

Table S2 Eigenvectors of variables associated to dimension 1 and 2 of the multiple correspondence analysis.

Factors	Category	Dimension 1	Dimension 2	Dimension 3
Captured dead or alive	alive	-0,0209	-0,092	-0,0338
Captured dead or alive	dead	0,3203	1,417	0,5188
Region	Apulia	0,5319	0,18	-0,0671
Region	Basilicata	0,7378	-0,04	-0,0392
Region	Calabria	0,6194	-0,374	0,5716
Region	Sicily	-0,8016	-0,101	-0,0592
Characteristics of the area	dog shelter	0,6855	-0,151	0,1586
Characteristics of the area	household	0,5465	-0,015	-0,1741
Characteristics of the area	Peri urban	0,4117	0,004	-0,2692
Characteristics of the area	regional park	0,8472	-0,055	0,0379
Characteristics of the area	Rural	-0,3557	0,106	-0,8102
Characteristics of the area	urban	-0,8297	0,109	0,0717
Presence of pets	no pets	0,6066	-0,023	-0,1317
Presence of pets	pets	-0,0258	0,001	0,0056
Insecticides/repellents	insecticides/repellents	0,6676	-0,131	0,1096
Insecticides/repellents	no insecticides/repellents	-0,3483	0,068	-0,0572
Anthelmintics	anthelmintics	0,5465	-0,015	-0,1741
Anthelmintics	no anthelmintics	-0,0281	0,001	0,009
Cysts	cysts	0,3665	0,103	-0,1351
Cysts	no cysts	-0,2658	-0,075	0,098
Acanthocephala	Acanthocephala	0,3845	-0,038	-0,1489
Acanthocephala	no Acanthocephala	-0,0578	0,006	0,0224

Nematoda	Nematoda	-0,3272	0,147	0,0302
Nematoda	no Nematoda	0,0372	-0,017	-0,0034
Cestoda	Cestoda	0,4511	0,206	-0,1396
Cestoda	no Cestoda	-0,0653	-0,03	0,0202
Digenea	Digenea	0,2931	-0,048	-0,1185
Digenea	no Digenea	-0,0112	0,002	0,0045
