



# Nesting stratum and habitat affinity matter in ant assemblage response to forest-pasture shifting

## Supplemental File

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**Supplemental File 1.** List of ant species collected in forests and pastures habitats in Senador Guiomard, Acre, Southwestern Brazilian Amazon. In each habitat, ants were sampled in soil surface and subterranean. 1 - presence of the ant species and 0 - absence of the ant species.

Taxa	Forest soil surface	Forest subterranean	Pasture soil surface	Pasture subterranean
<b>DORYLINAЕ</b>				
<i>Acanthostichus</i> sp.1	1	1	0	0
<i>Cylindromyrmex</i> sp.1	1	0	1	0
<i>Labidus praedator</i> Smith	1	1	0	0
<i>Labidus</i> sp.1	1	1	0	0
<i>Labidus</i> sp.2	1	0	0	0
<i>Labidus</i> sp.3	0	1	1	1
<b>DOLICHODERINAЕ</b>				
<i>Azteca</i> sp.4	1	0	0	0
<i>Dolichoderus bidens</i> Linnaeus	1	0	0	0
<i>Dolichoderus bispinosus</i> Olivier	1	1	0	0
<i>Dolichoderus septemspinosus</i> Emery	1	0	0	0
<i>Dorymyrmex brunneus</i> Forel	1	0	1	0
<i>Gracilidris pombero</i> Wild & Cuzzo	0	0	1	0
<i>Linepithema neotropicum</i> Wild	1	1	0	0
<b>ECTAOMMINAЕ</b>				
<i>Ectatomma brunneum</i> Smith	1	0	1	1
<i>Ectatomma edentatum</i> Roger	1	0	0	0
<i>Ectatomma tuberculatum</i> Olivier	0	0	1	0
<i>Ectatomma</i> sp.1	1	0	0	0
<i>Gnamptogenys regularis</i> Mayr	0	0	1	0
<b>FORMICINAЕ</b>				
<i>Acropyga goeldii</i> Forel	0	0	1	1
<i>Brachymyrmex</i> sp.1	0	0	1	1
<i>Camponotus ager</i> Smith	1	0	0	0
<i>Camponotus blandus</i> Smith	1	0	1	0
<i>Camponotus cacticus</i> Emery	1	0	0	0
<i>Camponotus crassus</i> Mayr	1	0	1	0
<i>Camponotus depressus</i> Mayr	1	0	0	0
<i>Camponotus leydigii</i> Forel	0	0	1	0
<i>Camponotus novogranadensis</i> Emery	1	1	1	1
<i>Camponotus personatus</i> Mayr	1	1	1	1
<i>Camponotus</i> sp.6	1	1	0	0
<i>Camponotus</i> sp.7	1	0	0	0

To be continue...

## Supplemental File 1. (Continued)

Taxa	Forest soil surface	Forest subterranean	Pasture soil surface	Pasture subterranean
<i>Camponotus</i> sp.17	1	0	0	0
<i>Camponotus</i> sp.18	0	1	0	0
<i>Camponotus</i> sp.19	1	0	1	0
<i>Camponotus</i> sp.20	1	0	0	0
<i>Camponotus</i> sp.21	1	0	0	0
<i>Camponotus</i> sp.22	1	0	0	0
<i>Camponotus</i> sp.23	1	0	1	0
<i>Camponotus</i> sp.24	0	0	1	0
<i>Camponotus</i> sp.25	0	0	1	0
<i>Nylanderia</i> sp.2	1	0	0	0
<i>Nylanderia</i> sp.3	1	1	0	0
<i>Paratrechina</i> sp.1	0	0	0	1
<b>MYRMICINAE</b>				
<i>Acromyrmex coronatus</i> Fabricius	1	0	0	0
<i>Apterostigma auriculatum</i> Wheeler	1	0	0	0
<i>Apterostigma</i> sp.1	1	0	0	0
<i>Apterostigma</i> sp.2	1	0	0	0
<i>Atta sexdens</i> Linnaeus	1	0	1	1
<i>Carebara</i> sp.1	0	1	0	0
<i>Carebara</i> sp.2	0	1	0	0
<i>Carebara</i> sp.3	0	1	0	0
<i>Carebara</i> sp.4	0	0	0	1
<i>Carebara</i> sp.5	0	0	0	1
<i>Crematogaster tenuicula</i> Forel	1	0	0	0
<i>Crematogaster</i> sp.1	0	0	1	1
<i>Crematogaster</i> sp.2	1	0	0	0
<i>Crematogaster</i> sp.3	1	0	0	0
<i>Crematogaster</i> sp.4	0	0	1	0
<i>Crematogaster</i> sp.5	1	0	0	0
<i>Crematogaster</i> sp.6	0	0	1	0
<i>Cyphomyrmex laevigatus</i> Weber	1	0	0	0
<i>Cyphomyrmex minutus</i> Mayr	1	0	0	0
<i>Cyphomyrmex rimosus</i> Spinola	0	0	1	1
<i>Cyphomyrmex</i> sp.1	1	0	0	0
<i>Megalomyrmex ayri</i> Brandão	1	0	0	0
<i>Megalomyrmex</i> sp.1	1	1	0	0
<i>Mycocepurus smithii</i> Forel	1	0	0	0
<i>Mycocepurus</i> sp.1	1	0	0	0
<i>Myrmicocrypta</i> sp.1	1	0	0	0
<i>Myrmicocrypta</i> sp.2	1	0	0	0
<i>Ochetomyrmex neopolitus</i> Fernández	1	0	0	0
<i>Pheidole capillata</i> Emery	1	1	1	1
<i>Pheidole fimbriata</i> Roger	1	1	0	1
<i>Pheidole radoszkowskii</i> Mayr	0	0	1	0
<i>Pheidole subarmata</i> Mayr	1	1	1	1
<i>Pheidole</i> sp.4	1	0	1	0
<i>Pheidole</i> sp.10	0	0	1	0
<i>Pheidole</i> sp.14	1	0	1	0
<i>Pheidole</i> sp.15	0	1	0	0
<i>Pheidole</i> sp.20	1	0	1	0
<i>Pheidole</i> sp.23	0	1	0	0

