47	0.16	0.52	0.5	0.68	0.59	0.15	0.09	0.19	0.33	0.12	0.13	0.57
<i>Pheidole sp 63</i>	0.16	0.11	0.42	0.17	0.5	0.9	0.83	0.9	0.13	0.11	0.22	0.37	0.11	0.14	0.61
<i>Pheidole sp 63</i>	0.18	0.14	0.61	0.25	0.69	1.09	1.15	1.27	0.17	0.12	0.25	0.49	0.19	0.17	0.84
<i>Pheidole sp 63</i>	0.2	0.16	0.66	0.27	0.74	1.15	1.29	1.36	0.19	0.14	0.28	0.56	0.2	0.17	0.89
<i>Pheidole sp 64</i>	0.08	0.05	0.35	0.1	0.39	0.38	0.44	0.39	0.09	0.06	0.13	0.24	0.09	0.1	0.42
<i>Pheidole sp 64</i>	0.07	0.05	0.41	0.12	0.45	0.36	0.52	0.39	0.1	0.07	0.11	0.3	0.1	0.11	0.46
<i>Pheidole sp 64</i>	0.08	0.05	0.41	0.11	0.47	0.41	0.53	0.4	0.11	0.06	0.12	0.31	0.1	0.13	0.47
<i>Pheidole sp 70</i>	0.13	0.11	0.39	0.17	0.45	0.8	0.76	0.79	0.13	0.1	0.16	0.32	0.13	0.13	0.54
<i>Pheidole sp 70</i>	0.14	0.1	0.4	0.15	0.44	0.76	0.76	0.84	0.15	0.11	0.16	0.33	0.1	0.14	0.57
<i>Pheidole sp 70</i>	0.16	0.12	0.39	0.16	0.48	0.85	0.85	0.82	0.13	0.09	0.18	0.32	0.1	0.16	0.58
<i>Pheidole sp 70</i>	0.15	0.12	0.4	0.16	0.49	0.9	0.85	0.96	0.13	0.09	0.19	0.36	0.11	0.14	0.6
<i>Pheidole sp 70</i>	0.13	0.1	0.44	0.2	0.52	0.98	0.84	0.98	0.13	0.09	0.19	0.36	0.11	0.15	0.61
<i>Pheidole sp 71</i>	0.12	0.11	0.38	0.17	0.46	0.83	0.75	0.81	0.12	0.07	0.18	0.32	0.1	0.14	0.5

<i>Pheidole sp 71</i>	0.14	0.11	0.37	0.16	0.45	0.79	0.76	0.85	0.12	0.08	0.2	0.32	0.12	0.13	0.54
<i>Pheidole sp 71</i>	0.17	0.12	0.38	0.14	0.46	0.89	0.86	1	0.15	0.1	0.11	0.35	0.12	0.16	0.6
<i>Pheidole sp 71</i>	0.1	0.08	0.51	0.16	0.55	0.76	0.86	0.88	0.13	0.1	0.16	0.45	0.17	0.17	0.61
<i>Pheidole sp 73</i>	0.17	0.14	0.68	0.3	0.75	1.11	1.26	1.34	0.21	0.14	0.28	0.53	0.23	0.22	0.87
<i>Pheidole sp 75</i>	0.07	0.05	0.31	0.07	0.34	0.27	0.35	0.26	0.1	0.08	0.09	0.18	0.06	0.08	0.36
<i>Pheidole sp 75</i>	0.08	0.06	0.35	0.07	0.39	0.32	0.45	0.39	0.1	0.07	0.11	0.2	0.07	0.1	0.39
<i>Pheidole sp 75</i>	0.08	0.05	0.56	0.14	0.6	0.53	0.79	0.61	0.14	0.09	0.19	0.43	0.14	0.12	0.58
<i>Pheidole sp 75</i>	0.1	0.07	0.58	0.12	0.63	0.33	0.63	0.41	0.14	0.11	0.17	0.36	0.16	0.12	0.67
<i>Pheidole sp 75</i>	0.09	0.07	0.58	0.13	0.65	0.32	0.63	0.44	0.14	0.11	0.18	0.35	0.2	0.14	0.7
<i>Pheidole sp 76</i>	0.08	0.05	0.32	0.08	0.36	0.3	0.42	0.3	0.09	0.06	0.09	0.22	0.06	0.06	0.38
<i>Pheidole sp 76</i>	0.07	0.05	0.32	0.07	0.35	0.34	0.44	0.31	0.09	0.06	0.1	0.22	0.07	0.08	0.38
<i>Pheidole sp 76</i>	0.06	0.04	0.35	0.09	0.38	0.32	0.39	0.3	0.1	0.06	0.1	0.21	0.07	0.09	0.39
<i>Pheidole sp 76</i>	0.1	0.07	0.52	0.11	0.6	0.31	0.58	0.4	0.14	0.11	0.11	0.31	0.17	0.12	0.55
<i>Pheidole sp 78</i>	0.14	0.12	0.4	0.14	0.48	0.87	0.8	0.84	0.14	0.09	0.18	0.34	0.1	0.15	0.55
<i>Pheidole sp 78</i>	0.15	0.11	0.41	0.15	0.49	0.9	0.83	0.91	0.14	0.1	0.2	0.3	0.11	0.15	0.62
<i>Pheidole sp 78</i>	0.15	0.11	0.57	0.23	0.63	0.99	1.12	1.19	0.19	0.15	0.27	0.48	0.15	0.19	0.78
<i>Pheidole sp 78</i>	0.16	0.13	0.59	0.29	0.67	1.12	1.16	1.24	0.18	0.14	0.23	0.5	0.16	0.2	0.79
<i>Pheidole sp 79</i>	0.08	0.05	0.42	0.13	0.46	0.46	0.51	0.41	0.09	0.06	0.13	0.29	0.09	0.09	0.46
<i>Pheidole sp 87</i>	0.09	0.05	0.38	0.11	0.41	0.62	0.61	0.67	0.1	0.06	0.15	0.25	0.1	0.11	0.46
<i>Pheidole sp 87</i>	0.09	0.07	0.4	0.13	0.44	0.64	0.66	0.68	0.11	0.08	0.14	0.29	0.1	0.12	0.46
<i>Pheidole sp 87</i>	0.11	0.08	0.38	0.11	0.42	0.65	0.63	0.69	0.11	0.07	0.16	0.27	0.09	0.14	0.49
<i>Pheidole sp 87</i>	0.1	0.09	0.45	0.19	0.5	0.74	0.69	0.85	0.14	0.11	0.17	0.34	0.12	0.14	0.55
<i>Pheidole sp 87</i>	0.13	0.1	0.36	0.17	0.42	1.14	0.92	1.25	0.13	0.08	0.18	0.34	0.1	0.18	0.56
<i>Pheidole sp 90</i>	0.19	0.14	0.52	0.24	0.56	1.44	1.26	1.62	0.17	0.12	0.28	0.48	0.17	0.2	0.74
<i>Pheidole sp 91</i>	0.08	0.04	0.32	0.06	0.34	0.3	0.42	0.29	0.08	0.06	0.1	0.2	0.07	0.09	0.36
<i>Pheidole sp 91</i>	0.07	0.04	0.35	0.08	0.39	0.33	0.44	0.33	0.07	0.06	0.09	0.25	0.08	0.08	0.38
<i>Pheidole sp 91</i>	0.06	0.04	0.33	0.08	0.38	0.33	0.45	0.34	0.1	0.07	0.12	0.22	0.08	0.08	0.39
