Appendix S1. Mass-Length allometry

A mass-length or a weight-length allometric relationship is often expressed as a power law equation (Giuseppe *et al.* 2014),

$$M = aL^b \qquad [S1]$$

where M is the body dry weight, L is the body length without appendages, *a* is a scaling (or conversion) factor that moves the value of L^b up or down depending on the measurement units of M and L, and *b* is an exponent (power or allometric factor) which determines the rate of growth or decay of the function. For length measured in millimeters, the scaling factor corresponds to the mass of an animal that is 1mm in length (White & Gould 1965). This equation provides information about to what extent mass is increased or decreased during growth (Muller 2001). Although mass is an unconventional trait to use in allometry, one can see mass-length relationships as integrative allometries, as the scaling of mass with body length could rule the scaling of any other organ with body length, being therefore of central importance. The relationship is isometric if the body length increases at the same rate as body mass and there are no changes in mass per unit length with an increase of length. Because mass is proportional to L^3 and body length to L, isometry would be expected when b = 3. Dividing factor *b* by 3 gives the conventional situation for isometry (b = 1). Following this approach, positive allometry occurs when body mass increases disproportionately more than body length (b > 1) and negative allometry when body length increases disproportionately more than body mass (b < 1). However, b = 3 is expected during isometry only if animal body shape (i.e.: bauplan) does not affect the allometric relationship. In principle, the departure from for isometry could vary depending on the shape of the animals (e.g.: if wider animals tend to accumulate disproportionally more nutrients as they grow in length) and actually this is the reason why we controlled for body shape in our models (see Appendix S5).

The power equation [S1] can be linearized by logarithmic transformation using either base *e* or base 10,

$$\text{Ln } M = \text{Ln } a + b\text{Ln } L \qquad [S2]$$

$$\log_{10} M = \log_{10} a + b\log_{10} L \qquad [S3]$$

There are two main reasons for logarithmic transformation. Biologically, log-log transformation places numbers into a geometric domain so that proportional deviations are represented consistently, independent on the scale and units of measurement (Kerkhoff & Enquist 2009). Statistically, it is convenient to transform both axes using logarithms in order to obtain a linear regression. This linearization normalizes the data set and usually reduces heteroscedasticity (O'Hara & Kotze 2010). There are three main types of allometries, ontogenetic, static and evolutionary (Cock 1966; Cheverud 1982; Klingenberg & Zimmermann 1992). Ontogenetic allometries study allocation of mass and length during post-embrionic development and can be studied by comparing different individuals of the same population varying in age or instar. Static allometry compares individuals within the same population and age and evolutionary allometry is when the allometry has been established through evolutionary time, and it is usually studied by comparing populations within species or by comparing different species. The database that we compiled is a mixture of these three types of allometries, being however more abundant the data points for species-based evolutionary allometry.

Appendix S2. Database

The database contains information about 283 Mass-Length equations scattered across six main groups of soil invertebrate arthropods (Table S1): arachnida (112), chilopoda (14), diplopoda (8), entognatha (37), insecta (102) and isopoda (10). Most arachnida equations were araneae while most insecta equations were coleoptera (Table S2). Two main sources of information were included in our database: bibliographic and field sampling.

Bibliographic review

We searched Web of Science and Google Scholar for articles containing relevant information on ML equations. We used the following keywords: length, weight, length-weight, mass, growth, growth allometry and a diversity of names specific for each of the arthropod groups. The equations came from 45 locations around the world from the Equator to the North Pole and from a great diversity of biomes (Table S3).

Field sampling and laboratory measures

The database also includes 3 equations obtained from individuals captured on 5 beech forests from Asturias (Spain) in October 2011 and between April and October 2012. About 1 to 2 kg of litter was collected and transported in boxes to the laboratory for screening and removal of mesofauna and macrofauna by Berlese-Tullgren funnel (Berlese 1905; Tullgren 1918) for 48 hours, being the animals directly collected in vials containing 100% EtOH. In total 58 Entomobryomorpha springtails and 30 Lithobiomorpha centipedes were extracted from the Las Ubiñas-La Mesa Natural Park (43.0895°N, 6.0447°W and 43.0978°N, 5.9922°W), Ponga Natural Park (43.2037°N, 5.1390°W) and Integral Reserve of Muniellos (43.0376°N, 6.6767°W), and 60 Geophilomorpha centipedes from the Picos de Europa National Park (43.2366°N, 4.8230°W). For the larger taxa (Centipedes) a Mettler Toledo AB135-S/FACT electronic balance (precision of 0.01 mg) was used, and a Mettler Toledo XP26 Delta Range Excellence Plus electronic ultrabalance (precision of 0.1 µg) was used to weight the springtails. All specimens were individually dried in an oven at 60 °C for 48 hours and their dry mass individually estimated in the above balances. For the smaller Collembola, however, five individuals of approximate the same length were weighed together and the overall mass divided by 5 (with 3 repetitions per measurement). A mean body mass was then calculated for each length category (0.77 ± 0.05 mm - 17.0 ± 0.82 µg; 0.88 ± 0.03 mm - 13.7 ± 1.25 µg; 0.97 ± 0.03 mm - 19.7 ± 1.25 µg; 1.11 ± 0.01 mm - 44.3 ± 1.70 µg; 1.16 ± 0.03 - 52.7 ± 1.25 µg and 1.28 ± 0.04 mm - 35.3 ± 1.25 µg). Body length was measured from the apical part (head) to the end of the body (dismissing appendages), using either a Leica MZ 12.5 or Zeiss Stemi DV4 stereomicroscopes at a magnifying size of 8-32x depending on the group (minimum precission: nearest 0.1 mm).

Appendix S3. Database standardization

In order to compare the estimates of *a* and *b* factors across studies, we standardized the data following a two-step process. In the first step we converted the equations into power functions and in the second we rescaled the scaling factor *a* to the corresponding value in a power function [S1] (Appendix S1).

Conversion into power function

Four types of equations were included in database (Table S4): I) Simple power functions, II) logarithmically linearized power functions, III) other more sophisticated models, IV) the raw data or the original model. To obtain the scaling and allometric factors, we performed different transformation for each of the four types of equations (Table S4). We checked the error (calculated by subtracting one from the coefficient of determination, $1-R^2$) of performing the transformations for the Type III equations and in all cases it proved to be very small (Fig. S1, Table S5).

Standardization of the scaling factor a

We rescaled *a* to common units by means of three sequential steps. First, we converted all length measures into mm. Second, we converted all mass measurements into mg. Third, we converted the equations that included wet (fresh) instead of wet mass into dry masses. To do this latter step, we assumed that the total body water of terrestrial arthropods was roughly 70%, as averaged among studies in Table 2.1 of Hadley (1994). Note that this approach also assumes that water body content proportions do not change with body mass (e.g.: perfect isometry) and thus that on average it does not affect Mass-Length allometric relationships.

Appendix S4. Model I vs Model II regression

For fitting allometric equations of log-transformed data, if the X variable is assumed to be measured with as much error as Y, then Model II (e.g.: Major Axis or Standardized Major Axis) regression should be used instead of Model I (OLS), particularly if the aim of the study is to estimate the value of the functional relationship between X and Y. Otherwise the value of the allometric factor *b* is underestimated (LaBarbera 1989; Warton *et al*. 2006). However, when the purpose of fitting the equation is to predict Y from X, OLS should be used instead (Legendre & Legendre 1998). Since the purpose of the available Mass-Length equations is to estimate biomass from body lengths across arthropod groups, most authors have appropriately used OLS or non-linear regression to perform the fits. In order to test hypotheses around the allometric exponent, as it is our case here, we need to consider the fact that these OLS estimates are likely underestimates of b. We therefore assumed that the magnitude of the underestimation from OLS was similar across taxa and localities, thus not affecting our results.

Appendix S5. Shape analysis

Because allometric scaling could potentially differ among body bauplans, we included the shape of each taxonomic group in all analyses as obtained from geometric morphometrics. We downloaded 12 photographs in dorsal view for each of the 51 families and 13 orders of soil arthropods that were included in the equations retrieved from the original literature (Table S1). We used 24 photographs in the case of acari, because the level of taxonomic accuracy in the articles was usually low (the infraorder acari is what many studies provided as the level of taxonomical affiliation) and this group is morphologically highly variable. Because it was not possible to find 12 photographs in dorsal view for the springtail family tullbergiidae from the Southern Hemisphere, the set was completed with photographs of the family onychiuridae, since both belong to the same superfamily onychiuroidea. Another difficulty was to find photographs of elongated myriapods (geophilomorpha and scolopendromorpha) and scorpionida in dorsal view that were sufficiently straighten for geometric morphometrics. We therefore modified the photographs using the program CorelDRAW X7, for which each individual photograph was cut into segments, and each tergite or group of tergita were cut and pasted following the straight line delimiting the sagittal plane (Fig. S2).

Geometric morphometrics

Geometric morphometrics is a tool to summarize the shape of organisms by using landmarks points with which all the information about size, position and orientation is adjusted using a procrustes fit. As a result, one obtains useful information about the shape of the animal, which can then be further subjected to interpretation and analysis.

For shape analyses using geometric morphometrics by means of landmark points we used a four-step procedure. In the first step we took the photographs for each taxonomic group (Fig. S3a) and marked 4 landmark points following the arthropod tagmosis homologies described by Fusco & Minelli (2013) plus 2 pseudo-landmarks than did not necessarily follow tagmosis homologies but that we included during shape matching to be sure that we grasped most of the variance in shape (e.g.: include the widest parts of all bauplans for analyses). For landmark labeling we used the package tpsDig2 2.25 (Rohlf 2010). We marked one point at the apical part of the body (without counting the appendages) in the tip of the “head”, another two points, one on each side of the sagittal plane, in the homologous junction of what it would be the thorax-abdomen junction in insects as follows: for insecta other than ants the pronotum-abdomen junction, for ants the petiolo-gaster junction, for arachnida the prosoma-opisthosoma junction, and finally the head-trunk junction for chilopoda, diplopoda and isopoda. We also added two pseudo-landmarks (i.e.: which do not necessarily correspond to homologous anatomical parts) on each side of the widest part of the posterior part of the body: abdomen, gaster, opisthosoma or trunk. Finally, a last landmark was added to the posterior-most part of the body (Fig. S4). The two pseudo-landmarks were added to increase the probability of grasping the form of body condition typical of each taxonomic group, as some arthropod groups have non-hardened cuticles which expand with food acquisition and visibly change in shape as they increase in mass (Moya-Laraño *et al.* 2008) (Fig. S3b). Second, we performed a procrustes fit to obtain new shape coordinates for each photograph, consisting in traslation, rotation and scaling of the shapes to minimize the sum of squared deviations between landmarks with software MorphoJ 2.0 (Fig. S3.c). Third, we obtained the procustes coordinates for each taxon using a consensus figure and used these coordinates to perform a principal component analysis (done used the R package "geomorph") (Fig. S3d). Finally, since the first three components (PCGMs) explained 96.2% of the shape variance, the scores of these 3 were included in the database as shape covariates (Fig. S3e). The results show that the first component is associated with slenderness with reduction of cephalic area, the second represents the body thickness, and the last component explains the relative abdomen volume (Fig. S5). Note that the second axis will be a proxy of body condition, as the taxa with wider abdomens could be able to store higher amounts of nutrients (e.g.: spiders). Other differences in shape across taxa are also very patent: mites, spiders, beetles, collembola and myriapods. Finally, we obtained the PCGM scores for the 51 families and 13 orders. The database contains 308 equations resolved either at the taxonomic level of class, order or family. For the equations at a given taxonomic level we averaged the PCGM scores of the shapes beloging to photographs from their immediate lower taxonomic levels appearing in the database. In Fig. S6 we summarize the procedure followed to get the shape of our focal groups of arthropods from the photographs.

Appendix S6. Feeding habits

We assigned feeding habits following the expertise criteria of JML for arachnida and JMG about coleoptera. The feeding habits for the rest of the taxa were searched in the literature for the lowest possible taxonomic level. We used Wikipedia as a baseline for searching and then checked for the literature sources cited therein. The study includes a substantial amount of variation in feeding habits among arthropods (Fig. S7). All spiders were predators, while the beetles included taxa with very different trophic habits (predators, omnivores, herbivores, decomposers or undefined if the details provided on the taxonomic level were poor and the group could include groups with different feeding habits).

Appendix S7. Type of mass-length allometric relationship

The data also included a categorization of the 5 main sources of data used for allometric fits, which correspond to either static, ontogenetic or evolutionary allometries (Klingenberg 1998; Reiss 1989). Static allometries are equations including only juveniles of the same species (intraspecific juvenile), only adults of the same species (intraspecific adult). Ontogenetic allometric are equations obtained from different instars of the same species (intraspecific multi-instar). and evolutionary allometries included equations from only adults or differente instars from different species (interspecific adult and interspecific multi-instar) (Fig. S8a, Fig. S8b).

Appendix S8. Details on statistical analysis

Geometric relationship between the scaling factor a and the allometric factor b

As demonstrated by White & Gould (1965), depending on the scale of measurement, one may expect a negative relationship between the scaling factor *a* and the allometric factor *b* due to geometric reasons alone. If we consider two log-transformed (linearized) allometric equations, depending on where the point of intersection between these two lines occur, equal or above Ln length = 1 the relationship changes. If the intersection is equal to Ln length = 1 the value of allometric factor b_1 of line 1 is higher than the allometric factor b_2 of line 2 and the value of scaling factor *a* is the same for lines 1 and 2 (Fig. S9. Case 1). However, if the intersection is smaller or above Ln length = 1 this relationship is different. When the intersection is above Ln length = 1, there is an inverse relationship between the scaling factor *a* and the allometric factor *b* between the two lines (Fig. S9. Case 2). Finally, when the intersection is below Ln length = 1, there is a positive relationship between the scaling factor *a* and the allometric factor *b* of line 1 and line 2 (Fig. S9. Case 3). Since in our data there was a strong negative relationship between the two coefficients, we included them as reciprocal covariates. This allowed us testing for an effect on variables on *a* as if all equations had identical *b* and *viceversa*, test for the effect of variables on *b* as if all equations had indentical elevations. Thus, this procedure allowed for testing the evolution of allometries *sensu stricto*.

Regression Models

To evaluate the relationship between allometry (*a* and *b* factors) and the Normalized Difference Vegetation Index (NDVI) we compared 4 general linear models including different types of covariates. We constructed a Base model, a Shape model, a Geographic model and a Full model. The Base models included the reciprocal factor *b,* when we analyzed the scaling factor *a* or *a,* when we analyzed the allometric factor *b* and the taxonomic affiliation (class). The Shape models included the previous variables plus shape PCs (PCGM1, PCGM2 and PCGM3). The Geographic models included additionally the previous variables plus the geographic factors (altitude, absolute latitude and longitude) (Table S7, Table S8), and the Full modesl included the previous variables and the climate factors (MAT and MAP) (Table 2). In order to test the better model, we compared the AIC values of Base model, Shape model, Geographic model and Full model for *a* and *b* (Table 1).

Dealing with spatial autocorrelation

In general, spatial autocorrelation was low and barely significant (Fig. S10, Fig. S11). The slight autocorrelation found for *a* and *b*, was corrected by including the residuals of the model lagged one position (Bivand *et al*. 2013) relative to longitude, which was sufficient to bring spatial autocorrelation down to negligible values (Fig. S10, Fig. S11). To that end, we sorted the dataset by longitude, ran the multiple regression model, obtained the residuals and lagged them one position down to the dataset. After removing the case that necessarily remained without a residual value after lagging, we used this new dataset to re-run the model with this new residual lagged variable as covariate. To test and plot spatial autocorrelation we used the function “spline.correlog” (Bjornstad & Falck 2001) within the R library “ncf” (Bjornstad 2018). The function “spline.correlog” computes and plots the index of autocorrelation (Moran’s I or Geary's) on distance classes from a set of spatial coordinates and corresponding z values to obtain spatial correlograms. To slide the dataset for one lag position we used the function “slide” in library “DataCombine” (Ganrud 2016).

Fig. S1. Reconstructed potential equations from the different original equations adjusted by some authors (Table S4, Table S5). a) Ganihar 1997, equation type 4 for Isopoda, b) Ganihar 1997, equation type 4 for Dyctioptera (i.e.: Blattodea), c) Ganihar 1997, equation type 5 for Opilionida, d) Ganihar 1997, equation type 6 for Dermaptera, e) Sage 1982, equation type 7 for Coleoptera (dry and fresh mass), f) Sage 1982, equation type 7 for Orthoptera, g) Sage 1982, equation type 7 for Formicidae and h) Van Straalen 1989, equation type 9 for Collembola (*Orchesella cincta* and *Tomocerus minor*).

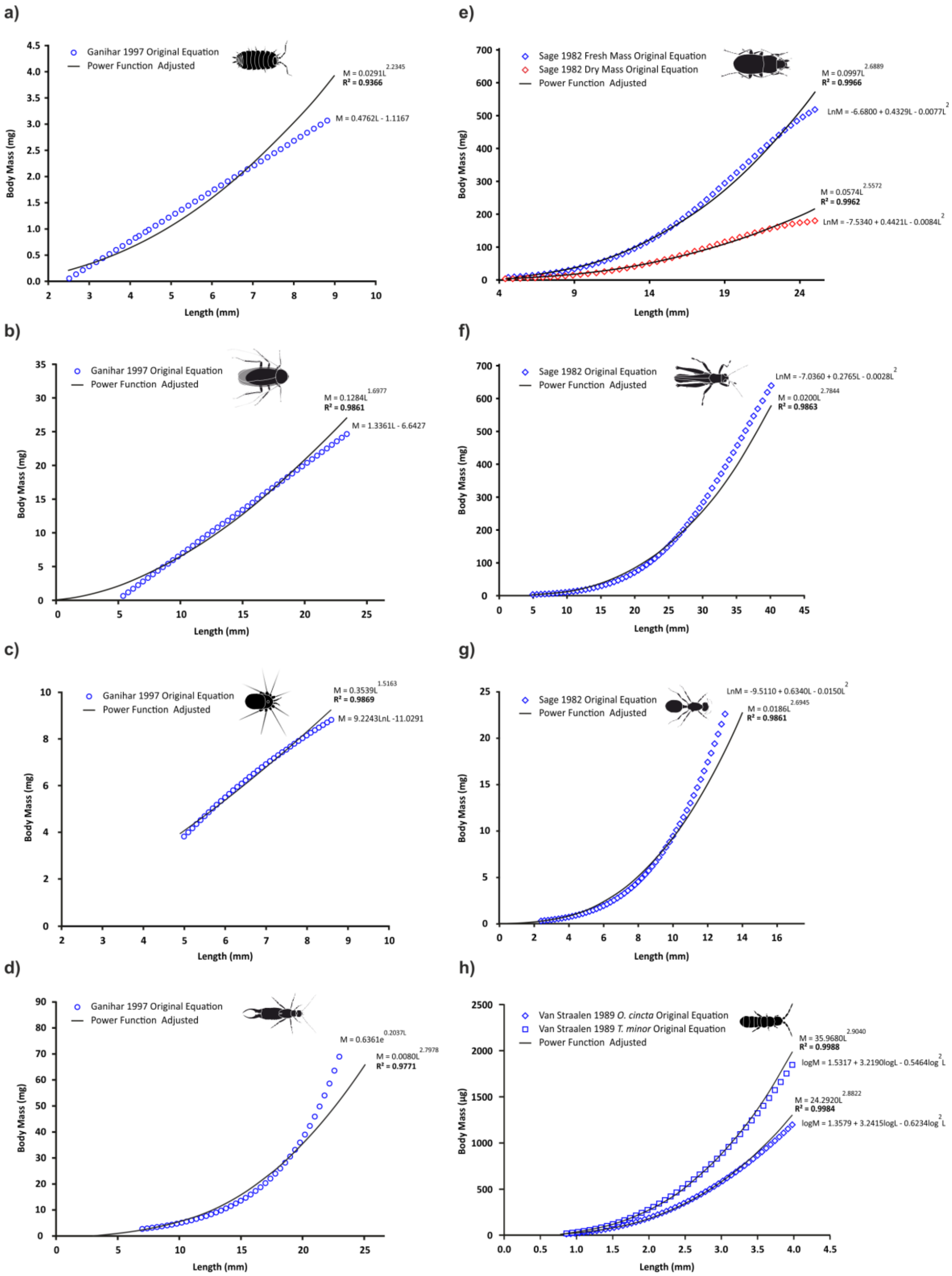

Fig. S2. Original photographs of warped specimens of myriapods (whole body) and scorpion (metasoma and telson) in dorsal view trimmed into segments (clipping points). Each segment corresponds to a tergite or group of tergita (each of the plates that cover the back of an arthropod); the segments were pasted following the straight line delimiting the sagittal plane in order to perform the shape analysis. a) Geophilomorpha (unidentified species), b) Scolopendromorpha (unidentified species), and c) Scorpion (*Euscorpius rahsenae*).

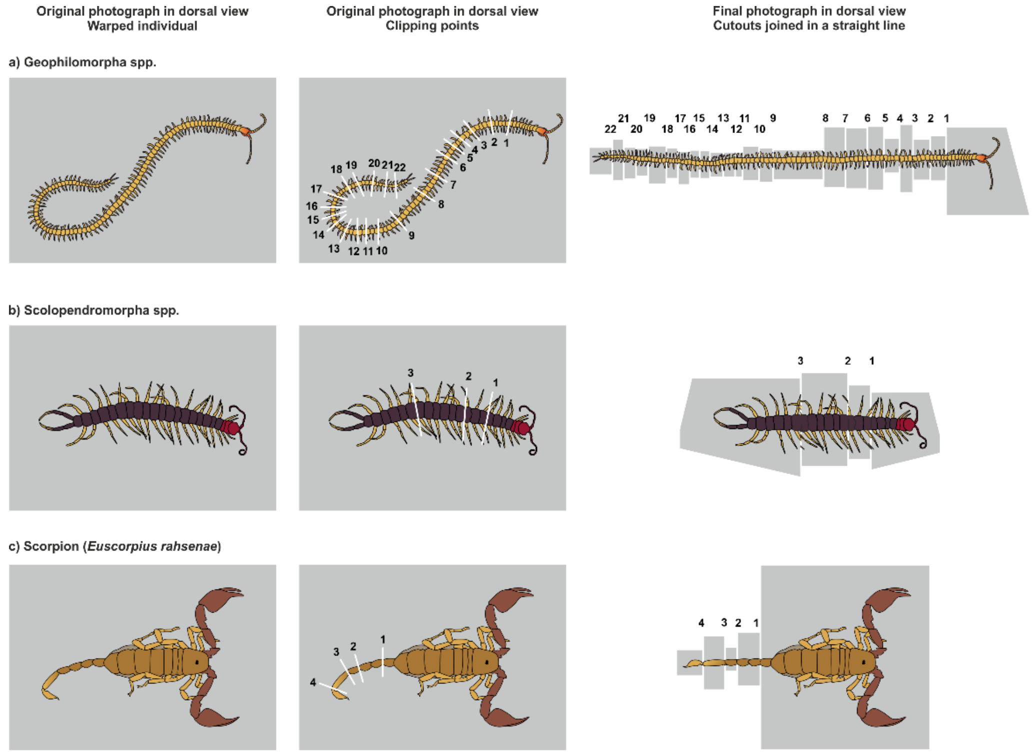

Fig. S3. Workflow (steps a-e) showing the shape analysis of soil arthropods using geometric morphometrics. a) Twelve photographs in dorsal view for each family or order used in the analyses were downloaded from the web, b) for each photograph we located four landmarks (black points 1, 2, 4 and 6) two pseudo-landmarks (red points 3 and 5), c) we performed a generalized procrustes fit to compare the shapes of different groups. We exemplified the procrustes analysis for two simple configurations, the red configuration represents the average shape of all evaluated shapes and the blue configuration is an example of the shape of an individual. To minimize the sum of the squared deviations between landmarks of red and blue configurations, the procrustes analysis follows three steps: 1) Translation: both configurations have a common centroid, 2) rotation: the blue configuration is rotated to match the position of the six landmarks and pseudo-landmarks between two configurations, and 3) scaling: the blue configuration are adjusted by reduction such that the error is minimized, d) after the procrustes analysis we obtained the procrustes coordinates of each group (we show the example for the spider family Agelenidae and the order Geophilomorpha). We averaged the individual procrustes coordinates within each group of arthropods in order to obtain their consensus shape, e) the consensus were included in a principal component analysis (PCA) to obtain the PC scores for each significant axis according to the eigenvalues (% variance explained).

Continued →

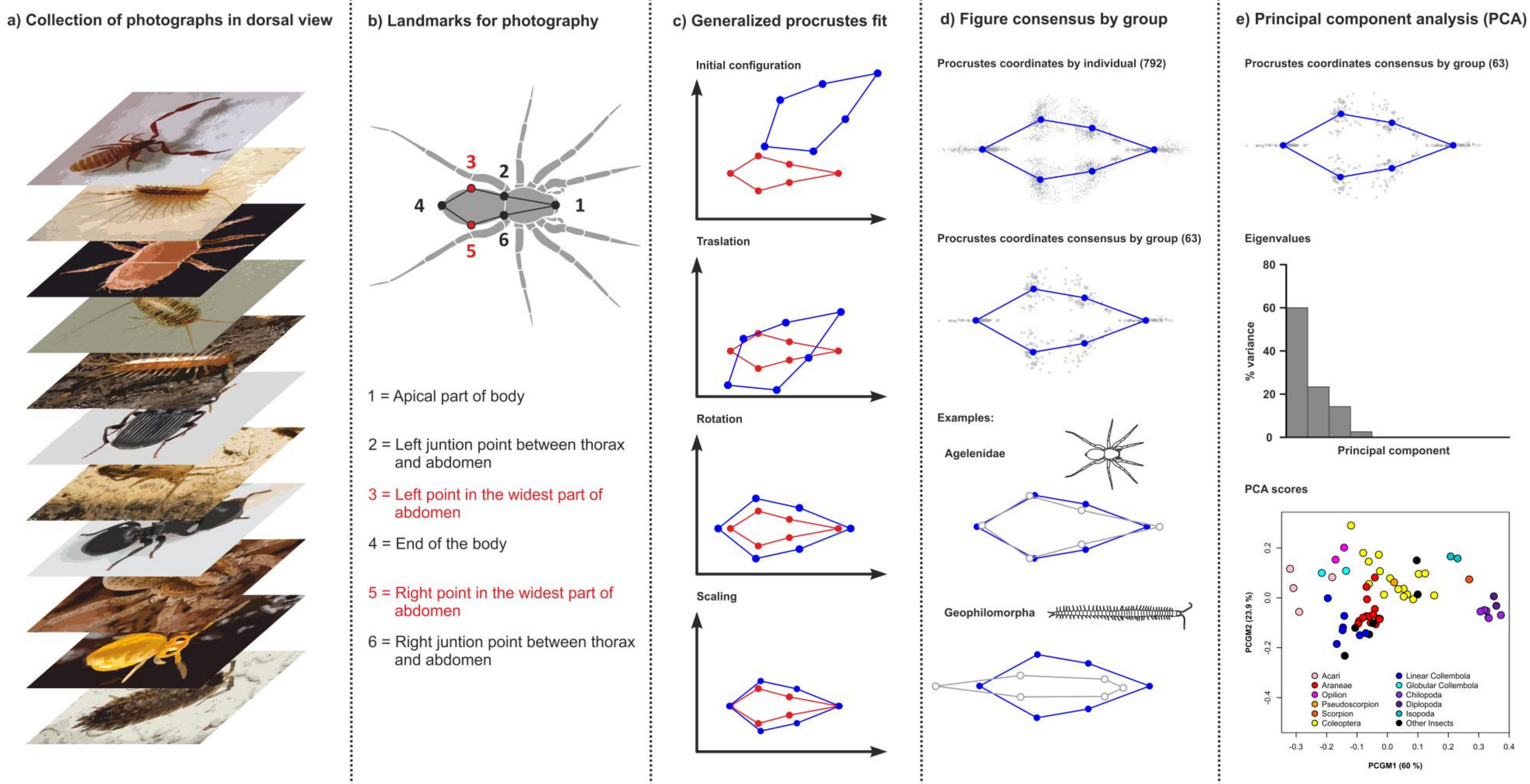
a) Collection of photographs in dorsal view
b) Landmarks for photography
1 = Apical part of body
2 = Left juntion point between thorax and abdomen
3 = Left point in the widest part of abdomen
4 = End of the body
5 = Right point in the widest part of abdomen
6 = Right juntion point between thorax and abdomen
c) Generalized procrustes fit
Initial configuration
Traslation
Rotation
Scaling
d) Figure consensus by group
Procrustes coordinates by individual (792)
Procrustes coordinates consensus by group (63)
Examples:
Agelenidae
Geophilomorpha
e) Principal component analysis (PCA)
Procrustes coordinates consensus by group (63)
Eigenvalues
% variance
Principal component
PCA scores
PCGM2 (23.9 %)
PCGM1 (60 %)
Acari
Araneae
Opilion
Pseudoscorpion
Scorpion
Coleoptera
Linear Collembola
Globular Collembola
Chilopoda
Diplopoda
Isopoda
Other Insects

Fig. S4. Location of the landmarks (black) and pseudo-landmarks (red) for each taxonomic group. Arachnida: a) scorpionida, b) acari, c) araneae, d) opilionida and e) pseudoscorpionida; insecta: f) coleoptera, g) blattodea, h) hymenoptera fFormicidae), i) orthoptera, j) thysanura, k) psocoptera and l) dermaptera; collembola: m) globular collembola and n) lineal collembola; o) isopoda; diplopoda: p) polydesmida and q) julidae; chilopoda: r) lithobiomorpha, s) scolopendromorpha, t) geophilomorpha, and u) scutigeromorpha.

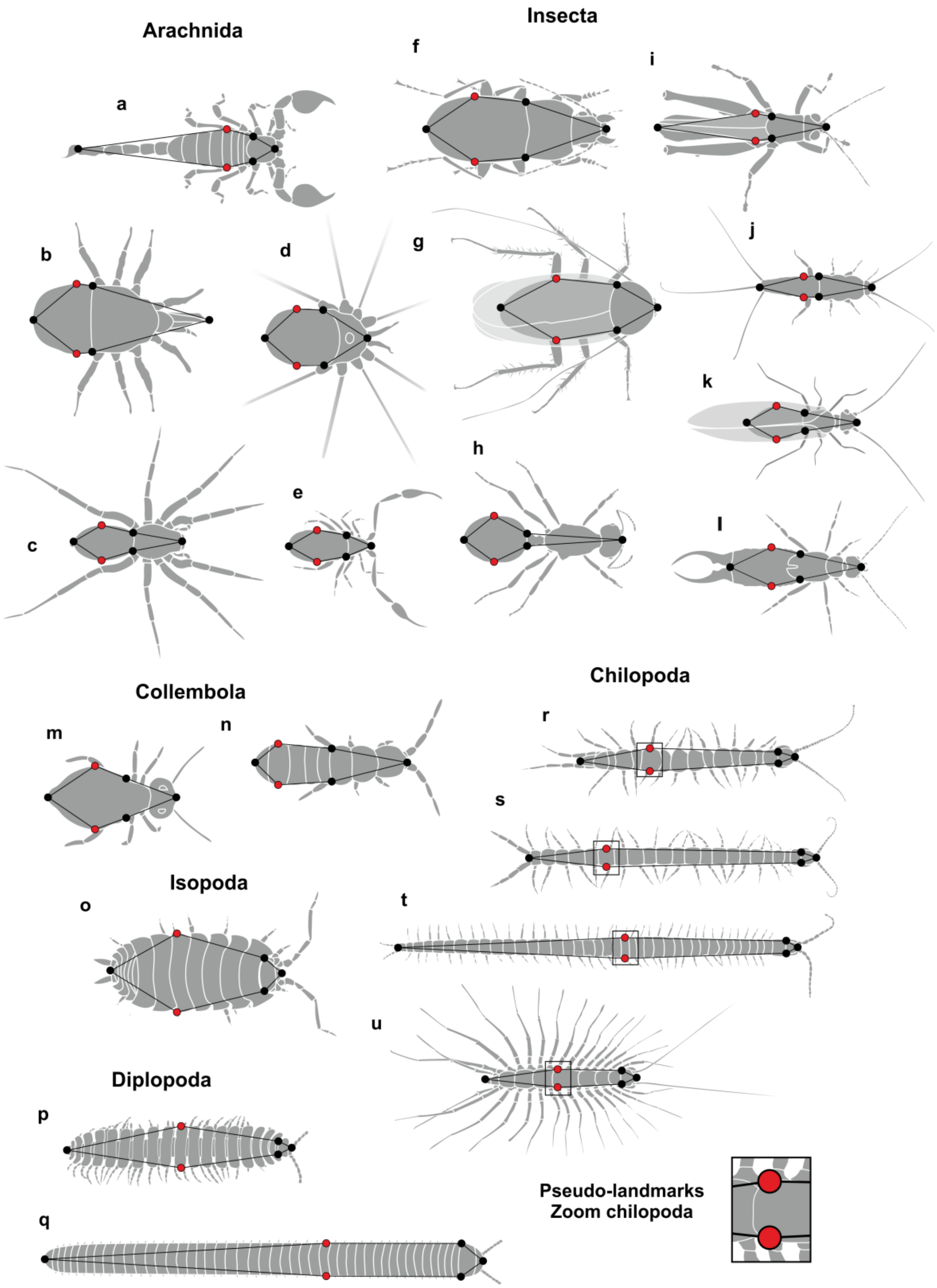

Fig. S5. Procedure of shape analysis for each of the 51 families and 13 orders of arthropods included in our set of equations. The PCGM scores were averaged at each taxonomic level appearing in bold using the data (photographs) from their lower taxonomic level. For example, we obtained the PCGM scores for each of the 16 families of coleoptera and we then obtained a mean value for coleoptera by averaging the family values.

