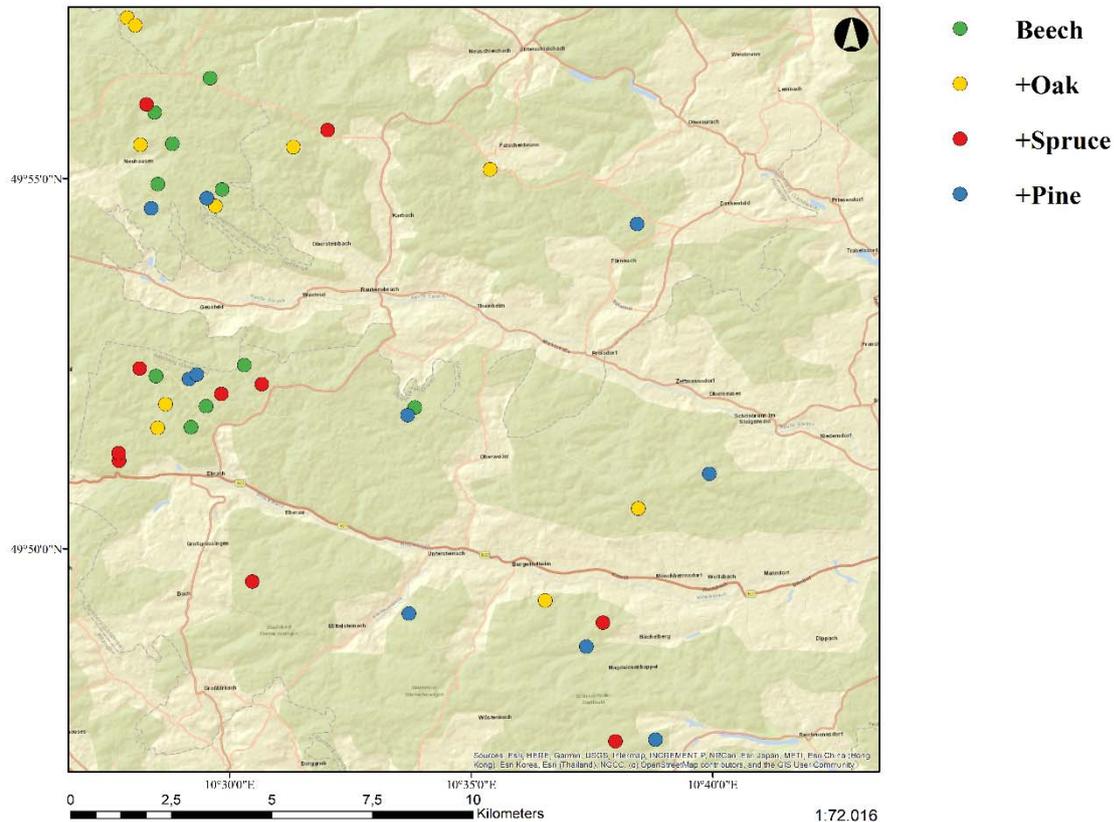


## 6. Supplementary material

### 6.1 Research plots

#### *Location*



**Figure S1:** Map of research plots in the Steigerwald area.

#### *Tree species composition*

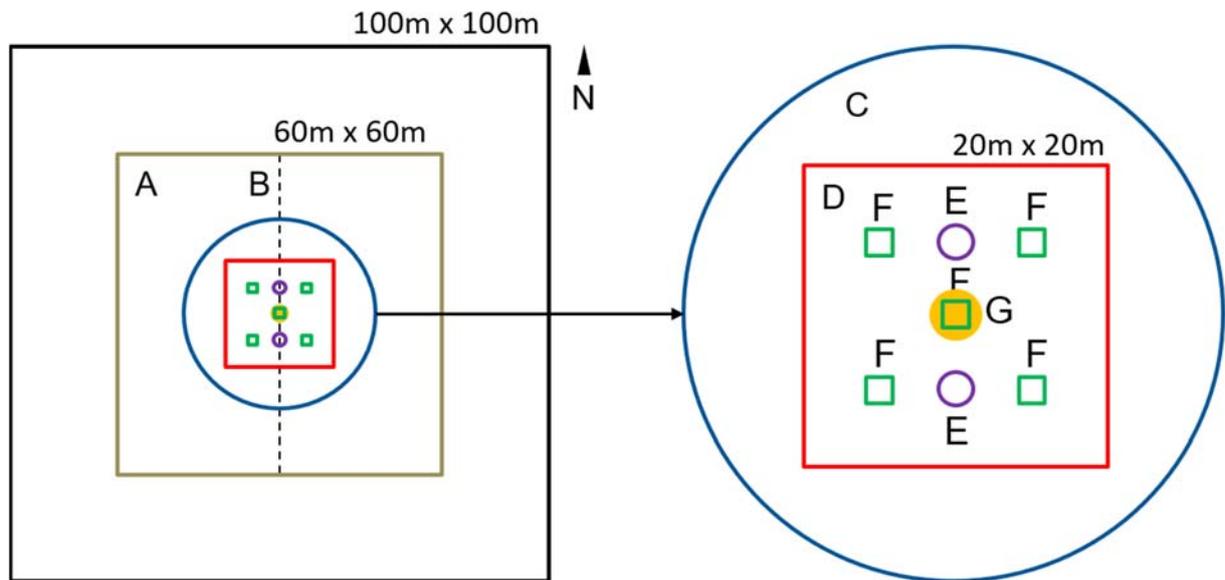
After the selection of research plots based on 2010 forest inventory data and on-site estimations of tree species composition, canopy cover, stand age and regeneration, we conducted a detailed living stand inventory on a 60 m x 60 m rectangular area around the plot centre (Fig. S2A). In some cases, the measurements of the share of basal area of individual tree species differed from the estimate used for the selection of research plots. For 12 out of 41 research plots, the aggregated basal area share of non-target tree species exceeded 10 % (Table S1). In most cases, this excess admixture of non-target species was caused by trees at the edges of the 60 m x 60 m rectangle that were not included in the first estimate, with distances to the plot center usually > 30 m. Non-target admixture was higher for beech-spruce ( $11.1 \pm 0.7$  % share in basal area) and beech-pine ( $9.5 \pm 0.4$  %) forest types compared to pure beech ( $5.2 \pm 0.7$  %) and beech-oak

stands ( $1.7 \pm 0.2$  %). Consequently, the total number of tree species was also higher in forest types with coniferous admixture (Fig. 3), with both share in basal area and absolute number of tree species potentially confounding analyses of effects of forest type based on tree species composition. Table S1 shows details of the tree species composition and forest structural variables for each of the 41 research plots.

**Table S1:** Research plot overview with Plot ID, forest type, and data derived from a detailed stand inventory on tree density, mean DBH, deadwood volume, light availability (ISF), number of tree cavities, number of crown deadwood objects, and share of basal area for all occurring tree genera as well as the aggregated share in basal area of all non-target tree species for each plot.