<i>Pheidole sp 92</i>	0.06	0.04	0.37	0.09	0.41	0.37	0.47	0.37	0.1	0.07	0.1	0.21	0.09	0.1	0.39

<i>Pheidole sp 92</i>	0.06	0.05	0.36	0.07	0.4	0.32	0.45	0.37	0.11	0.07	0.08	0.23	0.07	0.07	0.4
<i>Pheidole sp 95</i>	0.12	0.1	0.38	0.14	0.44	0.74	0.71	0.72	0.13	0.09	0.14	0.29	0.1	0.15	0.52
<i>Pheidole sp 95</i>	0.13	0.09	0.37	0.14	0.44	0.73	0.73	0.77	0.12	0.09	0.16	0.3	0.1	0.15	0.55
<i>Pheidole sp 95</i>	0.13	0.09	0.38	0.14	0.46	0.8	0.75	0.8	0.13	0.1	0.14	0.31	0.11	0.12	0.56
<i>Pheidole sp 96</i>	0.09	0.05	0.39	0.06	0.43	0.37	0.51	0.41	0.11	0.08	0.12	0.26	0.08	0.08	0.43
<i>Pheidole sp 96</i>	0.08	0.06	0.4	0.08	0.44	0.37	0.5	0.41	0.11	0.07	0.11	0.21	0.09	0.11	0.45
<i>Pheidole sp 97</i>	0.14	0.08	0.76	0.23	0.79	0.71	1.03	1.03	0.23	0.16	0.34	0.51	0.16	0.17	0.68
<i>Pheidole sp 97</i>	0.14	0.09	0.71	0.18	0.77	0.73	0.95	1.02	0.2	0.13	0.34	0.52	0.15	0.18	0.69
<i>Pheidole sp 98</i>	0.16	0.11	0.47	0.17	0.54	0.85	0.84	0.94	0.14	0.1	0.16	0.35	0.12	0.16	0.63
<i>Pheidole sp 98</i>	0.16	0.1	0.45	0.15	0.53	0.81	0.84	0.92	0.14	0.09	0.18	0.34	0.1	0.12	0.64
<i>Pheidole sp 98</i>	0.14	0.12	0.48	0.17	0.57	0.9	0.88	0.9	0.13	0.09	0.17	0.38	0.14	0.14	0.65
<i>Pheidole nova 1</i>	0.07	0.04	0.35	0.09	0.39	0.38	0.44	0.37	0.1	0.06	0.11	0.25	0.07	0.1	0.4
<i>Pheidole nova 14</i>	0.04	0.03	0.48	0.12	0.5	0.46	0.64	0.51	0.09	0.06	0.16	0.32	0.12	0.08	0.5
<i>Pheidole nova 15</i>	0.14	0.1	0.57	0.21	0.66	1.02	1.03	1.2	0.13	0.09	0.21	0.46	0.16	0.19	0.75
<i>Pheidole nova 15</i>	0.15	0.09	0.63	0.26	0.7	1.09	1.16	1.24	0.15	0.09	0.2	0.51	0.21	0.22	0.81
<i>Pheidole nova 18</i>	0.08	0.06	0.36	0.12	0.39	0.6	0.54	0.6	0.1	0.06	0.13	0.25	0.07	0.09	0.41
<i>Pheidole nova 19</i>	0.07	0.04	0.28	0.04	0.33	0.27	0.38	0.29	0.08	0.06	0.09	0.21	0.08	0.05	0.3
<i>Pheidole nova 22</i>	0.1	0.07	0.42	0.13	0.46	0.67	0.65	0.73	0.11	0.07	0.14	0.31	0.1	0.13	0.49
<i>Pheidole nova 22</i>	0.12	0.1	0.43	0.17	0.48	0.76	0.75	0.78	0.12	0.09	0.15	0.33	0.11	0.17	0.54
<i>Pheidole nova 22</i>	0.13	0.1	0.39	0.15	0.45	0.7	0.72	0.71	0.12	0.09	0.16	0.29	0.1	0.15	0.55
<i>Pheidole nova 23</i>	0.13	0.1	0.59	0.2	0.64	1.15	1.13	1.2	0.15	0.11	0.2	0.5	0.2	0.19	0.71
<i>Pheidole nova 27</i>	0.12	0.08	0.34	0.15	0.42	0.8	0.72	0.81	0.09	0.07	0.17	0.29	0.08	0.11	0.48
<i>Pheidole nova 3</i>	0.12	0.1	0.38	0.15	0.44	0.9	0.8	0.96	0.1	0.07	0.18	0.32	0.11	0.13	0.49
<i>Pheidole nova 3</i>	0.12	0.09	0.36	0.15	0.43	0.87	0.76	0.95	0.09	0.07	0.16	0.32	0.1	0.13	0.52
<i>Pheidole nova 8</i>	0.07	0.04	0.31	0.32	0.35	0.06	0.41	0.33	0.09	0.05	0.1	0.07	0.06	0.07	0.36
<i>Pheidole tortuolosa</i>	0.11	0.08	0.62	0.16	0.64	0.58	0.8	0.7	0.18	0.1	0.31	0.39	0.15	0.16	0.59
<i>Pheidole tortuolosa</i>	0.13	0.08	0.66	0.17	0.7	0.58	0.81	0.79	0.18	0.12	0.27	0.41	0.15	0.15	0.62
<i>Pheidole tortuolosa</i>	0.12	0.09	0.6	0.18	0.66	0.57	0.82	0.77	0.17	0.12	0.29	0.41	0.12	0.14	0.63

<i>Pheidole tortuolosa</i>	0.13	0.09	0.75	0.2	0.8	0.77	1.02	1.04	0.23	0.13	0.38	0.52	0.18	0.21	0.74
<i>Pheidole vorax</i>	0.15	0.11	0.85	0.24	0.9	1.12	1.45	1.45	0.19	0.13	0.22	0.73	0.22	0.25	0.88
<i>Pheidole vorax</i>	0.17	0.12	0.94	0.29	1.02	1.22	1.64	1.67	0.22	0.16	0.29	0.82	0.23	0.25	0.98
<i>Pheidole vorax</i>	0.16	0.13	0.93	0.29	0.97	1.18	1.53	1.56	0.22	0.16	0.27	0.77	0.21	0.23	0.99
<i>Pheidole vorax</i>	0.17	0.12	0.94	0.3	1	1.23	1.61	1.67	0.2	0.18	0.3	0.69	0.24	0.23	1.03
<i>Pogonomyrmex naegelia</i>	0.25	0.18	1.1	0.27	1.2	0.92	1.32	1.23	0.41	0.31	0.5	0.69	0.3	0.36	1.06
<i>Pogonomyrmex naegelia</i>	0.27	0.18	1.05	0.42	1.19	0.9	1.31	1.19	0.36	0.28	0.54	0.65	0.3	0.26	1.19
<i>Pogonomyrmex naegelia</i>	0.26	0.18	1.08	0.4	1.21	0.86	1.34	1.18	0.39	0.3	0.56	0.66	0.3	0.27	1.21
<i>Pogonomyrmex naegelia</i>	0.23	0.18	1.06	0.4	1.21	0.88	1.36	1.16	0.39	0.31	0.56	0.72	0.3	0.26	1.22
