

Laigle, I., Aubin, I., Digel, C., Brose, U., Boulangeta, I.  
and Gravel, D. 2017. Species traits as drivers of food web  
structure. – Oikos doi: 10.1111/oik.04712

Appendix 1: Fig. A1

Appendix 2: Table A1

Appendix 3: Table A2

Figure A1. Identification level of each taxa in the study of Digel et al. (2014). Concerning the independant interactions dataset, all identifications were recorded at the species level (from primary sources).

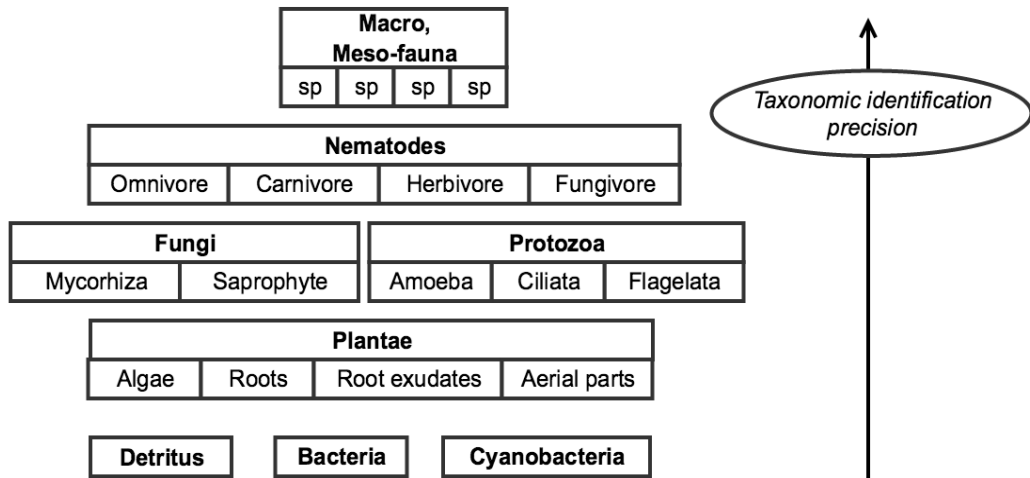


Table A1. References of the  
"independent dataset"

Adl, C	2003	Enchytraeids [Chapter 35]	
Andrassy, I	1976	Aglenchus costatus.	C.I.H. Descriptions of plant-parasitic Nematodes 6/80:1-2
Andr��n, O & Schn��rer, J	1985	Barley straw decomposition with varied levels of microbial grazing by Folsomia fimetaria (L.) (Collembola, Isotomidae).	Oecologia 68:57-62
Bakonyi, G	1998	Nitrogen turnover of Sinella coeca (Colembola: Entomobryidae)	European Journal of Entomology 95:321-326
Balog, A., Marko, V., Szarvas, P.	2008	Dominance, activity density and prey preferences of rove beetles (Coleoptera:Staphylinidae) in conventionally treated Hungarian agro-ecosystems	Bulletin of Entomological Research 98(4):343-353
Bardgett, R.D. ,Wardle, D.A	2003	Herbivore-mediated linkages between aboveground and belowground communities	Ecology. 84(9): 2258-2268
Bardgett, R.D., Whittaker, J.B., Frankland, J.C.	1993	The diet and food preferences of Onychiurus procampatus (Collembola) from upland grassland soils	Biology and Fertility of Soils. 16(4): 296-298
Bauer, T.	1982	Prey-capture in a ground-beetle larva	Animal Behaviour. 30(1): 203-204
Bauer, T.	1981	Prey capture and structure of the visual space of an insect that hunts by sight on the litter layer (Notiophilus biguttatus F., Carabidae, Coleoptera)	Behavioral Ecology and Sociobiology. 8(2): 91-97
Benamu, M.A., Sanchez, N.E., Gonzalez, A.	2011	Postembryonic development and population parameters of Alpaida veniliae (Araneae, Araneidae), reared in the laboratory	Journal of Natural History. 45(25-26): 1607-1617
Bilsing, S.W.	1920	Quantitative studies in the food of spiders	The Ohio Journal of Science. 20(7):215-260
Bongers, T. and Bongers M.	1998	Functional diversity of nematodes	Applied Soil Ecology
Bonkowski, M. and Schaefer, M.	1996	Trophische Interaktionen von Regenw��rmern und Protozoen	VERHANDLUNGEN-GESELLSCHAFT FUR OKOLOGIE. 26: 283-286.