Plot ID	Forest type	Tree density (ind. per ha)	mean DBH (cm)	Deadwood (m <sup>3</sup> /ha)	ISF	Tree cavities	Crown deadwood objects	Non-target species (%)	Fagus (%)	Quercus (%)	Picea (%)	Pinus (%)	Pseudotsuga (%)	Betula (%)	Alnus (%)	Fraxinus (%)	Carpinus (%)	Prunus (%)	Larix (%)	Tilia (%)
1	Beech	269	36	49	0.06	4	17	0	100	0	0	0	0	0	0	0	0	0	0	0
2	Beech	272	35	22	0.04	8	21	0	100	0	0	0	0	0	0	0	0	0	0	0
3	Beech	197	33	1	0.03	6	16	0	100	0	0	0	0	0	0	0	0	0	0	0
4	Beech	256	31	50	0.04	5	21	0	100	0	0	0	0	0	0	0	0	0	0	0
5	Beech	244	34	29	0.04	8	32	1	99	0	0	0	0	0	0	0	1	0	0	0
6	Beech	511	23	18	0.02	5	33	4	96	0	0	0	0	0	0	0	0	0	3	0
7	Beech	269	31	14	0.05	6	26	9	91	5	0	0	0	0	0	0	0	0	4	0
8	Beech	339	26	15	0.03	0	32	13	87	7	0	0	0	0	0	1	0	0	0	4
9	Beech	425	21	27	0.03	5	48	19	81	8	2	8	0	0	0	0	0	1	0	0
10	+Oak	219	39	10	0.04	4	35	2	87	11	0	2	0	0	0	0	0	0	0	0
11	+Oak	278	28	36	0.04	2	32	3	77	19	0	0	0	0	0	0	0	0	3	0
12	+Oak	317	27	9	0.04	1	25	0	77	23	0	0	0	0	0	0	0	0	0	0
13	+Oak	214	37	0	0.03	5	49	0	71	29	0	0	0	0	0	0	0	0	0	0
14	+Oak	336	30	5	0.03	10	39	3	69	28	0	0	0	0	0	0	3	0	0	0
15	+Oak	333	27	5	0.04	1	38	3	65	32	0	0	0	0	0	0	0	0	3	0
16	+Oak	372	28	17	0.04	1	18	0	51	49	0	0	0	0	0	0	0	0	0	0
17	+Oak	253	33	10	0.05	1	23	4	35	61	0	3	0	0	0	0	0	0	0	0
18	+Oak	358	25	19	0.04	4	27	0	34	66	0	0	0	0	0	0	0	0	0	0
19	+Oak	239	33	7	0.04	3	39	0	23	77	0	0	0	0	0	0	0	0	0	0
20	+Oak	258	34	3	0.06	3	28	4	19	77	1	3	0	0	0	0	0	0	0	0
21	+Pine	439	23	23	0.05	6	26	12	77	0	9	11	0	0	0	0	0	0	3	0
22	+Pine	444	24	11	0.05	5	30	9	77	2	3	14	0	1	0	0	0	0	3	0
23	+Pine	308	32	15	0.05	5	36	4	75	4	0	21	0	0	0	0	0	0	0	0
24	+Pine	636	30	17	0.04	5	35	9	73	3	0	18	0	0	0	0	2	0	4	0
25	+Pine	472	27	25	0.05	2	48	7	72	0	4	21	3	0	0	0	0	0	0	0
26	+Pine	289	36	15	0.03	0	49	14	71	1	13	15	0	0	0	0	0	0	0	0
27	+Pine	406	28	9	0.04	9	48	13	70	0	13	17	0	0	0	0	0	0	0	0
28	+Pine	367	30	21	0.06	7	39	2	67	0	2	31	0	0	0	0	0	0	0	0
29	+Pine	264	38	7	0.04	8	42	3	59	1	2	39	0	0	0	0	0	0	0	0
30	+Pine	600	20	0	0.04	3	59	14	57	0	3	29	0	0	0	0	0	0	9	2
31	+Pine	375	32	10	0.09	2	45	18	40	1	14	42	0	0	0	0	3	0	0	0
32	+Spruce	519	24	10	0.03	3	24	6	80	5	14	0	0	0	0	0	0	0	1	0
33	+Spruce	325	27	31	0.05	6	23	5	78	0	17	0	0	0	0	0	0	0	5	0
34	+Spruce	228	40	36	0.06	6	19	11	72	3	18	0	0	0	0	0	0	0	7	0