<i>Pogonomyrmex naegelia</i>	0.27	0.18	1.08	0.39	1.22	0.89	1.45	1.13	0.4	0.31	0.6	0.65	0.28	0.22	1.24
<i>Pogonomyrmex naegelia</i>	0.26	0.18	1.09	0.33	1.23	0.87	1.41	1.16	0.39	0.31	0.61	0.75	0.3	0.27	1.25
<i>Prionopelta modesta</i>	0.02	0.02	0.38	0.23	0.4	0.24	0.55	0.26	0.17	0.21	0.1	0.19	0.04	0.06	0.45
<i>Prionopelta modesta</i>	0.02	0.02	0.37	0.23	0.4	0.24	0.54	0.26	0.2	0.2	0.09	0.22	0.05	0.07	0.45
<i>Prionopelta modesta</i>	0.01	0.01	0.36	0.22	0.4	0.24	0.52	0.26	0.17	0.19	0.12	0.22	0.04	0.07	0.46
<i>Prionopelta modesta</i>	0.03	0.02	0.44	0.27	0.48	0.31	0.68	0.33	0.18	0.24	0.13	0.26	0.05	0.1	0.53
<i>Prionopelta punctulata</i>	0.01	0.01	0.35	0.22	0.37	0.24	0.47	0.23	0.17	0.19	0.11	0.2	0.05	0.06	0.42
<i>Prionopelta punctulata</i>	0.02	0.01	0.36	0.22	0.38	0.22	0.55	0.25	0.15	0.2	0.12	0.2	0.05	0.05	0.43
<i>Prionopelta punctulata</i>	0.03	0.02	0.36	0.22	0.38	0.25	0.53	0.24	0.13	0.19	0.13	0.19	0.05	0.08	0.45
<i>Prionopelta punctulata</i>	0.02	0.02	0.36	0.23	0.38	0.25	0.54	0.25	0.15	0.21	0.13	0.21	0.06	0.08	0.45
<i>Prionopelta punctulata</i>	0.01	0.01	0.36	0.22	0.38	0.26	0.52	NA	0.16	0.2	0.12	0.23	0.05	0.09	0.46
<i>Prionopelta punctulata</i>	0.01	0.01	0.38	0.23	0.4	0.26	0.59	0.31	0.16	0.21	0.11	0.23	0.06	0.1	0.47
<i>Rasopone arhuaca</i>	0.05	0.05	0.76	0.11	0.86	0.7	1.31	0.76	0.57	0.42	0.27	0.6	0.21	0.12	0.93
<i>Rasopone arhuaca</i>	0.07	0.07	0.85	0.15	0.96	0.75	1.54	0.74	0.59	0.57	0.23	0.68	0.25	0.18	0.95
<i>Rasopone arhuaca</i>	0.16	0.1	0.98	0.17	1.09	0.89	1.66	1.14	0.78	0.71	0.4	0.86	0.27	0.24	1.1
<i>Rasopone arhuaca</i>	0.16	0.12	0.96	0.14	1.09	0.93	1.75	1.12	0.78	0.68	0.38	0.84	0.36	0.23	1.14
<i>Rasopone arhuaca</i>	0.17	0.12	1	0.13	1.17	0.96	1.8	1.16	0.77	0.72	0.4	0.82	0.27	0.17	1.28
<i>Rasopone arhuaca</i>	0.17	0.13	1	0.15	1.12	1	1.7	1.07	0.81	0.7	0.41	0.78	0.28	0.14	1.29
<i>Rasopone lunaris</i>	0.13	0.11	0.94	0.13	1.05	0.8	1.57	0.87	0.77	0.72	0.43	0.69	0.31	0.15	1.15

<i>Rogeria alzatei</i>	0.07	0.05	0.42	0.13	0.48	0.33	0.56	0.4	0.17	0.13	0.21	0.26	0.08	0.09	0.53
<i>Rogeria alzatei</i>	0.09	0.07	0.45	0.06	0.49	0.31	0.58	0.42	0.18	0.14	0.22	0.26	0.11	0.07	0.54
<i>Rogeria alzatei</i>	0.08	0.05	0.45	0.14	0.49	0.35	0.6	0.41	0.18	0.13	0.21	0.28	0.12	0.08	0.54
<i>Rogeria alzatei</i>	0.08	0.06	0.43	0.11	0.49	0.35	0.59	0.4	0.18	0.12	0.18	0.26	0.11	0.07	0.55
<i>Rogeria alzatei</i>	0.17	0.12	0.53	0.22	0.66	0.49	0.87	0.6	0.19	0.21	0.33	0.32	0.09	0.15	0.76
<i>Rogeria cornuta</i>	0.07	0.06	0.55	0.17	0.63	0.48	0.8	0.59	0.23	0.17	0.33	0.36	0.13	0.14	0.69
<i>Rogeria cornuta</i>	0.08	0.07	0.56	0.18	0.62	0.43	0.77	0.52	0.22	0.17	0.33	0.36	0.15	0.12	0.69
<i>Rogeria cornuta</i>	0.07	0.06	0.56	0.13	0.63	0.52	0.77	0.57	0.24	0.16	0.3	0.34	0.16	0.13	0.69
<i>Rogeria cornuta</i>	0.07	0.06	0.56	0.19	0.64	0.49	0.78	0.55	0.24	0.18	0.35	0.32	0.15	0.13	0.73
<i>Rogeria cornuta</i>	0.07	0.07	0.57	0.18	0.65	0.48	0.79	0.59	0.25	0.19	0.34	0.31	0.14	0.15	0.76
<i>Rogeria foreli</i>	0.09	0.06	0.45	0.12	0.51	0.38	0.63	0.43	0.2	0.15	0.17	0.27	0.1	0.12	0.57
<i>Rogeria leptonana</i>	0.06	0.04	0.39	0.11	0.44	0.35	0.52	0.37	0.17	0.13	0.16	0.29	0.13	0.09	0.45
<i>Rogeria sp 01</i>	0.08	0.07	0.48	0.12	0.55	0.41	0.65	0.48	0.18	0.15	0.23	0.28	0.13	0.09	0.62
<i>Sericomyrmex sp 01</i>	0.15	0.11	0.63	0.1	0.79	0.54	0.99	0.69	0.2	0.23	0.17	0.43	0.16	0.16	0.7
<i>Sericomyrmex sp 01</i>	0.15	0.11	0.76	0.13	0.94	0.68	1.15	0.95	0.25	0.25	0.2	0.56	0.2	0.2	0.8
<i>Sericomyrmex sp 01</i>	0.16	0.13	0.82	0.14	1.01	0.7	1.3	1.06	0.28	0.25	0.22	0.57	0.22	0.25	0.8
<i>Sericomyrmex sp 01</i>	0.17	0.14	0.82	0.13	1.07	0.72	1.32	1.09	0.23	0.29	0.22	0.5	0.23	0.22	0.83
<i>Sericomyrmex sp 01</i>	0.2	0.15	1.03	0.15	1.24	0.89	1.51	1.4	0.26	0.31	0.24	0.73	0.27	0.25	0.96
<i>Sericomyrmex sp 01</i>	0.21	0.17	1.17	0.15	1.45	0.95	1.6	1.52	0.31	0.31	0.25	0.83	0.3	0.28	1.12