Briggs, J. B.	1965	Biology of some ground beetles (Col., Carabidae) injurious to strawberries.	Bulletin of Entomological Research , 56(01), 79-93.
Briones, M. J. I., Ineson, P., & Sleep, D.	1999	Use of 13C to determine food selection in collembolan species.	Soil Biology and Biochemistry , 31 (6), 937-940.
Casida, L. E.	1988	Minireview: Nonobligate bacterial predation of bacteria in soil.	Microbial ecology , 15 (1), 1-8.
Casida, L. E.	1989	Arthrobacter species as a prey cell reservoir for nonobligate bacterial predators in soil	Canadian journal of microbiology , 35 (5), 559-564.
Childers, C. C., & Rock, G. C.	1981	Observations on the occurrence and feeding habits of Balaustium pulmani (Acari: Erythraeidae) in North Carolina apple orchards	. International Journal of Acarology , 7(1-4), 63-68.
Coaker, T. H., & Williams, D. A.	1970	The importance of some carabidae and staphylinidae as predators of the cabbage root fly Erioischia brassicae (Bouche).	Entomologia experimentalis et applicata , 6 (2), 156-164.
Cohen, J. E., & Mulder, C.	2014	Soil invertebrates, chemistry, weather, human management, and edaphic food webs at 135 sites in the Netherlands : SIZEWEB	Ecology , 95 (2), 578-578.
Colfer, R. G., & Rosenheim, J. A.	2001	Predation on immature parasitoids and its impact on aphid suppression	Oecologia , 126 (2), 292-304.
Cooke, R. C., & Godfrey, B. E. S.	1964	A key to the nematode-destroying fungi.	Transactions of the British Mycological Society , 47 (1), 61-74.
Cortet, J., Joffre, R., Elmholt, S., & Krogh, P. H.	2003	Increasing species and trophic diversity of mesofauna affects fungal biomass , mesofauna community structure and organic matter decomposition processes	Biology and Fertility of Soils , 37 (5), 302-312.
Croft, B. A., Pratt, P. D., Koskela, G., & Kaufman, D.	1998	Predation, reproduction, and impact of phytoseiid mites (Acari: Phytoseiidae) on cyclamen mite (Acari: Tarsonemidae) on strawberry	Journal of economic entomology , 91 (6), 1307-1314.
Culin, J. D., & Yeargan, K. V.	1982	Feeding behavior and prey of Neoscona arabesca [Araneae : Araneidae] and Tetragnatha laboriosa [Araneae : Tetragrathidae] in soybean fields	Entomophaga , 27 (4), 417-423.
Davey, J. S., Vaughan, I. P., Andrew King, R., Bell, J. R., Bohan, D. A., Bruford, M. W., Holand M. H., & Symondson, W. O.	2013	Intraguild predation in winter wheat: prey choice by a common epigeal carabid consuming spiders	Journal of Applied Ecology , 50 (1), 271-279.

David, J. F., & Handa, I. T.	2010	The ecology of saprophagous macroarthropods (millipedes, woodlice) in the context of global change.	<i>Biological Reviews</i> , 85 (4), 881-895.
Dean, D. A., Sterling, W. L., & Horner, N. V.	1982	Spiders in eastern texas cotton fields	<i>Journal of Arachnology</i> , 251-260.
Dempster, J. P., Richards, O. W., & Waloff, N.	1959	Carabidae as predators on the pupal stage of the chrysomelid beetle, <i>Phytodecta olivacea</i> (Forster)	<i>Oikos</i> , 10 (1), 65-70.
Doncaster, C. C.	1966	Nematode feeding mechanisms. 2.Observations on <i>Ditylenchus destructor</i> and <i>D.myceliophagus</i> feeding on <i>Botrytis cinerea</i> .	<i>Nematologica</i> , 12 (3), 417-427.