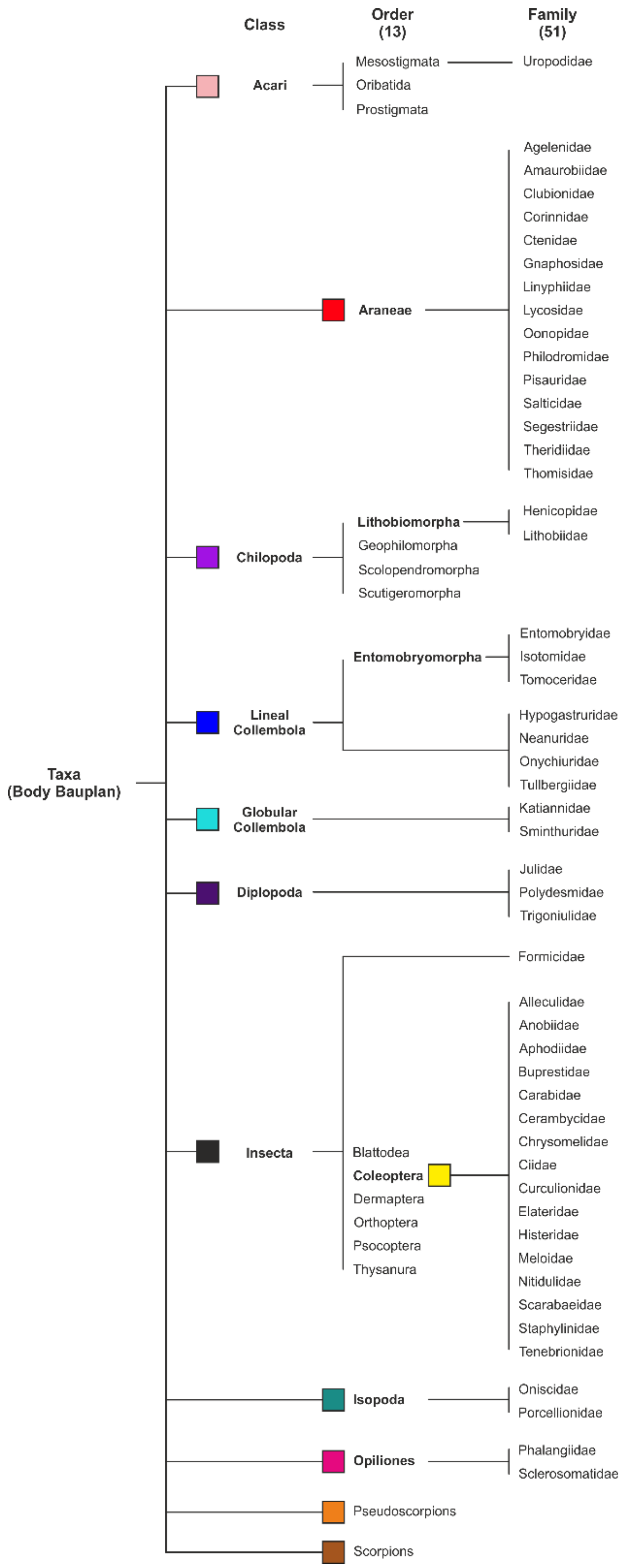

Fig. S6. Three major Principal Components obtained after the geometric morphometric analyses. The consensus shape is shown in light blue and the changes in shape caused by each axis in dark blue. Some representative arthropods for negative, intermediate and positive values of each axis are also shown. The first principal component (PCGM1) represents the slenderness with reduction of cephalic area. PCGM2 represents the body thickness. PCGM3 represents the relative abdomen volume.

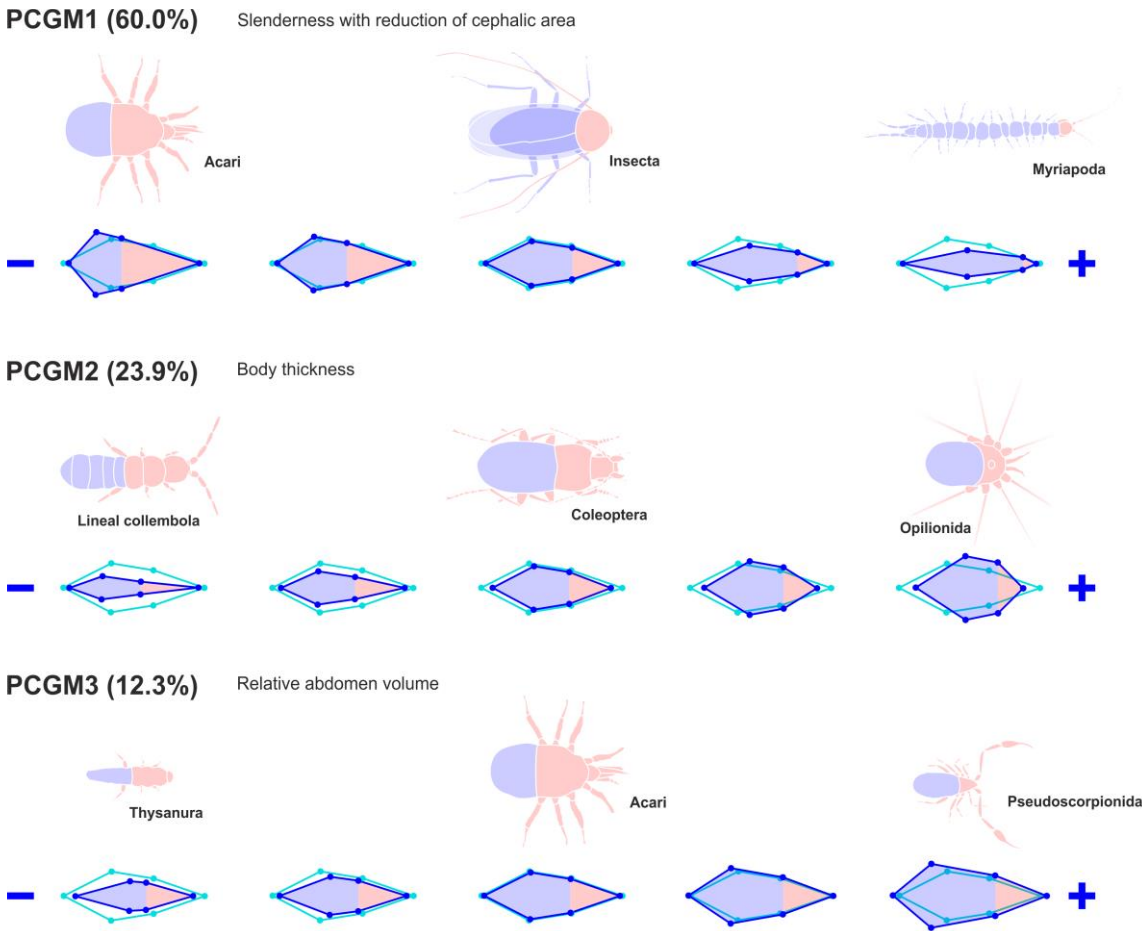

Fig. S7. Number of equations for each arthropod taxa and type of feeding habits. a) Classification depending on type of feeding habits, and b) classification depending on the trophic level to which they belong according to their feeding habits.

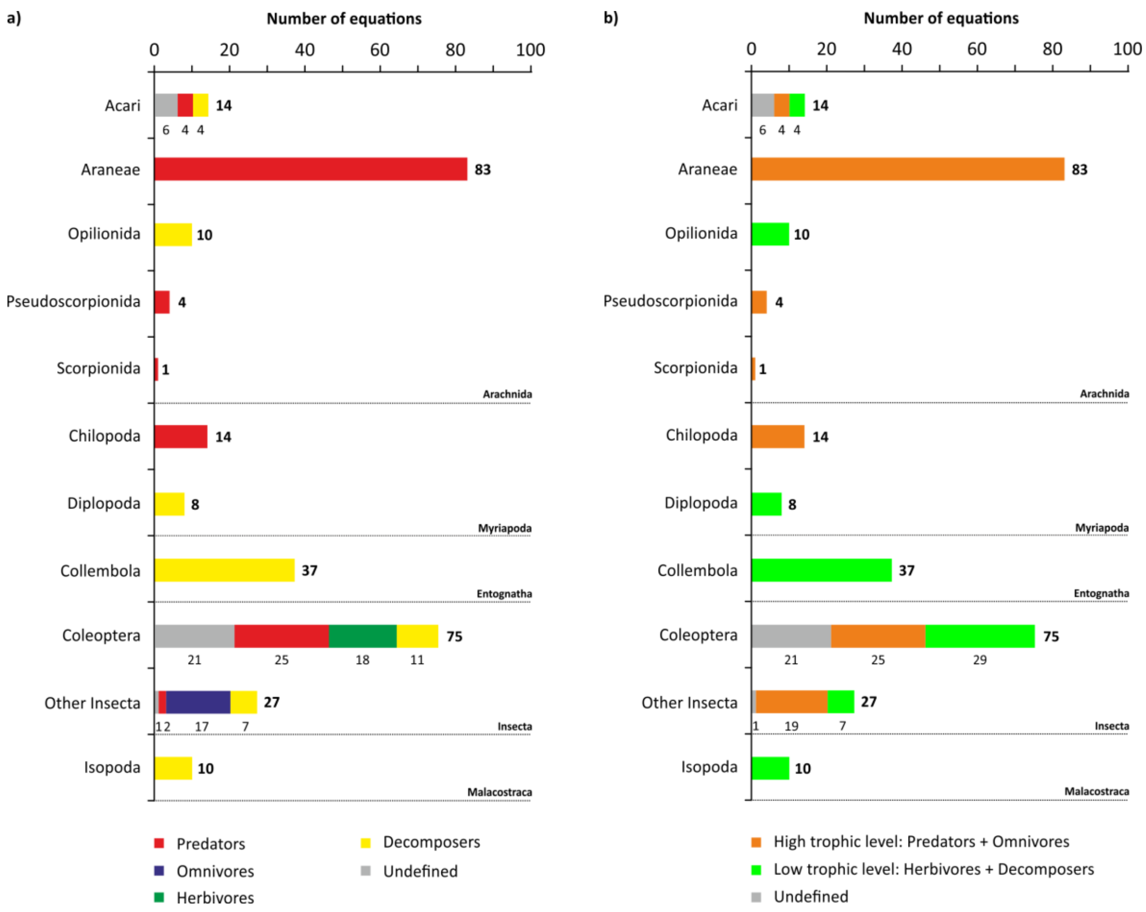

Fig. S8 Number of equations for each arthropod taxa and type of allometry. a) Classification depending on whether equations were fitted within *vs.* among species, or within *vs.* among instars, and b) classification depending on whether allometries were evolutionary, ontogenetic or static.

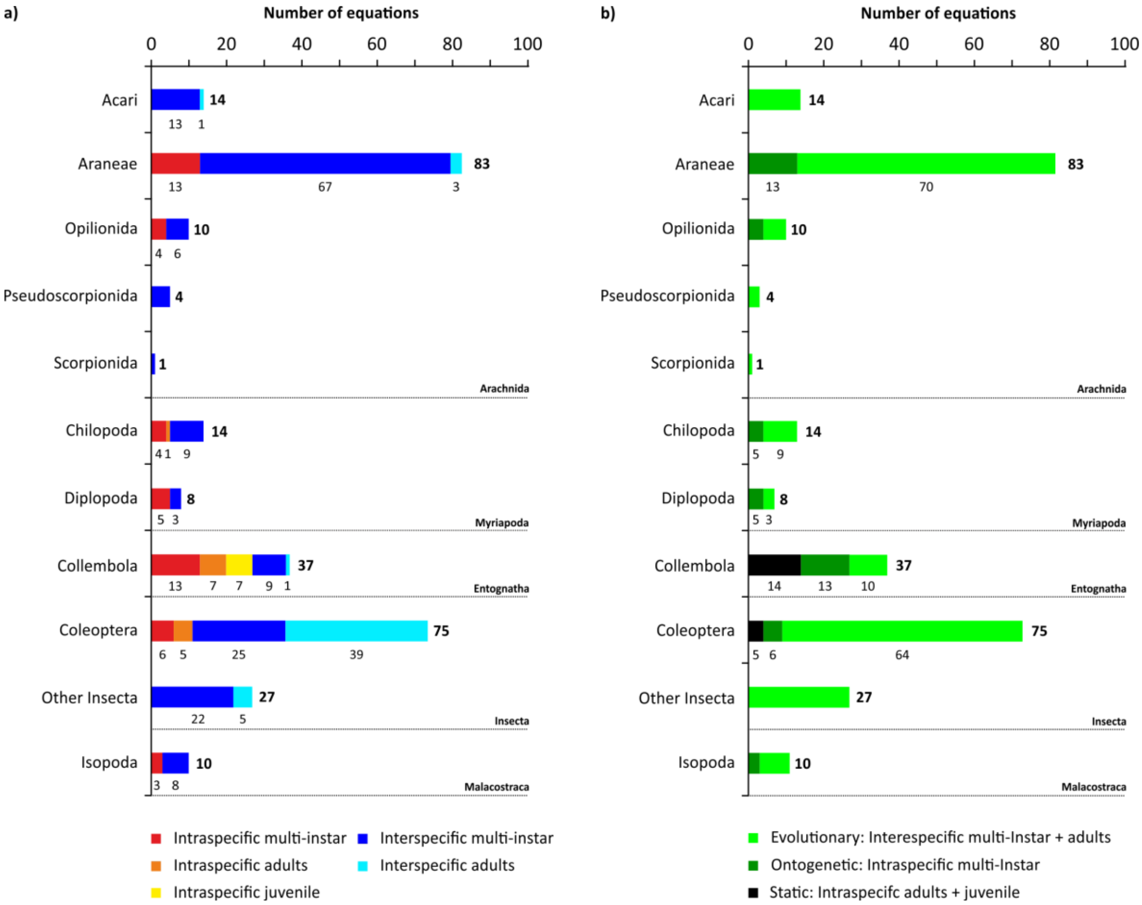

Fig. S9. Relationship between scaling and allometric factors as applied to mass-length equations. a) There is a relationship between scaling factor *a* and allometric factor *b* that depends on the cross-linking position of the allometric equations 1 and 2. Case 1: the equation 1 and 2 intersect when Ln length is equal to 1, the value of allometric factor b1 is higher than b2 and the value of a1 and a2 is the same. Case 2: the equation 1 and 2 intersect when Ln length is higher than 1, the value of allometric factor b1 is higher than b2 and the value of a1 is lower than a2 and a negative correlation between the factors arises. Case 3: the equation 1 and 2 intersect when Ln length is lower than 1, the value of allometric factor b1 is higher than b2 and the value of a1 is higher than a2 (positive correlation between the factors). Modified from Fig. 1 in White & Gould 1965.

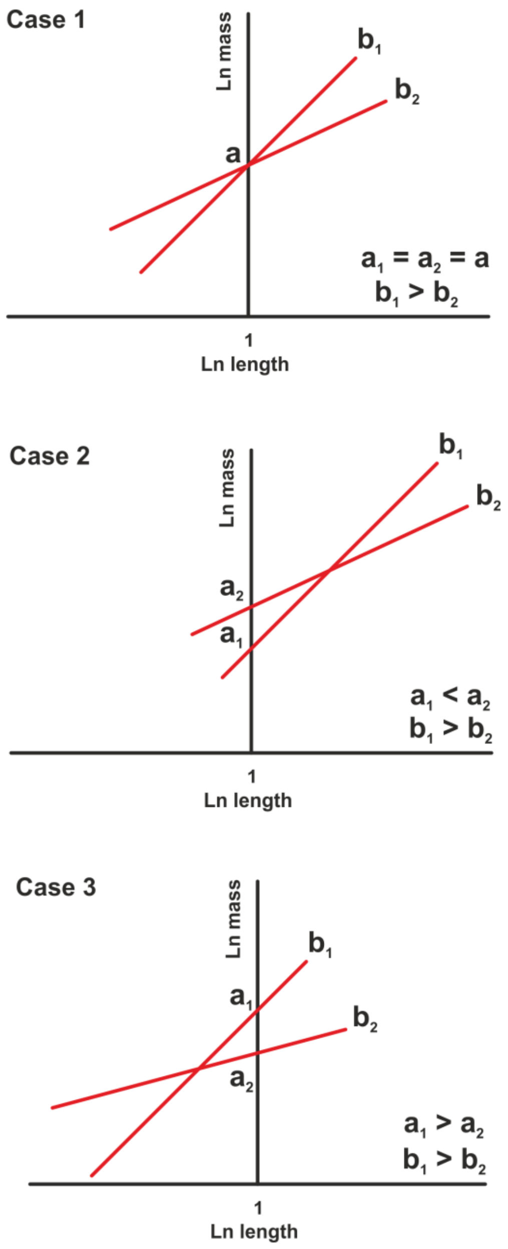

Fig. S10. Spatial autocorrelation for the models on the scaling factor *a*. Depicted are residuals of models before (blue, left) and after (red, right) correction. a) Base model including the reciprocal factor *b*, class and NDVI as covariates, b) Shape model including the previous covariates plus shape PCs (PCGM1, PCGM2 and PCGM3), c) Geographic model including the variables in the model b plus absolute latitude, longitude and altitude, and d) Full model including the variables in the model in c plus MAT and MAP. The red models include lag1 as a covariate. Blue and red areas represent 95% confidence bands.

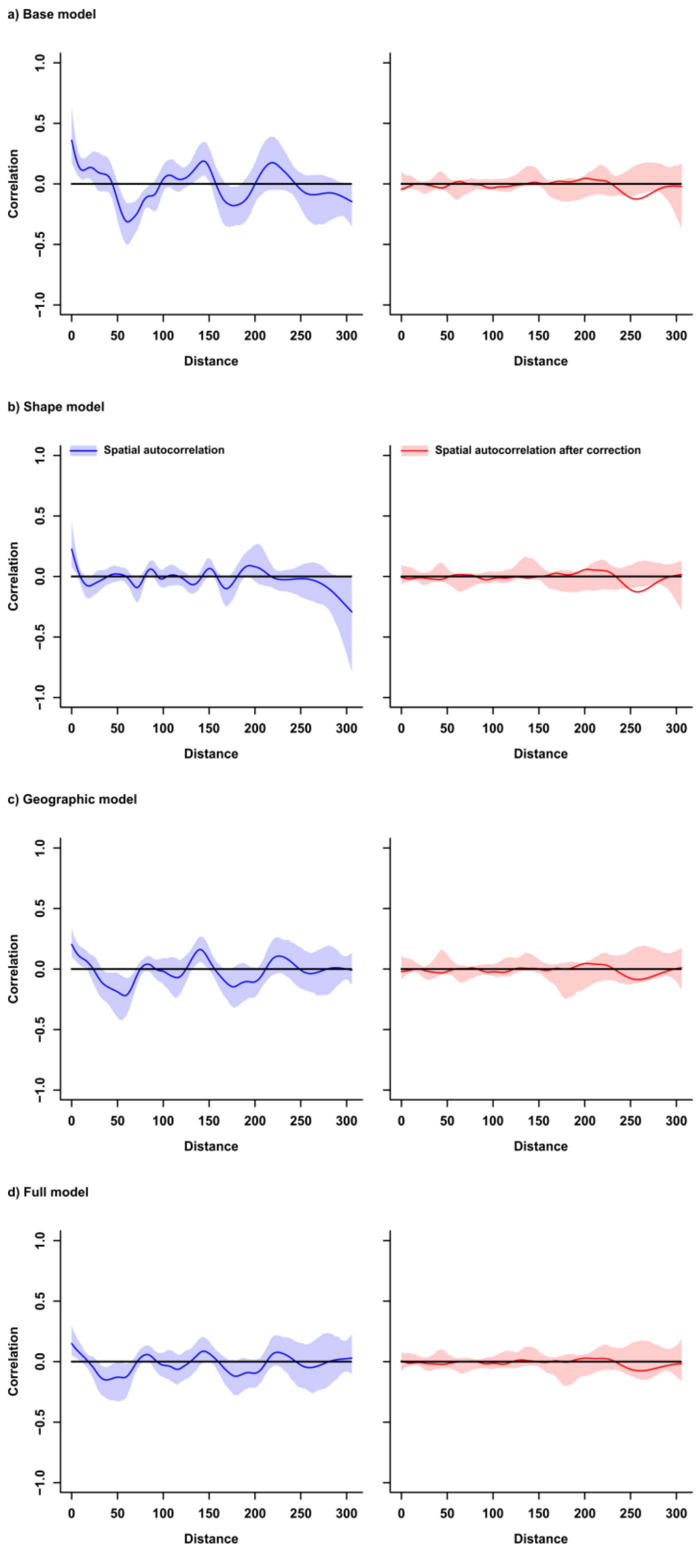

Fig. S11. Spatial autocorrelation for the models on the allometric factor *b*. Depicted are residuals of models before (blue, left) and after (red, right) correction. a) Base model including the reciprocal factor *a*, class and NDVI as covariates, b) Shape model including the previous covariates plus shape PCs (PCGM1, PCGM2 and PCGM3), c) Geographic model including the variables in the model b plus absolute latitude, longitude and altitude, and d) Full model including the variables in the model in c plus MAT and MAP. The red models include lag1 as a covariate. Blue and red areas represent 95% confidence bands.

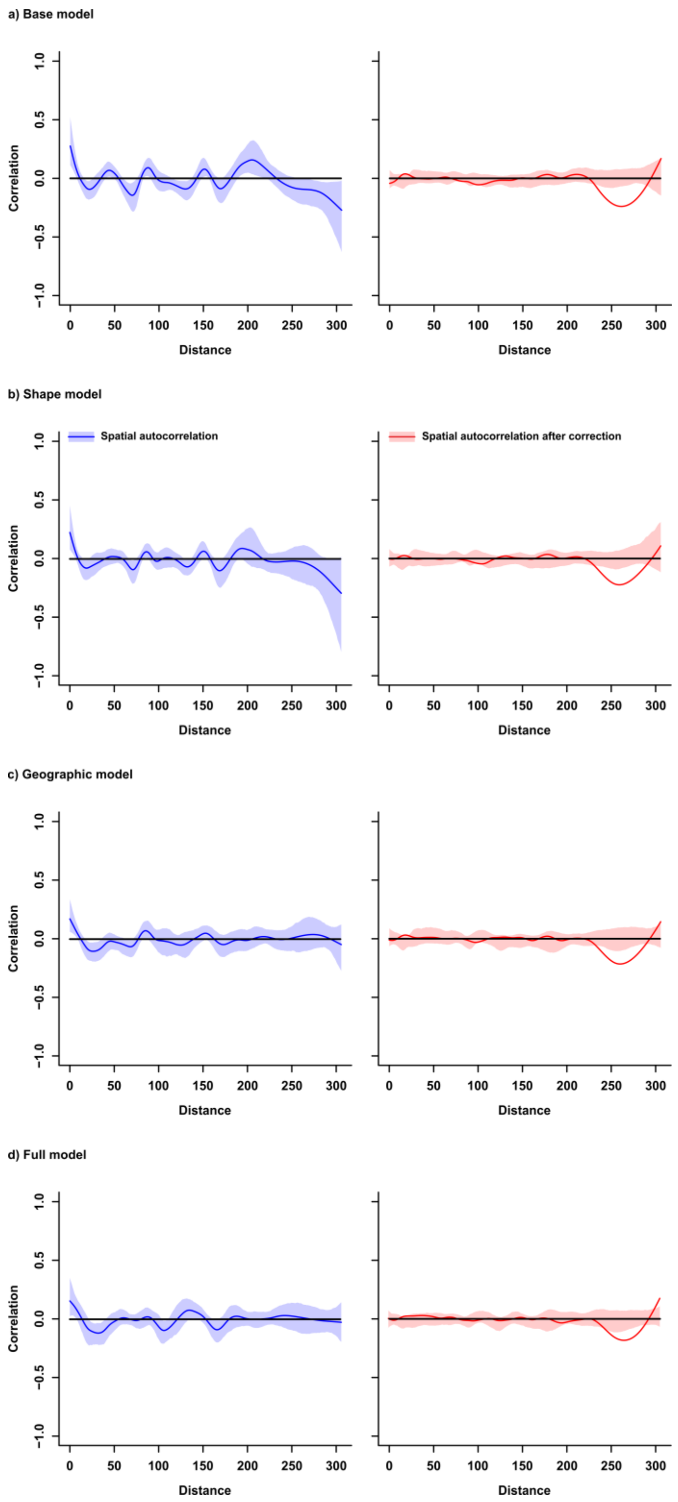

Fig. S12. Pairwise post-hoc analysis (Tukey tests in package "multcomp") among taxonomic classes. For a) the scaling factor *a,* and b) allometric factor *b*. Both analysis were performed with the Full model, which included the shape PCs. In mass-length relationship M = aL^b, M is mass (mg) and L is length (mm).

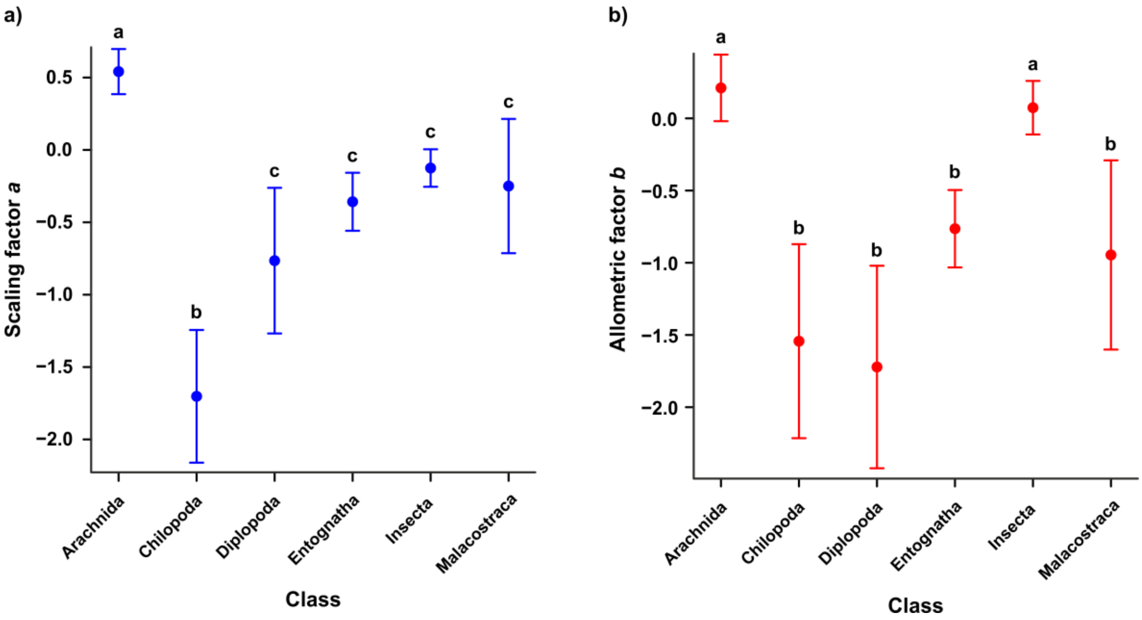

Fig. S13. Interaction between type of allometry and NDVI. For a) the scaling factor *a,* and b) allometric factor *b*. Both analysis were performed by expanding the Full model. Blue areas represent 95% confidence bands. NDVI is a proportion of a difference that range between -1 and 1. In mass-length relationship M = aL^b, M is mass (mg) and L is length (mm).

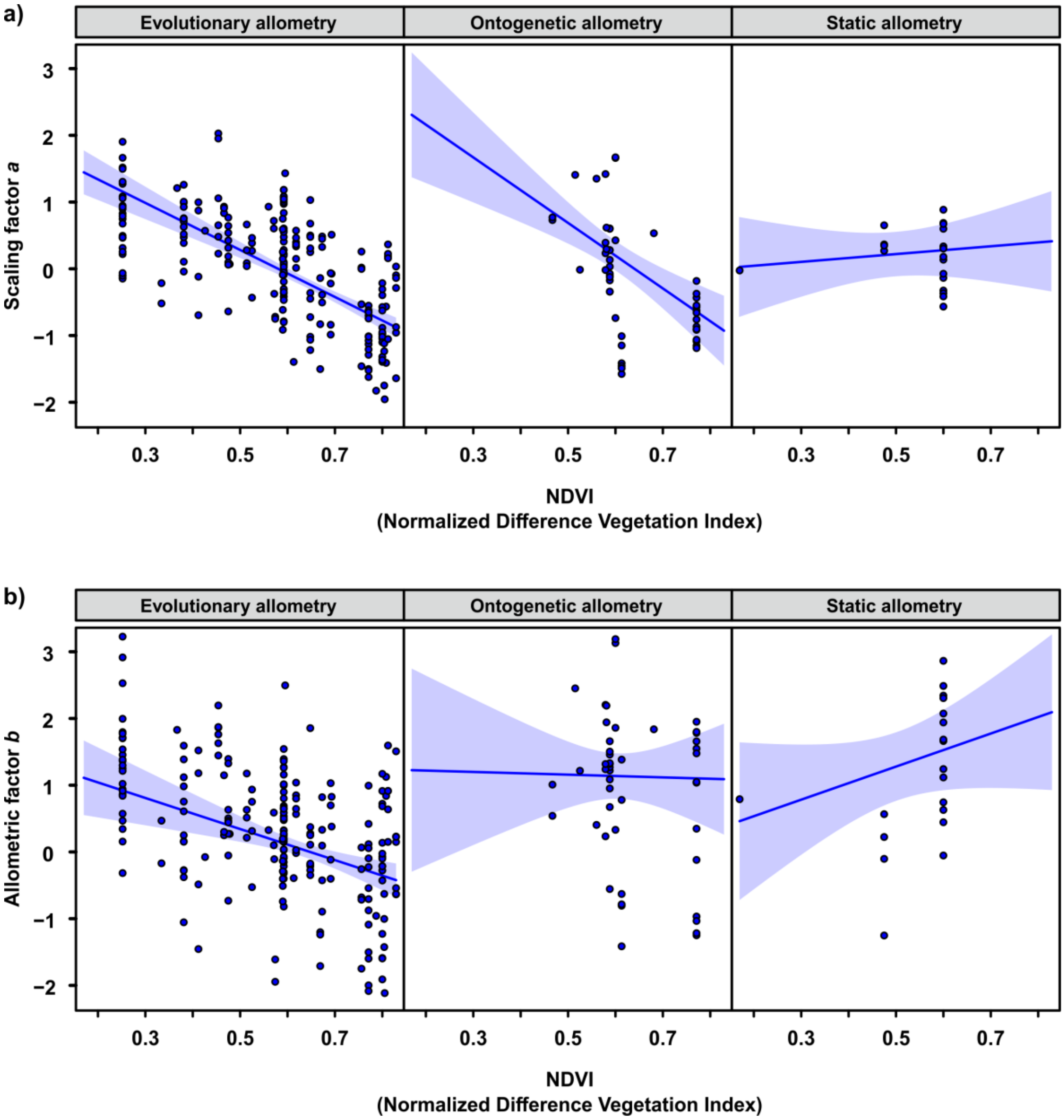

Fig. S14. Interaction between type of feeding habits and NDVI for allometric factor *b*. Interaction between four types: predators, omnivores, herbivores and detritivores. The analysis was performed by expanding the Full model. Blue areas represent 95% confidence bands. NDVI is a proportion of a difference that range between -1 and 1. In mass-length relationship $M = aL^b$, M is mass (mg) and L is length (mm).