<i>Sericomyrmex sp 05</i>	0.15	0.1	0.78	0.17	0.96	0.69	1.17	1.12	0.23	0.24	0.22	0.56	0.2	0.21	0.78
<i>Sericomyrmex sp 05</i>	0.14	0.11	0.8	0.14	0.97	0.69	1.19	1.1	0.25	0.22	0.2	0.59	0.21	0.25	0.8
<i>Sericomyrmex sp 05</i>	0.16	0.13	0.95	0.16	1.16	0.82	1.38	1.29	0.28	0.3	0.27	0.65	0.25	0.24	0.87
<i>Solenopsis brevicornis</i>	0.04	0.03	0.27	0.09	0.3	0.19	0.36	0.19	0.13	0.11	0.1	0.14	0.04	0.08	0.37
<i>Solenopsis brevicornis</i>	0.04	0.03	0.27	0.08	0.3	0.19	0.35	0.19	0.14	0.11	0.1	0.15	0.04	0.07	0.37
<i>Solenopsis brevicornis</i>	0.04	0.03	0.3	0.09	0.34	0.2	0.41	0.22	0.13	0.12	0.12	0.15	0.04	0.07	0.38
<i>Solenopsis brevicornis</i>	0.03	0.02	0.28	0.1	0.33	0.19	0.38	0.21	0.14	0.1	0.1	0.16	0.04	0.08	0.39
<i>Solenopsis castor</i>	0.09	0.06	0.3	0.07	0.35	0.29	0.4	0.3	0.11	0.06	0.08	0.21	0.05	0.08	0.37
<i>Solenopsis castor</i>	0.05	0.04	0.35	0.1	0.39	0.27	0.49	0.33	0.15	0.11	0.14	0.2	0.05	0.07	0.42

<i>Solenopsis castor</i>	0.03	0.02	0.32	0.1	0.35	0.31	0.45	0.32	0.16	0.11	0.11	0.22	0.05	0.07	0.42
<i>Solenopsis castor</i>	0.05	0.03	0.36	0.11	0.39	0.3	0.49	0.32	0.14	0.11	0.12	0.19	0.05	0.08	0.46
<i>Solenopsis clytemnestra</i>	0.03	0.03	0.26	0.06	0.29	0.18	0.35	0.18	0.12	0.09	0.1	0.17	0.04	0.05	0.32
<i>Solenopsis clytemnestra</i>	0.03	0.03	0.26	0.06	0.3	0.18	0.38	0.19	0.13	0.1	0.11	0.15	0.03	0.11	0.34
<i>Solenopsis clytemnestra</i>	0.04	0.03	0.27	0.07	0.31	0.18	0.43	0.22	0.14	0.11	0.09	0.13	0.04	0.1	0.36
<i>Solenopsis clytemnestra</i>	0.04	0.04	0.35	0.07	0.39	0.34	0.5	0.37	0.15	0.13	0.1	0.2	0.06	0.05	0.41
<i>Solenopsis clytemnestra</i>	0.11	0.08	0.47	0.13	0.54	0.44	0.75	0.55	0.21	0.17	0.22	0.31	0.09	0.06	0.61
<i>Solenopsis geminata</i>	0.11	0.08	0.59	0.13	0.68	0.6	0.9	0.8	0.23	0.23	0.24	0.38	0.08	0.19	0.68
<i>Solenopsis geminata</i>	0.12	0.09	0.66	0.21	0.71	0.66	1.03	0.8	0.29	0.27	0.31	0.41	0.09	0.14	0.79
<i>Solenopsis geminata</i>	0.13	0.1	0.61	0.18	0.69	0.64	1.03	0.85	0.28	0.24	0.28	0.41	0.11	0.19	0.8
<i>Solenopsis geminata</i>	0.11	0.09	0.68	0.25	0.77	0.7	1.08	0.93	0.3	0.26	0.32	0.4	0.1	0.24	0.88
<i>Solenopsis geminata</i>	0.14	0.09	0.7	0.2	0.78	0.76	1.11	0.96	0.29	0.28	0.35	0.44	0.11	0.23	0.91
<i>Solenopsis saevissima</i>	0.04	0.03	0.27	0.08	0.3	0.22	0.37	0.23	0.12	0.08	0.1	0.16	0.03	0.05	0.39
<i>Solenopsis saevissima</i>	0.04	0.03	0.32	0.09	0.34	0.26	0.46	0.27	0.15	0.11	0.12	0.2	0.04	0.08	0.41
<i>Solenopsis saevissima</i>	0.04	0.03	0.33	0.1	0.35	0.28	0.51	0.29	0.16	0.12	0.16	0.23	0.04	0.08	0.44
<i>Solenopsis saevissima</i>	0.04	0.04	0.41	0.17	0.43	0.29	0.52	0.3	0.19	0.13	0.17	0.22	0.05	0.11	0.49
<i>Solenopsis saevissima</i>	0.08	0.05	0.51	0.18	0.55	0.38	0.49	0.32	0.2	0.15	0.18	0.28	0.07	0.11	0.62
<i>Solenopsis sp 06</i>	0.04	0.03	0.25	0.06	0.29	0.18	0.33	0.18	0.11	0.08	0.1	0.15	0.03	0.05	0.33
<i>Solenopsis sp 06</i>	0.04	0.03	0.35	0.11	0.39	0.33	0.51	0.35	0.17	0.13	0.14	0.2	0.04	0.1	0.45
<i>Solenopsis sp 06</i>	0.05	0.04	0.37	0.13	0.41	0.28	0.5	0.31	0.2	0.14	0.16	0.21	0.06	0.1	0.48
<i>Solenopsis sp 06</i>	0.11	0.07	0.46	0.16	0.54	0.48	0.72	0.55	0.21	0.16	0.25	0.31	0.09	0.13	0.64
<i>Solenopsis sp 09</i>	0.03	0.03	0.23	0.07	0.26	0.17	0.3	0.15	0.11	0.08	0.08	0.13	0.03	0.06	0.29
<i>Solenopsis sp 09</i>	0.04	0.03	0.26	0.08	0.29	0.19	0.34	0.19	0.12	0.08	0.1	0.15	0.02	0.08	0.34
<i>Solenopsis sp 09</i>	0.03	0.03	0.23	0.07	0.26	0.16	0.34	0.15	0.12	0.09	0.09	0.13	0.04	0.04	0.34
<i>Solenopsis sp 09</i>	0.04	0.03	0.28	0.08	0.31	0.17	0.37	0.19	0.12	0.11	0.1	0.15	0.04	0.1	0.34
<i>Solenopsis sp 11</i>	0.03	0.02	0.24	0.05	0.26	0.21	0.33	0.21	0.11	0.07	0.09	0.16	0.04	0.04	0.29
<i>Solenopsis sp 11</i>	0.03	0.02	0.25	0.06	0.27	0.19	0.33	0.19	0.1	0.07	0.07	0.16	0.04	0.06	0.31
<i>Solenopsis sp 11</i>	NA	NA	NA	NA	NA	NA	0.33	0.23	0.11	0.07	0.11	NA	NA	NA	NA

