| **Table.S2** Species of ants registered within soybean plantations and native habitat (Legal Reserve) in their respective landscape types: Cerrado savannah, transitional vegetation, and Amazon forest. |
| --- |
| **Species** | **Cerrado savannah** | **Transional vegetation**  | **Amazon forest** |  |
|   | Soybean plantations | Legal Reserve |  | Soybean plantations |  Legal Reserve |   | Soybean plantations | Legal Reserve |  | **Grand total** |
| **Subfamily Amblyoponinae** |  |  |  |  |  |  |  |  |  |  |
| *Prionopelta* sp.1 |  |  |  |  | 1 |  |  |  |  | 1 |
| **Subfamily Dolichoderinae** |  |  |  |  |  |  |  |  |  |  |
| *Azteca* sp.1 |  |  |  |  | 1 |  |  | 4 |  | 5 |
| *Azteca* sp.2 |  |  |  |  |  |  |  | 1 |  | 1 |
| *Dolichoderus* aff *rugosus* (Smith, F., 1858) |  | 1 |  |  | 3 |  | 2 | 17 |  | 23 |
| *Dolichoderus attelaboides* (Fabricius, 1775) |  |  |  |  | 1 |  |  | 6 |  | 7 |
| *Dolichoderus decollatus* (Smith, F., 1858) |  |  |  |  |  |  |  | 3 |  | 3 |
| *Dolichoderus ghilianii* (Emery, 1894) |  |  |  |  | 1 |  |  |  |  | 1 |
| *Dolichoderus imitator* (Emery, 1894) |  | 1 |  |  |  |  |  | 58 |  | 59 |
| *Dolichoderus* sp.3 |  |  |  |  |  |  |  | 1 |  | 1 |
| *Dorymyrmex brunneus* (Forel, 1908) | 5 | 12 |  | 6 | 8 |  | 32 | 5 |  | 68 |
| *Dorymyrmex goeldii* (Forel, 1904) | 3 |  |  | 1 |  |  | 13 |  |  | 17 |
| *Dorymyrmex pyramycus* (Roger, 1863) | 3 | 28 |  | 3 | 9 |  | 3 | 3 |  | 49 |
| *Dorymyrmex* sp.1 |  | 2 |  | 4 |  |  | 2 |  |  | 8 |
| *Linepithema* sp.1 |  | 38 |  |  | 13 |  | 7 | 11 |  | 69 |
| *Linepithema* sp.2 |  | 1 |  |  |  |  | 1 |  |  | 2 |
| *Tapinoma* sp.1 |  |  |  |  | 1 |  |  | 1 |  | 2 |
| **Subfamily Dorylinae** |  |  |  |  |  |  |  |  |  |  |
| *Labidus* sp.1 |  |  |  |  |  |  |  | 4 |  | 4 |
| **Subfamily Ectatomminae** |  |  |  |  |  |  |  |  |  |  |
| *Ectatomma brunneum* (Smith, F., 1858) |  |  |  | 1 |  |  | 7 | 3 |  | 11 |
| *Ectatomma edentatum* (Roger, 1863) |  | 19 |  |  | 3 |  |  | 36 |  | 58 |
| *Ectatomma lugens* (Emery, 1894) |  | 4 |  |  | 1 |  |  | 6 |  | 11 |
| *Ectatomma permagnum* (Forel, 1908) |  | 2 |  |  | 1 |  |  | 8 |  | 11 |
| *Ectatomma tuberculatum* (Olivier, 1792) |  | 24 |  |  | 18 |  |  | 16 |  | 58 |
| *Gnamptogenys haenschi* (Emery, 1902) |  |  |  |  |  |  |  | 2 |  | 2 |
| *Gnamptogenys* sp.1 |  |  |  |  |  |  |  2 |  |  | 2 |
| *Gnamptogenys* sp.2 |  | 4 |  |  | 3 |  |  4 | 4 |  | 15 |
| *Gnamptogenys* sp.3 |  | 14 |  |  | 6 |  |  1 | 16 |  | 37 |