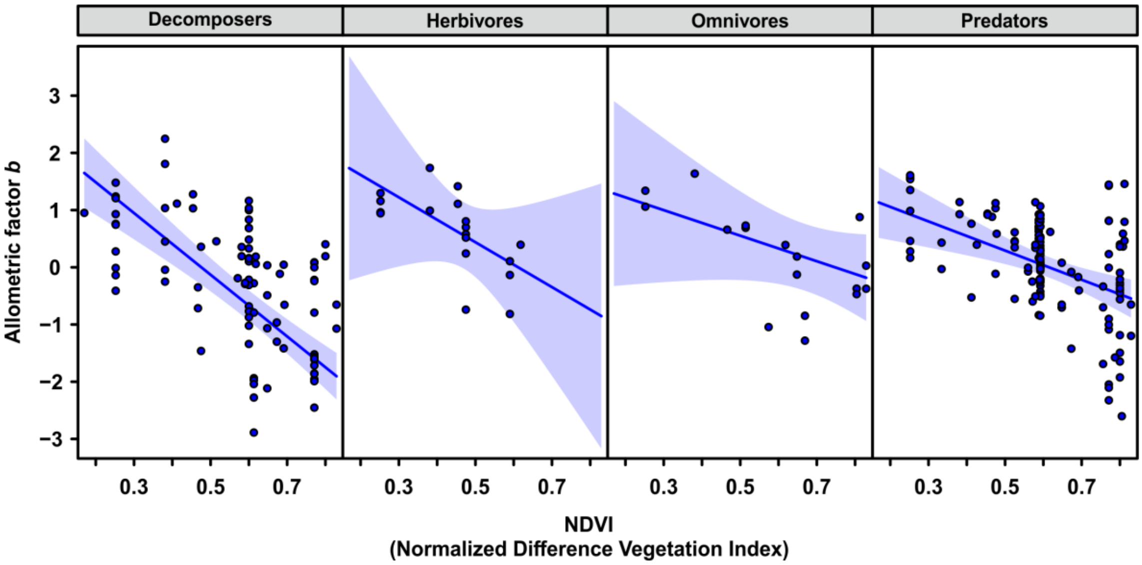

Table S1: Database using to evaluate scaling factor *a* and allometric factor *b*.

Code	Class	a	b	SE a	SE b	NLS a	NLS b	OLS a	OLS b	Normal a	Normal b	Normal a2	Normal b2	Original equation	Site	Reference
1	Arachnida	0.0530	2.4940	0.2560	0.2970	0.0530	2.4940	0.0530	2.4940	0.0438	2.4997	0.7786	-0.5265	2	11	Hódar 1996
2	Arachnida	0.1423	3.0930	---	---	0.1522	3.4517	0.1423	3.0930	0.0694	3.0794	0.7778	-0.1341	9	20	LeBrun 1971
3	Arachnida	0.0146	2.3300	---	---	0.0146	2.3300	0.0146	2.3300	0.0125	2.3538	-0.3667	-0.8727	2	23	McLaughlin *et al.* 2010
4	Arachnida	0.0393	2.7110	0.0104	0.0333	0.0393	2.7110	0.0393	2.7110	0.0362	2.7110	0.4999	-0.0280	3	24	Mercer *et al.* 2001
5	Arachnida	0.0177	2.2180	---	---	0.1267	5.7245	0.0104	1.9092	0.0053	2.0517	-0.3178	-1.3061	9	25	Newton & Proctor 2013
6	Arachnida	0.0397	2.7610	0.1710	0.3090	0.0397	2.7610	0.0397	2.7610	0.0364	2.7610	0.4850	0.0512	2	30	Rogers *et al.* 1977
7	Arachnida	0.0348	2.8570	0.0198	0.1067	0.0348	2.8570	0.0348	2.8570	0.0331	2.8566	0.3847	0.2793	3	24	Mercer *et al.* 2001
8	Arachnida	0.0353	2.7400	---	---	0.0340	2.5697	0.0353	2.7400	0.0335	2.7400	0.3947	0.0120	9	25	Newton & Proctor 2013
9	Arachnida	0.0137	1.7000	---	---	0.0137	1.7000	0.0137	1.7000	0.0111	1.9356	-0.3951	-1.7927	2	23	McLaughlin *et al.* 2010
10	Arachnida	0.0420	2.7700	0.0103	0.0357	0.0420	2.7700	0.0420	2.7700	0.0378	2.7700	0.5623	0.1097	3	24	Mercer *et al.* 2001
11	Arachnida	0.0432	3.0220	---	---	0.0548	3.7810	0.0432	3.0223	0.0386	3.0153	0.5740	0.6338	9	25	Newton & Proctor 2013
12	Arachnida	0.0516	2.7900	0.1030	0.2070	0.0516	2.7900	0.0516	2.7900	0.0431	2.7900	0.7239	0.1444	2	30	Rogers *et al.* 1977
13	Arachnida	0.0399	2.8080	0.0467	0.1107	0.0399	2.8080	0.0399	2.8080	0.0365	2.8080	0.4972	0.1699	3	24	Mercer *et al.* 2001
14	Arachnida	0.0104	1.9090	---	---	0.0352	2.8763	0.0177	2.2175	0.0168	2.2629	-0.1628	-1.0575	9	25	Newton & Proctor 2013
15	Arachnida	0.0572	2.5530	0.3260	0.3080	0.0572	2.5530	0.0572	2.5530	0.0457	2.5556	0.8492	-0.3988	2	6	Edwards & Gabriel 1998
16	Arachnida	0.0111	3.1840	0.3260	0.3080	0.0111	3.1840	0.0111	3.1840	0.0066	3.1578	-0.5137	1.0247	2	6	Edwards & Gabriel 1998
17	Arachnida	0.1312	2.6600	0.2350	0.0970	0.1312	2.6600	0.1312	2.6600	0.0673	2.6602	1.4169	-0.1539	2	6	Edwards 1996
18	Arachnida	0.0300	2.9990	0.2210	0.1190	0.0300	2.9990	0.0300	2.9990	0.0294	2.9936	0.2531	0.6381	2	6	Edwards & Gabriel 1998
19	Arachnida	0.0175	3.1980	0.2210	0.1190	0.0175	3.1980	0.0175	3.1980	0.0166	3.1694	-0.2053	1.0516	2	6	Edwards & Gabriel 1998
20	Arachnida	0.0490	2.6690	0.2080	1.3670	0.0490	2.6690	0.0490	2.6690	0.0418	2.6691	0.6344	-0.1434	2	4	Díaz & Díaz 1990
21	Arachnida	0.0416	2.7710	0.2780	0.1750	0.0416	2.7710	0.0416	2.7710	0.0376	2.7710	0.5534	0.1100	2	6	Edwards & Gabriel 1998
22	Arachnida	0.0396	2.8290	0.2780	0.1750	0.0396	2.8290	0.0396	2.8290	0.0364	2.8289	0.5077	0.2481	2	6	Edwards & Gabriel 1998
23	Arachnida	0.1227	2.8450	0.2370	0.1260	0.1227	2.8450	0.1227	2.8450	0.0655	2.8448	1.3456	0.2502	2	6	Edwards 1996
24	Arachnida	0.0403	2.4680	0.1080	0.0760	0.0403	2.4680	0.0403	2.4680	0.0368	2.4756	0.5244	-0.5844	2	7	Ganihar 1997
25	Arachnida	0.0365	2.9110	0.1120	0.0560	0.0365	2.9110	0.0365	2.9110	0.0343	2.9096	0.3159	0.4383	2	8	Gowing & Recher 1984

26	Arachnida	0.0433	2.5320	---	---	0.0433	2.5320	0.0433	2.5320	0.0386	2.5355	0.5882	-0.4456	2	9	Gruner 2003
27	Arachnida	0.0760	2.2450	0.0240	0.0710	0.0760	2.2450	0.0760	2.2450	0.0531	2.2844	1.0367	-1.0374	2	10	Henschel *et al.* 1996
28	Arachnida	0.1044	2.2960	0.3740	0.2020	0.1044	2.2960	0.1044	2.2960	0.0613	2.3255	1.4054	-0.9406	2	11	Hódar 1996
29	Arachnida	0.0067	3.4130	0.0050	0.2450	0.0067	3.4130	0.0067	3.4130	-0.0033	3.3337	-0.9379	1.3872	1	12	Höfer & Ott 2009
30	Arachnida	0.0198	3.1600	0.0250	0.1180	0.0198	3.1600	0.0198	3.1600	0.0194	3.1376	-0.1193	0.9066	1	12	Höfer & Ott 2009
31	Arachnida	0.0165	3.2420	0.0010	0.0140	0.0165	3.2420	0.0165	3.2420	0.0152	3.2053	-0.2361	1.1366	1	13	Höfer & Ott 2009
32	Arachnida	0.0280	3.1800	0.0030	0.0790	0.0280	3.1800	0.0280	3.1800	0.0277	3.1545	0.1910	1.0131	1	13	Höfer & Ott 2009
33	Arachnida	0.0165	3.2420	0.0010	0.0160	0.0165	3.2420	0.0165	3.2420	0.0152	3.2053	-0.2358	1.1365	1	13	Höfer & Ott 2009
34	Arachnida	0.0170	3.8810	0.0030	0.1230	0.0170	3.8810	0.0170	3.8810	0.0159	3.6099	-0.2408	1.9536	1	13	Höfer & Ott 2009
35	Arachnida	0.0507	2.8990	0.0090	0.0160	0.0507	2.8990	0.0507	2.8990	0.0426	2.8979	0.7358	0.4125	1	13	Höfer & Ott 2009
36	Arachnida	0.0255	3.2880	0.0100	0.0810	0.0255	3.2880	0.0255	3.2880	0.0255	3.2415	0.1077	1.2081	1	13	Höfer & Ott 2009
37	Arachnida	0.0507	2.8990	0.0100	0.0180	0.0507	2.8990	0.0507	2.8990	0.0426	2.8979	0.7359	0.4126	1	13	Höfer & Ott 2009
38	Arachnida	0.0216	3.7100	0.0110	0.1140	0.0216	3.7100	0.0216	3.7100	0.0215	3.5201	-0.0379	1.7638	1	13	Höfer & Ott 2009
39	Arachnida	0.1253	2.0390	0.3430	0.2350	0.1253	2.0390	0.1253	2.0390	0.0661	2.1342	1.3375	-1.3882	2	16	Johnson & Strong 2000
40	Arachnida	0.0409	2.2180	0.1650	0.1220	0.0409	2.2180	0.0409	2.2180	0.0372	2.2633	0.5352	-1.0863	2	16	Johnson & Strong 2000
41	Arachnida	0.0124	1.5200	---	---	0.0124	1.5200	0.0124	1.5200	0.0090	1.8496	-0.4384	-1.8678	2	23	McLaughlin *et al.* 2010
42	Arachnida	0.0448	2.9290	0.1890	0.2940	0.0448	2.9290	0.0448	2.9290	0.0395	2.9270	0.6023	0.4669	2	30	Rogers *et al.* 1977
43	Arachnida	0.0500	2.7400	0.0100	0.1100	0.0500	2.7400	0.0500	2.7400	0.0423	2.7400	0.4550	-0.1051	1	31	Sabo *et al.* 2002
44	Arachnida	0.1188	2.2300	0.1500	0.1100	0.1188	2.2300	0.1188	2.2300	0.0647	2.2726	1.2790	-1.0625	2	47	Wardhaugh 2013
45	Arachnida	0.0150	3.0400	---	---	0.0150	3.0400	0.0150	3.0400	0.0131	3.0316	-0.3447	0.6840	2	3	Clausen 1983
46	Arachnida	0.0280	2.7300	---	---	0.0280	2.7300	0.0280	2.7300	0.0277	2.7300	0.1869	0.0109	2	3	Clausen 1983
47	Arachnida	0.0190	2.9600	---	---	0.0190	2.9600	0.0190	2.9600	0.0185	2.9567	-0.1477	0.5106	2	3	Clausen 1983
48	Arachnida	0.0160	3.0000	---	---	0.0160	3.0000	0.0160	3.0000	0.0146	2.9945	-0.2917	0.6036	2	3	Clausen 1983
49	Arachnida	0.0096	3.2400	---	---	0.0096	3.2400	0.0096	3.2400	0.0036	3.2037	-0.6904	1.0510	2	3	Clausen 1983
50	Arachnida	0.0165	2.9600	---	---	0.0165	2.9600	0.0165	2.9600	0.0152	2.9567	-0.2663	0.5232	2	3	Clausen 1983
51	Arachnida	0.0105	3.1700	---	---	0.0105	3.1700	0.0105	3.1700	0.0055	3.1460	-0.6239	0.9372	2	3	Clausen 1983
52	Arachnida	0.0436	2.6360	0.2650	0.1390	0.0436	2.6360	0.0436	2.6360	0.0388	2.6365	0.5969	-0.2084	2	6	Edwards & Gabriel 1998
53	Arachnida	0.0242	2.9990	0.2650	0.1390	0.0242	2.9990	0.0242	2.9990	0.0242	2.9936	0.0644	0.6380	2	6	Edwards & Gabriel 1998

54	Arachnida	0.1158	2.6530	0.1880	0.1020	0.1158	2.6530	0.1158	2.6530	0.0640	2.6533	1.3719	-0.1656	2	6	Edwards 1996
55	Arachnida	0.0130	1.3300	---	---	0.0130	1.3300	0.0130	1.3300	0.0100	1.7700	-0.3989	-2.0313	2	23	McLaughlin *et al.* 2010
56	Arachnida	0.0405	2.5950	0.1650	0.1750	0.0405	2.5950	0.0405	2.5950	0.0369	2.5962	0.5281	-0.2971	2	6	Edwards & Gabriel 1998
57	Arachnida	0.0203	3.0540	0.1650	0.1750	0.0203	3.0540	0.0203	3.0540	0.0200	3.0443	-0.0821	0.7570	2	6	Edwards & Gabriel 1998
58	Arachnida	0.0170	3.2320	0.0020	0.0290	0.0170	3.2320	0.0170	3.2320	0.0159	3.1972	-0.2262	1.1161	1	13	Höfer & Ott 2009
59	Arachnida	0.0531	2.8860	0.0200	0.0340	0.0531	2.8860	0.0531	2.8860	0.0438	2.8852	0.7715	0.3821	1	13	Höfer & Ott 2009
60	Arachnida	0.0248	2.9300	0.3290	0.1980	0.0248	2.9300	0.0248	2.9300	0.0248	2.9280	0.0894	0.4797	2	6	Edwards & Gabriel 1998
61	Arachnida	0.0278	2.8450	0.3290	0.1980	0.0278	2.8450	0.0278	2.8450	0.0276	2.8448	0.1890	0.2822	2	6	Edwards & Gabriel 1998
62	Arachnida	0.0590	3.0550	0.2000	0.0980	0.0590	3.0550	0.0590	3.0550	0.0465	3.0453	0.8385	0.7281	2	6	Edwards 1996
63	Arachnida	0.0450	2.1300	---	---	0.0450	2.1300	0.0450	2.1300	0.0396	2.1975	0.6229	-1.2286	2	3	Clausen 1983
64	Arachnida	0.0189	2.6470	0.2600	0.2090	0.0189	2.6470	0.0189	2.6470	0.0184	2.6473	-0.0711	-0.1341	2	6	Edwards & Gabriel 1998
65	Arachnida	0.0632	2.5300	0.2600	0.2090	0.0632	2.5300	0.0632	2.5300	0.0483	2.5336	0.9433	-0.4476	2	6	Edwards & Gabriel 1998
66	Arachnida	0.1606	2.7540	0.3820	0.2160	0.1606	2.7540	0.1606	2.7540	0.0725	2.7540	1.5123	0.0511	2	6	Edwards 1996
67	Arachnida	0.0270	2.8800	0.0022	0.1034	0.0270	2.8800	0.0270	2.8800	0.0268	2.8793	0.1587	0.3612	1	19	Lang *et al.* 1997
68	Arachnida	0.0125	1.1600	---	---	0.0125	1.1600	0.0125	1.1600	0.0091	1.7068	-0.4038	-2.0611	2	23	McLaughlin *et al.* 2010
69	Arachnida	0.0940	2.3600	---	---	0.0940	2.3600	0.0940	2.3600	0.0586	2.3794	1.1585	-0.8109	2	2	Breymeyer 1967
70	Arachnida	0.2750	1.9800	---	---	0.2750	1.9800	0.2750	1.9800	0.0868	2.0956	1.7575	-1.4787	2	2	Breymeyer 1967
71	Arachnida	0.0522	2.6950	0.2710	0.0930	0.0522	2.6950	0.0522	2.6950	0.0434	2.6950	0.7634	-0.0700	2	6	Edwards & Gabriel 1998
72	Arachnida	0.0387	2.8040	0.2710	0.0930	0.0387	2.8040	0.0387	2.8040	0.0358	2.8040	0.4864	0.1877	2	6	Edwards & Gabriel 1998
73	Arachnida	0.1296	2.8420	0.2800	0.0830	0.1296	2.8420	0.1296	2.8420	0.0669	2.8418	1.3576	0.2441	2	6	Edwards 1996
74	Arachnida	0.0326	2.7390	0.0027	0.0542	0.0326	2.7390	0.0326	2.7390	0.0315	2.7390	0.3269	0.0377	1	19	Lang *et al.* 1997
75	Arachnida	0.0500	2.4590	0.0030	0.0940	0.0500	2.4590	0.0500	2.4590	0.0423	2.4673	0.7249	-0.5830	1	13	Höfer & Ott 2009
76	Arachnida	0.0393	2.6820	0.0070	0.0760	0.0393	2.6820	0.0393	2.6820	0.0362	2.6821	0.5002	-0.0997	1	13	Höfer & Ott 2009
77	Arachnida	0.0370	2.9300	---	---	0.0370	2.9300	0.0370	2.9300	0.0346	2.9280	0.3918	0.4050	2	3	Clausen 1983
78	Arachnida	0.0210	3.2800	---	---	0.0210	3.2800	0.0210	3.2800	0.0208	3.2353	-0.0729	1.0115	2	3	Clausen 1983
79	Arachnida	0.0544	2.7400	0.3880	0.1960	0.0544	2.7400	0.0544	2.7400	0.0445	2.7400	0.8023	0.0381	2	6	Edwards & Gabriel 1998
80	Arachnida	0.0711	2.6170	0.3880	0.1960	0.0711	2.6170	0.0711	2.6170	0.0514	2.6178	1.0451	-0.2518	2	6	Edwards & Gabriel 1998
81	Arachnida	0.1374	2.9400	0.1770	0.1140	0.1374	2.9400	0.1374	2.9400	0.0685	2.9376	1.3854	0.4179	2	6	Edwards 1996

82	Arachnida	0.0132	2.3600	---	---	0.0132	2.3600	0.0132	2.3600	0.0103	2.3794	-0.4452	-0.8140	2	23	McLaughlin *et al.* 2010
83	Arachnida	0.0155	3.2720	0.1780	0.1820	0.0155	3.2720	0.0155	3.2720	0.0138	3.2290	-0.2961	1.1861	2	6	Edwards & Gabriel 1998
84	Arachnida	0.0447	2.7430	0.1780	0.1820	0.0447	2.7430	0.0447	2.7430	0.0394	2.7430	0.6204	0.0446	2	6	Edwards & Gabriel 1998
85	Arachnida	0.1300	2.8470	0.1330	0.1410	0.1300	2.8470	0.1300	2.8470	0.0670	2.8467	1.3772	0.2416	2	6	Edwards 1996
86	Arachnida	0.0271	3.0270	0.2890	0.1200	0.0271	3.0270	0.0271	3.0270	0.0269	3.0196	0.1617	0.6926	2	6	Edwards & Gabriel 1998
87	Arachnida	0.0358	2.9040	0.2890	0.1200	0.0358	2.9040	0.0358	2.9040	0.0338	2.9027	0.4146	0.4224	2	6	Edwards & Gabriel 1998
88	Arachnida	0.1126	2.9010	0.2380	0.1500	0.1126	2.9010	0.1126	2.9010	0.0633	2.8998	1.2518	0.3188	2	6	Edwards 1996
89	Arachnida	0.0200	2.7500	---	---	0.0200	2.7500	0.0200	2.7500	0.0197	2.7500	-0.1040	0.0625	2	3	Clausen 1983
90	Arachnida	0.0450	2.9500	---	---	0.0450	2.9500	0.0450	2.9500	0.0396	2.9472	0.5650	0.4595	2	3	Clausen 1983
91	Arachnida	0.0700	2.8390	0.3170	0.1770	0.0700	2.8390	0.0700	2.8390	0.0510	2.8388	1.0301	0.2732	2	6	Edwards & Gabriel 1998
92	Arachnida	0.0322	3.2290	0.3170	0.1770	0.0322	3.2290	0.0322	3.2290	0.0312	3.1948	0.3173	1.1034	2	6	Edwards & Gabriel 1998
93	Arachnida	0.2066	2.9070	0.2680	0.1050	0.2066	2.9070	0.2066	2.9070	0.0791	2.9057	1.6652	0.3490	2	6	Edwards 1996
94	Arachnida	0.0706	2.9450	0.3290	0.1470	0.0706	2.9450	0.0706	2.9450	0.0512	2.9424	1.0222	0.5168	2	6	Edwards & Gabriel 1998
95	Arachnida	0.0467	2.7430	0.2030	0.1950	0.0467	2.7430	0.0467	2.7430	0.0405	2.7430	0.6609	0.0450	2	6	Edwards & Gabriel 1998
96	Arachnida	0.0895	2.7410	0.3290	0.1470	0.0895	2.7410	0.0895	2.7410	0.0573	2.7410	1.2358	0.0403	2	6	Edwards & Gabriel 1998
97	Arachnida	0.1932	2.9730	0.2940	0.1320	0.1932	2.9730	0.1932	2.9730	0.0774	2.9691	1.5915	0.4980	2	6	Edwards 1996
98	Arachnida	0.3539	1.5160	2.7440	1.5360	0.3539	1.5160	0.3539	1.5160	0.0939	1.8478	2.2865	-2.0621	5	7	Ganihar 1997
99	Arachnida	0.0580	2.5590	0.0120	0.1040	0.0580	2.5590	0.0580	2.5590	0.0461	2.5614	0.8124	-0.3856	2	10	Henschel *et al.* 1996
100	Arachnida	0.0405	2.9160	0.7570	0.5310	0.0405	2.9160	0.0405	2.9160	0.0369	2.9144	0.5281	0.4332	2	11	Hódar 1996
101	Arachnida	0.0420	3.8790	0.0090	0.1190	0.0420	3.8790	0.0420	3.8790	0.0378	3.6089	0.5269	1.6724	1	13	Höfer & Ott 2009
102	Arachnida	0.0441	3.6220	0.0280	0.1050	0.0441	3.6220	0.0441	3.6220	0.0391	3.4692	0.5830	1.4882	1	13	Höfer & Ott 2009
103	Arachnida	0.0193	1.7400	---	---	0.0193	1.7400	0.0193	1.7400	0.0188	1.9564	-0.1285	-1.7673	2	23	McLaughlin *et al.* 2010
104	Arachnida	0.0172	1.8300	---	---	0.0172	1.8300	0.0172	1.8300	0.0162	2.0055	-0.2220	-1.6767	2	23	McLaughlin *et al.* 2010
105	Arachnida	0.0166	2.0700	---	---	0.0166	2.0700	0.0166	2.0700	0.0154	2.1552	-0.2576	-1.3412	2	23	McLaughlin *et al.* 2010
106	Arachnida	0.0151	2.9500	---	---	0.0151	2.9500	0.0151	2.9500	0.0133	2.9472	-0.3444	0.3050	2	23	McLaughlin *et al.* 2010
107	Arachnida	0.0129	2.2600	---	---	0.0129	2.2600	0.0129	2.2600	0.0098	2.2963	-0.4548	-1.0056	2	23	McLaughlin *et al.* 2010
108	Arachnida	0.0570	2.5890	0.0030	0.1030	0.0570	2.5890	0.0570	2.5890	0.0457	2.5904	0.8494	-0.2756	1	13	Höfer & Ott 2009
109	Arachnida	0.0468	2.4530	0.0060	0.0710	0.0468	2.4530	0.0468	2.4530	0.0406	2.4619	0.6868	-0.4930	1	13	Höfer & Ott 2009

110	Arachnida	0.0237	2.1650	0.2290	0.2320	0.0237	2.1650	0.0237	2.1650	0.0237	2.2231	0.0847	-1.0809	2	16	Johnson & Strong 2000
111	Arachnida	0.0081	3.4400	0.1000	0.1700	0.0081	3.4400	0.0081	3.4400	0.0003	3.3525	-0.7753	1.4689	2	47	Wardhaugh 2013
112	Arachnida	0.0078	3.4240	1.1060	0.3790	0.0078	3.4240	0.0078	3.4240	-0.0005	3.3414	-0.5314	1.4102	2	11	Hódar 1996
113	Chilopoda	0.0174	2.1800	0.3290	0.1210	0.0174	2.1800	0.0174	2.1800	0.0165	2.2343	-0.3505	-1.0815	2	8	Gowing & Recher 1984
114	Chilopoda	0.0036	2.6260	0.9060	0.2710	0.0036	2.6260	0.0036	2.6260	-0.0139	2.6266	-1.2238	-0.1946	2	11	Hódar 1996
115	Chilopoda	0.0001	3.2260	---	---	0.0001	3.2260	0.0001	3.2260	-0.0394	3.1924	-1.9076	1.1039	1	17	Klarner *et al.* 2017
116	Chilopoda	0.0007	2.5260	---	---	0.0007	2.5260	0.0007	2.5260	-0.0320	2.5298	-1.5538	-0.1415	1	18	Klarner *et al.* 2017
117	Chilopoda	0.0026	2.3560	---	---	0.0078	2.0186	0.0026	2.3561	-0.0186	2.3760	-1.4870	-0.7905	9	26	Ruiz-Lupión, D (unpublished)
118	Chilopoda	0.0020	2.9280	0.0004	0.1015	0.0020	2.9280	0.0020	2.9280	-0.0220	2.9260	-1.6203	0.4789	1	19	Lang *et al.* 1997
119	Chilopoda	0.0271	2.5780	---	---	0.0058	2.7327	0.0005	3.6617	-0.0342	3.4926	-2.0755	1.6806	9	46	Voigtländer 2000
120	Chilopoda	0.1922	1.3060	---	---	0.0165	2.2074	0.0698	1.5355	0.0509	1.8565	0.5742	-2.0357	9	46	Voigtländer 2000
121	Chilopoda	0.0102	2.9650	---	---	0.0025	3.0883	0.0035	2.9580	-0.0143	2.9548	-1.3490	0.5426	9	46	Voigtländer 2007
122	Chilopoda	0.0133	2.8670	---	---	0.0084	2.6367	0.0045	2.8625	-0.0103	2.8621	-1.2033	0.3276	9	46	Voigtländer 2007
123	Chilopoda	0.0072	2.2080	---	---	0.0246	2.1599	0.0045	2.4713	-0.0103	2.4787	-1.2039	-0.5800	9	27	Ruiz-Lupión, D (unpublished)
124	Chilopoda	0.0012	2.8420	0.6290	0.1970	0.0012	2.8420	0.0012	2.8420	-0.0276	2.8418	-1.6552	0.2754	2	7	Ganihar 1997
125	Chilopoda	0.0020	2.6160	---	---	0.0020	2.6160	0.0020	2.6160	-0.0220	2.6168	-1.5905	-0.2549	3	29	Richardson *et al.* 2000
126	Chilopoda	0.0373	2.1010	0.2490	0.1060	0.0373	2.1010	0.0373	2.1010	0.0348	2.1768	0.3635	-1.2900	2	7	Ganihar 1997
127	Diplopoda	0.0101	2.5430	0.5170	0.1720	0.0101	2.5430	0.0101	2.5430	0.0047	2.5460	-0.6546	-0.4128	2	8	Gowing & Recher 1984
128	Diplopoda	0.0001	3.9090	1.4870	0.4700	0.0001	3.9090	0.0001	3.9090	-0.0394	3.6236	-1.7074	2.0559	2	11	Hódar 1996
129	Diplopoda	0.0083	2.6010	---	---	0.0083	2.6010	0.0083	2.6010	0.0007	2.6021	-0.7648	-0.2937	3	29	Richardson *et al.* 2000
130	Diplopoda	0.0090	2.5580	---	---	0.0300	2.5580	0.0300	2.5580	0.0294	2.5604	0.2535	-0.3876	9	22	Mazantseva 1975
131	Diplopoda	0.0117	2.4560	---	---	0.0375	2.4681	0.0389	2.4557	0.0359	2.4643	0.4898	-0.6139	9	22	Mazantseva 1975
132	Diplopoda	0.0023	2.9900	---	---	0.0023	2.9900	0.0023	2.9900	-0.0202	2.9852	-1.5455	0.5823	2	23	McLaughlin *et al.* 2010
133	Diplopoda	0.0041	2.7400	---	---	0.0041	2.7400	0.0041	2.7400	-0.0118	2.7400	-1.2533	-0.0197	2	23	McLaughlin *et al.* 2010
134	Diplopoda	0.0137	2.4860	---	---	0.0222	2.7041	0.0456	2.4864	0.0399	2.4926	0.5705	-0.6386	9	41	Shinohara *et al.* 2007
135	Entognatha	0.1534	2.3000	0.1870	0.3010	0.1534	2.3000	0.1534	2.3000	0.0713	2.3288	1.0308	-1.3909	2	7	Ganihar 1997
136	Entognatha	0.0056	2.8090	---	---	0.0056	2.8090	0.0056	2.8090	-0.0066	2.8090	-1.0663	0.1494	2	9	Gruner 2003
137	Entognatha	0.0024	3.6760	0.2230	0.2560	0.0024	3.6760	0.0024	3.6760	-0.0196	3.5008	-1.5112	1.3965	2	11	Hódar 1996

138	Entognatha	0.0073	1.7500	---	---	0.0073	1.7500	0.0073	1.7500	-0.0017	1.9616	-0.8889	-1.7959	2	23	McLaughlin *et al.* 2010
139	Entognatha	0.0065	1.9920	0.0951	0.3067	0.0065	1.9920	0.0065	1.9920	-0.0039	2.1033	-0.8035	-1.3313	3	24	Mercer *et al.* 2001
140	Entognatha	0.0008	2.5000	0.0440	0.3800	0.0008	2.5000	0.0008	2.5000	-0.0311	2.5053	-1.5909	-0.5160	3	43	Tanaka 1970
141	Entognatha	0.0108	2.9040	---	---	0.0108	2.9040	0.0108	2.9040	0.0060	2.9027	-0.6497	-0.0090	8	44	Van Straalen 1989
142	Entognatha	0.0262	2.0180	---	---	0.0003	3.5538	0.0262	2.0175	0.0261	2.1199	-0.0867	-1.4575	9	27	Ruiz-Lupión, D (unpublished)
143	Entognatha	0.0072	1.4200	---	---	0.0072	1.4200	0.0072	1.4200	-0.0020	1.8064	-0.8985	-2.1627	2	23	McLaughlin *et al.* 2010
144	Entognatha	0.0056	2.7990	0.0159	0.1357	0.0056	2.7990	0.0056	2.7990	-0.0066	2.7990	-1.0675	0.0241	3	28	Petersen 1975
145	Entognatha	0.0063	2.8810	0.0362	0.2034	0.0063	2.8810	0.0063	2.8810	-0.0045	2.8803	-0.9970	0.1235	3	28	Petersen 1975
146	Entognatha	0.0085	3.2230	0.0333	0.2584	0.0085	3.2230	0.0085	3.2230	0.0012	3.1899	-0.8774	0.4133	3	28	Petersen 1975
147	Entognatha	0.0046	2.4390	0.0602	0.1631	0.0046	2.4390	0.0046	2.4390	-0.0099	2.4491	-1.1882	-0.6466	3	28	Petersen 1975
148	Entognatha	0.0046	2.4390	0.0602	0.1631	0.0046	2.4390	0.0046	2.4390	-0.0099	2.4491	-1.1883	-0.6464	3	28	Petersen 1975
149	Entognatha	0.0047	2.1830	0.0745	0.2091	0.0047	2.1830	0.0047	2.1830	-0.0096	2.2366	-1.1654	-1.1494	3	28	Petersen 1975
150	Entognatha	0.0007	2.5600	0.0790	0.8300	0.0007	2.5600	0.0007	2.5600	-0.0320	2.5623	-1.6348	-0.3831	3	43	Tanaka 1970
151	Entognatha	0.0008	2.9900	0.0550	0.5000	0.0008	2.9900	0.0008	2.9900	-0.0311	2.9852	-1.7703	0.5837	3	43	Tanaka 1970
152	Entognatha	0.0008	3.2800	0.0970	1.0200	0.0008	3.2800	0.0008	3.2800	-0.0311	3.2353	-1.8438	1.0260	3	43	Tanaka 1970
153	Entognatha	0.0092	2.7440	0.0185	0.0482	0.0092	2.7440	0.0092	2.7440	0.0028	2.7440	-0.7436	-0.1749	3	28	Petersen 1975
154	Entognatha	0.0073	2.8820	---	---	0.0073	2.8820	0.0073	2.8820	-0.0017	2.8812	-0.8924	0.1368	8	44	Van Straalen 1989
155	Entognatha	0.0010	2.5500	0.0870	0.9300	0.0010	2.5500	0.0010	2.5500	-0.0292	2.5527	-1.5198	-0.4056	3	43	Tanaka 1970
156	Entognatha	0.0058	1.2700	---	---	0.0058	1.2700	0.0058	1.2700	-0.0060	1.7469	-1.0393	-2.2928	2	23	McLaughlin *et al.* 2010
157	Entognatha	0.0010	2.2400	0.0550	0.6700	0.0010	2.2400	0.0010	2.2400	-0.0292	2.2805	-1.3888	-1.0089	3	43	Tanaka 1970
158	Entognatha	0.0062	3.1260	0.0251	0.2129	0.0062	3.1260	0.0062	3.1260	-0.0048	3.1084	-1.0043	0.6447	3	28	Petersen 1975
159	Entognatha	0.0056	2.7690	0.0319	0.1961	0.0056	2.7690	0.0056	2.7690	-0.0066	2.7690	-1.0669	0.0772	3	28	Petersen 1975
160	Entognatha	0.0079	4.1490	0.0367	0.2663	0.0079	4.1490	0.0079	4.1490	-0.0002	3.7309	-0.9848	1.1914	3	28	Petersen 1975
161	Entognatha	0.0070	3.4680	0.0617	0.2454	0.0070	3.4680	0.0070	3.4680	-0.0025	3.3715	-0.9583	0.9213	3	28	Petersen 1975
162	Entognatha	0.0068	2.7250	0.0125	0.0688	0.0068	2.7250	0.0068	2.7250	-0.0031	2.7250	-0.9378	-0.0234	3	28	Petersen 1975
163	Entognatha	0.0056	2.5320	0.0291	0.1544	0.0056	2.5320	0.0056	2.5320	-0.0066	2.5355	-1.0637	-0.4410	3	28	Petersen 1975
164	Entognatha	0.0101	3.2080	0.0835	0.1604	0.0101	3.2080	0.0101	3.2080	0.0047	3.1777	-0.7190	0.6138	3	28	Petersen 1975
165	Entognatha	0.0070	2.8880	0.0500	0.2649	0.0070	2.8880	0.0070	2.8880	-0.0025	2.8871	-0.9188	0.2809	3	28	Petersen 1975