<i>Solenopsis sp 17</i>	0.03	0.03	0.25	0.06	0.27	0.17	0.34	0.19	0.12	0.1	0.11	0.13	0.04	0.1	0.32
<i>Solenopsis sp 17</i>	0.03	0.03	0.25	0.08	0.27	0.18	0.32	0.17	0.11	0.08	0.11	0.15	0.04	0.05	0.34
<i>Solenopsis sp 17</i>	0.03	0.03	0.27	0.09	0.3	0.23	0.37	0.2	0.11	0.08	0.12	0.18	0.04	0.06	0.36
<i>Solenopsis sp 17</i>	0.02	0.02	0.26	0.08	0.29	0.22	0.38	0.23	0.11	0.08	0.11	0.16	0.04	0.09	0.36
<i>Solenopsis sp 18</i>	0.04	0.03	0.3	0.09	0.34	0.28	0.44	0.32	0.13	0.11	0.11	0.19	0.04	0.08	0.4
<i>Strumigenys appreciata</i>	0.04	0.03	0.23	0.15	0.36	0.16	0.35	0.24	0.11	0.12	0.12	0.11	0.06	0.13	0.37
<i>Strumigenys appreciata</i>	0.03	0.03	0.24	0.16	0.39	0.18	0.37	0.24	0.1	0.11	0.16	0.13	0.05	0.12	0.4
<i>Strumigenys appreciata</i>	0.04	0.03	0.24	0.16	0.39	0.17	0.41	0.24	0.12	0.11	0.15	0.11	0.06	0.12	0.41
<i>Strumigenys beebei</i>	0.05	0.05	0.25	0.18	0.33	0.22	0.49	0.3	0.12	0.12	0.21	0.13	0.08	0.13	0.49
<i>Strumigenys beebei</i>	0.07	0.06	0.26	0.16	0.36	0.25	0.56	0.28	0.12	0.13	0.22	0.12	0.06	0.11	0.52
<i>Strumigenys beebei</i>	0.07	0.05	0.24	0.18	0.35	0.24	0.53	0.34	0.12	0.11	0.21	0.14	0.08	0.13	0.52
<i>Strumigenys beebei</i>	0.07	0.05	0.34	0.14	0.42	0.23	0.56	0.34	0.12	0.12	0.25	0.15	0.07	0.09	0.54
<i>Strumigenys beebei</i>	0.06	0.05	0.26	0.16	0.36	0.2	0.54	0.34	0.12	0.11	0.21	0.13	0.08	0.14	0.54
<i>Strumigenys cincinnata</i>	0.03	0.03	0.2	0.17	0.25	0.18	0.42	0.27	0.09	0.09	0.17	0.14	0.04	0.15	0.41
<i>Strumigenys cincinnata</i>	0.03	0.02	0.2	0.17	0.24	0.18	0.44	0.28	0.11	0.1	0.18	0.14	0.03	0.13	0.43
<i>Strumigenys cincinnata</i>	0.03	0.03	0.19	0.17	0.23	0.2	0.44	0.3	0.11	0.1	0.17	0.13	0.03	0.13	0.45
<i>Strumigenys cincinnata</i>	0.04	0.03	0.2	0.16	0.26	0.23	0.51	0.34	0.13	0.13	0.19	0.2	0.03	0.14	0.48
<i>Strumigenys cosmostela</i>	0.04	0.03	0.34	0.21	0.37	0.3	0.59	0.37	0.19	0.2	0.2	0.31	0.06	0.12	0.46
<i>Strumigenys cosmostela</i>	0.03	0.03	0.32	0.27	0.37	0.25	0.56	0.36	NA	NA	NA	0.29	0.06	0.14	0.48
<i>Strumigenys denticulata</i>	0.04	0.03	0.22	0.17	0.26	0.23	0.42	0.26	0.09	0.09	0.1	0.31	0.03	0.13	0.36
<i>Strumigenys denticulata</i>	0.04	0.03	0.26	0.17	0.29	0.25	0.42	0.27	0.09	0.08	0.12	0.34	0.03	0.12	0.37
<i>Strumigenys denticulata</i>	0.04	0.03	0.24	0.19	0.28	0.22	0.42	0.26	0.1	0.08	0.1	0.34	0.03	0.11	0.37
<i>Strumigenys denticulata</i>	0.03	0.03	0.25	0.17	0.28	0.25	0.42	0.27	0.1	0.08	0.12	0.35	0.03	0.11	0.39
<i>Strumigenys denticulata</i>	0.03	0.03	0.22	0.19	0.27	0.27	0.4	0.27	0.09	0.08	0.11	0.36	0.03	0.09	0.39
<i>Strumigenys denticulata</i>	0.04	0.03	0.26	0.2	0.29	0.28	0.45	0.3	0.1	0.09	0.13	0.4	0.04	0.17	0.41
<i>Strumigenys elongata</i>	0.04	0.03	0.26	0.25	0.32	0.41	0.52	0.43	0.11	0.09	0.18	0.35	0.04	0.1	0.46
<i>Strumigenys elongata</i>	0.04	0.04	0.25	0.23	0.3	0.41	0.51	0.43	0.11	0.1	0.17	0.36	0.04	0.11	0.46
<i>Strumigenys elongata</i>	0.04	0.03	0.27	0.27	0.34	0.43	0.5	0.48	0.12	0.1	0.19	0.37	0.05	0.11	0.5

<i>Strumigenys elongata</i>	0.04	0.04	0.3	0.27	0.34	0.43	0.6	0.46	0.11	0.1	0.16	0.37	0.06	0.12	0.51
<i>Strumigenys infidelis</i>	0.07	0.05	0.3	0.18	0.36	0.25	0.49	0.37	0.12	0.1	0.18	0.28	0.06	0.12	0.43
<i>Strumigenys infidelis</i>	0.05	0.05	0.31	0.18	0.37	0.23	0.48	0.35	0.12	0.1	0.17	0.31	0.05	0.11	0.44
<i>Strumigenys infidelis</i>	0.06	0.05	0.3	0.23	0.35	0.24	0.51	0.39	0.12	0.11	0.17	0.3	0.06	0.13	0.45
<i>Strumigenys infidelis</i>	0.03	0.03	0.3	0.2	0.38	0.21	0.51	0.34	0.13	0.12	0.17	0.26	0.06	0.12	0.47
<i>Strumigenys inusitata</i>	0.06	0.04	0.32	0.16	0.34	0.22	0.52	0.31	0.11	0.12	0.2	0.11	0.06	0.13	0.53
<i>Strumigenys perparva</i>	0.03	0.03	0.25	0.22	0.28	0.21	0.32	0.24	0.1	0.08	0.11	0.2	0.03	0.09	0.32
<i>Strumigenys perparva</i>	0.03	0.03	0.23	0.2	0.3	0.2	0.36	0.25	0.1	0.08	0.13	0.2	0.03	0.08	0.33
<i>Strumigenys perparva</i>	0.02	0.02	0.24	0.2	0.29	0.2	0.35	0.25	0.1	0.08	0.08	0.2	0.04	0.1	0.34