Driscoll, D. A., & Weir, T. O. M.	2005	Beetle Responses to Habitat Fragmentation Depend on Ecological Traits, Habitat Condition, and Remnant Size	<i>Conservation Biology</i> , 19 (1), 182-194.
Eitzinger, B., Micic, A., Körner, M., Traugott, M., & Scheu, S.	2013	Unveiling soil food web links: New PCR assays for detection of prey DNA in the gut of soil arthropod predators	<i>Soil Biology and Biochemistry</i> , 57, 943-945.
Endlweber, K., Ruess, L., & Scheu, S.	2009	Collembola switch diet in presence of plant roots thereby functioning as herbivores	<i>Soil Biology and Biochemistry</i> , 41 (6), 1151-1154.
Faber, J. H.	1991	FORUM classification of soil fauna : a new approach	<i>Oikos</i> , 110-117.
Filser, J.	2002	The role of collembola in carbon and nitrogen cycling in soil	<i>Pedobiologia</i> , 46 (3), 234-245.
Foissner, W.	1999	Soil protozoa as bioindicators: pros and cons, methods, diversity, representative examples	<i>Agriculture, Ecosystems &amp; Environment</i> , 74 (1), 95-112.
Foster, G. N.	1972	The population dynamics of aphids infesting potato	Doctoral dissertation, University of Newcastle upon Tyne
Frank, J. H.	1967	A serological method used in the investigation of the predators of the pupal stage of the winter moth, <i>Operophtera brumata</i> (L.)(Hydriomenidae)	<i>Quaestiones entomologicae</i> , 3 (95), 105.
Friman, V. P., Lindstedt, C., Hiltunen, T., Laakso, J., & Mappes, J.	2009	Predation on multiple trophic levels shapes the evolution of pathogen virulence	<i>PloS one</i> , 4 (8), e6761.
Gilmore, S. K., & Potter, D. A.	1993	Potential role of Collembola as biotic mortality agents for entomopathogenic Nematodes.	<i>Pedobiologia (Germany)</i> .
Luff, M. L.	1974	Adult and larval feeding habits of <i>Pterostichus madidus</i> (F.)(Coleoptera: Carabidae).	<i>Journal of Natural History</i> , 8 (4), 403-409.
Greenstone, M. H., Rowley, D. L., Weber, D. C., Payton, M. E., & Hawthorne, D. J.	2007	Feeding mode and prey detectability half-lives in molecular gut-content analysis: an example with two predators of the Colorado potato beetle	<i>Bulletin of entomological research</i> , 97 (02), 201-209.
Greenstone, M. H., & Shufran, K. A.	2003	Spider predation : species-specific identification of gut contents by polymerase chain reaction	<i>Journal of Arachnology</i> , 31 (1), 131-134.
Hansen, R. A.	1999	Red oak litter promotes a microarthropod functional group that accelerates its decomposition.	<i>Plant and soil</i> , 209 (1), 37-45.
Harris, J. R. W., & Usher, M. B.	1978	Laboratory studies of predation by the grassland mite <i>Pergamasus longicornis</i> Berlese and their possible implication for the dynamics of populations of Collembola	<i>Scientific Proceedings of the Royal Dublin Society (A)</i> (Vol. 6, pp. 143-153).
Hartenstein, R.	1962	Life history studies of <i>Pergamasus crassipes</i> and <i>Amblygamasus septentrionalis</i> (Acarina:Prasitidae).	<i>Annals of the Entomological Society of America</i> , 55 (2), 196-202.
Hättenschwiler, S., Tiunov, A. V., & Scheu, S.	2005	Biodiversity and litter decomposition in terrestrial ecosystems	<i>Annual Review of Ecology, Evolution, and Systematics</i> , 191-218.
Heidger, C., & Nentwig, W.	1989	Augmentation of beneficial arthropods by strip-management. 3. Artificial introduction of a spider species which preys on wheat pest insects	<i>Entomophaga</i> , 34 (4), 511-522.