| *Gnamptogenys* sp.4 |  | 5 |  |  | 2 |  |  | 11 |  | 18 |
| *Holcoponera moelleri* Forel, 1912 |  | 4 |  |  | 3 |  |  | 19 |  | 26 |
| **Subfamily Formicinae** |  |  |  |  |  |  |  |  |  |  |
| *Acropyga* sp.1 |  |  |  |  | 2 |  |  |  |  | 2 |
| *Brachymyrmex* sp.1 | 7 | 18 |  |  1 | 12 |  |  17 | 9 |  | 64 |
| *Brachymyrmex* sp.2 |  | 3 |  |  | 2 |  |  | 12 |  | 17 |
| *Camponotus* aff *atriceps* (Smith, F., 1858) |  1 | 5 |  |  | 9 |  |  | 59 |  | 74 |
| *Camponotus* aff *cacicus (*Emery, 1903) |  |  |  |  |  |  |  1 | 1 |  | 2 |
| *Camponotus* aff *textor (*Forel, 1899) |  |  |  |  |  |  |  1 |  |  | 1 |
| *Camponotus burtoni* (Mann, 1916) |  | 1 |  |  |  |  |  |  |  | 1 |
| *Camponotus femoratus* (Fabricius, 1804) |  | 1 |  |  |  |  |  | 6 |  | 7 |
| *Camponotus* sp.1 |  | 45 |  |  | 54 |  |  4 | 95 |  | 198 |
| *Camponotus* sp.2 |  | 37 |  |  1 | 38 |  |  1 | 15 |  | 92 |
| *Camponotus* sp.3 |  |  |  |  | 1 |  |  1 | 3 |  | 5 |
| *Camponotus* sp.4 |  | 7 |  |  | 4 |  |  | 2 |  | 13 |
| *Camponotus* sp.5 |  | 4 |  |  | 6 |  |  | 12 |  | 22 |
| *Camponotus* sp.6 |  | 8 |  |  | 18 |  |  | 34 |  | 60 |
| *Camponotus* sp.7 |  |  |  |  | 1 |  |  | 3 |  | 4 |
| *Camponotus* sp.8 |  | 23 |  |  | 3 |  |  | 29 |  | 55 |
| *Camponotus* sp.9 |  |  |  |  | 1 |  |  |  |  | 1 |
| *Camponotus* sp.11 |  | 4 |  |  | 1 |  |  | 9 |  | 14 |
| *Camponotus* sp.12 |  | 6 |  |  | 2 |  |  | 1 |  | 9 |
| *Camponotus* sp.13 |  | 1 |  |  | 1 |  |  | 8 |  | 10 |
| *Camponotus* sp.14 |  |  |  |  |  |  |  | 1 |  | 1 |
| *Camponotus* sp.15 |  |  |  |  |  |  |  | 5 |  | 5 |
| *Camponotus* sp.16 |  | 2 |  |  |  |  |  |  |  | 2 |
| *Camponotus* sp.17 |  |  |  |  |  |  |  | 1 |  | 1 |
| *Camponotus* sp.21 |  |  |  |  |  |  |  | 4 |  | 4 |
| *Camponotus* sp.23 |  | 1 |  |  |  |  |  |  |  | 1 |
| *Gigantiops destructor* (Fabricius, 1804)  |  | 11 |  |  1 | 36 |  |  | 67 |  | 115 |
| *Nylanderia* sp.1 |  | 2 |  |  | 25 |  |  31 | 52 |  | 110 |
| **Subfamily Myrmicinae** |  |  |  |  |  |  |  |  |  |  |
| *Acromyrmex* sp.1 |  | 18 |  |  | 14 |  |  | 14 |  | 46 |
| *Acromyrmex* sp.2 |  | 29 |  |  | 2 |  |  | 28 |  | 59 |
| *Acromyrmex* sp.3 |  |  |  |  |  |  |  | 4 |  | 4 |
| *Acromyrmex* sp.4 |  |  |  |  |  |  |  | 2 |  | 2 |
| *Acromyrmex* sp.5 |  |  |  |  |  |  |  | 1 |  | 1 |
| *Apterostigma megacephala* (Lattke, 1999) |  |  |  |  | 5 |  |  | 15 |  | 20 |
| *Apterostigma* sp.1 |  |  |  |  | 2 |  |  | 5 |  | 7 |
| *Apterostigma* sp.2 |  |  |  |  |  |  |  | 1 |  | 1 |