166	Entognatha	0.0006	2.7500	0.0370	0.3400	0.0006	2.7500	0.0006	2.7500	-0.0331	2.7500	-1.6120	0.0593	3	43	Tanaka 1970
167	Entognatha	0.0032	2.5040	0.0309	0.0877	0.0032	2.5040	0.0032	2.5040	-0.0156	2.5091	-1.3565	-0.5049	3	28	Petersen 1975
168	Entognatha	0.1199	3.6270	0.0561	0.1434	0.1199	3.6270	0.1199	3.6270	0.0649	3.4722	-0.0027	-0.3449	3	28	Petersen 1975
169	Entognatha	0.1199	3.6270	0.0561	0.1434	0.1199	3.6270	0.1199	3.6270	0.0649	3.4722	-0.0026	-0.3456	3	28	Petersen 1975
170	Entognatha	0.0084	2.3500	---	---	0.0084	2.3500	0.0084	2.3500	0.0010	2.3708	-0.7898	-0.8290	2	23	McLaughlin *et al.* 2010
171	Entognatha	0.0613	2.9250	---	---	0.0573	3.0020	0.0574	3.0011	0.0458	2.9956	0.4543	0.2401	9	45	Vannier 1973
172	Insecta	0.0079	3.1810	0.3250	0.1560	0.0079	3.1810	0.0079	3.1810	-0.0002	3.1553	-0.7555	1.0166	2	33	Sample *et al.* 1993
173	Insecta	0.0080	3.4630	---	---	0.0080	3.4630	0.0080	3.4630	0.0000	3.3682	-0.8131	1.5204	2	9	Gruner 2003
174	Insecta	0.0246	2.8240	0.3730	0.1910	0.0246	2.8240	0.0246	2.8240	0.0246	2.8239	0.0766	0.2331	2	11	Hódar 1996
175	Insecta	0.0105	3.1730	0.2110	0.0910	0.0105	3.1730	0.0105	3.1730	0.0055	3.1486	-0.5415	1.0030	2	11	Hódar 1996
176	Insecta	0.0168	2.7520	---	---	0.0168	2.7520	0.0168	2.7520	0.0157	2.7520	-0.2515	0.0637	2	9	Gruner 2003
177	Insecta	0.0080	3.2140	0.5000	0.2030	0.0080	3.2140	0.0080	3.2140	0.0000	3.1826	-0.7432	1.0829	2	11	Hódar 1996
178	Insecta	0.0307	2.6390	---	---	0.0307	2.6390	0.0307	2.6390	0.0300	2.6394	0.2718	-0.2011	1	15	Jarošik 1989
179	Insecta	0.0237	2.7050	0.0028	0.0522	0.0237	2.7050	0.0237	2.7050	0.0237	2.7050	0.0404	-0.0439	1	19	Lang *et al.* 1997
180	Insecta	0.0136	2.8390	---	---	0.0908	2.6178	0.0453	2.8388	0.0398	2.8386	0.5732	0.2699	9	21	Marcuzzi 1987
181	Insecta	0.0073	2.8200	---	---	0.0073	2.8200	0.0073	2.8200	-0.0017	2.8199	-0.8889	0.2248	2	23	McLaughlin *et al.* 2010
182	Insecta	0.0041	3.3600	---	---	0.0041	3.3600	0.0041	3.3600	-0.0118	3.2957	-1.2586	1.1842	2	23	McLaughlin *et al.* 2010
183	Insecta	0.0037	4.0600	---	---	0.0037	4.0600	0.0037	4.0600	-0.0134	3.6931	-1.3283	1.7030	2	23	McLaughlin *et al.* 2010
184	Insecta	0.0011	4.6400	---	---	0.0011	4.6400	0.0011	4.6400	-0.0284	3.9074	-1.8654	2.1282	2	23	McLaughlin *et al.* 2010
185	Insecta	0.0059	3.1900	---	---	0.0059	3.1900	0.0059	3.1900	-0.0057	3.1628	-1.0346	0.9217	2	23	McLaughlin *et al.* 2010
186	Insecta	0.0072	2.8700	---	---	0.0072	2.8700	0.0072	2.8700	-0.0020	2.8694	-0.8986	0.3347	2	23	McLaughlin *et al.* 2010
187	Insecta	0.0138	2.1300	---	---	0.0138	2.1300	0.0138	2.1300	0.0113	2.1975	-0.4118	-1.2198	2	23	McLaughlin *et al.* 2010
188	Insecta	0.0720	2.4010	0.0110	0.0510	0.0720	2.4010	0.0720	2.4010	0.0517	2.4151	0.5423	-0.7440	1	31	Sabo *et al.* 2002
189	Insecta	0.0241	2.7550	0.2840	0.1330	0.0241	2.7550	0.0241	2.7550	0.0241	2.7550	0.0580	0.0711	2	33	Sample *et al.* 1993
190	Insecta	0.0020	3.5950	---	---	0.0215	2.8024	0.0024	3.5619	-0.0196	3.4325	-1.1442	1.6675	9	34	Santos Gómez 2013
191	Insecta	0.0100	3.0530	---	---	0.0100	3.0530	0.0100	3.0530	0.0045	3.0434	-0.5332	0.7635	9	35	Santos Gómez 2013
192	Insecta	0.0110	3.0150	---	---	0.0110	3.0150	0.0110	3.0150	0.0064	3.0085	-0.5901	0.6729	9	36	Santos Gómez 2013
193	Insecta	0.0230	2.6890	---	---	0.0230	2.6890	0.0230	2.6890	0.0230	2.6890	0.0139	-0.0838	9	37	Santos Gómez 2013

194	Insecta	0.0197	2.8480	0.5330	0.1870	0.0197	2.8480	0.0197	2.8480	0.0193	2.8477	-0.1073	0.2916	2	11	Hódar 1996
195	Insecta	0.0427	2.3710	0.4850	0.2120	0.0427	2.3710	0.0427	2.3710	0.0383	2.3889	0.5760	-0.7917	2	33	Sample *et al.* 1993
196	Insecta	0.0258	3.0830	0.6740	0.3250	0.0258	3.0830	0.0258	3.0830	0.0257	3.0705	0.1180	0.8145	2	11	Hódar 1996
197	Insecta	0.2444	2.2570	---	---	1.1413	2.1484	0.8145	2.2574	0.1242	2.2943	2.0962	-1.1182	9	21	Marcuzzi 1987
198	Insecta	0.0883	2.1710	0.4640	0.2780	0.0883	2.1710	0.0883	2.1710	0.0570	2.2276	1.2050	-1.1378	2	33	Sample *et al.* 1993
199	Insecta	0.0247	3.1020	---	---	0.0247	3.1020	0.0247	3.1020	0.0247	3.0873	0.0528	0.8085	2	9	Gruner 2003
200	Insecta	0.0131	3.1480	0.1730	0.2760	0.0131	3.1480	0.0131	3.1480	0.0101	3.1273	-0.5061	0.7413	3	1	Beaver & Baldwin 1975
201	Insecta	0.0370	2.4920	0.0850	0.5230	0.0370	2.4920	0.0370	2.4920	0.0346	2.4979	0.3930	-0.5305	2	4	Díaz & Díaz 1990
202	Insecta	0.0380	2.4630	0.0660	0.0420	0.0380	2.4630	0.0380	2.4630	0.0353	2.4710	0.4696	-0.5949	2	7	Ganihar 1997
203	Insecta	0.0367	2.6890	0.2580	0.1480	0.0367	2.6890	0.0367	2.6890	0.0344	2.6890	0.2658	-0.0832	2	8	Gowing & Recher 1984
204	Insecta	0.0339	2.3840	---	---	0.0339	2.3840	0.0339	2.3840	0.0324	2.4002	0.3627	-0.7565	2	9	Gruner 2003
205	Insecta	0.0336	2.3470	---	---	0.0336	2.3470	0.0336	2.3470	0.0322	2.3682	0.3555	-0.8271	2	9	Gruner 2003
206	Insecta	0.0410	2.6400	0.1950	0.0800	0.0410	2.6400	0.0410	2.6400	0.0372	2.6404	0.5398	-0.1982	2	11	Hódar 1996
207	Insecta	0.0569	2.1660	0.2260	0.1580	0.0569	2.1660	0.0569	2.1660	0.0456	2.2239	0.7367	-1.1803	2	16	Johnson & Strong 2000
208	Insecta	0.0392	2.5130	0.1950	0.1280	0.0392	2.5130	0.0392	2.5130	0.0361	2.5175	0.4229	-0.4834	2	16	Johnson & Strong 2000
209	Insecta	0.0059	2.9100	---	---	0.0059	2.9100	0.0059	2.9100	-0.0057	2.9086	-1.0329	0.4145	2	23	McLaughlin *et al.* 2010
210	Insecta	0.0192	3.0160	0.0217	0.0298	0.0192	3.0160	0.0192	3.0160	0.0187	3.0094	-0.1380	0.6722	3	24	Mercer *et al.* 2001
211	Insecta	0.0245	2.8540	---	---	0.0245	2.8540	0.0245	2.8540	0.0245	2.8537	0.0528	0.2036	3	29	Richardson *et al.* 2000
212	Insecta	0.0314	2.7900	0.1050	0.0500	0.0314	2.7900	0.0314	2.7900	0.0305	2.7900	0.2869	0.1576	2	30	Rogers *et al.* 1977
213	Insecta	0.0400	2.6400	0.1400	0.0600	0.0400	2.6400	0.0400	2.6400	0.0366	2.6404	0.2315	-0.2589	1	31	Sabo *et al.* 2002
214	Insecta	0.0299	2.6690	---	---	0.0299	2.6690	0.0299	2.6690	0.0293	2.6691	0.2505	-0.1314	7	32	Sage 1982
215	Insecta	0.0574	2.5570	---	---	0.0574	2.5570	0.0574	2.5570	0.0458	2.5594	0.8108	-0.3880	7	32	Sage 1982
216	Insecta	0.0389	2.4920	0.1750	0.0810	0.0389	2.4920	0.0389	2.4920	0.0359	2.4979	0.4900	-0.5293	2	33	Sample *et al.* 1993
217	Insecta	0.0246	1.9900	0.1600	0.2700	0.0246	1.9900	0.0246	1.9900	0.0246	2.1020	0.1395	-1.1231	2	38	Schoener 1980
218	Insecta	0.0351	2.1100	0.1020	0.1700	0.0351	2.1100	0.0351	2.1100	0.0333	2.1832	0.4030	-1.1009	2	39	Schoener 1980
219	Insecta	0.0378	1.9100	0.0950	0.1900	0.0378	1.9100	0.0378	1.9100	0.0352	2.0522	0.4652	-1.5757	2	40	Schoener 1980
220	Insecta	0.0408	2.5600	0.1400	0.0800	0.0408	2.5600	0.0408	2.5600	0.0371	2.5623	0.4518	-0.3789	2	47	Wardhaugh 2013
221	Insecta	0.0607	2.3150	---	---	0.0607	2.3150	0.0607	2.3150	0.0473	2.3413	0.8227	-0.9038	2	9	Gruner 2003

222	Insecta	0.1281	2.2540	0.5170	0.2620	0.1281	2.2540	0.1281	2.2540	0.0666	2.2916	1.4639	-1.0197	2	11	Hódar 1996
223	Insecta	0.0029	3.7220	---	---	0.0087	3.7759	0.0095	3.7217	0.0034	3.5266	-0.7001	1.7048	9	21	Marcuzzi 1987
224	Insecta	0.0198	2.9980	0.0190	0.0258	0.0198	2.9980	0.0198	2.9980	0.0194	2.9927	-0.1126	0.6341	3	24	Mercer *et al.* 2001
225	Insecta	0.0216	2.9430	0.0375	0.0475	0.0216	2.9430	0.0216	2.9430	0.0215	2.9405	-0.0379	0.5097	3	24	Mercer *et al.* 2001
226	Insecta	0.0843	1.5550	0.1025	0.2222	0.0843	1.5550	0.0843	1.5550	0.0558	1.8654	1.2144	-1.7591	3	24	Mercer *et al.* 2001
227	Insecta	0.0342	2.6400	0.3265	0.5371	0.0342	2.6400	0.0342	2.6400	0.0327	2.6404	0.3727	-0.1951	3	24	Mercer *et al.* 2001
228	Insecta	0.0264	2.8640	0.1532	0.1785	0.0264	2.8640	0.0264	2.8640	0.0263	2.8635	0.1387	0.3276	3	24	Mercer *et al.* 2001
229	Insecta	0.0252	2.9670	0.1496	0.2278	0.0252	2.9670	0.0252	2.9670	0.0252	2.9634	0.0975	0.5662	3	24	Mercer *et al.* 2001
230	Insecta	0.0199	3.0500	0.2450	0.1640	0.0199	3.0500	0.0199	3.0500	0.0196	3.0407	-0.1087	0.7405	2	30	Rogers *et al.* 1977
231	Insecta	0.0101	2.9390	0.3630	0.1500	0.0101	2.9390	0.0101	2.9390	0.0047	2.9366	-0.6276	0.5011	2	33	Sample *et al.* 1993
232	Insecta	0.0568	2.7060	0.7040	0.3480	0.0568	2.7060	0.0568	2.7060	0.0456	2.7060	0.8103	-0.0741	2	11	Hódar 1996
233	Insecta	0.0309	2.4830	0.5260	0.1700	0.0309	2.4830	0.0309	2.4830	0.0301	2.4895	0.2836	-0.5352	2	11	Hódar 1996
234	Insecta	0.0679	1.3080	---	---	0.0679	1.3080	0.0679	1.3080	0.0502	1.7614	0.9893	-2.1777	2	9	Gruner 2003
235	Insecta	0.0750	2.5820	0.2730	0.1090	0.0750	2.5820	0.0750	2.5820	0.0527	2.5836	1.0573	-0.3306	2	11	Hódar 1996
236	Insecta	0.1826	2.3410	---	---	1.1434	2.1391	0.6085	2.3408	0.1112	2.3630	1.8785	-0.9566	9	21	Marcuzzi 1987
237	Insecta	0.0865	2.4940	0.2580	0.1000	0.0865	2.4940	0.0865	2.4940	0.0564	2.4997	1.0902	-0.5283	2	33	Sample *et al.* 1993
238	Insecta	0.0023	3.3320	0.9110	0.3530	0.0023	3.3320	0.0023	3.3320	-0.0202	3.2750	-1.2538	1.2832	2	11	Hódar 1996
239	Insecta	0.0134	2.2600	0.0024	0.0974	0.0134	2.2600	0.0134	2.2600	0.0106	2.2963	-0.4107	-1.0041	1	19	Lang *et al.* 1997
240	Insecta	0.0092	2.8260	---	---	0.0000	5.4295	0.0305	2.8262	0.0298	2.8261	0.2591	0.1818	9	21	Marcuzzi 1987
241	Insecta	0.0068	2.0900	---	---	0.0323	3.2082	0.0068	2.0900	-0.0031	2.1691	-0.9230	-1.3083	2	23	McLaughlin *et al.* 2010
242	Insecta	0.0010	4.0260	0.0001	0.2880	0.0051	2.8752	0.0010	4.0260	-0.0292	3.6780	-1.8949	1.5530	1	31	Sabo *et al.* 2002
243	Insecta	0.0513	2.6690	0.4070	0.1500	0.0513	2.6690	0.0513	2.6690	0.0429	2.6691	0.7400	-0.1274	2	11	Hódar 1996
244	Insecta	0.0051	3.4620	---	---	0.0323	3.2082	0.0170	3.4620	0.0159	3.3675	-0.2414	1.4329	9	21	Marcuzzi 1987
245	Insecta	0.0474	2.6810	0.2040	0.0800	0.0474	2.6810	0.0474	2.6810	0.0409	2.6811	0.6273	-0.1019	2	30	Rogers *et al.* 1977
246	Insecta	0.0012	2.9830	---	---	0.0051	2.8752	0.0041	2.9830	-0.0118	2.9786	-0.8969	0.6195	9	42	Sokoloff *et al.* 1999
247	Insecta	0.0313	2.3580	---	---	0.0313	2.3580	0.0313	2.3580	0.0305	2.3776	0.2916	-0.7967	2	9	Gruner 2003
248	Insecta	0.0494	2.3440	0.5340	0.2820	0.0494	2.3440	0.0494	2.3440	0.0420	2.3657	0.7135	-0.8277	2	11	Hódar 1996
249	Insecta	0.0187	2.7600	0.1700	0.0900	0.0187	2.7600	0.0187	2.7600	0.0181	2.7600	-0.1611	0.0857	2	47	Wardhaugh 2013

250	Insecta	0.0080	2.7980	0.0730	0.0260	0.0080	2.7980	0.0080	2.7980	0.0000	2.7980	-0.7929	0.1721	6	7	Ganihar 1997
251	Insecta	0.0015	3.4970	0.6590	0.2510	0.0015	3.4970	0.0015	3.4970	-0.0253	3.3908	-1.5300	1.5544	2	11	Hódar 1996
252	Insecta	0.0240	2.2080	0.0400	1.0360	0.0240	2.2080	0.0240	2.2080	0.0240	2.2556	0.0000	-1.1042	2	4	Díaz & Díaz 1990
253	Insecta	0.0432	2.3450	0.1800	0.0980	0.0432	2.3450	0.0432	2.3450	0.0386	2.3665	0.5130	-0.8471	2	7	Ganihar 1997
254	Insecta	0.0104	2.7630	0.5240	0.2940	0.0104	2.7630	0.0104	2.7630	0.0053	2.7630	-0.6225	0.0933	2	11	Hódar 1996
255	Insecta	0.0186	2.6950	---	---	0.0186	2.6950	0.0186	2.6950	0.0180	2.6950	-0.1699	-0.0652	7	32	Sage 1982
256	Insecta	0.0102	2.1900	0.3040	0.6700	0.0102	2.1900	0.0102	2.1900	0.0049	2.2419	-0.5805	-0.9637	2	38	Schoener 1980
257	Insecta	0.0036	2.7200	0.2230	0.5100	0.0036	2.7200	0.0036	2.7200	-0.0139	2.7200	-1.1678	0.0103	2	39	Schoener 1980
258	Insecta	0.0063	2.3100	0.2490	0.4400	0.0063	2.3100	0.0063	2.3100	-0.0045	2.3371	-0.8960	-0.9137	2	40	Schoener 1980
259	Insecta	0.0061	3.1000	0.2000	0.1300	0.0061	3.1000	0.0061	3.1000	-0.0051	3.0856	-1.0125	0.7919	2	47	Wardhaugh 2013
260	Insecta	0.0747	1.6730	1.0150	0.4500	0.0747	1.6730	0.0747	1.6730	0.0526	1.9219	1.0047	-1.8863	2	7	Ganihar 1997
261	Insecta	0.1284	1.6980	0.0560	0.0320	0.1284	1.6980	0.1284	1.6980	0.0667	1.9346	1.4653	-1.8605	4	7	Ganihar 1997
262	Insecta	0.0747	1.6010	0.2920	0.1460	0.0747	1.6010	0.0747	1.6010	0.0526	1.8869	1.0587	-1.9723	2	11	Hódar 1996
263	Insecta	0.0292	2.4620	0.2670	0.1000	0.0292	2.4620	0.0292	2.4620	0.0288	2.4701	0.2290	-0.6045	2	7	Ganihar 1997
264	Insecta	0.0180	2.7200	---	---	0.0180	2.7200	0.0180	2.7200	0.0172	2.7200	-0.1933	-0.0143	2	9	Gruner 2003
265	Insecta	0.0255	2.6370	0.5610	0.2000	0.0255	2.6370	0.0255	2.6370	0.0255	2.6374	0.1080	-0.2010	2	11	Hódar 1996
266	Insecta	0.0488	2.5150	0.2840	0.1050	0.0488	2.5150	0.0488	2.5150	0.0417	2.5194	0.6326	-0.4815	2	30	Rogers *et al.* 1977
267	Insecta	0.0300	2.5500	0.0200	0.1500	0.0300	2.5500	0.0300	2.5500	0.0294	2.5527	0.0441	-0.5384	1	31	Sabo *et al.* 2002
268	Insecta	0.0200	2.7840	---	---	0.0200	2.7840	0.0200	2.7840	0.0197	2.7840	-0.1041	0.1356	7	32	Sage 1982
269	Insecta	0.0720	1.6500	0.3940	0.4700	0.0720	1.6500	0.0720	1.6500	0.0517	1.9105	1.0632	-1.8563	2	39	Schoener 1980
270	Insecta	0.0252	1.9600	0.6170	0.9400	0.0252	1.9600	0.0252	1.9600	0.0252	2.0830	0.1061	-1.5106	2	40	Schoener 1980
271	Insecta	0.0420	2.6100	0.1900	0.0900	0.0420	2.6100	0.0420	2.6100	0.0378	2.6109	0.3941	-0.3179	2	47	Wardhaugh 2013
272	Insecta	0.0136	3.1150	---	---	0.0136	3.1150	0.0136	3.1150	0.0110	3.0988	-0.4416	0.7760	2	9	Gruner 2003
273	Insecta	0.0425	1.6370	0.2840	0.3410	0.0425	1.6370	0.0425	1.6370	0.0381	1.9042	0.5731	-1.8141	2	11	Hódar 1996
274	Malacostraca	0.0291	2.2350	0.2780	0.0500	0.0291	2.2350	0.0291	2.2350	0.0287	2.2765	0.2835	-1.0519	4	7	Ganihar 1997
275	Malacostraca	0.0102	3.1600	0.5850	0.3430	0.0102	3.1600	0.0102	3.1600	0.0049	3.1376	-0.6474	0.9760	2	8	Gowing & Recher 1984
276	Malacostraca	0.0152	2.7700	---	---	0.0152	2.7700	0.0152	2.7700	0.0134	2.7700	-0.3024	0.1083	2	9	Gruner 2003
277	Malacostraca	0.0101	2.8440	0.5120	0.2040	0.0101	2.8440	0.0101	2.8440	0.0047	2.8438	-0.3863	0.2800	2	11	Hódar 1996

278	Malacostraca	0.0063	2.9100	---	---	0.0063	2.9100	0.0063	2.9100	-0.0045	2.9086	-0.9813	0.3970	2	23	McLaughlin *et al.* 2010
279	Malacostraca	0.0617	1.8540	---	---	0.0617	1.8540	0.0617	1.8540	0.0477	2.0192	0.9189	-1.6624	3	29	Richardson *et al.* 2000
280	Malacostraca	0.0347	3.3800	0.3500	0.2100	0.0347	3.3800	0.0347	3.3800	0.0330	3.3102	0.2695	0.9894	2	47	Wardhaugh 2013
281	Malacostraca	0.0107	2.4400	---	---	0.0107	2.4400	0.0107	2.4400	0.0058	2.4500	-0.6032	-0.6456	2	23	McLaughlin *et al.* 2010
282	Malacostraca	0.0044	3.3000	---	---	0.0044	3.3000	0.0044	3.3000	-0.0107	3.2507	-1.2120	1.0071	2	23	McLaughlin *et al.* 2010
283	Malacostraca	0.0031	3.6200	---	---	0.0031	3.6200	0.0031	3.6200	-0.0161	3.4680	-1.4091	1.3531	2	23	McLaughlin *et al.* 2010

*Code: Identification number of the equation.
*Taxonomic classification for each specimen (Class).
*a: Value standardized of scaling factor.
*b: Value of allometric factor.
*SE a: Standard error of the scaling factor a.
*SE b: Standard error of the allometric factor b.
*NLS a: Value of scaling factor a from fitted M-L equations using Nonlinear Least-Squares analysis (nls).
*NLS b: Value of allometric factor b fitted M-L equations using Nonlinear Least-Squares analysis (nls).
*OLS a: Value of scaling factor a fitted M-L equations using Ordinary Least-Squares analysis.
*OLS b: Value of allometric factor b fitted M-L equations using Ordinary Least-Squares analysis.
*Normal a: Normalized value of scaling factor a using Maximum Likelihood Estimation For Lambert W x F Distributions.
*Normal b: Normalized value of allometric factor b using Maximum Likelihood Estimation For Lambert W x F Distributions.
*Normal a2: Normalized value of scaling factor a using Maximum Likelihood Estimation For Lambert W x F Distributions on the residuals fo the model.
*Normal b2: Normalized value of allometric factor b using Maximum Likelihood Estimation For Lambert W x F Distributions on the residuals fo the model.
*Original equation: Type of equation used in the original study (Table S4).
*Site: Code of the point where field sampling of the original study was carried out by the authors in the Reference (Fig. 2, Table S3).
*Reference: Bibliographic reference.

Table S1: Database using to evaluate scaling factor *a* and allometric factor *b* (cont'd).

Code	Class	n	min Length (mm)	max Length (mm)	Range length (mm)	Mean length (mm)	Reference mean length	Original equation	Site	Reference
1	Arachnida	7	0.400	3.900	3.500	2.150	Original	2	11	Hódar 1996
2	Arachnida	44	0.220	1.511	1.291	0.866	Original	9	20	LeBrun 1971
3	Arachnida	1759	---	---	---	---	No Data	2	23	McLaughlin *et al.* 2010
4	Arachnida	281	0.582	0.730	0.148	0.485	Original	3	24	Mercer *et al.* 2001
5	Arachnida	25	0.110	1.020	0.910	0.319	Original	9	25	Newton & Proctor 2013
6	Arachnida	32	0.300	1.000	0.700	0.650	Original	2	30	Rogers *et al.* 1977
7	Arachnida	48	0.560	0.900	0.340	0.730	Original	3	24	Mercer *et al.* 2001
8	Arachnida	18	0.225	0.750	0.525	0.476	Original	9	25	Newton & Proctor 2013
9	Arachnida	1290	---	---	---	---	No Data	2	23	McLaughlin *et al.* 2010
10	Arachnida	164	0.240	1.160	0.920	0.598	Original	3	24	Mercer *et al.* 2001
11	Arachnida	35	0.180	1.020	0.840	0.473	Original	9	25	Newton & Proctor 2013
12	Arachnida	21	0.400	1.000	0.600	0.700	Original	2	30	Rogers *et al.* 1977
13	Arachnida	43	0.140	1.643	1.503	0.582	Original	3	24	Mercer *et al.* 2001
14	Arachnida	21	0.110	0.640	0.530	0.281	Original	9	25	Newton & Proctor 2013
15	Arachnida	29	7.400	19.100	11.700	13.250	Original	2	6	Edwards & Gabriel 1998
16	Arachnida	29	7.400	19.100	11.700	13.250	Original	2	6	Edwards & Gabriel 1998
17	Arachnida	39	4.500	13.500	9.000	9.000	Original	2	6	Edwards 1996
18	Arachnida	26	4.000	14.100	10.100	9.050	Original	2	6	Edwards & Gabriel 1998
19	Arachnida	26	4.000	14.100	10.100	9.050	Original	2	6	Edwards & Gabriel 1998
20	Arachnida	12	3.000	17.000	14.000	10.000	Original	2	4	Díaz & Díaz 1990
21	Arachnida	1990	2.500	19.100	16.600	10.800	Original	2	6	Edwards & Gabriel 1998
22	Arachnida	500	2.500	19.100	16.600	10.800	Original	2	6	Edwards & Gabriel 1998
23	Arachnida	405	1.500	23.500	22.000	12.500	Original	2	6	Edwards 1996
24	Arachnida	114	1.000	12.700	11.700	6.850	Original	2	7	Ganihar 1997
25	Arachnida	100	2.000	20.000	18.000	11.000	Original	2	8	Gowing & Recher 1984

26	Arachnida	52	1.550	7.400	5.850	4.475	Original	2	9	Gruner 2003
27	Arachnida	138	1.100	10.000	8.900	5.550	Original	2	10	Henschel *et al.* 1996
28	Arachnida	18	1.300	27.100	25.800	14.200	Original	2	11	Hódar 1996
29	Arachnida	99	1.350	28.000	26.650	7.080	Original	1	12	Höfer & Ott 2009
30	Arachnida	99	1.350	28.000	26.650	7.080	Original	1	12	Höfer & Ott 2009
31	Arachnida	313	0.560	36.000	35.440	4.830	Original	1	13	Höfer & Ott 2009
32	Arachnida	225	---	---	---	1.250	Original	1	13	Höfer & Ott 2009
33	Arachnida	253	---	---	---	4.638	Original	1	13	Höfer & Ott 2009
34	Arachnida	60	---	---	---	1.474	Original	1	13	Höfer & Ott 2009
35	Arachnida	313	0.560	36.000	35.440	4.830	Original	1	13	Höfer & Ott 2009
36	Arachnida	225	---	---	---	1.250	Original	1	13	Höfer & Ott 2009
37	Arachnida	253	---	---	---	4.638	Original	1	13	Höfer & Ott 2009
38	Arachnida	60	---	---	---	1.474	Original	1	13	Höfer & Ott 2009
39	Arachnida	20	1.100	15.100	14.000	8.100	Original	2	16	Johnson & Strong 2000
40	Arachnida	51	0.800	9.900	9.100	5.350	Original	2	16	Johnson & Strong 2000
41	Arachnida	68	---	---	---	---	No Data	2	23	McLaughlin *et al.* 2010
42	Arachnida	25	0.700	12.000	11.300	6.350	Original	2	30	Rogers *et al.* 1977
43	Arachnida	23	---	---	---	---	No Data	1	31	Sabo *et al.* 2002
44	Arachnida	99	1.500	9.600	8.100	5.550	Original	2	47	Wardhaugh 2013
45	Arachnida	92	4.000	7.000	3.000	5.500	Nentwig *et al*. 2019	2	3	Clausen 1983
46	Arachnida	63	6.000	13.000	7.000	8.750	Nentwig *et al*. 2019	2	3	Clausen 1983
47	Arachnida	38	7.000	11.000	4.000	8.750	Nentwig *et al*. 2019	2	3	Clausen 1983
48	Arachnida	193	5.500	8.750	3.250	7.667	Original	2	3	Clausen 1983
49	Arachnida	45	4.000	7.000	3.000	5.500	Nentwig *et al*. 2019	2	3	Clausen 1983
50	Arachnida	36	6.000	13.000	7.000	8.750	Nentwig *et al*. 2019	2	3	Clausen 1983
51	Arachnida	81	5.500	8.750	3.250	7.667	Original	2	3	Clausen 1983
52	Arachnida	26	2.500	11.100	8.600	6.800	Original	2	6	Edwards & Gabriel 1998
53	Arachnida	26	2.500	11.100	8.600	6.800	Original	2	6	Edwards & Gabriel 1998