Hislop, R. G., & Prokopy, R. J.	1981	Mite predator responses to prey and predator-emitted stimuli	<i>Journal of chemical ecology</i> , 7 (5), 895-904.
Holmes, P. R.	1984	A field study of predators of the grain aphid <i>Sitobion avenae</i> and its predators	<i>Bulletin of entomological Research</i> , 74 (04), 623-631.
Honek, A., Martinkova, Z., Saska, P., & Pekar, S.	2007	Size and taxonomic constraints determine the seed preferences of Carabidae (Coleoptera)	<i>Basic and Applied Ecology</i> , 8 (4), 343-353.
Honek, A., Saska, P., & Martinkova, Z.	2005	Seasonal variation in seed predation by adult carabid beetles	<i>Entomologia Experimentalis et Applicata</i> , 118 (2), 157-162.
Hooper, D.J.	1974	<i>Cephalenchus emarginatus</i> .	C.I.H. descriptions of plant-parasitic nematodes 3, 35.
Hunt, H. W., Coleman, D. C., Ingham, E. R., Ingham, R. E., Elliott, E. T., Moore, J. C., Rose, S. L., Reid, C.R. & Morley, C. R.	1987	The detrital food web in a shortgrass prairie	<i>Biology and Fertility of Soils</i> , 3 (1-2), 57-68.
Hurka, K., & Jarosik, V.	2003	Larval omnivory in <i>Amara aenea</i> (Coleoptera: Carabidae)	<i>European Journal of Entomology</i> , 100 (3), 329-336.

Hussey, N. W., & Lane, J.	1956	Necrophagous coleoptera trapped in different habitats in midlothian.	<i>Entomologists Monthly Magazine</i> , 92, 201-206.
Jørgensen, H. B., Elmholt, S., & Petersen, H.	2003	Collembolan dietary specialisation on soil grown fungi	<i>Biology and Fertility of Soils</i> , 39(1), 9-15.
Jørgensen, H. B., & Toft, S.	1997	Role of granivory and insectivory in the life cycle of the carabid beetle <i>Amara similata</i>	<i>Ecological Entomology</i> , 22(1), 7-15.
Juen, A., Hogendoorn, K., Ma, G., Schmidt, O., & Keller, M. A.	2011	Analysing the diets of invertebrate predators using terminal restriction fragments	<i>Journal of Pest Science</i> , 85(1), 89-100.
Juen, A., & Traugott, M.	2004	Detecting predation and scavenging by DNA gut-content analysis: a case study using a soil insect predator-prey system	<i>Oecologia</i> , 142(3), 344-352.
Karg, W., Bischoff, H., Dahl, F., & Dahl, M.	1986	Acari (Acarina), Milben Unterordnung Anactinochaeta (Parasitiformes) Die freilebenden Gamasina (Gamasides), Raubmilben.	Gustav Fischer.
Klironomos, J. N., & Kendrick, W. B.	1996	Palatability of microfungi to soil arthropods in relation to the functioning of arbuscular mycorrhizae.	<i>Biology and Fertility of Soils</i> , 21(1-2), 43-52.
Laakso, J., & Setälä, H.	1999	Sensitivity of primary production to changes in the architecture of belowground food webs	<i>Oikos</i> , 57-64.
Lassauce, A., Lieutier, F., & Bouget, C.	2012	Woodfuel harvesting and biodiversity conservation in temperate forests: Effects of logging residue characteristics on saproxylic beetle assemblages	<i>Biological Conservation</i> , 147(1), 204-212.
Lee, Q., & Widden, P.	1996	<i>Folsomia candida</i> , a "fungivorous" collembolan, feeds preferentially on nematodes rather than soil fungi.	<i>Soil Biology and Biochemistry</i> , 28(4), 689-690.
Lesar, C. D., & Unzicker, J. D.	1978	Life history, habits, and prey preferences of <i>Tetragnatha laboriosa</i> [Araneae : Tetragnathidae]	<i>Environmental Entomology</i> , 7(6), 879-884.