| *Apterostigma* sp.3 |  |  |  |  |  |  |  | 1 |  | 1 |
| *Atta* sp.1 |  | 6 |  |  4 | 4 |  |  5 |  |  | 19 |
| *Atta* sp.2 |  | 55 |  |  2 | 8 |  |  3 | 63 |  | 131 |
| *Atta* sp.3 |  |  |  |  | 1 |  |  1 | 6 |  | 8 |
| *Atta* sp.4 |  | 3 |  |  |  |  |  1 | 2 |  | 6 |
| *Basiceros militaris* (Weber, 1950) |  |  |  |  |  |  |  | 1 |  | 1 |
| *Cephalotes atratus* (Linnaeus, 1758) |  |  |  |  | 1 |  |  | 6 |  | 7 |
| *Crematogaster abstinens* (Santschi, 1933) |  |  1 |  |  |  |  |  | 1 |  | 2 |
| *Crematogaster acuta* (Fabricius, 1804) |  |  4 |  |   | 1 |  |  |  |  | 5 |
| *Crematogaster brasiliensis* (Mayr, 1878) |  |  |  |  | 4 |  | 1 | 6 |  | 11 |
| *Crematogaster carinata (*Mayr, 1862) |  | 5 |  |  | 11 |  | 1 | 36 |  | 53 |
| *Crematogaster evallans (*Forel, 1907) |  |  1 |  |  |  |  |  |  |  | 1 |
| *Crematogaster flavosensitiva* (Longino, 2003) |  |  4 |  |  |  |  |  |  |  | 4 |
| *Crematogaster levior (*Longino, 2003) |  |  |  |  |  |  | 1 |  |  | 1 |
| *Crematogaster limata* (Smith, F., 1858) |  |  |  |  |  |  | 5 | 10 |  | 15 |
| *Crematogaster longispina* (Emery, 1890) |  |  |  |  | 1 |  |  | 2 |  | 3 |
| *Crematogaster nigropilosa (*Mayr, 1870) |  |  |  |  |  |  |  | 3 |  | 3 |
| *Crematogaster stollii* (Forel, 1885) |  |  |  |  |  |  | 1 |  |  | 1 |
| *Crematogaster tenuicula* (Forel, 1904) |  1  |  1 |  | 1 | 23 |  |  | 24 |  | 50 |
| *Cyphomyrmex* sp.1 |  | 2 |  |  |  |  |  | 4 |  | 6 |
| *Cyphomyrmex* sp.2 |  |  |  |  | 2 |  |  | 1 |  | 3 |
| *Cyphomyrmex* sp.3 |  |  |  |  | 1 |  |  | 2 |  | 3 |
| *Cyphomyrmex* sp.4 |  |  |  |  |  |  |  | 1 |  | 1 |
| *Cyphomyrmex* sp.5 |  | 1 |  |  |  |  |  |  |  | 1 |
| *Cyphomyrmex* sp.6 |  |  |  |  |  |  |  | 1 |  | 1 |
| *Cyphomyrmex* sp.7 |  |  |  |  |  |  |  | 1 |  | 1 |
| *Cyphomyrmex* sp.8 |  |  |  |  |  |  |  | 1 |  | 1 |
| *Cyphomyrmex* sp.9 |  |  |  |  |  |  |  | 1 |  | 1 |
| *Daceton armigerum* (Latreille, 1802) |  |  |  |  |  |  |  | 1 |  | 1 |
| *Mycocepurus smithii* (Forel, 1893) |  | 2 |  |  |  |  |  | 1 |  | 3 |
| *Myrmicocrypta* sp.1 |  |  |  |  |  |  |  | 1 |  | 1 |
| *Myrmicocrypta* sp.2 |  |  |  |  |  |  |  | 1 |  | 1 |
| *Myrmicocrypta* sp.3 |  |  |  |  |  |  |  | 1 |  | 1 |
| *Ochetomyrmex neopolitus* (Fernández, 2003) |  | 1 |  |  | 1 |  |  | 4 |  | 6 |
| *Ochetomyrmex semipolitus* (Mayr, 1878) |  |  |  |  |  |  |  | 1 |  | 1 |
| *Paratrachymyrmex* sp.1 |  | 3 |  |  | 3 |  |  | 22 |  | 28 |
| *Paratrachymyrmex* sp.2 |  | 2 |  |  | 3 |  |  | 41 |  | 46 |