54	Arachnida	27	2.200	8.500	6.300	5.500	Original	2	6	Edwards 1996
55	Arachnida	30	---	---	---	---	No Data	2	23	McLaughlin *et al.* 2010
56	Arachnida	10	3.200	11.200	8.000	7.200	Original	2	6	Edwards & Gabriel 1998
57	Arachnida	10	3.200	11.200	8.000	7.200	Original	2	6	Edwards & Gabriel 1998
58	Arachnida	74	1.300	36.000	34.700	12.430	Original	1	13	Höfer & Ott 2009
59	Arachnida	74	1.300	36.000	34.700	12.430	Original	1	13	Höfer & Ott 2009
60	Arachnida	43	3.400	9.400	6.000	6.400	Original	2	6	Edwards & Gabriel 1998
61	Arachnida	43	3.400	9.400	6.000	6.400	Original	2	6	Edwards & Gabriel 1998
62	Arachnida	48	2.800	10.100	7.300	6.450	Original	2	6	Edwards 1996
63	Arachnida	15	1.500	1.700	0.200	1.600	Nentwig *et al*. 2019	2	3	Clausen 1983
64	Arachnida	43	2.500	5.400	2.900	3.950	Original	2	6	Edwards & Gabriel 1998
65	Arachnida	43	2.500	5.400	2.900	3.950	Original	2	6	Edwards & Gabriel 1998
66	Arachnida	23	1.500	5.500	4.000	3.500	Original	2	6	Edwards 1996
67	Arachnida	164	0.780	4.400	3.620	2.590	Original	1	19	Lang *et al.* 1997
68	Arachnida	29	---	---	---	---	No Data	2	23	McLaughlin *et al.* 2010
69	Arachnida	68	3.000	12.000	9.000	7.500	Original	2	2	Breymeyer 1967
70	Arachnida	105	4.000	14.000	10.000	9.000	Original	2	2	Breymeyer 1967
71	Arachnida	83	4.000	16.800	12.800	10.400	Original	2	6	Edwards & Gabriel 1998
72	Arachnida	83	4.000	16.800	12.800	10.400	Original	2	6	Edwards & Gabriel 1998
73	Arachnida	19	2.000	23.500	21.500	12.750	Original	2	6	Edwards 1996
74	Arachnida	164	1.280	8.510	7.230	4.895	Original	1	19	Lang *et al.* 1997
75	Arachnida	68	0.670	4.300	3.630	1.460	Original	1	13	Höfer & Ott 2009
76	Arachnida	68	0.670	4.300	3.630	1.460	Original	1	13	Höfer & Ott 2009
77	Arachnida	79	---	---	---	---	No Data	2	3	Clausen 1983
78	Arachnida	79	---	---	---	---	No Data	2	3	Clausen 1983
79	Arachnida	31	2.900	12.500	9.600	7.700	Original	2	6	Edwards & Gabriel 1998
80	Arachnida	31	2.900	12.500	9.600	7.700	Original	2	6	Edwards & Gabriel 1998
81	Arachnida	26	2.000	7.000	5.000	4.500	Original	2	6	Edwards 1996

82	Arachnida	4	---	---	---	---	No Data	2	23	McLaughlin *et al.* 2010
83	Arachnida	16	4.000	11.100	7.100	7.550	Original	2	6	Edwards & Gabriel 1998
84	Arachnida	16	4.000	11.100	7.100	7.550	Original	2	6	Edwards & Gabriel 1998
85	Arachnida	9	4.000	11.100	7.100	7.550	Original	2	6	Edwards 1996
86	Arachnida	86	3.400	10.800	7.400	7.100	Original	2	6	Edwards & Gabriel 1998
87	Arachnida	86	3.400	10.800	7.400	7.100	Original	2	6	Edwards & Gabriel 1998
88	Arachnida	24	4.000	10.100	6.100	7.050	Original	2	6	Edwards 1996
89	Arachnida	43	6.000	10.000	4.000	7.750	Nentwig *et al*. 2019	2	3	Clausen 1983
90	Arachnida	64	4.000	7.000	3.000	5.250	Nentwig *et al*. 2019	2	3	Clausen 1983
91	Arachnida	55	3.000	8.200	5.200	5.600	Original	2	6	Edwards & Gabriel 1998
92	Arachnida	55	3.000	8.200	5.200	5.600	Original	2	6	Edwards & Gabriel 1998
93	Arachnida	33	2.100	7.600	5.500	4.850	Original	2	6	Edwards 1996
94	Arachnida	52	2.600	8.200	5.600	5.400	Original	2	6	Edwards & Gabriel 1998
95	Arachnida	29	3.000	8.200	5.200	5.600	Original	2	6	Edwards & Gabriel 1998
96	Arachnida	52	2.600	8.200	5.600	5.400	Original	2	6	Edwards & Gabriel 1998
97	Arachnida	57	1.900	8.300	6.400	5.100	Original	2	6	Edwards 1996
98	Arachnida	10	4.900	8.600	3.700	6.750	Original	5	7	Ganihar 1997
99	Arachnida	53	2.000	7.000	5.000	3.500	Original	2	10	Henschel *et al.* 1996
100	Arachnida	10	2.600	6.400	3.800	4.500	Original	2	11	Hódar 1996
101	Arachnida	65	0.570	6.900	6.330	2.120	Original	1	13	Höfer & Ott 2009
102	Arachnida	65	0.570	6.900	6.330	2.120	Original	1	13	Höfer & Ott 2009
103	Arachnida	84	---	---	---	---	No Data	2	23	McLaughlin *et al.* 2010
104	Arachnida	38	4.300	4.800	0.500	4.550	Van Duinen 2009-2018	2	23	McLaughlin *et al.* 2010
105	Arachnida	12	8.500	10.500	2.000	9.500	Van Duinen 2009-2018	2	23	McLaughlin *et al.* 2010
106	Arachnida	4	4.500	7.000	2.500	5.750	Van Duinen 2009-2018	2	23	McLaughlin *et al.* 2010
107	Arachnida	11	3.000	5.200	2.200	4.100	Van Duinen 2009-2018	2	23	McLaughlin *et al.* 2010
108	Arachnida	111	0.860	2.100	1.240	1.380	Original	1	13	Höfer & Ott 2009
109	Arachnida	111	0.860	2.100	1.240	1.380	Original	1	13	Höfer & Ott 2009

110	Arachnida	28	1.000	3.700	2.700	2.350	Original	2	16	Johnson & Strong 2000
111	Arachnida	22	1.500	2.100	0.600	1.800	Original	2	47	Wardhaugh 2013
112	Arachnida	7	10.200	26.750	16.550	18.475	Original	2	11	Hódar 1996
113	Chilopoda	38	4.000	47.000	43.000	25.500	Original	2	8	Gowing & Recher 1984
114	Chilopoda	10	10.000	81.000	71.000	45.500	Original	2	11	Hódar 1996
115	Chilopoda	49	3.900	28.000	24.100	15.950	Original	1	17	Klarner *et al.* 2017
116	Chilopoda	17	3.200	12.000	8.800	7.600	Original	1	18	Klarner *et al.* 2017
117	Chilopoda	60	5.412	31.600	26.188	19.861	Original	9	26	Ruiz-Lupión, D (unpublished)
118	Chilopoda	49	2.800	10.000	7.200	6.400	Original	1	19	Lang *et al.* 1997
119	Chilopoda	112	2.500	17.000	14.500	9.750	Original	9	46	Voigtländer 2000
120	Chilopoda	129	2.000	10.000	8.000	6.000	Original	9	46	Voigtländer 2000
121	Chilopoda	337	2.500	17.500	15.000	10.705	Original	9	46	Voigtländer 2007
122	Chilopoda	292	2.500	17.750	15.250	10.481	Original	9	46	Voigtländer 2007
123	Chilopoda	30	2.640	22.500	19.860	9.119	Original	9	27	Ruiz-Lupión, D (unpublished)
124	Chilopoda	10	13.000	48.000	35.000	30.500	Original	2	7	Ganihar 1997
125	Chilopoda	25	---	---	---	---	No Data	3	29	Richardson *et al.* 2000
126	Chilopoda	25	4.000	20.000	16.000	12.000	Original	2	7	Ganihar 1997
127	Diplopoda	10	11.000	47.000	36.000	29.000	Original	2	8	Gowing & Recher 1984
128	Diplopoda	10	11.000	39.000	28.000	25.000	Original	2	11	Hódar 1996
129	Diplopoda	62	---	---	---	---	No Data	3	29	Richardson *et al.* 2000
130	Diplopoda	500	12.000	80.000	68.000	46.000	Original	9	22	Mazantseva 1975
131	Diplopoda	300	18.000	44.000	26.000	31.000	Original	9	22	Mazantseva 1975
132	Diplopoda	25	---	---	---	20.000	VanDyk 2003-2019	2	23	McLaughlin *et al.* 2010
133	Diplopoda	91	14.000	25.000	11.000	19.500	Bon 2016	2	23	McLaughlin *et al.* 2010
134	Diplopoda	179	4.900	37.300	32.400	21.100	Original	9	41	Shinohara *et al.* 2007
135	Entognatha	10	1.160	2.480	1.320	1.820	Original	2	7	Ganihar 1997
136	Entognatha	33	1.700	3.850	2.150	2.775	Original	2	9	Gruner 2003
137	Entognatha	8	1.500	3.250	1.750	2.375	Original	2	11	Hódar 1996

138	Entognatha	4318	---	---	---	---	No Data	2	23	McLaughlin *et al.* 2010
139	Entognatha	15	0.280	2.960	2.680	1.283	Original	3	24	Mercer *et al.* 2001
140	Entognatha	12	2.000	30.000	28.000	16.000	Original	3	43	Tanaka 1970
141	Entognatha	122	0.630	3.980	3.350	2.305	Original	8	44	Van Straalen 1989
142	Entognatha	58	0.684	5.409	4.725	2.238	Original	9	27	Ruiz-Lupión, D (unpublished)
143	Entognatha	1863	---	---	---	---	No Data	2	23	McLaughlin *et al.* 2010
144	Entognatha	82	---	---	---	0.500	Original	3	28	Petersen 1975
145	Entognatha	57	---	---	---	0.480	Original	3	28	Petersen 1975
146	Entognatha	58	---	---	---	0.580	Original	3	28	Petersen 1975
147	Entognatha	34	---	---	---	0.630	Original	3	28	Petersen 1975
148	Entognatha	34	---	---	---	0.630	Original	3	28	Petersen 1975
149	Entognatha	27	---	---	---	0.630	Original	3	28	Petersen 1975
150	Entognatha	11	1.800	10.000	8.200	5.900	Original	3	43	Tanaka 1970
151	Entognatha	9	2.000	50.000	48.000	26.000	Original	3	43	Tanaka 1970
152	Entognatha	14	1.300	8.000	6.700	4.650	Original	3	43	Tanaka 1970
153	Entognatha	50	---	---	---	6.000	Hopkin 2019	3	28	Petersen 1975
154	Entognatha	92	0.830	3.800	2.970	2.315	Original	8	44	Van Straalen 1989
155	Entognatha	7	2.000	20.000	18.000	11.000	Original	3	43	Tanaka 1970
156	Entognatha	393	---	---	---	---	No Data	2	23	McLaughlin *et al.* 2010
157	Entognatha	10	1.700	17.000	15.300	9.350	Original	3	43	Tanaka 1970
158	Entognatha	46	---	---	---	0.960	Original	3	28	Petersen 1975
159	Entognatha	26	---	---	---	1.000	Original	3	28	Petersen 1975
160	Entognatha	76	---	---	---	0.960	Original	3	28	Petersen 1975
161	Entognatha	41	---	---	---	1.000	Original	3	28	Petersen 1975
162	Entognatha	43	---	---	---	1.260	Original	3	28	Petersen 1975
163	Entognatha	26	---	---	---	1.260	Original	3	28	Petersen 1975
164	Entognatha	42	---	---	---	1.000	Original	3	28	Petersen 1975
165	Entognatha	23	---	---	---	1.260	Original	3	28	Petersen 1975

166	Entognatha	16	1.100	30.000	28.900	15.550	Original	3	43	Tanaka 1970
167	Entognatha	46	---	---	---	1.200	Palacios-Vargas & Salazar-Marínez 2014	3	28	Petersen 1975
168	Entognatha	23	---	---	---	1.000	Hopkin 2019 *T. elegans*	3	28	Petersen 1975
169	Entognatha	23	---	---	---	1.000	Hopkin 2019 *T. elegans*	3	28	Petersen 1975
170	Entognatha	2062	---	---	---	---	No Data	2	23	McLaughlin *et al.* 2010
171	Entognatha	30	2.810	4.420	1.610	3.030	Original	9	45	Vannier 1973
172	Insecta	23	5.320	18.590	13.270	11.955	Original	2	33	Sample *et al.* 1993
173	Insecta	7	3.350	4.450	1.100	3.900	Original	2	9	Gruner 2003
174	Insecta	10	3.250	13.200	9.950	8.225	Original	2	11	Hódar 1996
175	Insecta	10	4.700	27.800	23.100	16.250	Original	2	11	Hódar 1996
176	Insecta	16	4.100	16.300	12.200	10.200	Original	2	9	Gruner 2003
177	Insecta	12	4.300	32.500	28.200	18.400	Original	2	11	Hódar 1996
178	Insecta	100	2.400	37.000	34.600	19.700	Original	1	15	Jarošik 1989
179	Insecta	167	2.880	24.000	21.120	13.440	Original	1	19	Lang *et al.* 1997
180	Insecta	76	4.167	32.260	28.093	18.214	Obtained from plots	9	21	Marcuzzi 1987
181	Insecta	524	---	---	---	---	No Data	2	23	McLaughlin *et al.* 2010
182	Insecta	9	17.000	22.000	5.000	19.500	Roy & Comont 2019	2	23	McLaughlin *et al.* 2010
183	Insecta	10	3.000	4.000	1.000	3.500	Alford 2008	2	23	McLaughlin *et al.* 2010
184	Insecta	12	10.000	13.000	3.000	11.500	Alford 2008	2	23	McLaughlin *et al.* 2010
185	Insecta	6	---	---	---	12.000	VanDyk 2003-2019 *P. melanarius*	2	23	McLaughlin *et al.* 2010
186	Insecta	32	---	---	---	12.000	VanDyk 2003-2019 *P. melanarius*	2	23	McLaughlin *et al.* 2010
187	Insecta	16	---	---	---	12.000	VanDyk 2003-2019 *P. melanarius*	2	23	McLaughlin *et al.* 2010
188	Insecta	29	---	---	---	---	No Data	1	31	Sabo *et al.* 2002
189	Insecta	41	5.500	16.510	11.010	11.005	Original	2	33	Sample *et al.* 1993
190	Insecta	79	2.930	29.200	26.270	12.023	Original	9	34	Santos Gómez 2013
191	Insecta	272	2.930	20.890	17.960	10.805	Original	9	35	Santos Gómez 2013
192	Insecta	254	2.550	20.890	18.340	10.738	Original	9	36	Santos Gómez 2013
193	Insecta	178	2.930	18.470	15.540	10.783	Original	9	37	Santos Gómez 2013

194	Insecta	10	7.600	52.100	44.500	29.850	Original	2	11	Hódar 1996
195	Insecta	20	4.960	16.290	11.330	10.625	Original	2	33	Sample *et al.* 1993
196	Insecta	10	3.000	15.200	12.200	9.100	Original	2	11	Hódar 1996
197	Insecta	13	9.804	16.409	6.605	13.107	Obtained from plots	9	21	Marcuzzi 1987
198	Insecta	23	3.340	7.840	4.500	5.590	Original	2	33	Sample *et al.* 1993
199	Insecta	14	1.450	2.450	1.000	1.950	Original	2	9	Gruner 2003
200	Insecta	147	---	---	---	8.000	Original	3	1	Beaver & Baldwin 1975
201	Insecta	32	2.000	24.000	22.000	13.000	Original	2	4	Díaz & Díaz 1990
202	Insecta	175	1.200	22.000	20.800	11.600	Original	2	7	Ganihar 1997
203	Insecta	56	2.000	14.000	12.000	8.000	Original	2	8	Gowing & Recher 1984
204	Insecta	130	1.450	17.600	16.150	9.525	Original	2	9	Gruner 2003
205	Insecta	137	1.450	17.600	16.150	9.525	Original	2	9	Gruner 2003
206	Insecta	156	1.750	56.550	54.800	29.150	Original	2	11	Hódar 1996
207	Insecta	51	1.200	12.100	10.900	6.650	Original	2	16	Johnson & Strong 2000
208	Insecta	75	1.300	14.000	12.700	7.650	Original	2	16	Johnson & Strong 2000
209	Insecta	1083	---	---	---	---	No Data	2	23	McLaughlin *et al.* 2010
210	Insecta	363	0.480	7.750	7.270	3.308	Original	3	24	Mercer *et al.* 2001
211	Insecta	575	---	---	---	---	No Data	3	29	Richardson *et al.* 2000
212	Insecta	151	0.900	34.000	33.100	17.450	Original	2	30	Rogers *et al.* 1977
213	Insecta	119	---	---	---	---	No Data	1	31	Sabo *et al.* 2002
214	Insecta	29	4.900	25.000	20.100	14.950	Original	7	32	Sage 1982
215	Insecta	29	4.900	25.000	20.100	14.950	Original	7	32	Sage 1982
216	Insecta	330	3.340	34.820	31.480	19.080	Original	2	33	Sample *et al.* 1993
217	Insecta	47	---	---	---	---	No Data	2	38	Schoener 1980
218	Insecta	150	---	---	---	---	No Data	2	39	Schoener 1980
219	Insecta	171	---	---	---	---	No Data	2	40	Schoener 1980
220	Insecta	132	1.400	25.000	23.600	13.200	Original	2	47	Wardhaugh 2013
221	Insecta	17	2.500	17.600	15.100	10.050	Original	2	9	Gruner 2003

222	Insecta	12	1.750	17.050	15.300	9.400	Original	2	11	Hódar 1996
223	Insecta	22	4.160	16.167	12.007	10.164	Obtained from plots	9	21	Marcuzzi 1987
224	Insecta	352	0.600	7.750	7.150	3.585	Original	3	24	Mercer *et al.* 2001
225	Insecta	235	3.060	8.360	5.300	6.180	Original	3	24	Mercer *et al.* 2001
226	Insecta	45	2.470	3.290	0.820	2.890	Original	3	24	Mercer *et al.* 2001
227	Insecta	21	3.530	4.590	1.060	4.050	Original	3	24	Mercer *et al.* 2001
228	Insecta	22	5.660	8.360	2.700	7.260	Original	3	24	Mercer *et al.* 2001
229	Insecta	29	3.930	5.570	1.640	4.540	Original	3	24	Mercer *et al.* 2001
230	Insecta	15	2.400	7.500	5.100	4.950	Original	2	30	Rogers *et al.* 1977
231	Insecta	33	5.640	16.940	11.300	11.290	Original	2	33	Sample *et al.* 1993
232	Insecta	10	4.200	13.600	9.400	8.900	Original	2	11	Hódar 1996
233	Insecta	10	8.100	56.550	48.450	32.325	Original	2	11	Hódar 1996
234	Insecta	22	3.000	4.500	1.500	3.750	Original	2	9	Gruner 2003
235	Insecta	10	4.150	32.500	28.350	18.325	Original	2	11	Hódar 1996
236	Insecta	7	17.083	27.083	10.000	22.083	Obtained from plots	9	21	Marcuzzi 1987
237	Insecta	27	2.240	24.790	22.550	14.515	Original	2	33	Sample *et al.* 1993
238	Insecta	10	2.000	28.000	26.000	15.000	Original	2	11	Hódar 1996
239	Insecta	133	2.200	3.600	1.400	7.900	Original	1	19	Lang *et al.* 1997
240	Insecta	11	5.947	8.563	2.616	7.255	Obtained from plots	9	21	Marcuzzi 1987
241	Insecta	328	---	---	---	---	No Data	2	23	McLaughlin *et al.* 2010
242	Insecta	10	---	---	---	---	No Data	1	31	Sabo *et al.* 2002
243	Insecta	16	4.000	38.600	34.600	21.300	Original	2	11	Hódar 1996
244	Insecta	47	6.100	24.792	18.692	15.446	Obtained from plots	9	21	Marcuzzi 1987
245	Insecta	66	4.800	19.000	14.200	11.900	Original	2	30	Rogers *et al.* 1977
246	Insecta	159	3.069	7.653	4.584	5.361	Original	9	42	Sokoloff *et al.* 1999
247	Insecta	18	2.550	11.200	8.650	6.875	Original	2	9	Gruner 2003
248	Insecta	10	2.600	9.600	7.000	6.100	Original	2	11	Hódar 1996
249	Insecta	100	2.200	14.000	11.800	8.100	Original	2	47	Wardhaugh 2013

250	Insecta	8	7.000	22.000	15.000	14.500	Original		6	7	Ganihar 1997
251	Insecta	10	5.500	25.200	19.700	15.350	Original		2	11	Hódar 1996
252	Insecta	10	3.000	13.000	10.000	8.000	Original		2	4	Díaz & Díaz 1990
253	Insecta	25	2.370	13.500	11.130	7.935	Original		2	7	Ganihar 1997
254	Insecta	11	2.700	12.300	9.600	7.500	Original		2	11	Hódar 1996
255	Insecta	13	2.400	12.900	10.500	7.650	Original		7	32	Sage 1982
256	Insecta	13	---	---	---	---	No Data		2	38	Schoener 1980
257	Insecta	25	---	---	---	---	No Data		2	39	Schoener 1980
258	Insecta	20	---	---	---	---	No Data		2	40	Schoener 1980
259	Insecta	139	2.100	9.500	7.400	5.800	Original		2	47	Wardhaugh 2013
260	Insecta	10	6.000	13.000	7.000	9.500	Original		2	7	Ganihar 1997
261	Insecta	401	1.160	48.000	46.840	24.580	Original		4	7	Ganihar 1997
262	Insecta	10	3.000	10.000	7.000	6.500	Original		2	11	Hódar 1996
263	Insecta	10	5.000	34.000	29.000	19.500	Original		2	7	Ganihar 1997
264	Insecta	21	2.650	10.350	7.700	6.500	Original		2	9	Gruner 2003
265	Insecta	27	4.000	63.000	59.000	33.500	Original		2	11	Hódar 1996
266	Insecta	35	3.000	36.000	33.000	19.500	Original		2	30	Rogers *et al.* 1977
267	Insecta	42	---	---	---	---	No Data		1	31	Sabo *et al.* 2002
268	Insecta	36	4.600	60.000	55.400	32.300	Original		7	32	Sage 1982
269	Insecta	25	---	---	---	---	No Data		2	39	Schoener 1980
270	Insecta	10	---	---	---	---	No Data		2	40	Schoener 1980
271	Insecta	79	2.300	33.000	30.700	17.650	Original		2	47	Wardhaugh 2013
272	Insecta	40	1.500	3.150	1.650	2.325	Original		2	9	Gruner 2003
273	Insecta	6	1.200	3.000	1.800	2.100	Original		2	11	Hódar 1996
274	Malacostraca	10	2.440	9.000	6.560	5.720	Original		4	7	Ganihar 1997
275	Malacostraca	12	4.000	8.000	4.000	6.000	Original		2	8	Gowing & Recher 1984
276	Malacostraca	16	2.350	13.900	11.550	8.125	Original		2	9	Gruner 2003
277	Malacostraca	10	4.250	22.500	18.250	13.375	Original		2	11	Hódar 1996

278	Malacostraca	132	---	---	---	---	No Data	2	23	McLaughlin *et al.* 2010
279	Malacostraca	586	---	---	---	---	No Data	3	29	Richardson *et al.* 2000
280	Malacostraca	40	2.700	8.000	5.300	5.350	Original	2	47	Wardhaugh 2013
281	Malacostraca	82	---	---	---	13.000	VanDyk 2003-2019	2	23	McLaughlin *et al.* 2010
282	Malacostraca	22	---	---	---	17.000	VanDyk 2003-2019	2	23	McLaughlin *et al.* 2010
283	Malacostraca	12	---	---	---	8.000	VanDyk 2003-2019	2	23	McLaughlin *et al.* 2010

*Code: Identification number of the equation.
*Taxonomic classification for each specimen (Class).
*n: Sample size (number of individuals measured).
*min Length (mm): Length of the smallest individual.
*max Length (mm): Length of the largest individual.
*Range length (mm): max Length (mm) – min Length (mm).
*Mean length (mm): Average length of the individuals measured.
*Reference mean length: Origin of the measure of the Mean Length: 1) Original (from original bibliographic reference), 2) Obtained from plots of original bibliographic reference), 3) Other References (see below) and 4) No Data.
*Original equation: Type of equation used in the original study (Table S4).
*Site: Code of the point where field sampling of the original study was carried out by the authors in the Reference (Fig. 2, Table S3).
*Reference: Bibliographic reference.

Table S1: Database using to evaluate scaling factor *a* and allometric factor *b* (cont'd).

Code	Class	PCGM1	PCGM2	PCGM3	Feeding habits	Type of allometry	Latitude	Longitude	Altitude	MAT	MAP	NDVI	Original equation	Site	Reference
1	Arachnida	-0.2750	0.0453	0.0083	Undefined	Evolutionary	36.594	-2.448	925	14.3	474	0.252	2	11	Hódar 1996
2	Arachnida	-0.2750	0.0453	0.0083	Undefined	Evolutionary	51.409	5.588	95	9.8	814	0.595	9	20	LeBrun 1971
3	Arachnida	-0.2750	0.0453	0.0083	Undefined	Evolutionary	53.134	-8.261	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
4	Arachnida	-0.2750	0.0453	0.0083	Undefined	Evolutionary	-45.779	38.441	846	1.7	2644	0.475	3	24	Mercer *et al.* 2001
5	Arachnida	-0.2750	0.0453	0.0083	Undefined	Evolutionary	53.325	-113.314	613	3.0	452	0.412	9	25	Newton & Proctor 2013
6	Arachnida	-0.2750	0.0453	0.0083	Undefined	Evolutionary	38.463	-78.342	63	13.0	1032	0.618	2	30	Rogers *et al.* 1977
7	Arachnida	-0.3089	0.0389	-0.0143	Predator	Evolutionary	-48.003	39.641	846	1.7	2644	0.475	3	24	Mercer *et al.* 2001
8	Arachnida	-0.3089	0.0389	-0.0143	Predator	Evolutionary	52.172	-115.505	613	3.0	452	0.412	9	25	Newton & Proctor 2013
9	Arachnida	-0.1814	0.0825	0.0418	Decomposer	Evolutionary	52.505	-9.475	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
10	Arachnida	-0.1814	0.0825	0.0418	Decomposer	Evolutionary	-46.182	37.202	846	1.7	2644	0.475	3	24	Mercer *et al.* 2001
11	Arachnida	-0.1814	0.0825	0.0418	Decomposer	Evolutionary	52.230	-114.173	613	3.0	452	0.412	9	25	Newton & Proctor 2013
12	Arachnida	-0.1814	0.0825	0.0418	Decomposer	Evolutionary	38.898	-77.722	63	13.0	1032	0.618	2	30	Rogers *et al.* 1977
13	Arachnida	-0.2900	-0.0565	-0.0101	Predator	Evolutionary	-47.245	37.782	846	1.7	2644	0.475	3	24	Mercer *et al.* 2001
14	Arachnida	-0.2900	-0.0565	-0.0101	Predator	Evolutionary	53.611	-112.069	613	3.0	452	0.412	9	25	Newton & Proctor 2013
15	Arachnida	-0.0550	-0.0998	0.0291	Predator	Evolutionary	41.282	-71.233	23	9.8	1180	0.592	2	6	Edwards & Gabriel 1998
16	Arachnida	-0.0550	-0.0998	0.0291	Predator	Evolutionary	40.409	-68.227	23	9.8	1180	0.592	2	6	Edwards & Gabriel 1998
17	Arachnida	-0.0550	-0.0998	0.0291	Predator	Evolutionary	41.590	-71.088	23	9.8	1180	0.592	2	6	Edwards 1996
18	Arachnida	-0.0692	-0.0735	0.0600	Predator	Evolutionary	41.492	-72.298	23	9.8	1180	0.592	2	6	Edwards & Gabriel 1998
19	Arachnida	-0.0692	-0.0735	0.0600	Predator	Evolutionary	41.837	-69.577	23	9.8	1180	0.592	2	6	Edwards & Gabriel 1998
20	Arachnida	-0.0557	-0.0584	0.0458	Predator	Evolutionary	40.078	-2.239	1151	10.7	505	0.466	2	4	Díaz & Díaz 1990
21	Arachnida	-0.0557	-0.0584	0.0458	Predator	Evolutionary	40.202	-70.946	23	9.8	1180	0.592	2	6	Edwards & Gabriel 1998
22	Arachnida	-0.0557	-0.0584	0.0458	Predator	Evolutionary	42.348	-68.480	23	9.8	1180	0.592	2	6	Edwards & Gabriel 1998
23	Arachnida	-0.0557	-0.0584	0.0458	Predator	Evolutionary	41.825	-71.304	23	9.8	1180	0.592	2	6	Edwards 1996
24	Arachnida	-0.0557	-0.0584	0.0458	Predator	Evolutionary	14.753	73.764	75	27.2	2751	0.648	2	7	Ganihar 1997
25	Arachnida	-0.0557	-0.0584	0.0458	Predator	Evolutionary	-36.080	149.108	760	11.1	737	0.673	2	8	Gowing & Recher 1984

26	Arachnida	-0.0557	-0.0584	0.0458	Predator	Evolutionary	19.244	-156.101	2577	9.6	871	0.381	2	9	Gruner 2003
27	Arachnida	-0.0557	-0.0584	0.0458	Predator	Evolutionary	50.502	9.731	289	9.0	646	0.571	2	10	Henschel *et al.* 1996
28	Arachnida	-0.0557	-0.0584	0.0458	Predator	Evolutionary	35.396	-3.934	925	14.3	474	0.252	2	11	Hódar 1996
29	Arachnida	-0.0557	-0.0584	0.0458	Predator	Evolutionary	-24.007	-48.873	7	21.2	2108	0.808	1	12	Höfer & Ott 2009
30	Arachnida	-0.0557	-0.0584	0.0458	Predator	Evolutionary	-26.355	-48.334	7	21.2	2108	0.808	1	12	Höfer & Ott 2009
31	Arachnida	-0.0557	-0.0584	0.0458	Predator	Evolutionary	-1.513	-60.329	198	26.5	2346	0.800	1	13	Höfer & Ott 2009
32	Arachnida	-0.0557	-0.0584	0.0458	Predator	Evolutionary	-0.876	-58.118	198	26.5	2346	0.800	1	13	Höfer & Ott 2009
33	Arachnida	-0.0557	-0.0584	0.0458	Predator	Evolutionary	-2.371	-60.467	198	26.5	2346	0.800	1	13	Höfer & Ott 2009
34	Arachnida	-0.0557	-0.0584	0.0458	Predator	Evolutionary	0.313	-60.636	198	26.5	2346	0.800	1	13	Höfer & Ott 2009
35	Arachnida	-0.0557	-0.0584	0.0458	Predator	Evolutionary	-1.574	-60.152	198	26.5	2346	0.800	1	13	Höfer & Ott 2009
36	Arachnida	-0.0557	-0.0584	0.0458	Predator	Evolutionary	-1.049	-61.558	198	26.5	2346	0.800	1	13	Höfer & Ott 2009
37	Arachnida	-0.0557	-0.0584	0.0458	Predator	Evolutionary	0.382	-63.036	198	26.5	2346	0.800	1	13	Höfer & Ott 2009
38	Arachnida	-0.0557	-0.0584	0.0458	Predator	Evolutionary	-0.678	-59.126	198	26.5	2346	0.800	1	13	Höfer & Ott 2009
39	Arachnida	-0.0557	-0.0584	0.0458	Predator	Evolutionary	18.260	-75.903	626	21.5	1869	0.756	2	16	Johnson & Strong 2000
40	Arachnida	-0.0557	-0.0584	0.0458	Predator	Evolutionary	18.887	-78.496	626	21.5	1869	0.756	2	16	Johnson & Strong 2000
41	Arachnida	-0.0557	-0.0584	0.0458	Predator	Evolutionary	51.625	-11.012	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
42	Arachnida	-0.0557	-0.0584	0.0458	Predator	Evolutionary	39.556	-77.765	63	13.0	1032	0.618	2	30	Rogers *et al.* 1977
43	Arachnida	-0.0557	-0.0584	0.0458	Predator	Evolutionary	39.132	-125.449	520	11.2	1568	0.812	1	31	Sabo *et al.* 2002
44	Arachnida	-0.0557	-0.0584	0.0458	Predator	Evolutionary	-16.062	145.217	27	25.5	2082	0.829	2	47	Wardhaugh 2013
45	Arachnida	-0.0251	-0.0840	0.0153	Predator	Ontogenetic	55.954	10.519	72	7.9	620	0.588	2	3	Clausen 1983
46	Arachnida	-0.0251	-0.0840	0.0153	Predator	Ontogenetic	57.389	11.373	72	7.9	620	0.588	2	3	Clausen 1983
47	Arachnida	-0.0251	-0.0840	0.0153	Predator	Ontogenetic	55.554	12.243	72	7.9	620	0.588	2	3	Clausen 1983
48	Arachnida	-0.0251	-0.0840	0.0153	Predator	Ontogenetic	56.044	11.934	72	7.9	620	0.588	2	3	Clausen 1983
49	Arachnida	-0.0251	-0.0840	0.0153	Predator	Ontogenetic	55.550	10.482	72	7.9	620	0.588	2	3	Clausen 1983
50	Arachnida	-0.0251	-0.0840	0.0153	Predator	Ontogenetic	54.102	12.362	72	7.9	620	0.588	2	3	Clausen 1983
51	Arachnida	-0.0251	-0.0840	0.0153	Predator	Ontogenetic	55.157	11.076	72	7.9	620	0.588	2	3	Clausen 1983
52	Arachnida	-0.0251	-0.0840	0.0153	Predator	Evolutionary	40.360	-71.689	23	9.8	1180	0.592	2	6	Edwards & Gabriel 1998
53	Arachnida	-0.0251	-0.0840	0.0153	Predator	Evolutionary	39.892	-72.199	23	9.8	1180	0.592	2	6	Edwards & Gabriel 1998