Lindroth, C. H.	1945	Ground beetles (Carabidae) of Fennoscandia: a zoogeographical study: Part 3.	General analysis with a discussion on biogeographical principles
Luff, M. L.	1974	Adult and larval feeding habits of <i>Pterostichus madidus</i> (F.) (Coleoptera: Carabidae).	<i>Journal of Natural History</i> , 8(4), 403-409.
Luka, H., Pfiffner, L., & Wyss, E.	1998	<i>Amara ovata</i> and <i>A. similata</i> (Coleoptera, Carabidae), zwei phytophage Laufkäferarten in Rapsfeldern.	<i>Mitteilungen der Entomologischen Gesellschaft</i> , 71, 125-131.
Manners, A. G., Dembowski, B. R., & Healey, M. A.	2013	Biological control of western flower thrips, <i>Frankliniella occidentalis</i> (Pergrande) (Thysanoptera: Thripidae), in gerberas, chrysanthemums and roses	<i>Australian Journal of Entomology</i> , 52(3), 246-258.
Mansour, F. & Heimbach, U.	1993	Evaluation of lycosid, micryphantid and linyphiid spiders as predators of <i>Rhopalosiphum padi</i> (Hom.:Aphididae) and their functional response to prey density - laboratory experiments	<i>Entomophaga</i> , 38(1), 79-87.
Maraun, M., Martens, H., Migge, S., Theenhaus, A., & Scheu, S.	2003	Adding to 'the enigma of soil animal diversity': fungal feeders and saprophagous soil invertebrates prefer similar food substrates.	<i>European Journal of Soil Biology</i> , 39(2), 85-95.
Martinkova, Z. D. E. N. K. A., Saska, P. A. V. E. L., & Honek, A.	2006	Consumption of fresh and buried seed by ground beetles	<i>European Journal of Entomology</i> , 103(2), 361-364.
McDaniel, S. G., & Sterling, W. L.	1979	Predator determination and efficiency on <i>Heliothis virescens</i> eggs in cotton using	<i>Environmental Entomology</i> , 8(6), 1083-1087.
McDaniel, S. G., & Sterling, W. L.	1982	Predation of <i>Heliothis virescens</i> (F.) eggs on cotton in east Texas.	<i>Environmental Entomology</i> , 11(1), 60-66.
McDaniel, S. G., Sterling, W. L., & Dean, D. A.	1981	Predators of tobacco budworm larvae in Texas cotton.	<i>Southwestern Entomologist</i> , 6(2), 102-108.
Mikola, J., & Setälä, H.	1998	No Evidence of Trophic Cascades in an Experimental Microbial-Based Soil Food Web	<i>Ecology</i> , 79(1), 153-164.
Mikola, J., & Sulkava, P.	2001	Responses of microbial-feeding nematodes to organic matter distribution and predation in experimental soil habitat	<i>Soil Biology and Biochemistry</i> , 33(6), 811-817.
Milcu, A., Partsch, S., Langel, R., & Scheu, S.	2006	The response of decomposers ( earthworms , springtails and microorganisms ) to variations in species and functional group diversity of plants	<i>Oikos</i> , 112(3), 513-524.
Miller, K. V., & Williams, R. N.	1983	Biology and Host Preference of <i>Atheta coriaria</i> (Coleoptera:Staphylinidae), an egg predator of Nitidulidae and Muscidae	<i>Annals of the Entomological Society of America</i> , 76(2), 158-161.
Miranda, F., Bylund, H., Grönberg, L., Larsson, L., & Björkman, C.	2011	Population density and killing capacity by predators of eggs and larvae of the diamondback moth in Nicaragua	<i>Environmental entomology</i> , 40(2), 333-341.

Miresmailli, S., Bradbury, R., & Isman, M. B.	2006	Comparative toxicity of Rosmarinus officinalis L. essential oil and blends of its major constituents against Tetranychus urticae Koch (Acari: Tetranychidae) on two different host plants	<i>Pest management science</i> , 62 (4), 366-371.
Mitsui, Y.	1985	Distribution and ecology of nematode-trapping fungi in Japan.	<i>JARQ</i> , 18 (3), 182-193.
Moore, J. C., Walter, D. E., & Hunt, H. W.	1988	Arthropod regulation of micro- and mesobiota in below-ground detrital food webs	<i>Annual review of entomology</i> , 33 (1), 419-435.
