

Table S1. Coordinates (in decimal degrees) from sampled areas.

Area	Habitat	Latitude	Longitude
A1	GRASSLAND	-5.9365263830	39.5381109090
A2	GRASSLAND	-5.9427968676	39.4177933052
A3	GRASSLAND	-5.6836424565	39.5859885918
A4	GRASSLAND	-5.7956564740	39.4600971179
A5	DEHESA	-5.9303951327	39.5599360243
A6	DEHESA	-6.0216085958	39.4592173213
A7	DEHESA	-5.8034399014	39.6315707739
A8	DEHESA	-5.8465267228	39.5509457417

Table S2. PC1 and PC2 output values for each species corresponding with the PCA analysis from Figure 4a.

Species	PC1	PC2
<i>Messor barbarus</i>	-0.27297343	-0.062430158
<i>Messor capitatus</i>	-0.30035120	-0.065418083
<i>Messor bouvieri</i>	-0.04648407	-0.001568805
<i>Messor lusitanicus</i>	-0.07306427	0.049402834
<i>Aphaenogaster gibbosa</i>	0.17133870	-0.171413084
<i>Messor hispanicus</i>	-0.25162258	-0.095403105
<i>Messor celiae</i>	-0.04648407	-0.001568805
<i>Aphaenogaster iberica</i>	-0.06082730	0.183226278
<i>Aphaenogaster senilis</i>	0.07307151	0.395673923
<i>Aphaenogaster dulcinare</i>	-0.25162258	-0.095403105
<i>Cataglyphis hispanica</i>	0.23636757	-0.214170314
<i>Cataglyphis iberica</i>	-0.21363340	-0.164962291
<i>Cataglyphis sp.</i>	-0.16286276	-0.073260531
<i>Formica subrufa</i>	0.20243267	-0.086998593
<i>Formica sanguinea</i>	0.28748153	-0.034707045
<i>Tapinoma nigerinum</i>	-0.03518850	0.282435973
<i>Tapinoma erraticum</i>	-0.24794181	0.022989733
<i>Tapinoma madeirense</i>	-0.11531280	-0.027636821
<i>Tetramorium sp.</i>	0.12291268	-0.230000698
<i>Temnothorax sp.</i>	0.05181734	0.116874417
<i>Leptothorax sp.</i>	0.12067162	-0.202285593
<i>Crematogaster scutellaris</i>	0.29990751	0.018943210
<i>Crematogaster auberti</i>	-0.2516225	-0.095403105
<i>Camponotus cruentatus</i>	0.01010731	-0.070124108
<i>Camponorus pilicornis</i>	0.07307151	0.395673923
<i>Camponotus sp.</i>	0.17133870	-0.171413084
<i>Goniomma sp.</i>	-0.05482403	0.271916204
<i>Lasius brunneus</i>	0.13967726	0.345746973
<i>Proformica sp.</i>	-0.14636731	0.254843521
<i>Oxyopomyrmex sp.</i>	0.20022880	0.071750217
<i>Phelloide pallidula</i>	0.16876259	-0.109576410

Table S3. PC1 and PC2 output values for each species corresponding with the PCA analysis from Figure 4b.

Species	PC1	PC2
<i>Messor barbarous</i>	-0.237682962	-0.305442437
<i>Messor capitatus</i>	-0.327905375	-0.078848110
<i>Aphaenogaster gibbosa</i>	0.090764878	0.119258286
<i>Aphaenogaster iberica</i>	-0.284898051	0.206364541
<i>Aphaenogaster senilis</i>	-0.288278367	0.297975344
<i>Cataglyphis hispanica</i>	0.176027038	0.260462277
<i>Cataglyphis iberica</i>	-0.165050343	-0.329860088
<i>Cataglyphis sp.</i>	-0.246378591	-0.267938647
<i>Formica subrufa</i>	0.121044043	0.242130156
<i>Formica sanguinea</i>	-0.253402167	0.008222921
<i>Tapinoma nigerinum</i>	-0.294306916	0.306809703
<i>Tapinoma erraticum</i>	-0.251756745	-0.186010349
<i>Tetramorium sp.</i>	0.058100194	0.076791010
<i>Temnothorax sp.</i>	-0.001818307	-0.263171011
<i>Leptothorax sp.</i>	-0.130762876	-0.155264058
<i>Crematogaster scutellaris</i>	0.112789213	0.041321751
<i>Camponotus cruentatus</i>	0.094472196	-0.069528443
<i>Camponotus pilicornis</i>	0.048947682	-0.056445553
<i>Camponotus sp.</i>	-0.096430974	-0.057766415
<i>Goniomma sp.</i>	-0.312549196	0.249943736
<i>Lasius brunneus</i>	0.102488396	-0.022813149
<i>Proformica sp.</i>	-0.288278367	0.297975344
<i>Oxyopomyrmex sp.</i>	-0.244240299	-0.004450912
<i>Phelloide pallidula</i>	0.104478335	0.234296205