54	Arachnida	-0.0251	-0.0840	0.0153	Predator	Evolutionary	40.513	-71.293	23	9.8	1180	0.592	2	6	Edwards 1996
55	Arachnida	-0.0251	-0.0840	0.0153	Predator	Evolutionary	51.279	-9.270	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
56	Arachnida	-0.0387	-0.1064	0.0453	Predator	Evolutionary	43.732	-69.935	23	9.8	1180	0.592	2	6	Edwards & Gabriel 1998
57	Arachnida	-0.0387	-0.1064	0.0453	Predator	Evolutionary	43.850	-70.850	23	9.8	1180	0.592	2	6	Edwards & Gabriel 1998
58	Arachnida	-0.0928	-0.0929	0.0493	Predator	Evolutionary	-0.770	-57.842	198	26.5	2346	0.800	1	13	Höfer & Ott 2009
59	Arachnida	-0.0928	-0.0929	0.0493	Predator	Evolutionary	-2.742	-61.248	198	26.5	2346	0.800	1	13	Höfer & Ott 2009
60	Arachnida	-0.0291	-0.0833	0.0455	Predator	Evolutionary	42.907	-71.158	23	9.8	1180	0.592	2	6	Edwards & Gabriel 1998
61	Arachnida	-0.0291	-0.0833	0.0455	Predator	Evolutionary	41.245	-71.288	23	9.8	1180	0.592	2	6	Edwards & Gabriel 1998
62	Arachnida	-0.0291	-0.0833	0.0455	Predator	Evolutionary	40.514	-70.303	23	9.8	1180	0.592	2	6	Edwards 1996
63	Arachnida	-0.0580	-0.0738	0.0644	Predator	Ontogenetic	55.413	10.941	72	7.9	620	0.588	2	3	Clausen 1983
64	Arachnida	-0.0580	-0.0738	0.0644	Predator	Evolutionary	42.289	-70.588	23	9.8	1180	0.592	2	6	Edwards & Gabriel 1998
65	Arachnida	-0.0580	-0.0738	0.0644	Predator	Evolutionary	41.260	-71.018	23	9.8	1180	0.592	2	6	Edwards & Gabriel 1998
66	Arachnida	-0.0580	-0.0738	0.0644	Predator	Evolutionary	41.519	-70.604	23	9.8	1180	0.592	2	6	Edwards 1996
67	Arachnida	-0.0580	-0.0738	0.0644	Predator	Evolutionary	48.312	10.790	519	8.0	932	0.525	1	19	Lang *et al.* 1997
68	Arachnida	-0.0580	-0.0738	0.0644	Predator	Evolutionary	50.908	-10.767	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
69	Arachnida	-0.0803	-0.0794	0.0694	Predator	Evolutionary	52.275	19.736	142	8.4	541	0.560	2	2	Breymeyer 1967
70	Arachnida	-0.0803	-0.0794	0.0694	Predator	Ontogenetic	52.612	18.291	142	8.4	541	0.560	2	2	Breymeyer 1967
71	Arachnida	-0.0803	-0.0794	0.0694	Predator	Evolutionary	42.704	-70.634	23	9.8	1180	0.592	2	6	Edwards & Gabriel 1998
72	Arachnida	-0.0803	-0.0794	0.0694	Predator	Evolutionary	42.235	-70.843	23	9.8	1180	0.592	2	6	Edwards & Gabriel 1998
73	Arachnida	-0.0803	-0.0794	0.0694	Predator	Evolutionary	42.939	-70.455	23	9.8	1180	0.592	2	6	Edwards 1996
74	Arachnida	-0.0803	-0.0794	0.0694	Predator	Evolutionary	48.767	10.217	519	8.0	932	0.525	1	19	Lang *et al.* 1997
75	Arachnida	-0.0959	-0.1036	0.0548	Predator	Evolutionary	-0.593	-58.821	198	26.5	2346	0.800	1	13	Höfer & Ott 2009
76	Arachnida	-0.0959	-0.1036	0.0548	Predator	Evolutionary	-0.097	-59.568	198	26.5	2346	0.800	1	13	Höfer & Ott 2009
77	Arachnida	-0.0670	-0.0061	0.0493	Predator	Ontogenetic	56.355	10.776	72	7.9	620	0.588	2	3	Clausen 1983
78	Arachnida	-0.0670	-0.0061	0.0493	Predator	Ontogenetic	54.226	11.366	72	7.9	620	0.588	2	3	Clausen 1983
79	Arachnida	-0.0670	-0.0061	0.0493	Predator	Evolutionary	40.651	-69.119	23	9.8	1180	0.592	2	6	Edwards & Gabriel 1998
80	Arachnida	-0.0670	-0.0061	0.0493	Predator	Evolutionary	41.860	-70.452	23	9.8	1180	0.592	2	6	Edwards & Gabriel 1998
81	Arachnida	-0.0670	-0.0061	0.0493	Predator	Evolutionary	41.662	-68.971	23	9.8	1180	0.592	2	6	Edwards 1996

82	Arachnida	-0.0670	-0.0061	0.0493	Predator	Evolutionary	52.590	-9.181	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
83	Arachnida	-0.0414	-0.0451	0.0238	Predator	Evolutionary	42.464	-71.327	23	9.8	1180	0.592	2	6	Edwards & Gabriel 1998
84	Arachnida	-0.0414	-0.0451	0.0238	Predator	Evolutionary	42.145	-68.607	23	9.8	1180	0.592	2	6	Edwards & Gabriel 1998
85	Arachnida	-0.0414	-0.0451	0.0238	Predator	Evolutionary	41.897	-70.289	23	9.8	1180	0.592	2	6	Edwards 1996
86	Arachnida	-0.0467	-0.0673	-0.0070	Predator	Evolutionary	39.589	-70.445	23	9.8	1180	0.592	2	6	Edwards & Gabriel 1998
87	Arachnida	-0.0467	-0.0673	-0.0070	Predator	Evolutionary	41.848	-71.506	23	9.8	1180	0.592	2	6	Edwards & Gabriel 1998
88	Arachnida	-0.0467	-0.0673	-0.0070	Predator	Evolutionary	42.889	-69.901	23	9.8	1180	0.592	2	6	Edwards 1996
89	Arachnida	-0.0259	-0.0865	0.0098	Predator	Ontogenetic	55.339	12.048	72	7.9	620	0.588	2	3	Clausen 1983
90	Arachnida	-0.0414	0.0813	0.0670	Predator	Ontogenetic	55.032	12.075	72	7.9	620	0.588	2	3	Clausen 1983
91	Arachnida	-0.0414	0.0813	0.0670	Predator	Evolutionary	42.958	-69.313	23	9.8	1180	0.592	2	6	Edwards & Gabriel 1998
92	Arachnida	-0.0414	0.0813	0.0670	Predator	Evolutionary	42.921	-72.149	23	9.8	1180	0.592	2	6	Edwards & Gabriel 1998
93	Arachnida	-0.0414	0.0813	0.0670	Predator	Evolutionary	41.806	-70.545	23	9.8	1180	0.592	2	6	Edwards 1996
94	Arachnida	-0.0688	0.0437	0.1115	Predator	Evolutionary	41.907	-70.081	23	9.8	1180	0.592	2	6	Edwards & Gabriel 1998
95	Arachnida	-0.0688	0.0437	0.1115	Predator	Evolutionary	41.738	-70.564	23	9.8	1180	0.592	2	6	Edwards & Gabriel 1998
96	Arachnida	-0.0688	0.0437	0.1115	Predator	Evolutionary	42.182	-70.572	23	9.8	1180	0.592	2	6	Edwards & Gabriel 1998
97	Arachnida	-0.0688	0.0437	0.1115	Predator	Evolutionary	41.430	-69.436	23	9.8	1180	0.592	2	6	Edwards 1996
98	Arachnida	-0.1565	0.1771	0.0323	Decomposer	Evolutionary	15.507	73.847	75	27.2	2751	0.648	5	7	Ganihar 1997
99	Arachnida	-0.1565	0.1771	0.0323	Decomposer	Evolutionary	49.425	9.766	289	9.0	646	0.571	2	10	Henschel *et al.* 1996
100	Arachnida	-0.1565	0.1771	0.0323	Decomposer	Evolutionary	37.022	-4.022	925	14.3	474	0.252	2	11	Hódar 1996
101	Arachnida	-0.1565	0.1771	0.0323	Decomposer	Evolutionary	-1.134	-60.140	198	26.5	2346	0.800	1	13	Höfer & Ott 2009
102	Arachnida	-0.1565	0.1771	0.0323	Decomposer	Evolutionary	-0.598	-61.475	198	26.5	2346	0.800	1	13	Höfer & Ott 2009
103	Arachnida	-0.1565	0.1771	0.0323	Decomposer	Evolutionary	51.975	-10.318	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
104	Arachnida	-0.1424	0.2013	-0.0131	Decomposer	Ontogenetic	52.452	-8.034	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
105	Arachnida	-0.1424	0.2013	-0.0131	Decomposer	Ontogenetic	51.503	-8.728	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
106	Arachnida	-0.1424	0.2013	-0.0131	Decomposer	Ontogenetic	50.561	-9.556	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
107	Arachnida	-0.1706	0.1529	0.0777	Decomposer	Ontogenetic	51.653	-7.945	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
108	Arachnida	0.0221	0.0620	0.0705	Predator	Evolutionary	0.877	-60.330	198	26.5	2346	0.800	1	13	Höfer & Ott 2009
109	Arachnida	0.0221	0.0620	0.0705	Predator	Evolutionary	-2.132	-59.824	198	26.5	2346	0.800	1	13	Höfer & Ott 2009

110	Arachnida	0.0221	0.0620	0.0705	Predator	Evolutionary	17.428	-76.938	626	21.5	1869	0.756	2	16	Johnson & Strong 2000
111	Arachnida	0.0221	0.0620	0.0705	Predator	Evolutionary	-15.861	147.099	27	25.5	2082	0.829	2	47	Wardhaugh 2013
112	Arachnida	0.2687	0.0739	-0.2177	Predator	Evolutionary	38.682	-4.219	925	14.3	474	0.252	2	11	Hódar 1996
113	Chilopoda	0.3309	-0.0615	0.0367	Predator	Evolutionary	-34.463	149.190	760	11.1	737	0.673	2	8	Gowing & Recher 1984
114	Chilopoda	0.3309	-0.0615	0.0367	Predator	Evolutionary	37.554	-3.421	925	14.3	474	0.252	2	11	Hódar 1996
115	Chilopoda	0.3728	-0.0694	0.0162	Predator	Evolutionary	-0.518	103.728	67	26.7	2828	0.787	1	17	Klarner *et al.* 2017
116	Chilopoda	0.3309	-0.0615	0.0367	Predator	Evolutionary	-2.543	103.096	50	26.8	2522	0.805	1	18	Klarner *et al.* 2017
117	Chilopoda	0.3728	-0.0694	0.0162	Predator	Evolutionary	43.593	-3.052	761	10.7	859	0.572	9	26	Ruiz-Lupión, D (unpublished)
118	Chilopoda	0.3250	-0.0522	0.0156	Predator	Ontogenetic	48.754	10.289	519	8.0	932	0.525	1	19	Lang *et al.* 1997
119	Chilopoda	0.3179	-0.0492	0.0194	Predator	Ontogenetic	51.475	16.004	224	8.2	632	0.579	9	46	Voigtländer 2000
120	Chilopoda	0.3179	-0.0492	0.0194	Predator	Ontogenetic	52.490	15.404	224	8.2	632	0.579	9	46	Voigtländer 2000
121	Chilopoda	0.3179	-0.0492	0.0194	Predator	Ontogenetic	50.417	15.450	224	8.2	632	0.579	9	46	Voigtländer 2007
122	Chilopoda	0.3179	-0.0492	0.0194	Predator	Ontogenetic	52.168	13.726	224	8.2	632	0.579	9	46	Voigtländer 2007
123	Chilopoda	0.3214	-0.0507	0.0175	Predator	Evolutionary	44.056	-6.331	332	12.8	773	0.693	9	27	Ruiz-Lupión, D (unpublished)
124	Chilopoda	0.3330	-0.0815	0.0865	Predator	Evolutionary	14.812	74.379	75	27.2	2751	0.648	2	7	Ganihar 1997
125	Chilopoda	0.3330	-0.0815	0.0865	Predator	Evolutionary	17.157	-67.160	1143	18.2	2892	0.691	3	29	Richardson *et al.* 2000
126	Chilopoda	0.3056	-0.0552	0.0460	Predator	Evolutionary	14.643	73.693	75	27.2	2751	0.648	2	7	Ganihar 1997
127	Diplopoda	0.3464	-0.0352	0.0335	Decomposer	Evolutionary	-37.319	151.096	760	11.1	737	0.673	2	8	Gowing & Recher 1984
128	Diplopoda	0.3464	-0.0352	0.0335	Decomposer	Evolutionary	35.788	-5.184	925	14.3	474	0.252	2	11	Hódar 1996
129	Diplopoda	0.3464	-0.0352	0.0335	Decomposer	Evolutionary	17.811	-65.769	1143	18.2	2892	0.691	3	29	Richardson *et al.* 2000
130	Diplopoda	0.3318	-0.0795	0.1187	Decomposer	Ontogenetic	56.005	37.790	147	4.9	678	0.467	9	22	Mazantseva 1975
131	Diplopoda	0.3318	-0.0795	0.1187	Decomposer	Ontogenetic	53.053	36.432	147	4.9	678	0.467	9	22	Mazantseva 1975
132	Diplopoda	0.3318	-0.0795	0.1187	Decomposer	Ontogenetic	52.798	-9.155	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
133	Diplopoda	0.3496	0.0059	-0.0175	Decomposer	Ontogenetic	51.580	-7.704	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
134	Diplopoda	0.3578	-0.0320	-0.0007	Decomposer	Ontogenetic	27.726	128.608	69	22.1	2191	0.681	9	41	Shinohara *et al.* 2007
135	Entognatha	-0.1371	-0.1143	-0.0563	Decomposer	Evolutionary	14.136	74.312	75	27.2	2751	0.648	2	7	Ganihar 1997
136	Entognatha	-0.1371	-0.1143	-0.0563	Decomposer	Evolutionary	20.170	-155.533	2577	9.6	871	0.381	2	9	Gruner 2003
137	Entognatha	-0.1371	-0.1143	-0.0563	Decomposer	Evolutionary	38.019	-3.576	925	14.3	474	0.252	2	11	Hódar 1996

138	Entognatha	-0.1371	-0.1143	-0.0563	Decomposer	Evolutionary	52.617	-8.433	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
139	Entognatha	-0.1371	-0.1143	-0.0563	Decomposer	Evolutionary	-47.856	38.177	846	1.7	2644	0.475	3	24	Mercer *et al.* 2001
140	Entognatha	-0.1460	-0.1187	-0.1225	Decomposer	Evolutionary	33.369	131.761	78	16.1	1995	0.613	3	43	Tanaka 1970
141	Entognatha	-0.1460	-0.1187	-0.1225	Decomposer	Ontogenetic	52.265	4.095	-2	9.1	779	0.581	8	44	Van Straalen 1989
142	Entognatha	-0.1532	-0.1446	-0.0809	Decomposer	Evolutionary	43.110	-3.839	332	12.8	773	0.693	9	27	Ruiz-Lupión, D (unpublished)
143	Entognatha	-0.1664	-0.1850	-0.0402	Decomposer	Evolutionary	52.061	-10.074	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
144	Entognatha	-0.1664	-0.1850	-0.0402	Decomposer	Static	55.521	6.043	70	7.4	841	0.600	3	28	Petersen 1975
145	Entognatha	-0.1664	-0.1850	-0.0402	Decomposer	Static	56.345	6.792	70	7.4	841	0.600	3	28	Petersen 1975
146	Entognatha	-0.1664	-0.1850	-0.0402	Decomposer	Static	53.689	8.941	70	7.4	841	0.600	3	28	Petersen 1975
147	Entognatha	-0.1664	-0.1850	-0.0402	Decomposer	Static	56.179	9.691	70	7.4	841	0.600	3	28	Petersen 1975
148	Entognatha	-0.1664	-0.1850	-0.0402	Decomposer	Static	55.271	8.143	70	7.4	841	0.600	3	28	Petersen 1975
149	Entognatha	-0.1664	-0.1850	-0.0402	Decomposer	Static	54.892	8.246	70	7.4	841	0.600	3	28	Petersen 1975
150	Entognatha	-0.1664	-0.1850	-0.0402	Decomposer	Ontogenetic	32.522	133.371	78	16.1	1995	0.613	3	43	Tanaka 1970
151	Entognatha	-0.1664	-0.1850	-0.0402	Decomposer	Ontogenetic	33.527	130.905	78	16.1	1995	0.613	3	43	Tanaka 1970
152	Entognatha	-0.1664	-0.1850	-0.0402	Decomposer	Ontogenetic	32.935	131.425	78	16.1	1995	0.613	3	43	Tanaka 1970
153	Entognatha	-0.1472	-0.1302	-0.0806	Decomposer	Ontogenetic	56.158	10.195	70	7.4	841	0.600	3	28	Petersen 1975
154	Entognatha	-0.1472	-0.1302	-0.0806	Decomposer	Ontogenetic	52.885	7.046	-2	9.1	779	0.581	8	44	Van Straalen 1989
155	Entognatha	-0.1418	-0.0726	-0.0787	Decomposer	Ontogenetic	30.478	131.498	78	16.1	1995	0.613	3	43	Tanaka 1970
156	Entognatha	-0.1960	-0.0016	-0.0553	Decomposer	Evolutionary	51.907	-9.368	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
157	Entognatha	-0.1960	-0.0016	-0.0553	Decomposer	Ontogenetic	31.479	131.071	78	16.1	1995	0.613	3	43	Tanaka 1970
158	Entognatha	-0.0908	-0.1501	0.0132	Decomposer	Static	56.348	8.385	70	7.4	841	0.600	3	28	Petersen 1975
159	Entognatha	-0.0908	-0.1501	0.0132	Decomposer	Static	55.784	11.739	70	7.4	841	0.600	3	28	Petersen 1975
160	Entognatha	-0.0908	-0.1501	0.0132	Decomposer	Static	54.932	8.203	70	7.4	841	0.600	3	28	Petersen 1975
161	Entognatha	-0.0908	-0.1501	0.0132	Decomposer	Static	56.048	9.645	70	7.4	841	0.600	3	28	Petersen 1975
162	Entognatha	-0.0908	-0.1501	0.0132	Decomposer	Static	54.860	9.785	70	7.4	841	0.600	3	28	Petersen 1975
163	Entognatha	-0.0908	-0.1501	0.0132	Decomposer	Static	54.709	8.199	70	7.4	841	0.600	3	28	Petersen 1975
164	Entognatha	-0.0908	-0.1501	0.0132	Decomposer	Static	55.832	9.681	70	7.4	841	0.600	3	28	Petersen 1975
165	Entognatha	-0.0908	-0.1501	0.0132	Decomposer	Static	56.325	10.136	70	7.4	841	0.600	3	28	Petersen 1975

166	Entognatha	-0.0908	-0.1501	0.0132	Decomposer	Ontogenetic	30.654	131.075	78	16.1	1995	0.613	3	43	Tanaka 1970
167	Entognatha	-0.0712	-0.1418	-0.0300	Decomposer	Ontogenetic	55.412	9.194	70	7.4	841	0.600	3	28	Petersen 1975
168	Entognatha	-0.2155	0.0995	-0.0108	Decomposer	Ontogenetic	55.301	10.590	70	7.4	841	0.600	3	28	Petersen 1975
169	Entognatha	-0.2155	0.0995	-0.0108	Decomposer	Ontogenetic	57.189	9.330	70	7.4	841	0.600	3	28	Petersen 1975
170	Entognatha	-0.1358	0.1080	0.0619	Decomposer	Evolutionary	50.163	-6.426	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
171	Entognatha	-0.1358	0.1080	0.0619	Decomposer	Ontogenetic	49.126	3.480	45	11.3	634	0.515	9	45	Vannier 1973
172	Insecta	0.0650	0.0132	0.1052	Decomposer	Evolutionary	34.946	-77.234	19	14.2	1095	0.590	2	33	Sample *et al.* 1993
173	Insecta	0.0530	0.0365	0.1318	Herbivore	Evolutionary	19.223	-155.346	2577	9.6	871	0.381	2	9	Gruner 2003
174	Insecta	-0.0609	0.0555	0.0878	Decomposer	Evolutionary	37.425	-3.093	925	14.3	474	0.252	2	11	Hódar 1996
175	Insecta	0.1027	0.0954	-0.0288	Herbivore	Evolutionary	37.797	-1.473	925	14.3	474	0.252	2	11	Hódar 1996
176	Insecta	-0.0114	0.0126	0.0453	Predator	Evolutionary	20.529	-154.249	2577	9.6	871	0.381	2	9	Gruner 2003
177	Insecta	-0.0114	0.0126	0.0453	Predator	Evolutionary	39.110	-3.235	925	14.3	474	0.252	2	11	Hódar 1996
178	Insecta	-0.0114	0.0126	0.0453	Predator	Evolutionary	49.728	16.332	204	9.0	487	0.475	1	15	Jarošik 1989
179	Insecta	-0.0114	0.0126	0.0453	Predator	Evolutionary	49.287	12.203	519	8.0	932	0.525	1	19	Lang *et al.* 1997
180	Insecta	-0.0114	0.0126	0.0453	Predator	Evolutionary	44.410	15.206	0	16.2	558	0.454	9	21	Marcuzzi 1987
181	Insecta	-0.0114	0.0126	0.0453	Predator	Evolutionary	50.996	-9.233	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
182	Insecta	-0.0114	0.0126	0.0453	Predator	Ontogenetic	51.573	-8.418	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
183	Insecta	-0.0114	0.0126	0.0453	Predator	Ontogenetic	53.327	-8.395	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
184	Insecta	-0.0114	0.0126	0.0453	Predator	Ontogenetic	52.265	-9.477	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
185	Insecta	-0.0114	0.0126	0.0453	Predator	Ontogenetic	53.193	-8.900	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
186	Insecta	-0.0114	0.0126	0.0453	Predator	Ontogenetic	52.291	-10.302	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
187	Insecta	-0.0114	0.0126	0.0453	Predator	Ontogenetic	52.376	-8.634	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
188	Insecta	-0.0114	0.0126	0.0453	Predator	Evolutionary	38.612	-122.609	520	11.2	1568	0.812	1	31	Sabo *et al.* 2002
189	Insecta	-0.0114	0.0126	0.0453	Predator	Evolutionary	36.515	-76.017	19	14.2	1095	0.590	2	33	Sample *et al.* 1993
190	Insecta	-0.0114	0.0126	0.0453	Predator	Evolutionary	29.392	-16.146	665	16.2	510	0.334	9	34	Santos Gómez 2013
191	Insecta	-0.0114	0.0126	0.0453	Predator	Evolutionary	27.170	-18.664	781	15.6	525	0.334	9	35	Santos Gómez 2013
192	Insecta	-0.0114	0.0126	0.0453	Predator	Evolutionary	27.817	-16.289	1496	12.8	511	0.478	9	36	Santos Gómez 2013
193	Insecta	-0.0114	0.0126	0.0453	Predator	Evolutionary	27.218	-17.550	1753	11.9	507	0.426	9	37	Santos Gómez 2013

194	Insecta	0.1239	0.0972	-0.1709	Herbivore	Evolutionary	35.654	-3.250	925	14.3	474	0.252	2	11	Hódar 1996
195	Insecta	0.1239	0.0972	-0.1709	Herbivore	Evolutionary	39.648	-78.198	19	14.2	1095	0.590	2	33	Sample *et al.* 1993
196	Insecta	-0.0284	0.1725	0.0439	Herbivore	Evolutionary	38.188	-0.828	925	14.3	474	0.252	2	11	Hódar 1996
197	Insecta	-0.0284	0.1725	0.0439	Herbivore	Evolutionary	42.170	16.352	0	16.2	558	0.454	9	21	Marcuzzi 1987
198	Insecta	-0.0284	0.1725	0.0439	Herbivore	Evolutionary	38.336	-78.169	19	14.2	1095	0.590	2	33	Sample *et al.* 1993
199	Insecta	-0.0247	0.1065	0.0139	Decomposer	Evolutionary	17.740	-153.845	2577	9.6	871	0.381	2	9	Gruner 2003
200	Insecta	0.0184	0.0828	-0.0117	Undefined	Evolutionary	38.108	-107.368	3040	0.8	435	0.367	3	1	Beaver & Baldwin 1975
201	Insecta	0.0184	0.0828	-0.0117	Undefined	Evolutionary	39.262	-1.520	1151	10.7	505	0.466	2	4	Díaz & Díaz 1990
202	Insecta	0.0184	0.0828	-0.0117	Undefined	Evolutionary	15.466	73.787	75	27.2	2751	0.648	2	7	Ganihar 1997
203	Insecta	0.0184	0.0828	-0.0117	Undefined	Evolutionary	-35.809	149.379	760	11.1	737	0.673	2	8	Gowing & Recher 1984
204	Insecta	0.0184	0.0828	-0.0117	Undefined	Evolutionary	20.232	-155.782	2577	9.6	871	0.381	2	9	Gruner 2003
205	Insecta	0.0184	0.0828	-0.0117	Undefined	Evolutionary	20.936	-156.615	2577	9.6	871	0.381	2	9	Gruner 2003
206	Insecta	0.0184	0.0828	-0.0117	Undefined	Evolutionary	37.138	-3.369	925	14.3	474	0.252	2	11	Hódar 1996
207	Insecta	0.0184	0.0828	-0.0117	Undefined	Evolutionary	18.006	-76.585	626	21.5	1869	0.756	2	16	Johnson & Strong 2000
208	Insecta	0.0184	0.0828	-0.0117	Undefined	Evolutionary	19.543	-76.118	626	21.5	1869	0.756	2	16	Johnson & Strong 2000
209	Insecta	0.0184	0.0828	-0.0117	Undefined	Evolutionary	51.809	-8.269	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
210	Insecta	0.0184	0.0828	-0.0117	Undefined	Evolutionary	-46.370	37.396	846	1.7	2644	0.475	3	24	Mercer *et al.* 2001
211	Insecta	0.0184	0.0828	-0.0117	Undefined	Evolutionary	17.124	-68.032	1143	18.2	2892	0.691	3	29	Richardson *et al.* 2000
212	Insecta	0.0184	0.0828	-0.0117	Undefined	Evolutionary	36.893	-75.550	63	13.0	1032	0.618	2	30	Rogers *et al.* 1977
213	Insecta	0.0184	0.0828	-0.0117	Undefined	Evolutionary	40.593	-124.877	520	11.2	1568	0.812	1	31	Sabo *et al.* 2002
214	Insecta	0.0184	0.0828	-0.0117	Undefined	Evolutionary	28.914	-97.237	144	20.2	807	0.514	7	32	Sage 1982
215	Insecta	0.0184	0.0828	-0.0117	Undefined	Evolutionary	29.836	-95.578	144	20.2	807	0.514	7	32	Sage 1982
216	Insecta	0.0184	0.0828	-0.0117	Undefined	Evolutionary	37.651	-77.706	19	14.2	1095	0.590	2	33	Sample *et al.* 1993
217	Insecta	0.0184	0.0828	-0.0117	Undefined	Evolutionary	42.922	-71.285	11	9.4	1147	0.574	2	38	Schoener 1980
218	Insecta	0.0184	0.0828	-0.0117	Undefined	Evolutionary	10.966	-85.816	87	26.7	1678	0.669	2	39	Schoener 1980
219	Insecta	0.0184	0.0828	-0.0117	Undefined	Evolutionary	9.971	-83.826	274	25.0	4292	0.804	2	40	Schoener 1980
220	Insecta	0.0184	0.0828	-0.0117	Undefined	Evolutionary	-16.418	145.425	27	25.5	2082	0.829	2	47	Wardhaugh 2013
221	Insecta	0.0087	0.0782	-0.0252	Herbivore	Evolutionary	20.609	-156.276	2577	9.6	871	0.381	2	9	Gruner 2003

222	Insecta	0.0087	0.0782	-0.0252	Herbivore	Evolutionary	39.509	-3.589	925	14.3	474	0.252	2	11	Hódar 1996
223	Insecta	0.0087	0.0782	-0.0252	Herbivore	Evolutionary	43.185	15.248	0	16.2	558	0.454	9	21	Marcuzzi 1987
224	Insecta	0.0087	0.0782	-0.0252	Herbivore	Evolutionary	-44.391	35.616	846	1.7	2644	0.475	3	24	Mercer *et al.* 2001
225	Insecta	0.0087	0.0782	-0.0252	Herbivore	Evolutionary	-46.402	37.885	846	1.7	2644	0.475	3	24	Mercer *et al.* 2001
226	Insecta	0.0087	0.0782	-0.0252	Herbivore	Static	-48.429	38.295	846	1.7	2644	0.475	3	24	Mercer *et al.* 2001
227	Insecta	0.0087	0.0782	-0.0252	Herbivore	Static	-46.409	36.162	846	1.7	2644	0.475	3	24	Mercer *et al.* 2001
228	Insecta	0.0087	0.0782	-0.0252	Herbivore	Static	-45.395	40.355	846	1.7	2644	0.475	3	24	Mercer *et al.* 2001
229	Insecta	0.0087	0.0782	-0.0252	Herbivore	Static	-45.915	38.629	846	1.7	2644	0.475	3	24	Mercer *et al.* 2001
230	Insecta	0.0087	0.0782	-0.0252	Herbivore	Evolutionary	37.501	-78.366	63	13.0	1032	0.618	2	30	Rogers *et al.* 1977
231	Insecta	0.0536	0.0050	-0.0637	Herbivore	Evolutionary	37.414	-77.808	19	14.2	1095	0.590	2	33	Sample *et al.* 1993
232	Insecta	-0.1197	0.2897	-0.0749	Predator	Evolutionary	36.770	-3.647	925	14.3	474	0.252	2	11	Hódar 1996
233	Insecta	0.0848	-0.0060	-0.0193	Predator	Evolutionary	38.616	-4.009	925	14.3	474	0.252	2	11	Hódar 1996
234	Insecta	-0.0797	0.1797	-0.0745	Decomposer	Evolutionary	20.866	-158.419	2577	9.6	871	0.381	2	9	Gruner 2003
235	Insecta	0.0355	0.0346	0.0240	Decomposer	Evolutionary	39.316	-3.755	925	14.3	474	0.252	2	11	Hódar 1996
236	Insecta	-0.0615	0.1452	0.0323	Decomposer	Evolutionary	41.460	17.162	0	16.2	558	0.454	9	21	Marcuzzi 1987
237	Insecta	-0.0615	0.1452	0.0323	Decomposer	Evolutionary	35.688	-78.589	19	14.2	1095	0.590	2	33	Sample *et al.* 1993
238	Insecta	0.1537	0.0095	-0.2147	Predator	Evolutionary	38.181	-4.853	925	14.3	474	0.252	2	11	Hódar 1996
239	Insecta	0.1537	0.0095	-0.2147	Predator	Evolutionary	47.833	11.459	519	8.0	932	0.525	1	19	Lang *et al.* 1997
240	Insecta	0.1537	0.0095	-0.2147	Predator	Evolutionary	41.290	14.691	0	16.2	558	0.454	9	21	Marcuzzi 1987
241	Insecta	0.1537	0.0095	-0.2147	Predator	Evolutionary	51.858	-8.605	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
242	Insecta	0.1537	0.0095	-0.2147	Predator	Evolutionary	38.726	-123.684	520	11.2	1568	0.812	1	31	Sabo *et al.* 2002
243	Insecta	-0.0615	0.1452	0.0323	Decomposer	Evolutionary	36.671	-2.324	925	14.3	474	0.252	2	11	Hódar 1996
244	Insecta	0.0355	0.0346	0.0240	Decomposer	Evolutionary	42.082	13.716	0	16.2	558	0.454	9	21	Marcuzzi 1987
245	Insecta	0.0355	0.0346	0.0240	Decomposer	Evolutionary	38.457	-76.913	63	13.0	1032	0.618	2	30	Rogers *et al.* 1977
246	Insecta	0.0355	0.0346	0.0240	Decomposer	Static	37.869	-119.137	1264	13.2	166	0.170	9	42	Sokoloff *et al.* 1999
247	Insecta	0.0963	0.1499	-0.0538	Decomposer	Evolutionary	20.625	-156.302	2577	9.6	871	0.381	2	9	Gruner 2003
248	Insecta	0.0963	0.1499	-0.0538	Decomposer	Evolutionary	36.405	-2.375	925	14.3	474	0.252	2	11	Hódar 1996
249	Insecta	0.0963	0.1499	-0.0538	Decomposer	Evolutionary	-17.314	145.341	27	25.5	2082	0.829	2	47	Wardhaugh 2013