Morse, D. H.	1983	Foraging patterns and time budgets of the crab spiders Xysticus emertoni keyserling and Misumena vatia (Clerck) (Araneae: Thomisidae) on flowers	<i>Journal of Arachnology</i> , 87-94.
Nedved, O., & Salvucci, S.	2008	Ladybird Coccinella spetempunctata (Coleoptera:Coccinellidae) prefers toxic prôt in laboratory choice experiment	<i>European Journal of Entomology</i> , 105 (3), 431.
Nieminen, J. K., & Setälä, H.	2001	Bacteria and microbial-feeders modify the performance of a decomposer fungus	<i>Soil Biology and Biochemistry</i> , 33 (12), 1703-1712.
Noseworthy, M. K., & Despland, E.	2006	How do primary nutrients affect the performance and preference of forest tent caterpillars on trembling aspen	<i>The Canadian Entomologist</i> , 138 (03), 367-375.
Nyffeler, M., & Benz, G.	1988	Prey analysis of the spider Achaeearanea riparia (Blackw.)(Araneae, Theridiidae), a generalist predator in winter wheat fields	<i>Journal of Applied Entomology</i> , 106 (1-5), 425-431.
Nyffeler, M., Dean, D. A., & Sterling, W. L.	1987	Feeding ecology of the orb-weaving spider Argiope aurantia [Araneae : Araneidae] in a cotton agroecosystem	<i>Entomophaga</i> , 32 (4), 367-375.
Nyffeler, M., Dean, D. A., & Sterling, W. L.	1988	Prey records of the web-building spiders Dictyna segregata (Dictynidae), Theridion australe (Theridiidae), Tidarren haemorrhoidale (Theridiidae), and Frontinella pyramitela (Linyphiidae) in a cotton agroecosystem	<i>The Southwestern Naturalist</i> , 215-218.
Panesar, T. S., & Marshall, V. G.	2003	Monograph of soil nematodes from coastal douglas-fir forests in British Columbia	
Pérez-Harguindeguy, N., Díaz, S., Vendramini, F., Cornelissen, J. H., Gurvich, D. E., & Cabido, M.	2003	Leaf traits and herbivore selection in the field and in cafeteria experiments	<i>Austral Ecology</i> , 28 (6), 642-650.
Ponge, J. F.	1991	Food resources and diets of soil animals in a small area of Scots pine litter	<i>Geoderma</i> , 49 (1-2), 33-62.
Preap, V., Zalucki, M. P., Jahn, G. C., & Nesbitt, H. J.	2001	Effectiveness of Brown Planthopper Predators : Population suppression by two species of spider, Pardosa pseudoannulata (Araneae, Lycosidae) and Araneus inustus (Araneae, Araneidae)	<i>Journal of Asia-Pacific Entomology</i> , 4 (2), 187-193.
Randall, J. B.	1982	Prey records of the green lynx spider, Peucetia viridans (Hentz) (Araneae, Oxyopidae)	<i>Journal of Arachnology</i> , 19-22.
Rouifed, S., Handa, I. T., David, J. F., & Hättenschwiler, S.	2010	The importance of biotic factors in predicting global change effects on decomposition of temperate forest leaf litter.	<i>Oecologia</i> , 163 (1), 247-256.
Rusek, J.	1998	Biodiversity of Collembola and their functional role in the ecosystem	<i>Biodiversity &amp; Conservation</i> , 7 (9), 1207-1219.
Rusek, J.	1989	Ecology of Collembola. In 3rd International Seminar of Apterygota (R.Dallai ed.)	<i>Biodiversity &amp; Conservation</i> , 7 (9), 1207-1219.
Salmon, S., & Ponge, J. F.	1999	Distribution of Heteromurus nitidus (Hexapoda, Collembola) according to soil acidity: interactions with earthworms and predatr pressure.	<i>Soil Biology and Biochemistry</i> , 31 (8), 1161-1170.
Saska, P.	2008	Granivory in terrestril isopods.	<i>Ecological Entomology</i> , 33 (6), 742-747.