<i>Strumigenys perparva</i>	0.03	0.02	0.21	0.19	0.26	0.23	0.36	0.29	0.1	0.07	0.12	0.22	0.04	0.1	0.35
<i>Strumigenys perparva</i>	0.03	0.02	0.22	0.2	0.25	0.22	0.34	0.26	0.1	0.07	0.1	0.2	0.04	0.09	0.35
<i>Strumigenys smithii</i>	0.07	0.06	0.32	0.28	0.42	0.4	0.63	0.51	0.16	0.14	0.24	0.35	0.06	0.19	0.54
<i>Strumigenys sp 01</i>	0.03	0.03	0.27	0.21	0.3	0.3	0.47	0.3	0.11	0.09	0.13	0.41	0.04	0.1	0.38
<i>Strumigenys sp 01</i>	0.03	0.03	0.25	0.18	0.28	0.27	0.45	0.3	0.1	0.09	0.11	0.39	0.04	0.1	0.4
<i>Strumigenys sp 02</i>	0.04	0.03	0.17	0.16	0.2	0.14	0.42	0.23	0.11	0.1	0.09	0.16	0.03	0.13	0.42
<i>Strumigenys sp 02</i>	0.03	0.02	0.18	0.17	0.22	0.16	0.42	0.24	0.1	0.1	0.1	0.18	0.03	0.12	0.43
<i>Strumigenys sp 02</i>	0.04	0.03	0.18	0.16	0.21	0.17	0.43	0.24	0.1	0.1	0.11	0.19	0.03	0.13	0.45
<i>Strumigenys sp 02</i>	0.04	0.03	0.18	0.16	0.22	0.17	0.42	0.24	0.11	0.11	0.09	0.18	0.03	0.13	0.45
<i>Strumigenys sp 08</i>	0.03	0.03	0.28	0.23	0.3	0.24	0.39	0.26	0.09	0.08	0.1	0.22	0.04	0.09	0.34
<i>Strumigenys sp 08</i>	0.03	0.03	0.23	0.18	0.27	0.25	0.39	0.25	0.1	0.08	0.12	0.22	0.03	0.09	0.35
<i>Strumigenys sp 08</i>	0.04	0.03	0.23	0.21	0.29	0.25	0.4	0.27	0.1	0.09	0.11	0.21	0.03	0.08	0.36
<i>Strumigenys sp 08</i>	0.03	0.03	0.24	0.19	0.27	0.24	0.4	0.26	0.1	0.08	0.11	0.21	0.03	0.09	0.37
<i>Strumigenys sp 09</i>	0.02	0.02	0.22	0.19	0.25	0.2	0.36	0.24	0.09	0.1	0.1	0.2	0.03	0.09	0.33
<i>Strumigenys stenotes</i>	0.05	0.03	0.19	0.19	0.24	0.19	0.49	0.29	0.11	0.12	0.12	0.16	0.04	0.16	0.48
<i>Strumigenys stenotes</i>	0.05	0.05	0.24	0.18	0.28	0.23	0.6	0.36	0.13	0.14	0.13	0.26	0.04	0.17	0.53
<i>Strumigenys stenotes</i>	0.05	0.04	0.23	0.18	0.29	0.22	0.59	0.35	0.13	0.13	0.14	0.26	0.04	0.2	0.56
<i>Strumigenys trinidadensis</i>	0.08	0.08	0.37	0.33	0.49	0.55	0.78	0.57	0.17	0.17	0.33	0.47	0.06	0.26	0.62
<i>Strumigenys trinidadensis</i>	0.1	0.07	0.4	0.32	0.5	0.57	0.82	0.68	0.17	0.18	0.3	0.53	0.07	0.15	0.66



<i>Strumigenys trinidadensis</i>	0.09	0.07	0.36	0.34	0.47	0.53	0.78	0.66	0.16	0.16	0.32	0.48	0.07	0.15	0.66
<i>Strumigenys trinidadensis</i>	0.1	0.08	0.41	0.33	0.52	0.59	0.86	0.65	0.2	0.17	0.37	0.52	0.07	0.17	0.67
<i>Strumigenys tridifera</i>	0.04	0.04	0.35	0.31	0.4	0.48	0.57	0.51	0.12	0.11	0.19	0.69	0.05	0.16	0.51
<i>Strumigenys tridifera</i>	0.05	0.04	0.31	0.31	0.35	0.48	0.65	0.49	0.13	0.12	0.18	0.74	0.05	0.16	0.55
<i>Strumigenys tridifera</i>	0.04	0.04	0.38	0.34	0.41	0.53	0.67	0.64	0.13	0.11	0.24	0.89	0.06	0.14	0.57
<i>Strumigenys tridifera</i>	0.03	0.03	0.38	0.33	0.43	0.53	0.66	0.55	0.12	0.12	0.27	0.82	0.06	0.17	0.59
<i>Strumigenys tridifera</i>	0.04	0.04	0.38	0.35	0.43	0.53	0.68	0.65	0.12	0.11	0.25	0.87	0.06	0.17	0.6
<i>Strumigenys tridifera</i>	0.04	0.04	0.38	0.37	0.42	0.54	0.72	0.67	0.12	0.1	0.26	0.89	0.06	0.16	0.61
<i>Strumigenys villiersi</i>	0.04	0.03	0.25	0.18	0.28	0.22	0.5	0.33	0.09	0.09	0.17	0.15	0.06	0.1	0.43
<i>Strumigenys villiersi</i>	0.04	0.04	0.27	0.21	0.29	0.19	0.53	0.32	0.1	0.1	0.16	0.13	0.05	0.12	0.44
<i>Strumigenys villiersi</i>	0.04	0.04	0.29	0.21	0.33	0.22	0.55	0.37	0.11	0.1	0.2	0.18	0.06	0.1	0.49
<i>Strumigenys zeteki</i>	0.03	0.03	0.19	0.17	0.23	0.16	0.43	0.25	0.09	0.11	0.12	0.17	0.04	0.11	0.4
<i>Strumigenys zeteki</i>	0.04	0.03	0.19	0.15	0.23	0.17	0.43	0.24	0.11	0.11	0.11	0.18	0.03	0.13	0.44
<i>Strumigenys zeteki</i>	0.04	0.03	0.19	0.19	0.24	0.17	0.42	0.25	0.1	0.11	0.11	0.19	0.03	0.13	0.44
<i>Strumigenys zeteki</i>	0.04	0.03	0.21	0.19	0.24	0.18	0.44	0.27	0.11	0.12	0.1	0.17	0.03	0.12	0.46
<i>Tapinoma sp 01</i>	0.17	0.11	0.27	0.11	0.43	0.5	0.56	0.68	0.07	0.08	0.1	0.24	0.08	0.1	0.44
<i>Tapinoma sp 01</i>	0.17	0.11	0.29	0.11	0.44	0.51	0.56	0.69	NA	0.09	NA	0.26	0.11	0.11	0.51
<i>Tapinoma sp 01</i>	0.14	0.1	0.29	0.12	0.44	0.52	0.59	0.75	0.08	0.05	0.11	0.28	0.07	0.1	0.52