To be continue...

## Supplemental File 1. (Continued)

Taxa	Forest soil surface	Forest subterranean	Pasture soil surface	Pasture subterranean
<i>Pheidole</i> sp.29	1	0	1	0
<i>Pheidole</i> sp.31	1	0	1	0
<i>Pheidole</i> sp.32	1	0	1	1
<i>Pheidole</i> sp.33	0	0	1	0
<i>Pheidole</i> sp.34	1	0	0	0
<i>Pheidole</i> sp.35	1	0	0	0
<i>Pheidole</i> sp.36	0	0	1	0
<i>Pheidole</i> sp.37	1	0	0	0
<i>Pogonomyrmex naegelli</i> Emery	0	0	1	0
<i>Rogeria</i> sp.1	0	0	0	1
<i>Sericomyrmex</i> sp.1	1	1	0	0
<i>Sericomyrmex</i> sp.3	1	0	0	0
<i>Solenopsis</i> sp.2	0	1	0	0
<i>Solenopsis</i> sp.3	1	1	0	0
<i>Solenopsis</i> sp.4	0	1	1	1
<i>Solenopsis</i> sp.5	0	1	0	0
<i>Solenopsis</i> sp.6	1	0	0	0
<i>Solenopsis</i> sp.7	0	0	1	1
<i>Solenopsis</i> sp.8	1	0	0	0
<i>Solenopsis</i> sp.10	0	0	0	1
<i>Solenopsis</i> sp.11	0	1	0	0
<i>Solenopsis</i> sp.12	0	0	0	1
<i>Solenopsis</i> sp.13	1	1	0	1
<i>Strumigenys zeteki</i> Brown	1	0	0	0
<i>Trachymyrmex bugnioni</i> Forel	1	0	0	0
<i>Trachymyrmex</i> sp.2	1	0	0	0
<i>Trachymyrmex</i> sp.3	1	0	0	0
<i>Trachymyrmex</i> sp.4	1	0	0	0
<i>Tranopelta gilva</i> Mayr	0	1	0	0
<i>Wasmannia auropunctata</i> Roger	1	0	1	1
<i>Wasmannia</i> sp.2	1	0	1	0
<i>Wasmannia</i> sp.3	0	1	0	0
<b>PARAPONERINAE</b>				
<i>Paraponera clavata</i> Fabricius	1	0	0	0
<b>PONERINAE</b>				
<i>Mayaponera constricta</i> Mayr	0	0	1	0
<i>Neoponera commutata</i> Roger	1	0	0	0
<i>Odontomachus bauri</i> Emery	1	0	0	0
<i>Pachycondyla crassinoda</i> Latreille	1	0	0	0
<i>Pachycondyla harpax</i> Fabricius	1	1	0	0
<i>Pachycondyla obscuricornis</i> Emery	1	0	0	0
<i>Pachycondyla</i> sp.1	0	0	1	0
<b>PSEUDOMYRMECINAE</b>				
<i>Pseudomyrmex tenuis</i> Fabricius	1	0	0	0
<i>Pseudomyrmex termitarius</i> Smith	0	0	1	1
<i>Pseudomyrmex</i> sp.9	0	0	1	0
<i>Pseudomyrmex</i> sp.10	0	0	1	0
<b>Total</b>	<b>82</b>	<b>30</b>	<b>45</b>	<b>24</b>