Saska, P., & Jarosik, V.	2001	Laboratory study of larval food requirments in nine species of Armata (Coleoptera: Carabidae)	<i>Plant Protection Science-UZPI (Czech Republic)</i> .
Schausberger, P.	1997	Inter- and intraspecific predation on immatures by adult females in Euseius finlandicus, Typhlodromus pyri and Kampimodromus aberrans (Acari: Phytoseiidae)	<i>Experimental &amp; applied acarology</i> , 21 (3), 131-150.
Schausberger, P., & Walzer, A.	2000	Combined versus single species release of predaceous mites: predator-predator interactions and pest suppression	<i>Biological Control</i> , 20 (3), 269-278.

Schneider, K., Renker, C., & Maraun, M.	2005	Oribatid mite (Acari, Oribatida) feeding on ectomycorrhizal fungi.	<i>Mycorrhiza</i> , 16 (1), 67-72.
Siddiqi, M. R.	1986	Tylenchida, Parasites of Plants and Insects.	CABI.
Stirling, G. R.	2011	Suppressive biological factors influence populations of root lesion nematode ( <i>Pratylenchus thornei</i> ) on wheat in vertosols from the northern grain-growing region of Australia	<i>Australasian Plant Pathology</i> , 40 (4), 416-429.
Sunderland, K. D., Crook, N. E., Stacey, D. L., & Fuller, B. J.	1987	A study of feeding by polyphagous predators on cereal aphids using ELISA and gut dissection	<i>Journal of Applied Ecology</i> , 907-933.
Sunderland, K. D.	1975	The diet of some predatory arthropods in cereal crops	<i>Journal of Applied Ecology</i> , 507-515.
Sunderland, K. D., Fraser, A. M., & Dixon, A. F. G.	1986	Field and laboratory studies on money spiders (Linyphiidae) as predators of cereal aphids	<i>Journal of Applied Ecology</i> , 433-447.
Sunderland, K. D., & Vickerman, G. P.	1980	Aphid feeding by some polyphagous predators in relation to aphid density in cereal fields.	<i>Journal of Applied Ecology</i> , 389-396.
Symondson, W. O. C., Glen, D. M., Erickson, M. L., Liddell, J. E., & Langdon, C. J.	2000	Do earthworms help to sustain the slug predator <i>Pterostichus melanarius</i> (Coleoptera: Carabidae) within crops ? Investigations using monoclonal antibodies	<i>Molecular Ecology</i> , 9 (9), 1279-1292.
Szujecki, A.	1965	Observations on the development and biology of <i>Philonthus fuscipennis</i> (Mannh.) (Coleoptera, Staphylinidae).	Fragmenta faunistica, 11(11)
Thomas, R. S., Harwood, J. D., Glen, D. M., & Symondson, W. O. C.	2009	Tracking predator density dependence and subterranean predation by carabid larvae on slugs using monoclonal antibodies	<i>Ecological Entomology</i> , 34 (5), 569-579.
Tooley, A., Froud-Williams, R. J., Boatman, N. D., & Hollandj, J. M.	1999	Laboratory studies of weed seed predation by carabid beetles	In <i>BRIGHTON CROP PROTECTION CONFERENCE WEEDS</i> (Vol. 2, pp. 571-572).
Toutain, F., Villemin, G., Albrecht, A., & Reisinger, O.	1982	Etude ultrastructurale des processus de biodégradation. II. Modèle enchytraeides-litière de feuillus	<i>Pedobiologia</i> .
Verhoef, H. A., Dorel, F. G., & Zoomer, H. R.	1989	Effects of nitrogen deposition on animal-mediated nitrogen mobilization in coniferous litter.	<i>Biology and fertility of soils</i> , 8(3), 255-259.
Weinreich, E.	1968	Über den Klebfangapparat der imagines von <i>Stenus</i> Lart. (Coleopt. Staphylinidae) mit ein Beitrag zur Kenntniss der Jugendstadien dieser Gattung	<i>Zeitschrift für Morphologie der Tiere</i> , 62 (2), 162-210.