<i>Tapinoma sp 01</i>	0.18	0.12	0.29	0.12	0.46	0.55	0.6	0.77	NA	0.1	NA	0.27	0.08	0.1	0.54
<i>Tapinoma sp 01</i>	0.19	0.13	0.35	0.16	0.57	0.68	0.71	0.95	NA	0.1	NA	0.33	0.1	0.15	0.6
<i>Thaumatomyrmex atrox</i>	0.22	0.17	0.59	0.15	0.74	0.59	1	0.7	0.56	0.68	0.35	0.81	0.07	0.14	0.62
<i>Trachymyrmex bugnioni</i>	0.12	0.09	0.5	0.14	0.6	0.52	0.81	0.75	0.14	0.17	0.1	0.4	0.12	0.15	0.57
<i>Trachymyrmex bugnioni</i>	0.13	0.1	0.53	0.16	0.65	0.54	0.88	0.78	0.14	0.16	0.12	0.4	0.13	0.15	0.57
<i>Trachymyrmex bugnioni</i>	0.13	0.1	0.56	0.19	0.67	0.63	0.95	0.81	0.15	0.19	0.13	0.41	0.12	0.17	0.65
<i>Trachymyrmex cornetzi</i>	0.12	0.09	0.51	0.13	0.63	0.6	0.83	0.8	0.14	0.17	0.09	0.41	0.11	0.16	0.59
<i>Trachymyrmex cornetzi</i>	0.13	0.1	0.56	0.15	0.68	0.65	0.93	0.81	0.15	0.17	0.13	0.45	0.13	0.18	0.59
<i>Trachymyrmex cornetzi</i>	0.13	0.1	0.56	0.15	0.67	0.68	0.95	0.9	0.19	0.17	0.12	0.46	0.13	0.16	0.62
<i>Trachymyrmex cornetzi</i>	0.13	0.09	0.54	0.14	0.69	0.6	0.94	0.79	0.16	0.16	0.13	0.38	0.12	0.16	0.66

<i>Trachymyrmex cornetzi</i>	0.14	0.09	0.56	0.15	0.69	0.58	0.89	0.75	0.14	0.17	0.11	0.45	0.11	0.16	0.68
<i>Trachymyrmex cornetzi</i>	0.15	0.12	0.65	0.18	0.75	0.77	1.07	1.05	0.17	0.18	0.15	0.47	0.15	0.2	0.71
<i>Trachymyrmex diversus</i>	0.16	0.11	0.82	0.21	0.98	0.89	1.38	1.27	0.22	0.23	0.2	0.63	0.2	0.33	0.9
<i>Trachymyrmex diversus</i>	0.21	0.17	1.07	0.36	1.25	1.07	1.56	1.5	0.29	0.32	0.26	0.77	0.27	0.26	0.97
<i>Trachymyrmex diversus</i>	0.2	0.14	1.03	0.27	1.19	1.1	1.43	1.63	0.25	0.27	0.21	0.72	0.27	0.25	0.99
<i>Trachymyrmex diversus</i>	0.18	0.13	1.04	0.29	1.2	1.16	1.44	1.65	0.25	0.27	0.21	0.77	0.27	0.28	1.01
<i>Trachymyrmex farinosus</i>	0.2	0.13	0.94	0.27	1.12	0.84	1.59	1.33	0.3	0.34	0.25	0.74	0.2	0.32	0.95
<i>Trachymyrmex farinosus</i>	0.21	0.14	0.9	0.28	1.09	0.83	1.48	1.36	0.25	0.36	0.24	0.74	0.18	0.24	0.98
<i>Trachymyrmex farinosus</i>	0.21	0.16	0.93	0.26	1.15	0.82	1.63	1.56	0.31	0.3	0.3	0.75	0.19	0.29	0.99
<i>Trachymyrmex farinosus</i>	0.19	0.13	1.01	0.25	1.2	0.88	1.61	1.51	0.28	0.31	0.27	0.74	0.22	0.28	1.01
<i>Trachymyrmex farinosus</i>	0.23	0.17	1.04	0.33	1.24	0.96	1.78	1.76	0.29	0.33	0.37	0.7	0.24	0.29	1.12
<i>Trachymyrmex isthmicus</i>	0.21	0.16	1.05	0.28	1.26	0.97	1.76	1.79	0.26	0.23	0.24	0.87	0.25	0.32	1.01
<i>Trachymyrmex isthmicus</i>	0.24	0.15	1.1	0.29	1.28	0.93	1.76	1.63	0.32	0.31	0.4	0.87	0.26	0.38	1.15
<i>Trachymyrmex mandibulares</i>	0.22	0.16	1.14	0.36	1.35	1.12	1.51	1.79	0.23	0.2	0.27	0.79	0.31	0.31	1.03
<i>Trachymyrmex opulentus</i>	0.17	0.13	0.76	0.22	0.93	0.76	1.35	1.23	0.22	0.23	0.25	0.63	0.17	0.21	0.82
<i>Trachymyrmex opulentus</i>	0.18	0.13	0.78	0.23	0.94	0.76	1.36	1.25	0.23	0.24	0.27	0.57	0.18	0.19	0.82
<i>Trachymyrmex opulentus</i>	0.2	0.13	0.89	0.24	1.07	0.97	1.64	1.47	0.28	0.25	0.3	0.63	0.23	0.25	0.89
<i>Trachymyrmex opulentus</i>	0.18	0.14	0.8	0.22	0.98	0.89	1.58	1.54	0.3	0.24	0.3	0.71	0.17	0.25	0.94
<i>Trachymyrmex opulentus</i>	0.22	0.16	0.94	0.28	1.15	1.01	1.72	1.67	0.38	0.29	0.31	0.81	0.21	0.27	1.01
<i>Trachymyrmex ruthae</i>	0.21	0.17	0.92	0.28	1.09	0.81	1.53	1.44	0.27	0.27	0.31	0.76	0.26	0.29	1.04
<i>Trachymyrmex ruthae</i>	0.28	0.15	1.09	0.28	1.33	0.94	1.77	1.64	0.3	0.31	0.34	0.85	0.29	0.2	1.18
<i>Trachymyrmex sp 01</i>	0.19	0.15	0.85	0.25	1.03	0.93	1.53	1.45	0.25	0.3	0.32	0.67	0.21	0.29	1
<i>Trachymyrmex sp 01</i>	0.28	0.19	1.58	0.28	1.88	0.98	2.07	1.94	0.34	0.42	0.37	1.1	0.39	0.37	1.38
<i>Trachymyrmex sp 01</i>	0.27	0.21	1.61	0.39	1.87	1.12	2.08	1.74	0.38	0.47	0.33	1.1	0.39	0.37	1.47
<i>Trachymyrmex sp 01</i>	0.28	0.18	1.62	0.38	1.86	1.05	1.95	2	0.38	0.49	0.31	0.94	0.4	0.34	1.5
<i>Trachymyrmex sp 01</i>	0.31	0.24	1.57	0.36	1.86	1.02	2.06	1.99	0.38	0.56	0.36	1.1	0.45	0.37	1.86
<i>Trachymyrmex sp 02</i>	0.17	0.14	1.07	0.3	1.26	1.19	1.38	1.6	0.24	0.22	0.22	0.74	0.32	0.26	0.96