| *Paratrachymyrmex* sp.3 |  |  |  |  |  |  |  | 1 |  | 1 |
| *Pheidole* aff *biconstricta* (Mayr, 1870) |  | 1 |  |  |  |  |  | 1 |  | 2 |
| *Pheidole* aff *bilimeki* (Mayr, 1870) |  | 1 |  |  1 |  1 |  |  2 | 8 |  | 13 |
| *Pheidole* aff *fimbriata* (Roger, 1863) |  |  |  |  |  |  |  | 1 |  | 1 |
| *Pheidole* aff *radoszkowskii* (Mayr, 1884) | 9 | 26 |  |  2 |  27 |  |  34 | 61 |  | 159 |
| *Pheidole* aff *transversostriata (*Mayr, 1887) | 1 |  |  3 |  3 |  |  4 | 8 |  | 19 |
| *Pheidole bufo* (Wilson, 2003) |  | 1 |  |  | 15 |  |  | 9 |  | 25 |
| *Pheidole gertrudae* (Forel, 1886) |  | 8 |  | 1 | 6 |  | 5 | 8 |  | 28 |
| *Pheidole nitella* (Wilson, 2003) |  |  |  |  |  |  | 8 | 2 |  | 10 |
| *Pheidole* sp.1 | 3 | 13 |  | 1 | 8 |  | 6 | 36 |  | 67 |
| *Pheidole* sp.2 |  |  |  |  | 1 |  |  |  |  | 1 |
| *Pheidole* sp.3 | 28 | 1 |  | 25 |  |  | 19 | 4 |  | 77 |
| *Pheidole* sp.4 | 2 |  |  | 2 |  |  | 4 |  |  | 8 |
| *Pheidole* sp.5 | 1 |  |  |  | 3 |  | 1 | 7 |  | 12 |
| *Pheidole* sp.6 |  | 3 |  |  | 4 |  | 5 | 23 |  | 35 |
| *Pheidole* sp.7 |  | 1 |  |  | 2 |  |  | 8 |  | 11 |
| *Pheidole* sp.8 |  |  |  |  | 2 |  | 3 | 2 |  | 7 |
| *Pheidole* sp.9 | 3 | 59 |  | 3 | 5 |  |  | 19 |  | 89 |
| *Pheidole* sp.11 | 4 | 1 |  | 6 | 1 |  | 4 | 4 |  | 20 |
| *Pheidole* sp.12 |  | 1 |  | 1 |  |  |  |  |  | 2 |
| *Pheidole* sp.13 |  |  |  |  | 1 |  |  | 5 |  | 6 |
| *Pheidole* sp.14 |  | 2 |  |  | 11 |  |  | 12 |  | 25 |
| *Pheidole* sp.15 | 1 |  |  | 2 | 21 |  | 2 | 14 |  | 40 |
| *Pheidole* sp.16 | 3 | 27 |  | 1 | 29 |  | 8 | 54 |  | 122 |
| *Pheidole* sp.17 | 1 | 7 |  | 3 | 3 |  | 1 | 14 |  | 29 |
| *Pheidole* sp.18 |  | 1 |  |  |  |  |  | 2 |  | 3 |
| *Pheidole* sp.19 | 1 |  |  |  |  |  | 5 | 5 |  | 11 |
| *Pheidole* sp.21 |  | 1 |  |  |  |  | 1 | 1 |  | 3 |
| *Pheidole* sp.22 |  |  |  |  |  |  |  | 3 |  | 3 |
| *Rogeria* sp.1 |  |  |  |  |  |  |  | 1 |  | 1 |
| *Solenopsis* sp.1 | 1 | 2 |  |  | 5 |  | 4 | 1 |  | 13 |
| *Solenopsis* sp.2 |  | 1 |  |  | 1 |  |  | 3 |  | 5 |
| *Solenopsis* sp.3 |  | 31 |  | 2 | 22 |  | 5 | 21 |  | 81 |
| *Solenopsis* sp.4 |  |  |  |  | 1 |  |  | 1 |  | 2 |
| *Solenopsis* sp.5 |  | 4 |  |  | 7 |  | 7 | 33 |  | 51 |
| *Solenopsis* sp.6 |  |  |  |  |  |  |  | 1 |  | 1 |
| *Solenopsis* sp.7 |  |  |  |  | 1 |  |  |  |  | 1 |
| *Sericomyrmex* sp.1 |  | 8 |  |  | 24 |  | 3 | 55 |  | 90 |
| *Sericomyrmex* sp.2 |  |  |  |  |  |  |  | 1 |  | 1 |
| *Strumigenys* sp.1 | 1 | 3 |  |  | 2 |  | 1 | 1 |  | 8 |
| *Strumigenys* sp.2 |  |  |  |  | 1 |  |  |  |  | 1 |