250	Insecta	-0.0600	-0.1466	-0.0384	Predator	Evolutionary	15.654	74.271	75	27.2	2751	0.648	6	7	Ganihar 1997
251	Insecta	-0.0600	-0.1466	-0.0384	Predator	Evolutionary	36.291	-2.592	925	14.3	474	0.252	2	11	Hódar 1996
252	Insecta	-0.1401	-0.2325	-0.0070	Omnivore	Evolutionary	42.391	-3.095	1151	10.7	505	0.466	2	4	Díaz & Díaz 1990
253	Insecta	-0.1401	-0.2325	-0.0070	Omnivore	Evolutionary	15.280	70.333	75	27.2	2751	0.648	2	7	Ganihar 1997
254	Insecta	-0.1401	-0.2325	-0.0070	Omnivore	Evolutionary	36.466	-3.232	925	14.3	474	0.252	2	11	Hódar 1996
255	Insecta	-0.1401	-0.2325	-0.0070	Omnivore	Evolutionary	28.918	-98.541	144	20.2	807	0.514	7	32	Sage 1982
256	Insecta	-0.1401	-0.2325	-0.0070	Omnivore	Evolutionary	43.075	-69.676	11	9.4	1147	0.574	2	38	Schoener 1980
257	Insecta	-0.1401	-0.2325	-0.0070	Omnivore	Evolutionary	9.250	-83.507	87	26.7	1678	0.669	2	39	Schoener 1980
258	Insecta	-0.1401	-0.2325	-0.0070	Omnivore	Evolutionary	10.792	-84.040	274	25.0	4292	0.804	2	40	Schoener 1980
259	Insecta	-0.1401	-0.2325	-0.0070	Omnivore	Evolutionary	-15.858	146.948	27	25.5	2082	0.829	2	47	Wardhaugh 2013
260	Insecta	-0.0471	-0.1016	-0.1795	Decomposer	Evolutionary	15.122	74.713	75	27.2	2751	0.648	2	7	Ganihar 1997
261	Insecta	0.0452	0.0056	-0.0942	Undefined	Evolutionary	16.513	75.581	75	27.2	2751	0.648	4	7	Ganihar 1997
262	Insecta	-0.0471	-0.1016	-0.1795	Decomposer	Evolutionary	36.985	-3.726	925	14.3	474	0.252	2	11	Hódar 1996
263	Insecta	0.0994	0.0135	-0.1905	Omnivore	Evolutionary	15.348	72.699	75	27.2	2751	0.648	2	7	Ganihar 1997
264	Insecta	0.0994	0.0135	-0.1905	Omnivore	Evolutionary	20.018	-156.083	2577	9.6	871	0.381	2	9	Gruner 2003
265	Insecta	0.0994	0.0135	-0.1905	Omnivore	Evolutionary	40.264	-2.461	925	14.3	474	0.252	2	11	Hódar 1996
266	Insecta	0.0994	0.0135	-0.1905	Omnivore	Evolutionary	39.434	-76.434	63	13.0	1032	0.618	2	30	Rogers *et al.* 1977
267	Insecta	0.0994	0.0135	-0.1905	Omnivore	Evolutionary	40.957	-124.134	520	11.2	1568	0.812	1	31	Sabo *et al.* 2002
268	Insecta	0.0994	0.0135	-0.1905	Omnivore	Evolutionary	29.995	-100.079	144	20.2	807	0.514	7	32	Sage 1982
269	Insecta	0.0994	0.0135	-0.1905	Omnivore	Evolutionary	10.937	-87.171	87	26.7	1678	0.669	2	39	Schoener 1980
270	Insecta	0.0994	0.0135	-0.1905	Omnivore	Evolutionary	11.590	-83.650	274	25.0	4292	0.804	2	40	Schoener 1980
271	Insecta	0.0994	0.0135	-0.1905	Omnivore	Evolutionary	-15.621	146.501	27	25.5	2082	0.829	2	47	Wardhaugh 2013
272	Insecta	-0.1059	-0.1209	-0.0251	Decomposer	Evolutionary	18.267	-155.934	2577	9.6	871	0.381	2	9	Gruner 2003
273	Insecta	-0.1059	-0.1209	-0.0251	Decomposer	Evolutionary	39.001	-2.059	925	14.3	474	0.252	2	11	Hódar 1996
274	Malacostraca	0.2189	0.1618	0.0514	Decomposer	Evolutionary	16.034	74.630	75	27.2	2751	0.648	4	7	Ganihar 1997
275	Malacostraca	0.2189	0.1618	0.0514	Decomposer	Evolutionary	-37.616	150.493	760	11.1	737	0.673	2	8	Gowing & Recher 1984
276	Malacostraca	0.2189	0.1618	0.0514	Decomposer	Evolutionary	18.636	-154.221	2577	9.6	871	0.381	2	9	Gruner 2003
277	Malacostraca	0.2189	0.1618	0.0514	Decomposer	Evolutionary	38.483	-4.122	925	14.3	474	0.252	2	11	Hódar 1996

278	Malacostraca	0.2189	0.1618	0.0514	Decomposer	Evolutionary	51.751	-10.195	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
279	Malacostraca	0.2189	0.1618	0.0514	Decomposer	Evolutionary	17.322	-65.886	1143	18.2	2892	0.691	3	29	Richardson *et al.* 2000
280	Malacostraca	0.2189	0.1618	0.0514	Decomposer	Evolutionary	-14.497	146.331	27	25.5	2082	0.829	2	47	Wardhaugh 2013
281	Malacostraca	0.2076	0.1657	0.0652	Decomposer	Ontogenetic	51.273	-9.897	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
282	Malacostraca	0.2303	0.1579	0.0376	Decomposer	Ontogenetic	52.208	-9.276	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010
283	Malacostraca	0.2303	0.1579	0.0376	Decomposer	Ontogenetic	52.654	-7.940	71	10.1	1185	0.771	2	23	McLaughlin *et al.* 2010

*Code: Identification number of the equation.
*Taxonomic classification for each specimen (Class).
*PCGM1: It is the first shape principal component and it represents the slenderness with reduction of cephalic area (Fig. S2, Fig. S3, Fig. S4, Fig. S5, Fig. S6).
*PCGM2: It is the second shape principal componet and it represents the body thickness (Fig. S2, Fig. S3, Fig. S4, Fig. S5, Fig. S6).
*PCGM3: It is the third shape principal component and it represents the relative abdomen volume (Fig. S2, Fig. S3, Fig. S4, Fig. S5, Fig. S6).
*Feeding habits: Arthropods have been classified in 5 categories according to their feedin habits: 1) Decomposer, 2) Herbivores, 3) Omnivores, 4) Predators and 5) Undefined (Fig. S7).
*Type of allomety: Type of Mass-Length equation: 1) Static (intraspecific juvenile and intraspecific adult), 2) ontogenetic (intraspecific multi-instar) and 3) evolutionary (interspecific adult and interspecific multi-instar) (Fig. S8).
*Latitude: In sexagesimal degrees (e.g.: 52.135° in the Northern hemisphere or -52.135° in the Southern hemisphere).
*Longitude: In sexagesimal degrees (e.g.: 74.120° in the Eastern hemisphere or -74.120° in the Western Hemisphere).
*Altitude: In meters above sea level (m).
*MAT: Mean annual temperature in Celsius degrees (°C).
*MAP: Mean annual precipitation in milimeters (mm).
*NDVI: Normalized difference vegetation index varies between -1.0 and 1.0. Negative values correspond to wáter, negative values close to zero correspond to áreas of rock, sand or snow and positiva values represents vegetation.
*Original equation: Type of equation used in the original study (Table S4).
*Site: Code of the point where field sampling of the original study was carried out by the authors in the Reference (Fig. 2, Table S3).
*Reference: Bibliographic reference.

Table S1: Database using to evaluate scaling factor *a* and allometric factor *b* (cont'd).

Code	Group1	Group2	Group3	Class	Subclass	Infraclass	Superorder	Order	Suborder	Family	Genus	Species
1	Acari	Acari	Acari	Arachnida	Micrura	Acari	---	---	---	---	---	---
2	Acari	Acari	Acari	Arachnida	Micrura	Acari	---	---	---	---	---	---
3	Acari	Acari	Acari	Arachnida	Micrura	Acari	---	---			---	---
4	Acari	Acari	Acari	Arachnida	Micrura	Acari	---	---	---	---	---	---
5	Acari	Acari	Acari	Arachnida	Micrura	Acari	Acariformes	---	---	---	---	---
6	Acari	Acari	Acari	Arachnida	Micrura	Acari	---	---	---	---	---	---
7	Acari	Mesostigmata	Mesostigmata	Arachnida	Micrura	Acari	Parasitiformes	Mesostigmata	---	---	---	---
8	Acari	Mesostigmata	Mesostigmata	Arachnida	Micrura	Acari	Parasitiformes	Mesostigmata	---	---	---	---
9	Acari	Oribatida	Sarcoptiformes	Arachnida	Micrura	Acari	Acariformes	Sarcoptiformes	Oribatida	---	---	---
10	Acari	Oribatida	Sarcoptiformes	Arachnida	Micrura	Acari	Acariformes	Sarcoptiformes	Oribatida	---	---	---
11	Acari	Oribatida	Sarcoptiformes	Arachnida	Micrura	Acari	Acariformes	Sarcoptiformes	Oribatida	---	---	---
12	Acari	Oribatida	Sarcoptiformes	Arachnida	Micrura	Acari	Acariformes	Sarcoptiformes	Oribatida	---	---	---
13	Acari	Prostigmata	Trombidiformes	Arachnida	Micrura	Acari	Acariformes	Trombidiformes	Prostigmata	---	---	---
14	Acari	Prostigmata	Trombidiformes	Arachnida	Micrura	Acari	Acariformes	Trombidiformes	Prostigmata	---	---	---
15	Araneae	Araneae	Agelenidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Agelenidae	---	---
16	Araneae	Araneae	Agelenidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Agelenidae	---	---
17	Araneae	Araneae	Agelenidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Agelenidae	---	---
18	Araneae	Araneae	Amaurobiidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Amaurobiidae	---	---
19	Araneae	Araneae	Amaurobiidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Amaurobiidae	---	---
20	Araneae	Araneae	Araneae	Arachnida	Micrura	Megoperculata	NA	Araneae	---	---	---	---
21	Araneae	Araneae	Araneae	Arachnida	Micrura	Megoperculata	NA	Araneae	---	---	---	---
22	Araneae	Araneae	Araneae	Arachnida	Micrura	Megoperculata	NA	Araneae	---	---	---	---
23	Araneae	Araneae	Araneae	Arachnida	Micrura	Megoperculata	NA	Araneae	---	---	---	---
24	Araneae	Araneae	Araneae	Arachnida	Micrura	Megoperculata	NA	Araneae	---	---	---	---
25	Araneae	Araneae	Araneae	Arachnida	Micrura	Megoperculata	NA	Araneae	---	---	---	---
26	Araneae	Araneae	Araneae	Arachnida	Micrura	Megoperculata	NA	Araneae	---	---	---	---

27	Araneae	Araneae	Araneae	Arachnida	Micrura	Megoperculata	NA	Araneae	---	---	---	---
28	Araneae	Araneae	Araneae	Arachnida	Micrura	Megoperculata	NA	Araneae	---	---	---	---
29	Araneae	Araneae	Araneae	Arachnida	Micrura	Megoperculata	NA	Araneae	---	---	---	---
30	Araneae	Araneae	Araneae	Arachnida	Micrura	Megoperculata	NA	Araneae	---	---	---	---
31	Araneae	Araneae	Araneae	Arachnida	Micrura	Megoperculata	NA	Araneae	---	---	---	---
32	Araneae	Araneae	Araneae	Arachnida	Micrura	Megoperculata	NA	Araneae	---	---	---	---
33	Araneae	Araneae	Araneae	Arachnida	Micrura	Megoperculata	NA	Araneae	---	---	---	---
34	Araneae	Araneae	Araneae	Arachnida	Micrura	Megoperculata	NA	Araneae	---	---	---	---
35	Araneae	Araneae	Araneae	Arachnida	Micrura	Megoperculata	NA	Araneae	---	---	---	---
36	Araneae	Araneae	Araneae	Arachnida	Micrura	Megoperculata	NA	Araneae	---	---	---	---
37	Araneae	Araneae	Araneae	Arachnida	Micrura	Megoperculata	NA	Araneae	---	---	---	---
38	Araneae	Araneae	Araneae	Arachnida	Micrura	Megoperculata	NA	Araneae	---	---	---	---
39	Araneae	Araneae	Araneae	Arachnida	Micrura	Megoperculata	NA	Araneae	---	---	---	---
40	Araneae	Araneae	Araneae	Arachnida	Micrura	Megoperculata	NA	Araneae	---	---	---	---
41	Araneae	Araneae	Araneae	Arachnida	Micrura	Megoperculata	NA	Araneae	---	---	---	---
42	Araneae	Araneae	Araneae	Arachnida	Micrura	Megoperculata	NA	Araneae	---	---	---	---
43	Araneae	Araneae	Araneae	Arachnida	Micrura	Megoperculata	NA	Araneae	---	---	---	---
44	Araneae	Araneae	Araneae	Arachnida	Micrura	Megoperculata	NA	Araneae	---	---	---	---
45	Araneae	Araneae	Clubionidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Clubionidae	Clubiona	*Clubiona brevipes*
46	Araneae	Araneae	Clubionidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Clubionidae	Clubiona	*Clubiona pallidula*
47	Araneae	Araneae	Clubionidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Clubionidae	Clubiona	*Clubiona corticalis*
48	Araneae	Araneae	Clubionidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Clubionidae	Clubiona	*Clubiona spp*
49	Araneae	Araneae	Clubionidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Clubionidae	Clubiona	*Clubiona brevipes*
50	Araneae	Araneae	Clubionidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Clubionidae	Clubiona	*Clubiona pallidula*
51	Araneae	Araneae	Clubionidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Clubionidae	Clubiona	*Clubiona spp*
52	Araneae	Araneae	Clubionidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Clubionidae	---	---
53	Araneae	Araneae	Clubionidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Clubionidae	---	---
54	Araneae	Araneae	Clubionidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Clubionidae	---	---

55	Araneae	Araneae	Clubionidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Clubionidae	---	---
56	Araneae	Araneae	Corinnidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Corinnidae	---	---
57	Araneae	Araneae	Corinnidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Corinnidae	---	---
58	Araneae	Araneae	Ctenidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Ctenidae	---	---
59	Araneae	Araneae	Ctenidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Ctenidae	---	---
60	Araneae	Araneae	Gnaphosidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Gnaphosidae	---	---
61	Araneae	Araneae	Gnaphosidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Gnaphosidae	---	---
62	Araneae	Araneae	Gnaphosidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Gnaphosidae	---	---
63	Araneae	Araneae	Linyphiidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Linyphiidae	Moebelia	*Moebelia penicillata*
64	Araneae	Araneae	Linyphiidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Linyphiidae	---	---
65	Araneae	Araneae	Linyphiidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Linyphiidae	---	---
66	Araneae	Araneae	Linyphiidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Linyphiidae	---	---
67	Araneae	Araneae	Linyphiidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Linyphiidae	---	---
68	Araneae	Araneae	Linyphiidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Linyphiidae	---	---
69	Araneae	Araneae	Lycosidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Lycosidae	---	---
70	Araneae	Araneae	Lycosidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Lycosidae	Trochosa	*Trochosa ruricola*
71	Araneae	Araneae	Lycosidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Lycosidae	---	---
72	Araneae	Araneae	Lycosidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Lycosidae	---	---
73	Araneae	Araneae	Lycosidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Lycosidae	---	---
74	Araneae	Araneae	Lycosidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Lycosidae	---	---
75	Araneae	Araneae	Oonopidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Oonopidae	---	---
76	Araneae	Araneae	Oonopidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Oonopidae	---	---
77	Araneae	Araneae	Philodromidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Philodromidae	Philodromus	*Philodromus sp*
78	Araneae	Araneae	Philodromidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Philodromidae	Philodromus	*Philodromus sp*
79	Araneae	Araneae	Philodromidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Philodromidae	---	---
80	Araneae	Araneae	Philodromidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Philodromidae	---	---
81	Araneae	Araneae	Philodromidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Philodromidae	---	---
82	Araneae	Araneae	Philodromidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Philodromidae	---	---

83	Araneae	Araneae	Pisauridae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Pisauridae	---	---
84	Araneae	Araneae	Pisauridae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Pisauridae	---	---
85	Araneae	Araneae	Pisauridae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Pisauridae	---	---
86	Araneae	Araneae	Salticidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Salticidae	---	---
87	Araneae	Araneae	Salticidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Salticidae	---	---
88	Araneae	Araneae	Salticidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Salticidae	---	---
89	Araneae	Araneae	Segestriidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Segestriidae	Segestria	*Segestria senoculata*
90	Araneae	Araneae	Theridiidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Theridiidae	Steatoda	*Steatoda bipunctata*
91	Araneae	Araneae	Theridiidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Theridiidae	---	---
92	Araneae	Araneae	Theridiidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Theridiidae	---	---
93	Araneae	Araneae	Theridiidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Theridiidae	---	---
94	Araneae	Araneae	Thomisidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Thomisidae	---	---
95	Araneae	Araneae	Thomisidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Thomisidae	Tmarus	---
96	Araneae	Araneae	Thomisidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Thomisidae	---	---
97	Araneae	Araneae	Thomisidae	Arachnida	Micrura	Megoperculata	NA	Araneae	Araneomorphae	Thomisidae	---	---
98	Opilionida	Opilionida	Opilionida	Arachnida	Dromopoda	NA	NA	Opilionida	---	---	---	---
99	Opilionida	Opilionida	Opilionida	Arachnida	Dromopoda	NA	NA	Opilionida	---	---	---	---
100	Opilionida	Opilionida	Opilionida	Arachnida	Dromopoda	NA	NA	Opilionida	---	---	---	---
101	Opilionida	Opilionida	Opilionida	Arachnida	Dromopoda	NA	NA	Opilionida	---	---	---	---
102	Opilionida	Opilionida	Opilionida	Arachnida	Dromopoda	NA	NA	Opilionida	---	---	---	---
103	Opilionida	Opilionida	Opilionida	Arachnida	Dromopoda	NA	NA	Opilionida	---	---	---	---
104	Opilionida	Opilionida	Phalangiidae	Arachnida	Dromopoda	NA	NA	Opilionida	Palpatores	Phalangiidae	Lacinius	*Lacinius ephippiatus*
105	Opilionida	Opilionida	Phalangiidae	Arachnida	Dromopoda	NA	NA	Opilionida	Palpatores	Phalangiidae	Odiellus	*Odiellus spinosus*
106	Opilionida	Opilionida	Phalangiidae	Arachnida	Dromopoda	NA	NA	Opilionida	Palpatores	Phalangiidae	Rilaena	*Rilaena traingularis*
107	Opilionida	Opilionida	Sclerosomatidae	Arachnida	Dromopoda	NA	NA	Opilionida	Palpatores	Sclerosomatidae	Leiobunum	*Leiobunum blackwalli*
108	Pseudoscorpionida	Pseudoscorpionida	Pseudoscorpionida	Arachnida	Dromopoda	NA	NA	Pseudoscorpionida	---	---	---	---
109	Pseudoscorpionida	Pseudoscorpionida	Pseudoscorpionida	Arachnida	Dromopoda	NA	NA	Pseudoscorpionida	---	---	---	---
110	Pseudoscorpionida	Pseudoscorpionida	Pseudoscorpionida	Arachnida	Dromopoda	NA	NA	Pseudoscorpionida	---	---	---	---

111	Pseudoscorpionida	Pseudoscorpionia	Pseudoscorpionida	Arachnida	Dromopoda	NA	NA	Pseudoscorpionida	---	---	---	---
112	Scorpionida	Scorpionida	Scorpionida	Arachnida	Dromopoda	NA	NA	Scorpionida	---	---	---	---
113	Chilopoda	Chilopoda	Chilopoda	Chilopoda	---	---	---	---	---	---	---	---
114	Chilopoda	Chilopoda	Chilopoda	Chilopoda	---	---	---	---	---	---	---	---
115	Chilopoda	Chilopoda	Geophilomorpha	Chilopoda	Pleurostigmophora	NA	Epimorpha	Geophilomorpha	---	---	---	---
116	Chilopoda	Chilopoda	Geophilomorpha	Chilopoda	---	---	---	---	---	---	---	---
117	Chilopoda	Chilopoda	Geophilomorpha	Chilopoda	Pleurostigmophora	NA	Epimorpha	Geophilomorpha	---	---	---	---
118	Chilopoda	Chilopoda	Henicopidae	Chilopoda	Pleurostigmophora	NA	NA	Lithobiomorpha	NA	Henicopidae	Lamyctes	*Lamyctes fulvicornis*
119	Chilopoda	Chilopoda	Lithobiidae	Chilopoda	Pleurostigmophora	NA	NA	Lithobiomorpha	NA	Lithobiidae	Lithobius	*Lithobius erythrocephalus*
120	Chilopoda	Chilopoda	Lithobiidae	Chilopoda	Pleurostigmophora	NA	NA	Lithobiomorpha	NA	Lithobiidae	Lithobius	*Lithobius microps*
121	Chilopoda	Chilopoda	Lithobiidae	Chilopoda	Pleurostigmophora	NA	NA	Lithobiomorpha	NA	Lithobiidae	Lithobius	*Lithobius mutabilis*
122	Chilopoda	Chilopoda	Lithobiidae	Chilopoda	Pleurostigmophora	NA	NA	Lithobiomorpha	NA	Lithobiidae	Lithobius	*Lithobius mutabilis*
123	Chilopoda	Chilopoda	Lithobiomorpha	Chilopoda	Pleurostigmophora	NA	NA	Lithobiomorpha	---	---	---	---
124	Chilopoda	Chilopoda	Scolopendromorpha	Chilopoda	Pleurostigmophora	NA	Epimorpha	Scolopendromorpha	---	---	---	---
125	Chilopoda	Chilopoda	Scolopendromorpha	Chilopoda	Pleurostigmophora	NA	Epimorpha	Scolopendromorpha	---	---	---	---
126	Chilopoda	Chilopoda	Scutigeromorpha	Chilopoda	Notostigmophora	NA	NA	Scutigeromorpha	---	---	---	---
127	Diplopoda	Diplopoda	Diplopoda	Diplopoda	---	---	---	---	---	---	---	---
128	Diplopoda	Diplopoda	Diplopoda	Diplopoda	---	---	---	---	---	---	---	---
129	Diplopoda	Diplopoda	Diplopoda	Diplopoda	---	---	---	---	---	---	---	---
130	Diplopoda	Diplopoda	Julidae	Diplopoda	Chilognatha	Helminthomorpha	Juliformia	Julida	NA	Julidae	Pachyiulus	*Pachyiulus flavipes*
131	Diplopoda	Diplopoda	Julidae	Diplopoda	Chilognatha	Helminthomorpha	Juliformia	Julida	NA	Julidae	Amblyiulus	*Amblyiulus continentalis*
132	Diplopoda	Diplopoda	Julidae	Diplopoda	Chilognatha	Helminthomorpha	Juliformia	Julida	NA	Julidae	Ophyiulus	*Ophyiulus pilosus*
133	Diplopoda	Diplopoda	Polydesmidae	Diplopoda	Chilognatha	Helminthomorpha	Merocheta	Polydesmida	NA	Polydesmidae	Polydesmus	*Polydesmus angustus*
134	Diplopoda	Diplopoda	Trigoniulidae	Diplopoda	Chilognatha	Helminthomorpha	Anocheta	Spirobolida	Trigoniulidea	Trigoniulidae	Trigoniulus	*Trigoniulus corallinus*
135	Collembola	Collembola	Collembola	Entognatha	Collembola	---	---	---	---	---	---	---
136	Collembola	Collembola	Collembola	Entognatha	Collembola	---	---	---	---	---	---	---
137	Collembola	Collembola	Collembola	Entognatha	Collembola	---	---	---	---	---	---	---
138	Collembola	Collembola	Collembola	Entognatha	Collembola	---	---	---	---	---	---	---

139	Collembola	Collembola	Collembola	Entognatha	Collembola	---	---	---	---	---	---	---
140	Collembola	Entomobryomorpha	Entomobryidae	Entognatha	Collembola	NA	NA	Entomobryomorpha	NA	Entomobryidae	---	---
141	Collembola	Entomobryomorpha	Entomobryidae	Entognatha	Collembola	NA	NA	Entomobryomorpha	NA	Entomobryidae	Orchesella	*Orchesella cincta*
142	Collembola	Entomobryomorpha	Entomobryomorpha	Entognatha	Collembola	NA	NA	Entomobryomorpha	---	---	---	---
143	Collembola	Entomobryomorpha	Isotomidae	Entognatha	Collembola	NA	NA	Entomobryomorpha	NA	Isotomidae	---	---
144	Collembola	Entomobryomorpha	Isotomidae	Entognatha	Collembola	NA	NA	Entomobryomorpha	NA	Isotomidae	Folsomia	*Folsomia quadrioculata*
145	Collembola	Entomobryomorpha	Isotomidae	Entognatha	Collembola	NA	NA	Entomobryomorpha	NA	Isotomidae	Isotomiella	*Isotomiella minor*
146	Collembola	Entomobryomorpha	Isotomidae	Entognatha	Collembola	NA	NA	Entomobryomorpha	NA	Isotomidae	Isotoma	*Isotoma notabilis*
147	Collembola	Entomobryomorpha	Isotomidae	Entognatha	Collembola	NA	NA	Entomobryomorpha	NA	Isotomidae	Folsomia	*Folsomia quadrioculata*
148	Collembola	Entomobryomorpha	Isotomidae	Entognatha	Collembola	NA	NA	Entomobryomorpha	NA	Isotomidae	Isotomiella	*Isotomiella minor*
149	Collembola	Entomobryomorpha	Isotomidae	Entognatha	Collembola	NA	NA	Entomobryomorpha	NA	Isotomidae	Isotoma	*Isotoma notabilis*
150	Collembola	Entomobryomorpha	Isotomidae	Entognatha	Collembola	NA	NA	Entomobryomorpha	NA	Isotomidae	Folsomia	*Folsomia hasegawai*
151	Collembola	Entomobryomorpha	Isotomidae	Entognatha	Collembola	NA	NA	Entomobryomorpha	NA	Isotomidae	Folsomia	*Folsomia candida*
152	Collembola	Entomobryomorpha	Isotomidae	Entognatha	Collembola	NA	NA	Entomobryomorpha	NA	Isotomidae	Isotoma	*Isotoma trispinata*
153	Collembola	Entomobryomorpha	Tomoceridae	Entognatha	Collembola	NA	NA	Entomobryomorpha	NA	Tomoceridae	Tomocerus	*Tomocerus flavescens*
154	Collembola	Entomobryomorpha	Tomoceridae	Entognatha	Collembola	NA	NA	Entomobryomorpha	NA	Tomoceridae	Tomocerus	*Tomocerus minor*
155	Collembola	Poduromorpha	Hypogastruridae	Entognatha	Collembola	NA	NA	Poduromorpha	NA	Hypogastruridae	Hypogastrura	*Hypogastrura cf manubrialis*
156	Collembola	Poduromorpha	Neanuridae	Entognatha	Collembola	NA	NA	Poduromorpha	NA	Neanuridae	---	---
157	Collembola	Poduromorpha	Neanuridae	Entognatha	Collembola	NA	NA	Poduromorpha	NA	Neanuridae	Neanura	*Neanura sp*
158	Collembola	Poduromorpha	Onychiuridae	Entognatha	Collembola	NA	NA	Poduromorpha	NA	Onychiuridae	Onychiurus	*Onychiurus furcifer*
159	Collembola	Poduromorpha	Onychiuridae	Entognatha	Collembola	NA	NA	Poduromorpha	NA	Onychiuridae	Onychiurus	*Onychiurus armatus*
160	Collembola	Poduromorpha	Onychiuridae	Entognatha	Collembola	NA	NA	Poduromorpha	NA	Onychiuridae	Onychiurus	*Onychiurus furcifer*
161	Collembola	Poduromorpha	Onychiuridae	Entognatha	Collembola	NA	NA	Poduromorpha	NA	Onychiuridae	Onychiurus	*Onychiurus armatus*
162	Collembola	Poduromorpha	Onychiuridae	Entognatha	Collembola	NA	NA	Poduromorpha	NA	Onychiuridae	Onychiurus	*Onychiurus furcifer*
163	Collembola	Poduromorpha	Onychiuridae	Entognatha	Collembola	NA	NA	Poduromorpha	NA	Onychiuridae	Onychiurus	*Onychiurus armatus*
164	Collembola	Poduromorpha	Onychiuridae	Entognatha	Collembola	NA	NA	Poduromorpha	NA	Onychiuridae	Onychiurus	*Onychiurus furcifer*
165	Collembola	Poduromorpha	Onychiuridae	Entognatha	Collembola	NA	NA	Poduromorpha	NA	Onychiuridae	Onychiurus	*Onychiurus armatus*
166	Collembola	Poduromorpha	Onychiuridae	Entognatha	Collembola	NA	NA	Poduromorpha	NA	Onychiuridae	Onychiurus	*Onychiurus spp*

167	Collembola	Poduromorpha	Tullbergiidae	Entognatha	Collembola	NA	NA	Poduromorpha	NA	Tullbergiidae	Tullbergia	*Tullbergia krausbaueri*
168	Collembola	Symphypleona	Katiannidae	Entognatha	Collembola	NA	NA	Symphypleona	NA	Katiannidae	Sminthurinus	*Sminthurinus aureus*
169	Collembola	Symphypleona	Katiannidae	Entognatha	Collembola	NA	NA	Symphypleona	NA	Katiannidae	Sminthurinus	*Sminthurinus flammeoulus*
170	Collembola	Symphypleona	Sminthuridae	Entognatha	Collembola	NA	NA	Symphypleona	NA	Sminthuridae	---	---
171	Collembola	Symphypleona	Sminthuridae	Entognatha	Collembola	NA	NA	Symphypleona	NA	Sminthuridae	Allacma	*Allacma fusca*
172	Coleoptera	Coleoptera	Alleculidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Alleculidae	---	---
173	Coleoptera	Coleoptera	Anobiidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Anobiidae	---	---
174	Coleoptera	Coleoptera	Aphodiidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Aphodiidae	---	---
175	Coleoptera	Coleoptera	Buprestidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Buprestidae	---	---
176	Coleoptera	Coleoptera	Carabidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Adephaga	Carabidae	---	---
177	Coleoptera	Coleoptera	Carabidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Adephaga	Carabidae	---	---
178	Coleoptera	Coleoptera	Carabidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Adephaga	Carabidae	---	---
179	Coleoptera	Coleoptera	Carabidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Adephaga	Carabidae	---	---
180	Coleoptera	Coleoptera	Carabidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Adephaga	Carabidae	---	---
181	Coleoptera	Coleoptera	Carabidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Adephaga	Carabidae	---	---
182	Coleoptera	Coleoptera	Carabidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Adephaga	Carabidae	Abax	*Abax parallelepipedus*
183	Coleoptera	Coleoptera	Carabidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Adephaga	Carabidae	Bembidion	*Bembidion lampros*
184	Coleoptera	Coleoptera	Carabidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Adephaga	Carabidae	Nebria	*Nebria brevicollis*
185	Coleoptera	Coleoptera	Carabidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Adephaga	Carabidae	Pterostichus	*Pterostichus crenatus*
186	Coleoptera	Coleoptera	Carabidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Adephaga	Carabidae	Pterostichus	*Pterostichus nigrita*
187	Coleoptera	Coleoptera	Carabidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Adephaga	Carabidae	Pterostichus	*Pterostichus strenuus*
188	Coleoptera	Coleoptera	Carabidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Adephaga	Carabidae	---	---
189	Coleoptera	Coleoptera	Carabidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Adephaga	Carabidae	---	---
190	Coleoptera	Coleoptera	Carabidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Adephaga	Carabidae	---	---
191	Coleoptera	Coleoptera	Carabidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Adephaga	Carabidae	---	---
192	Coleoptera	Coleoptera	Carabidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Adephaga	Carabidae	---	---
193	Coleoptera	Coleoptera	Carabidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Adephaga	Carabidae	---	---
194	Coleoptera	Coleoptera	Cerambycidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Cerambycidae	---	---

195	Coleoptera	Coleoptera	Cerambycidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Cerambycidae	---	---
196	Coleoptera	Coleoptera	Chrysomelidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Chrysomelidae	---	---
197	Coleoptera	Coleoptera	Chrysomelidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Chrysomelidae	---	---
198	Coleoptera	Coleoptera	Chrysomelidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Chrysomelidae	---	---
199	Coleoptera	Coleoptera	Ciidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Ciidae	---	---
200	Coleoptera	Coleoptera	Coleoptera	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	---	---	---	---
201	Coleoptera	Coleoptera	Coleoptera	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	---	---	---	---
202	Coleoptera	Coleoptera	Coleoptera	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	---	---	---	---
203	Coleoptera	Coleoptera	Coleoptera	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	---	---	---	---
204	Coleoptera	Coleoptera	Coleoptera	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	---	---	---	---
205	Coleoptera	Coleoptera	Coleoptera	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	---	---	---	---
206	Coleoptera	Coleoptera	Coleoptera	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	---	---	---	---
207	Coleoptera	Coleoptera	Coleoptera	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	---	---	---	---
208	Coleoptera	Coleoptera	Coleoptera	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	---	---	---	---
209	Coleoptera	Coleoptera	Coleoptera	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	---	---	---	---
210	Coleoptera	Coleoptera	Coleoptera	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	---	---	---	---
211	Coleoptera	Coleoptera	Coleoptera	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	---	---	---	---
212	Coleoptera	Coleoptera	Coleoptera	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	---	---	---	---
213	Coleoptera	Coleoptera	Coleoptera	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	---	---	---	---
214	Coleoptera	Coleoptera	Coleoptera	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	---	---	---	---
215	Coleoptera	Coleoptera	Coleoptera	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	---	---	---	---
216	Coleoptera	Coleoptera	Coleoptera	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	---	---	---	---
217	Coleoptera	Coleoptera	Coleoptera	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	---	---	---	---
218	Coleoptera	Coleoptera	Coleoptera	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	---	---	---	---
219	Coleoptera	Coleoptera	Coleoptera	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	---	---	---	---
220	Coleoptera	Coleoptera	Coleoptera	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	---	---	---	---
221	Coleoptera	Coleoptera	Curculionidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Curculionidae	---	---
222	Coleoptera	Coleoptera	Curculionidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Curculionidae	---	---