<i>Trachymyrmex sp 03</i>	0.13	0.1	0.59	0.19	0.72	0.63	0.99	0.86	0.15	0.18	0.11	0.43	0.16	0.16	0.68

<i>Trachymyrmex sp 04</i>	0.2	0.17	1.08	0.34	1.31	1.2	1.5	1.68	0.21	0.2	0.23	0.78	0.33	0.31	1
<i>Trachymyrmex sp 04</i>	0.2	0.14	0.86	0.19	1.05	0.97	1.56	1.47	0.26	0.29	0.27	0.77	0.24	0.32	0.94
<i>Trachymyrmex sp 04</i>	0.26	0.15	1.21	0.3	1.44	1.05	1.97	2.02	0.34	0.31	0.33	0.86	0.31	0.45	1.24
<i>Trachymyrmex sp 04</i>	0.24	0.17	1.24	0.36	1.45	1.07	1.99	2.1	0.34	0.3	0.35	0.87	0.3	0.37	1.26
<i>Trachymyrmex sp 05</i>	0.17	0.13	0.72	0.21	0.84	0.79	1.29	1.21	0.21	0.2	0.22	0.54	0.17	0.25	0.82
<i>Trachymyrmex sp 05</i>	0.21	0.14	1.1	0.35	1.31	1.31	1.58	1.77	0.24	0.28	0.2	0.83	0.29	0.35	0.97
<i>Trachymyrmex sp 05</i>	0.2	0.15	1.02	0.39	1.17	1.1	1.55	1.63	0.26	0.26	0.17	0.71	0.25	0.29	1.03
<i>Trachymyrmex sp 05</i>	0.2	0.16	1.04	0.38	1.19	1.05	1.53	1.56	0.23	0.27	0.22	0.64	0.26	0.28	1.03
<i>Trachymyrmex sp 05</i>	0.22	0.16	1.12	0.36	1.31	1.2	1.53	1.73	0.22	0.29	0.23	0.8	0.3	0.32	1.07
<i>Trachymyrmex sp 06</i>	0.18	0.11	0.78	0.22	0.86	0.84	1.33	1.28	0.18	0.19	0.28	0.6	0.16	0.27	0.79
<i>Trachymyrmex sp 06</i>	0.17	0.11	0.77	0.22	0.89	0.76	1.35	1.25	0.23	0.21	0.31	0.65	0.18	0.29	0.83
<i>Trachymyrmex sp 07</i>	0.15	0.13	0.71	0.22	0.83	0.85	1.15	1.33	0.2	0.19	0.23	0.57	0.18	0.26	0.79
<i>Trachymyrmex sp 07</i>	0.18	0.15	0.79	0.24	0.92	0.91	1.33	1.38	0.24	0.22	0.27	0.69	0.16	0.23	0.84
<i>Trachymyrmex sp 07</i>	0.19	0.14	0.87	0.22	1	0.7	1.45	1.3	0.27	0.28	0.23	0.7	0.2	0.29	0.84
<i>Trachymyrmex sp 07</i>	0.18	0.14	0.78	0.26	0.9	0.75	1.34	1.25	0.22	0.23	0.29	0.6	0.16	0.27	0.85
<i>Trachymyrmex sp 07</i>	0.17	0.13	0.73	0.2	0.89	0.74	1.41	1.23	0.2	0.23	0.23	0.5	0.16	0.22	0.86
<i>Trachymyrmex sp 07</i>	0.2	0.15	0.84	0.21	1.02	0.92	1.47	1.32	0.23	0.29	0.33	0.71	0.2	0.28	0.89
<i>Trachymyrmex sp 08</i>	0.13	0.11	0.56	0.19	0.69	0.7	0.91	0.85	0.15	0.16	0.12	0.45	0.14	0.2	0.65
<i>Trachymyrmex sp 08</i>	0.16	0.11	0.63	0.21	0.73	0.78	1.11	1.09	0.18	0.17	0.18	0.5	0.15	0.22	0.68
<i>Trachymyrmex sp 08</i>	0.15	0.11	0.64	0.22	0.74	0.74	1.05	1.04	0.22	0.16	0.14	0.5	0.12	0.29	0.7
<i>Trachymyrmex sp 08</i>	0.16	0.12	0.81	0.22	0.96	0.89	1.32	1.2	0.22	0.24	0.16	0.65	0.19	0.2	0.79
<i>Tranopelta gilva</i>	0.09	0.08	0.68	0.28	0.75	0.46	0.85	0.54	0.25	0.23	0.25	0.39	0.16	0.21	0.78
<i>Wasmannia auropunctata</i>	0.09	0.06	0.33	0.1	0.38	0.36	0.41	0.36	0.16	0.09	0.17	0.2	0.08	0.11	0.42
<i>Wasmannia auropunctata</i>	0.09	0.06	0.36	0.11	0.42	0.37	0.45	0.4	0.17	0.08	0.16	0.18	0.06	0.11	0.44
<i>Wasmannia auropunctata</i>	0.1	0.07	0.34	0.11	0.42	0.38	0.47	0.4	0.17	0.11	0.17	0.21	0.06	0.11	0.45
<i>Wasmannia auropunctata</i>	0.1	0.07	0.37	0.11	0.42	0.4	0.48	0.45	0.17	0.11	0.19	0.22	0.08	0.11	0.46
<i>Wasmannia auropunctata</i>	0.1	0.06	0.35	0.07	0.41	0.4	0.46	0.42	0.17	0.1	0.16	0.21	0.09	0.17	0.46
<i>Wasmannia auropunctata</i>	0.11	0.07	0.35	0.08	0.42	0.39	0.46	0.41	0.17	0.1	0.19	0.22	0.08	0.15	0.47

<i>Wasmannia iheringi</i>	0.11	0.08	0.37	0.1	0.45	0.39	0.54	0.42	0.17	0.1	0.17	0.22	0.08	0.12	0.46
<i>Wasmannia rochai</i>	0.09	0.05	0.34	0.11	0.41	0.32	0.42	0.32	0.14	0.09	0.12	0.18	0.08	0.13	0.41
<i>Wasmannia rochai</i>	0.1	0.06	0.35	0.1	0.42	NA	0.42	0.32	0.13	0.1	0.11	0.18	0.08	0.12	0.43
<i>Wasmannia scrobifera</i>	0.11	0.08	0.34	0.08	0.44	0.3	0.48	0.32	0.18	0.14	0.18	0.21	0.08	0.09	0.4
<i>Wasmannia scrobifera</i>	0.12	0.08	0.34	0.07	0.44	0.31	0.45	0.3	0.17	0.12	0.15	0.2	0.07	0.1	0.45
<i>Wasmannia scrobifera</i>	0.12	0.08	0.34	0.08	0.44	0.29	0.46	0.32	0.17	0.13	0.15	0.19	0.08	0.09	0.45
<i>Wasmannia scrobifera</i>	0.12	0.08	0.38	0.08	0.45	0.31	0.45	0.28	0.17	0.11	0.13	0.17	0.08	0.09	0.46
<i>Wasmannia scrobifera</i>	0.12	0.08	0.36	0.08	0.46	0.32	0.49	0.35	0.18	0.12	0.14	0.19	0.07	0.1	0.47

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