| *Strumigenys* sp.3 |  |  |  |  |  |  |  | 1 |  | 1 |
| *Tetramorium* aff *bicarinatum* (Nylander, 1846) |  |  |  |  |  |  | 3 |  |  | 3 |
| *Tetramorium* sp.1 |  |  |  |  |  |  |  | 1 |  | 1 |
| *Tetramorium* sp.2 |  |  |  |  |  |  |  | 1 |  | 1 |
| *Wasmannia auropunctata* (Roger, 1863) |  |  |  |  |  |  |  | 2 |  | 2 |
| **Subfamily Ponerinae** |  |  |  |  |  |  |  |  |  |  |
| *Anochetus* sp.1 |  | 1 |  |  | 2 |  | 1 | 4 |  | 8 |
| *Anochetus* sp.2 |  | 1 |  | 1 | 1 |  |  | 2 |  | 5 |
| *Hypoponera* sp.1 | 1 |  |  | 1 |  |  | 8 | 2 |  | 12 |
| *Hypoponera* sp.2 |  |  |  |  | 1 |  |  | 2 |  | 3 |
| *Hypoponera* sp.3 |  |  |  |  |  |  |  | 1 |  | 1 |
| *Hypoponera* sp.4 |  | 1 |  |  | 1 |  |  | 4 |  | 6 |
| *Leptogenys* sp.1 |  |  |  |  |  1  |  |  | 1 |  | 2 |
| *Mayaponera constricta* (Mayr, 1884) |  |  |  |  |  |  | 1 |  |  | 1 |
| *Mayaponera* sp.1 |  |  |  |  |  |  |  | 2 |  | 2 |
| *Neoponera apicalis* (Emery, 1901) |  |  |  |  | 3 |  | 1 | 48 |  | 52 |
| *Neoponera commutata* (Roger, 1860) |  | 1 |  |  | 4 |  | 2 | 14 |  | 21 |
| *Neoponera inversa* (Smith, F., 1858) |  |  |  |  | 1 |  |  | 2 |  | 3 |
| *Neoponera verenae* (Forel, 1922) |  |  |  |  |  |  |  | 27 |  | 27 |
| *Odontomachus* sp.1 |  |  |  |  | 1 |  |  | 3 |  | 4 |
| *Odontomachus* sp.2 |  |  |  |  | 1 |  |  | 4 |  | 5 |
| *Odontomachus* sp.3 |  | 1 |  |  | 18 |  | 1 | 18 |  | 38 |
| *Odontomachus* sp.4 |  | 1 |  |  |  |  |  | 5 |  | 6 |
| *Odontomachus* sp.5 |  |  |  |  |  |  |  | 2 |  | 2 |
| *Pachycondyla crassinoda* (Latreille, 1802) |  | 3 |  | 2 | 19 |  |  | 64 |  | 88 |
| *Pachycondyla harpax* (Latreille, 1802) |  | 4 |  |  | 1 |  | 3 | 22 |  | 30 |
| **Subfamily Pseudomyrmicinae** |  |  |  |  |  |  |  |  |  |  |
| *Pseudomyrmex gracilis* (Fabricius, 1804) |  | 2 |  |  | 2 |  |  | 2 |  | 6 |
| *Pseudomyrmex tenuis* (Fabricius, 1804) |  | 3 |  |  | 3 |  |  | 15 |  | 21 |
| *Pseudomyrmex termitarius* (Smith, F., 1855) |  | 31 |  |  | 12 |  |  | 3 |  | 46 |
| *Pseudomyrmex* aff *peruvianus* (Fabricius, 1804) |  |  |  |  |  |  | 1 |  | 1 |
| *Pseudomyrmex* sp.1 |  | 2 |  |  | 3 |  |  | 6 |  | 11 |
| *Pseudomyrmex* sp.6 |  | 1 |  |  |  |  |  |  |  | 1 |
| *Pseudomyrmex tenuis* sp.1 |  | 2 |  |  | 1 |  |  | 2 |  | 5 |
| *Pseudomyrmex tenuis* sp.2 |  | 1 |  |  | 2 |  |  |  |  | 3 |
| **Total number of species** | 21 | 88 |  | 28 | 100 |  |  57 | 151 |  | 176 |
| **Total abundance** | 88 | 734 |  | 82 | 662 |  |  301 | 1670 |  | 3537 |