Whitcomb, W. H., & Bell, K. O.	1964	Predaceous insects, spiders, and mites of Arkansas cotton fields	
Wratten, S. D., Bryan, K., Coombes, D., & Sopp, P.	1984	Evaluation of polyphagous predators of aphids in arable crops	<i>Proceeding 1984 Crop Protection Conference: Pest and Diseases</i> (pp. 261-270).
Yeates, G. W., Bongers, T., De Goede, R. G. M., Freckman, D. W., & Georgieva, S. S.	1993	Feeding habits in nematode families and genera - an outline for soil ecologists	<i>Journal of nematology</i> , 25 (3), 315.
Zhao, C., Griffin, J. N., Wu, X., & Sun, S.	2013	Predatory beetles facilitate plant growth by driving earthworms to lower soil layers	<i>Journal of Animal Ecology</i> , 82 (4), 749-758.
Zhang, Z. Q.	1992	Mites of Greenhouses. Identification, biology and control	Cabi publishing

Table A2

	NS	NL	C	GenSD	VulSD	MeanDBase	Omn	sim	mod
mass	0.49	0.29	-0.31	0.44	0.14	-0.38	0.05	-0.45	0.17
Web	0.14	0.15	0.18	0.21	0.27	0.09	0.18	0.09	-0.11
Poison	0.5	0.65	0.45	0.63	0.6	0.28	0.6	0.14	-0.23
herbivore	-0.13	-0.22	-0.3	-0.18	-0.25	-0.3	-0.26	-0.31	0.25
carnivore	-0.05	0.29	0.7	0	0.34	0.89	0.74	0.27	-0.06
fungivore	-0.09	-0.32	-0.65	-0.22	-0.38	-0.48	-0.48	-0.43	0.38
detritivore	0	-0.34	-0.71	-0.02	-0.39	-0.82	-0.75	-0.31	0.08
above	0.48	0.44	0.06	0.49	0.38	-0.26	0.21	-0.22	-0.16
below	-0.3	-0.49	-0.47	-0.36	-0.51	-0.07	-0.52	-0.07	0.28
RS1	0.32	0.11	-0.37	0.28	-0.05	-0.59	-0.23	-0.51	0.04
RS2	-0.08	0.02	0.13	-0.08	0.03	-0.16	0.07	-0.24	-0.24
though	-0.21	-0.01	0.33	-0.14	0.12	0.38	0.26	0.49	-0.1
mobility	-0.03	0.25	0.63	0.03	0.36	0.42	0.39	0.4	-0.35
FRic	0.71	0.58	-0.06	0.62	0.44	-0.2	0.19	0.03	-0.12
FEve	0.05	-0.07	-0.21	0.05	-0.14	-0.44	-0.06	-0.48	0.03
NS	1	0.86	0.06	0.91	0.75	0.06	0.32	0.16	-0.04
NL	0.86	1	0.48	0.84	0.92	0.36	0.63	0.35	-0.22
C	0.06	0.48	1	0.2	0.56	0.59	0.68	0.45	-0.5
GenSD	0.91	0.84	0.2	1	0.72	0.08	0.32	0.19	-0.19
VulSD	0.75	0.92	0.56	0.72	1	0.43	0.69	0.46	-0.33
MeanDBase	0.06	0.36	0.59	0.08	0.43	1	0.75	0.36	0
Omn	0.32	0.63	0.68	0.32	0.69	0.75	1	0.27	-0.06
sim	0.16	0.35	0.45	0.19	0.46	0.36	0.27	1	-0.23
mod	-0.04	-0.22	-0.5	-0.19	-0.33	0	-0.06	-0.23	1
Vmass	0.4	0.17	-0.43	0.32	0	-0.44	-0.07	-0.51	0.25
VRS1	0.23	-0.06	-0.52	0.09	-0.18	-0.51	-0.32	-0.49	0.18
VRS2	-0.29	-0.11	0.27	-0.34	0.02	0.15	0.13	0.02	-0.25
Vthough	-0.22	-0.51	-0.72	-0.28	-0.6	-0.71	-0.79	-0.36	0.17
Vmobility	0.17	-0.08	-0.43	0.11	-0.19	-0.65	-0.4	-0.36	-0.1