Supporting Information. Melanie M. Pollierer, Thomas Larsen, Anton Potapov, Adrian Brückner, Michael Heethoff, Jens Dyckmans, Stefan Scheu. 2019. Compound-specific isotope analysis of amino acids as a new tool to uncover trophic chains in soil food webs. *Ecological Monographs*.

Appendix S3

Table S1 Bulk stable isotope values of carbon and nitrogen for growth media (Agar – Czapek-Dox Agar, Medium – modified arabinose-gluconate medium), resources (Bacteria - *Pseudomonas flourescens*, Yeast 1 - *Saccharomyces cerevisiae*, Lime leaves - *Tilia cordata*, and Fungi - *Chaetomium globosum*), primary consumers (Springtails 1 – *Heteromurus nitidus*) raised on respective resources, and predators (Spiders – *Parasteatoda tepidariorum*) fed with respective springtails.

	$\delta^{13}C \pm SD$	**$\delta^{15}N \pm SD$**
Agar (Fungi)	-22.75 ± 0.82	0.59 ± 0.19
Medium (Bacteria)	-12.48 ± 0.06	1.85 ± 0.08
Bacteria	-10.78 ± 0.06	-12.3 ± 0.06
Yeast 1	-21.73 ± 0.06	-1.56 ± 0.07
Lime leaves	-30.00 ± 0.87	-3.78 ± 0.49
Fungi	-26.63 ± 0.16	-2.68 ± 0.44
Springtails 1 (Fungi)	-27.33 ± 0.16	2.33 ± 0.12
Springtails 1 (Bacteria)	-11.70 ± 0.26	-8.31 ± 1.02
Springtails 1 (Lime leaves)	-28.01 ± 0.24	-3.18 ± 0.07
Springtails 1 (Yeast 1)	-22.56 ± 0.11	4.21 ± 0.61
Spiders (Springtails 1 - Yeast 1)	-21.96	7.68
Spiders (Springtails 1 - Lime)	-26.35 ± 0.45	-0.60 ± 0.91
Spiders (Springtails 1 - Bacteria)	-14.10 ± 0.13	-3.33 ± 0.32
Spiders (Springtails 1 - Fungi)	-15.49	6.04