223	Coleoptera	Coleoptera	Curculionidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Curculionidae	---	---
224	Coleoptera	Coleoptera	Curculionidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Curculionidae	---	---
225	Coleoptera	Coleoptera	Curculionidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Curculionidae	Ectemnorhinus	---
226	Coleoptera	Coleoptera	Curculionidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Curculionidae	Bothrometopus	*Bothrometopus elongatus*
227	Coleoptera	Coleoptera	Curculionidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Curculionidae	Bothrometopus	*Bothrometopus parvulus*
228	Coleoptera	Coleoptera	Curculionidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Curculionidae	Bothrometopus	*Bothrometopus randi*
229	Coleoptera	Coleoptera	Curculionidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Curculionidae	Palirhoeus	*Palirhoeus eatoni*
230	Coleoptera	Coleoptera	Curculionidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Curculionidae	---	---
231	Coleoptera	Coleoptera	Elateridae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Elateridae	---	---
232	Coleoptera	Coleoptera	Histeridae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Histeridae	---	---
233	Coleoptera	Coleoptera	Meloidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Meloidae	---	---
234	Coleoptera	Coleoptera	Nitidulidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Nitidulidae	---	---
235	Coleoptera	Coleoptera	Scarabaeidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Scarabaeidae	---	---
236	Coleoptera	Coleoptera	Scarabaeidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Scarabaeidae	---	---
237	Coleoptera	Coleoptera	Scarabaeidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Scarabaeidae	---	---
238	Coleoptera	Coleoptera	Staphylinidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Staphylinidae	---	---
239	Coleoptera	Coleoptera	Staphylinidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Staphylinidae	---	---
240	Coleoptera	Coleoptera	Staphylinidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Staphylinidae	---	---
241	Coleoptera	Coleoptera	Staphylinidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Staphylinidae	---	---
242	Coleoptera	Coleoptera	Staphylinidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Staphylinidae	---	---
243	Coleoptera	Coleoptera	Tenebrionidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Tenebrionidae	---	---
244	Coleoptera	Coleoptera	Tenebrionidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Tenebrionidae	---	---
245	Coleoptera	Coleoptera	Tenebrionidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Tenebrionidae	---	---
246	Coleoptera	Coleoptera	Tenebrionidae	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera	Polyphaga	Tenebrionidae	Tribolium	*Tribolium brevicornis*
247	Insecta	Insecta	Blattodea	Insecta	Pterygota	Neoptera	Dictyoptera	Blattodea	---	---	---	---
248	Insecta	Insecta	Blattodea	Insecta	Pterygota	Neoptera	Dictyoptera	Blattodea	---	---	---	---
249	Insecta	Insecta	Blattodea	Insecta	Pterygota	Neoptera	Dictyoptera	Blattodea	---	---	---	---
250	Insecta	Insecta	Dermaptera	Insecta	Pterygota	Neoptera	Polyneoptera	Dermaptera	---	---	---	---
251	Insecta	Insecta	Dermaptera	Insecta	Pterygota	Neoptera	Polyneoptera	Dermaptera	---	---	---	---

252	Insecta	Insecta	Formicidae	Insecta	Pterygota	Neoptera	Endopterygota	Hymenoptera	Apocrita	Formicidae	---	---
253	Insecta	Insecta	Formicidae	Insecta	Pterygota	Neoptera	Endopterygota	Hymenoptera	Apocrita	Formicidae	---	---
254	Insecta	Insecta	Formicidae	Insecta	Pterygota	Neoptera	Endopterygota	Hymenoptera	Apocrita	Formicidae	---	---
255	Insecta	Insecta	Formicidae	Insecta	Pterygota	Neoptera	Endopterygota	Hymenoptera	Apocrita	Formicidae	---	---
256	Insecta	Insecta	Formicidae	Insecta	Pterygota	Neoptera	Endopterygota	Hymenoptera	Apocrita	Formicidae	---	---
257	Insecta	Insecta	Formicidae	Insecta	Pterygota	Neoptera	Endopterygota	Hymenoptera	Apocrita	Formicidae	---	---
258	Insecta	Insecta	Formicidae	Insecta	Pterygota	Neoptera	Endopterygota	Hymenoptera	Apocrita	Formicidae	---	---
259	Insecta	Insecta	Formicidae	Insecta	Pterygota	Neoptera	Endopterygota	Hymenoptera	Apocrita	Formicidae	---	---
260	Insecta	Insecta	Insecta	Insecta	Thysanura	---	---	---	---	---	---	---
261	Insecta	Insecta	Insecta	Insecta	Pterygota	Neoptera	Polyneoptera	---	---	---	---	---
262	Insecta	Insecta	Insecta	Insecta	Thysanura	---	---	---	---	---	---	---
263	Insecta	Insecta	Orthoptera	Insecta	Pterygota	Neoptera	Polyneoptera	Orthoptera	---	---	---	---
264	Insecta	Insecta	Orthoptera	Insecta	Pterygota	Neoptera	Polyneoptera	Orthoptera	---	---	---	---
265	Insecta	Insecta	Orthoptera	Insecta	Pterygota	Neoptera	Polyneoptera	Orthoptera	---	---	---	---
266	Insecta	Insecta	Orthoptera	Insecta	Pterygota	Neoptera	Polyneoptera	Orthoptera	---	---	---	---
267	Insecta	Insecta	Orthoptera	Insecta	Pterygota	Neoptera	Polyneoptera	Orthoptera	---	---	---	---
268	Insecta	Insecta	Orthoptera	Insecta	Pterygota	Neoptera	Polyneoptera	Orthoptera	---	---	---	---
269	Insecta	Insecta	Orthoptera	Insecta	Pterygota	Neoptera	Polyneoptera	Orthoptera	---	---	---	---
270	Insecta	Insecta	Orthoptera	Insecta	Pterygota	Neoptera	Polyneoptera	Orthoptera	---	---	---	---
271	Insecta	Insecta	Orthoptera	Insecta	Pterygota	Neoptera	Polyneoptera	Orthoptera	---	---	---	---
272	Insecta	Insecta	Psocoptera	Insecta	Pterygota	Neoptera	Paraneoptera	Psocoptera	---	---	---	---
273	Insecta	Insecta	Psocoptera	Insecta	Pterygota	Neoptera	Paraneoptera	Psocoptera	---	---	---	---
274	Isopoda	Isopoda	Isopoda	Malacostraca	Eumalacostraca	NA	---	Isopoda	---	---	---	---
275	Isopoda	Isopoda	Isopoda	Malacostraca	Eumalacostraca	NA	---	Isopoda	---	---	---	---
276	Isopoda	Isopoda	Isopoda	Malacostraca	Eumalacostraca	NA	---	Isopoda	---	---	---	---
277	Isopoda	Isopoda	Isopoda	Malacostraca	Eumalacostraca	NA	---	Isopoda	---	---	---	---
278	Isopoda	Isopoda	Isopoda	Malacostraca	Eumalacostraca	NA	---	Isopoda	---	---	---	---
279	Isopoda	Isopoda	Isopoda	Malacostraca	Eumalacostraca	NA	---	Isopoda	---	---	---	---

280	Isopoda	Isopoda	Isopoda	Malacostraca	Eumalacostraca	NA	---	Isopoda	---	---	---	---
281	Isopoda	Isopoda	Oniscidae	Malacostraca	Eumalacostraca	NA	---	Isopoda	Oniscidea	Oniscidae	Oniscus	*Oniscus asellus*
282	Isopoda	Isopoda	Porcellionidae	Malacostraca	Eumalacostraca	NA	---	Isopoda	Oniscidea	Porcellionidae	Porcellio	*Porcellio scaber*
283	Isopoda	Isopoda	Porcellionidae	Malacostraca	Eumalacostraca	NA	---	Isopoda	Oniscidea	Porcellionidae	Porcellionides	*Porcellionides cingendus*

*Code: Identification number of the equation.
*Group 1: Classification level to acari, araneae, chilopoda, coleoptera, collembola, insecta, isopoda, opilionida, pseudoscorpionida and scorpionida.
*Group 2: Classification level to Group 1 plus mesostigmata, prostigmata, oribatida, entomobryomorpha, poduromorpha and symphypleona.
*Group 3: Classification to lowest available taxonomic level (from class to family)
*Taxonomic classification for each specimen (from class to species).

Table S2. Number of mass-length equations ($M = aL^b$) detailed by taxonomic group. In bold, the principal groups and the total number of equations for that taxonomic category are in bold.

Taxonomic Group	Number of equations
Arachnida	**112**
Acari	8
Mesostigmata	1
Oribatida	4
Prostigmata	1
Araneae	83
Opilionida	10
Pseudoscorpion	4
Scorpion	1
Chilopoda	**14**
Diplopoda	**8**
Entognatha	**37**
Collembola	5
Entomobryomorpha	15
Poduromorpha	13
Symphypleona	4
Insecta	**102**
Endopterygota	
Coleoptera	75
Hymenoptera (ants)	8
Paraneoptera	
Psocoptera	2
Polyneoptera	1
Blattodea	3
Dermaptera	2
Orthoptera	9
Thysanura	2
Isopoda	**10**
Total	**283**

Table S3. Set of points around the world with the allometric equations used in this study. Each site was sampled by the authors in the reference, and we provide information about the code of the site, the number of equations by site, the reference, the location, the type of habitat and the biome according to the World Wildlife Fund (WWF).

Site	Reference	Number of equations	Location	Habitat	Biome
1	Beaver & Baldwin 1975	1	San Isabel National Forest, Wet Mountains, Colorado, EEUU	Temperate conifer forest	TCF
2	Breymeyer 1967	2	Poland	---	TMF
3	Clausen 1983	12	North Zealand, Denmark	Forest of linden trees (Tilia)	TMF
4	Díaz & Díaz 1990	3	Madrid and Segovia, Spain	Variety of habitats, from cereal crops to piornales	MEF
5	Edwards 1996, Edwards & Gabriel 1998	38	Frances Crane Management Area, Cape Cod, Massachusetts, EEUU	Temperate forest (Pine forest and scrub oaks)	TMF
6	Ganihar 1997	12	Bicholim taluk, Goa, India	Tropical forest	TSMF
7	Gowing & Recher 1984	5	Southern Tablelands of New South Wales, Australia	Eucalypt forest and woodland	TMF
8	Gruner 2003	13	Hawaiian Islands, EEUU	Subtropical islands	TCF
9	Henschel *et al*. 1996	2	Main River, Würzburg, Bavaria, Sounthern Germany	Riparian forest	TMF
10	Hódar 1996	26	Guadix-Baza Basin, Granada, Spain	Shrubsteppes, cereal crops, fallow lands and cleared oakwood	MEF
11	Höfer & Ott 2009	2	Reserva do Cachoeira, Antonina, Paraná, Brazil	Mata Atlântica	TSMF
12	Höfer & Ott 2009	16	Brazilian Agricultural Research Corporation, Brazil	Natural tropical forests and agroforestry (tree plantations)	TSMF
13	Jarošík 1989	1	Western and Central Bohemia, Czech Republic	Temperate forest	TMF
14	Johnson & Strong 2000	5	Jamaica Island	Temperate island	TSDF
15	Klarner *et al*. 2017	1	Bukit Duabelas National Park, Sumatra, Indonesia	Lowland Rainforest (jungle rubber, rubber and oil palm)	TSMF
16	Klarner *et al*. 2017	1	Harapan landscape, Sumatra, Indonesia	Lowland Rainforest (jungle rubber, rubber and oil palm)	TSMF
17	Lang *et al*. 1997	5	Agroecosystem research network, Munich, Germany	Arable land	TMF
18	LeBrun 1971	1	Commune Hamme-Mille, Val-Due, Moyenne, Belgium	Oak Forest, Poplar plantation and hayfield	TMF
19	Marcuzzi 1987	6	Gargano Promontory and Tremiti Islands, Foggia, Apulia, Italy	Mediterranean islands	MEF
20	Mazantseva 1975	2	Moscow, Russia	---	TMF
21	McLaughlin *et al*. 2010	30	River Lee, South-West Cork, Ireland	Deciduous alluvial forest	TMF
22	Mercer *et al*. 2001	12	Marion Island, Western Cape Province, South Africa	Sub-antartic island	TUN
23	Newton & Proctor 2013	4	Alberta, Canada	Mixed deciduous-coniferous forest, grassland and woodland	BOF

24	Ruiz-Lupión, D (unpublished)	1	Picos de Europa, Asturias, Spain	Beech Forest of *Fagus sylvatica*	TMF
25	Ruiz-Lupión, D (unpublished)	2	Asturias, Spain	Beech Forest of *Fagus sylvatica*	TMF
26	Petersen 1975	18	Juntland (Hestehave Wood at Kalo), Denmark	Beech Forest of *Fagus sylvatica*	TMF
27	Richardson *et al*. 2000	4	Luquillo Experimental Forest, Puerto Rico Island	Subtropical Forest of tabonuco, palm and colorado trees	TSMF
28	Rogers *et al*. 1977	7	Hanford Site, South-central Washington, EEUU	Arid lands	TMF
29	Sabo *et al*. 2002	5	Eel River, Mendocino County, California, EEUU	Mediterranean Forest of douglas fir and redwood trees	MEF
30	Sage 1982	4	Austin, Texas, EEUU	Natural habitats	TGS
31	Sample *et al*. 1993	7	Eastern West Virginia, EEUU	Forested area	TMF
32	Santos Gómez 2013	1	Basal stratum, Valley of Güimar, Tenerife, Canary Islands	Mediterranean mixed community of Cardón and Tabaibas	MEF
33	Santos Gómez 2013	1	Cloudy montane stratum, Valley of Güimar, Tenerife, Canary Islands	Laurisilva and Pine forest (*Pinus canariensis*)	MEF
34	Santos Gómez 2013	1	Summer-Xeric montane, Valley of Güimar, Tenerife, Canary Islands	Mixed community of Fabaceae and Lamiaceae	MEF
35	Santos Gómez 2013	1	Summit stratum, Valley of Güimar, Tenerife, Canary Islands	High mountain vegetation	MEF
36	Schoener 1980	2	Ipswich River Santuary, Massachusetts, EEUU	Temperate deciduous-conifer forest	TMF
37	Schoener 1980	3	Cañas, Guanacaste Province, Costa Rica	Tropical dry forest, including river-bottom forest	TSMF
38	Schoener 1980	3	Guapiles, Limon Province, Costa Rica	Tropical rainforest	TSMF
39	Shinohara *et al*. 2007	1	Okinawa Island, Okinawa Prefecture, Japan	Temperate island	TMF
40	Sokoloff *et al*. 1999	1	Bishop area, California, EEUU	---	MEF
41	Tanaka 1970	7	Mt. Sobo, central Kyushu, Japan	Temperate forests of *Tsuga sieboldii* or *Fagus crenata*	TMF
42	Van Straalen 1989	2	Roggebotzand, Netherlands	Pine stand (*Pinus nigra*) of the forest	TMF
43	Vannier 1973	1	Brunoy (Essone), Paris, France	Temperate zone (Park)	TMF
44	Voigtländer 2000, 2007	4	Neibetal, Görlitz, Germany	Deciduous forest (Laboratory rearing)	TMF
45	Wardhaugh 2013	7	James Cook University, Cape Tribulation, Queensland, Australia	Daintree Rainforest Observatory	TSGS

*TSMF (Tropical and Subtropical Moist Broadleaf Forest), TMF (Temperate Broadleaf and Mixed Forest), TCF (Temperate Conifer Forest), BOF (Boreal Forest or Taiga), TSGS (Tropical and Subtropical Grasslands, Savannas and Shrublands), TGS (Temperate Grasslands, Savannas and Shrublands), TUN (Tundra) and MEF (Mediterranean Forests, Woodlands and Scrub).

Table S4. Set of original equations included in the database and the changes made to each type of equation. In Type I equations, the scaling and allometric factors were obtained directly from the publications without any further transformation. In Type II equations, the factors were obtained by calculating the anti-logarithms of the values provided in the publications. In Type III equations, we reconstructed the values by refitting the original equation and crossed the values with the original ones using an OLS model to calculate the fit (Fig. S1). In Type IV equations, because we had the original data, the values of the factors were obtained by fitting the equation directly.

Type		Original Equation	Number of Equation	Transformation	References
I	1	$M = aL^b$	31	No transformation was performed.	Hofer & Ott 2009; Jarošík 1989; Klarner *et al*. 2017; Lang *et al*. 1997; Sabo *et al*. 2002
II	2	$\text{Ln } M = \text{Ln } a + b\text{Ln } L$	173	Linearization of the equation was reversed by removing the logarithms base e or base 10.	Breymeyer 1967; Clausen 1983; Díaz & Díaz 1990; Edwards 1996, Edwards & Gabriel 1998; Ganihar 1997; Gowing & Recher 1984; Gruner 2003; Henschel *et al*. 1996; Hódar 1996; Johnson & Strong 2000; McLaughlin *et al*. 2010; Rogers *et al*. 1976; Sample *et al*. 1993; Schoener 1980; Wardhaugh 2013
	3	$\log M = \log a + b\log L$	42		Beaver & Baldwin 1975; Mercer *et al*. 2001; Petersen 1975; Richardson *et al*. 2000; Tanaka 1970
III	4	$M = a + bL$	2	New data were generated from the original equation and the potential equation adjusted to the curve (Table S5).	Ganihar 1997
	5	$M = a + b\text{Ln } L$	1		Ganihar 1997
	6	$M = ae^{bL}$	1		Ganihar 1997
	7	$\text{Ln } M = a + b_1L + b_2L^2$	4		Sage 1982
	8	$\log M = \log a_0 + a_1\log L + a_2\log^2 L$	2		Van Straalen 1989
IV	9	Original Dataset	27	In the original studies, the authors did not adjust an equation to the data or they adjusted a different type of equation. We adjusted the logarithmic equation (Type II on this table) to the original dataset.	Ruiz-Lupión, D (unpublished); de los Santos-Gómez 2013; LeBrun 1971; Marcuzzi 1987; Mazantseva 1975; Newton & Proctor 2013; Shinohara *et al*. 2007; Sokoloff *et al*. 1999; Vannier 1973 Voigtländer 2000, 2007

Table S5. Fitting of the potential (allometric) equation to the original curve used by the authors (Fig. S1). And calculation of the coefficients of determination (R^2) and the error associated ($1-R^2$). Average error (± SD) calculated from the set of reconstructed equations was 1.51±1.74%.

Reference	**Taxon**	**Original equation**	**R^2**	**$1 - R^2$**
Ganihar 1997	Isopoda	$M = a + bL$	0.9366	0.0634
Ganihar 1997	Opilionida	$M = a + bLnL$	0.9869	0.0131
Ganihar 1997	Dictyoptera	$M = a + bL$	0.9861	0.0139
Ganihar 1997	Dermaptera	$M = ae^{bL}$	0.9771	0.0229
Sage 1982	Coleoptera	$LnM = a + b_1L + b_2L^2$	0.9966	0.0034
Sage 1982	Coleoptera	$LnM = a + b_1L + b_2L^2$	0.9962	0.0038
Sage 1982	Orthoptera	$LnM = a + b_1L + b_2L^2$	0.9863	0.0137
Sage 1982	Formicidae	$LnM = a + b_1L + b_2L^2$	0.9861	0.0139
Van Straalen 1989	Collembola	$logM = loga_0 + a_1 logL + a_2log^2L$	0.9988	0.0012
Van Straalen 1989	Collembola	$logM = loga_0 + a_1 logL + a_2log^2L$	0.9984	0.0016

Table S6. Pearson correlation matrix of the variables included for analyses.

	PCGM1	PCGM2	PCGM3	Absolute latitude	Absolute longitude	Altitude	MAT	MAP	NDVI
PCGM1	1.00	0.16	-0.04	-0.14	0.06	0.11	0.16	0.02	0.01
PCGM2	0.16	1.00	0.03	-0.06	0.04	0.21	0.00	-0.03	-0.09
PCGM3	-0.04	0.03	1.00	0.03	-0.05	-0.11	-0.07	-0.04	0.14
Absolute latitude	-0.14	-0.06	0.03	1.00	-0.54	-0.23	-0.85	-0.59	-0.20
Absolute longitude	0.06	0.04	-0.05	-0.54	1.00	0.30	0.27	0.32	0.16
Altitude	0.11	0.21	-0.11	-0.23	0.30	1.00	-0.18	-0.16	-0.56
MAT	0.16	0.00	-0.07	-0.85	0.27	-0.18	1.00	0.53	0.35
MAP	0.02	-0.03	-0.04	-0.59	0.32	-0.16	0.53	1.00	0.54
NDVI	0.01	-0.09	0.14	-0.20	0.16	-0.56	0.35	0.54	1.00

Table S7. Summary of the results of the Base, Shape and Geographic LMs analyzing the scaling factor *a*. Units are missing in the table because the variables are standardized. However, the original variables were measured in: altitude (m), absolute latitude and longitude (° degrees in decimal notation), MAT (°C) and MAP (mm/year). NDVI is a proportion of a difference that range between -1 and 1. In mass-length relationship $M = aL^b$, M is mass (mg) and L is length (mm).

Model	Variables included	Estimate	SE	F	d.f.	p (F)
Base model	(intercept)	0.4392	0.0582			
	b	-0.2570	0.0386	44.401	1, 273	***< 0.001***
	Class			49.076	5, 273	***< 0.001***
	NDVI	-0.2377	0.0462	26.512	1, 273	***< 0.001***
	lag1	0.3824	0.0525	53.056	1, 273	***< 0.001***
Shape model	(intercept)	0.6837	0.0780			
	b	-0.3396	0.0386	77.284	1, 270	***< 0.001***
	Class			50.793	5, 270	***< 0.001***
	PCGM1	0.4822	0.0754	40.909	1, 270	***< 0.001***
	PCGM2	0.0485	0.0439	1.221	1, 270	0.2703
	PCGM3	0.1793	0.0506	12.548	1, 270	***< 0.001***
	NDVI	-0.2241	0.0436	26.435	1, 270	***< 0.001***
	lag1	0.3593	0.0506	50.350	1, 270	***< 0.001***
Geographic model	(intercept)	0.6582	0.0753			
	b	-0.3680	0.0356	106.825	1, 267	***< 0.001***
	Class			33.589	5, 267	***< 0.001***
	PCGM1	0.3057	0.0743	16.920	1, 267	***< 0.001***
	PCGM2	0.1123	0.0408	7.556	1, 267	**0.0064**
	PCGM3	0.1074	0.0471	5.193	1, 267	*0.0235*
	Altitude	-0.2759	0.0551	25.079	1, 267	***< 0.001***
	Absolute latitude	-0.3997	0.0373	115.066	1, 267	***< 0.001***
	Longitude	0.0460	0.0436	1.117	1, 267	0.2915
	NDVI	-0.5568	0.0528	111.450	1, 267	***< 0.001***
	lag1	0.1051	0.0570	3.393	1, 267	0.0666

*p-values: ***Italic-bold < 0.001***, **bold 0.001 - 0.01**, *italic 0.01 - 0.05* and normal > 0.05.

Table S8. Summary of the results of the Base, Shape and Geographic LMs analyzing the allometric factor *b*. Units are missing in the table because the variables are standardized. However, the original variables were measured in: altitude (m), absolute latitude and longitude (° degrees in decimal notation), MAT (°C) and MAP (mm/year). NDVI is a proportion of a difference that range between -1 and 1. In mass-length relationship $M = aL^b$, M is mass (mg) and L is length (mm).

Model	Variables included	Estimate	SE	F	d.f.	p (F)
Base model	(intercept)	0.1746	0.1004			
	a	-0.3784	0.0869	18.943	1, 273	***< 0.001***
	Class			21.347	5, 273	***< 0.001***
	NDVI	-0.4183	0.0726	33.208	1, 273	***< 0.001***
	lag1	0.1324	0.0502	6.962	1, 273	**0.0088**
Shape model	(intercept)	0.5108	0.1234			
	a	-0.5466	0.0772	50.161	1, 270	***< 0.001***
	Class			37.410	5, 270	***< 0.001***
	PCGM1	0.7787	0.1096	50.496	1, 270	***< 0.001***
	PCGM2	-0.0708	0.0656	1.203	1, 270	0.2738
	PCGM3	0.4739	0.0712	44.296	1, 270	***< 0.001***
	NDVI	-0.3263	0.0640	26.037	1, 270	***< 0.001***
	lag1	0.0870	0.0481	3.269	1, 270	0.0717
Geographic model	(intercept)	0.5468	0.1211			
	a	-0.7246	0.0778	86.825	1, 267	***< 0.001***
	Class			23.127	5, 267	***< 0.001***
	PCGM1	0.5842	0.1101	27.852	1, 267	***< 0.001***
	PCGM2	0.0289	0.0626	0.213	1, 267	0.6452
	PCGM3	0.4065	0.0683	35.454	1, 267	***< 0.001***
	Altitude	-0.2794	0.0834	11.213	1, 267	***< 0.001***
	Absolute latitude	-0.3958	0.0601	43.369	1, 267	***< 0.001***
	Longitude	0.0855	0.0656	1.695	1, 267	0.1939
	NDVI	-0.6272	0.0817	58.883	1, 267	***< 0.001***
	lag1	0.0704	0.0494	2.032	1, 267	0.1552

*p-values: ***Italic-bold < 0.001***, **bold 0.001 - 0.01**, *italic 0.01 - 0.05* and normal > 0.05.

Table S9. Summary of the results of the Full RLMs analyzing the scaling factor *a* and allometric factor *b*. Units are missing in the table because the variables are standardized. However, the original variables were measured in: altitude (m), absolute latitude and longitude (° degrees in decimal notation), MAT (°C) and MAP (mm/year). NDVI is a proportion of a difference that range between -1 and 1. In mass-length relationship $M = aL^b$, M is mass (mg) and L is length (mm).

Factor	Variables included	Value	SE	F	d.f.	p (F)
Scaling *a*	(intercept)	-0.0407	0.0284			
	b	-0.1147	0.0128	79.898	1, 267	***< 0.001***
	Class			14.197	5, 267	***< 0.001***
	PCGM1	0.0604	0.0265	5.1917	1, 267	*0.0235*
	PCGM2	0.0470	0.0145	10.591	1, 267	**0.0013**
	PCGM3	0.2750	0.0167	2.730	1, 267	*0.0100*
	Altitude	-0.1550	0.0263	34.671	1, 267	***< 0.001***
	Absolute latitude	-0.2343	0.0510	21.070	1, 267	***< 0.001***
	Longitude	0.0022	0.0166	0.018	1, 267	0.8927
	MAT	-0.1105	0.0444	6.190	1, 267	*0.0135*
	MAP	-0.0047	0.0207	0.051	1, 267	0.8220
	NDVI	-0.1730	0.0196	77.937	1, 267	***< 0.001***
Allometric *b*	(intercept)	-0.1115	0.0947			
	a	-0.5748	0.0726	62.705	1, 267	***< 0.001***
	Class			12.570	5, 265	***< 0.001***
	PCGM1	0.1811	0.0880	4.241	1, 267	*0.0404*
	PCGM2	-0.0024	0.0480	0.003	1, 267	0.9696
	PCGM3	0.2599	0.0542	23.043	1, 267	***< 0.001***
	Altitude	-0.5782	-0.5782	47.579	1, 267	***< 0.001***
	Absolute latitude	-1.1679	-1.1679	54.849	1, 267	***< 0.001***
	Longitude	0.1871	0.1871	11.898	1, 267	***< 0.001***
	MAT	-0.9071	-0.9071	42.369	1, 267	***< 0.001***
	MAP	-0.2642	-0.2642	15.446	1, 267	***< 0.001***
	NDVI	-0.2133	-0.2133	9.848	1, 267	**0.0019**

*p-values: ***Italic-bold < 0.001***, **bold 0.001 - 0.01**, *italic 0.01 - 0.05* and normal > 0.05.

Table S10. Summary of the results of the Full LMs analyzing the scaling factor *a* and allometric factor *b* for evolutionary allometries. Units are missing in the table because the variables are standardized. However, the original variables were measured in: altitude (m), absolute latitude and longitude (° degrees in decimal notation), MAT (°C) and MAP (mm/year). NDVI is a proportion of a difference that range between -1 and 1. In mass-length relationship $M = aL^b$, M is mass (mg) and L is length (mm).

Factor	Variables included	Estimate	SE	F	d.f.	p (F)
Scaling *a*	(intercept)	0.5007	0.0994	25.369	1, 199	***< 0.001***
	b	-0.4310	0.0508	72.061	1, 199	***< 0.001***
	Class			24.179	5, 199	***< 0.001***
	PCGM1	0.2819	0.0815	11.974	1, 199	***< 0.001***
	PCGM2	0.1022	0.0437	5.476	1, 199	*0.0203*
	PCGM3	0.1232	0.0596	4.267	1, 199	*0.0402*
	Altitude	-0.5219	0.0975	28.649	1, 199	***< 0.001***
	Absolute latitude	-0.7309	0.1747	17.499	1, 199	***< 0.001***
	Longitude	0.0226	0.0552	0.167	1, 199	0.6830
	MAT	-0.4132	0.1648	6.285	1, 199	*0.0130*
	MAP	0.0852	0.0695	1.504	1, 199	0.2215
	NDVI	-0.6590	0.0704	87.629	1, 199	***< 0.001***
Allometric *b*	(intercept)	-0.0432	0.1251	0.120	1, 199	0.7299
	a	-0.5932	0.0747	63.156	1, 199	***< 0.001***
	Class			20.187	5, 199	***< 0.001***
	PCGM1	0.2252	0.0998	5.091	1, 199	*0.0251*
	PCGM2	0.0728	0.0531	1.882	1, 199	0.1716
	PCGM3	0.3569	0.0690	26.780	1, 199	***< 0.001***
	Altitude	-0.8594	0.1100	61.014	1, 199	***< 0.001***
	Absolute latitude	-1.7609	0.1834	92.228	1, 199	***< 0.001***
	Longitude	0.1900	0.0656	8.389	1, 199	**0.0042**
	MAT	-1.4848	0.1758	71.319	1, 199	***< 0.001***
	MAP	-0.2826	0.0821	11.837	1, 199	***< 0.001***
	NDVI	-0.2388	0.0958	6.211	1, 199	*0.0135*

*p-values: ***Italic-bold < 0.001***, **bold 0.001 - 0.01**, *italic 0.01 - 0.05* and normal > 0.05.

Table S11. Summary of the results of the Shape LMs analyzing the scaling factor *a* and allometric factor *b* for ontogenetic allometries. Units are missing in the table because the variables are standardized. However, the original variables were measured in: altitude (m), absolute latitude and longitude (° degrees in decimal notation), MAT (°C) and MAP (mm/year). NDVI is a proportion of a difference that range between -1 and 1. In mass-length relationship $M = aL^b$, M is mass (mg) and L is length (mm).

Factor	Variables included	Estimate	SE	F	d.f.	p (F)
Scaling *a*	(intercept)	0.7394	0.3159	5.479	1, 38	*0.0246*
	b	-0.7054	0.1007	49.094	1, 38	***< 0.001***
	Class			5.872	5, 38	***< 0.001***
	PCGM1	0.2213	0.7979	0.077	1, 38	0.7831
	PCGM2	0.4955	0.2120	5.462	1, 38	*0.0281*
	PCGM3	-0.1492	0.1645	0.822	1, 38	0.3703
	NDVI	-0.6053	0.1823	11.018	1, 38	**0.0019**
Allometric *b*	(intercept)	1.0382	0.3374	9.468	1, 38	**0.0039**
	a	-0.8716	0.1186	53.973	1, 38	***< 0.001***
	Class			3.151	5, 38	*0.0178*
	PCGM1	1.3108	0.8573	2.338	1, 38	0.1345
	PCGM2	0.4282	0.2322	3.401	1, 38	0.0730
	PCGM3	-0.1074	0.1792	0.359	1, 38	0.5526
	NDVI	-0.4790	0.2042	5.505	1, 38	*0.0243*

*p-values: ***Italic-bold < 0.001***, **bold 0.001 - 0.01**, *italic 0.01 - 0.05* and normal > 0.05.