35	+Spruce	408	26	13	0.05	2	23	3	69	0	28	0	0	0	0	0	0	0	3	0
36	+Spruce	428	24	3	0.08	3	14	18	65	5	18	1	1	0	0	0	2	0	8	0
37	+Spruce	569	24	4	0.03	2	16	20	58	0	22	5	0	0	0	0	0	0	15	0
38	+Spruce	342	33	4	0.06	6	22	16	38	1	47	2	13	0	0	0	0	0	0	0
39	+Spruce	375	28	36	0.04	4	41	3	28	0	69	1	0	2	0	0	0	0	0	0
40	+Spruce	639	24	22	0.07	0	6	7	26	3	67	0	3	0	0	1	0	0	0	0
41	+Spruce	758	24	6	0.08	3	25	23	18	0	59	11	0	8	1	0	1	0	2	0

## 6.2 Sampling design



**Figure S2:** Sampling design on each research plot. Living stand and deadwood inventories and light measurements conducted on 60 m x 60 m (A). Birds surveyed on 100 m x 100 m using point-stop transect sampling on a 60 m line between the northern and southern edges of the 60 m x 60 m area (B). Fungi surveyed on a circular area of 1,000 m<sup>2</sup> around the plot centre (C). Plant survey conducted on 20 m x 20 m (D). Insect sampling using two flight interception traps at 1.5 m altitude (E). Litter sampling for soil arthropod extraction (F). Location of batcorder (G).

## 6.1 Bat identification process

Bat recordings were submitted to automated species identification using batIdent (Marckmann and Runkel, 2010) which assigns one or more species or species groups (operational taxonomic units; OTU) to each recording. Initial checking of random sequences confirmed high accuracy of the algorithm for the identification of *Pipistrellus pipistrellus* and the OTU 'Mkm' that includes the two *Myotis* species *Myotis bechsteinii*, *Myotis daubentonii* and the *Myotis* group *Myotis brandtii/mystacinus*. Sequences containing other OTUs were re-checked manually by comparing call structure, especially the start-, end- and peak frequencies, to keys (Skiba, 2009; Hammer et al., 2009) and corrected if necessary. Automated identification and subsequent manual checking yielded a dataset with 15 taxa including 10 species-level OTUs (*P. pipistrellus*, *Pipistrellus nathusii*, *Pipistrellus pygmaeus*, *Myotis myotis*, *Myotis alcathoe*, *M. bechsteinii*, *M. daubentonii*, *Myotis nattereri*, *Barbastella barbastellus*, *Nyctalus noctula*) and 5 above-species-level OTUs (*M. brandtii/mystacinus* including *M. brandtii* and *M. mystacinus*; “Plecotus” including both *Plecotus auritus* and *Plecotus austriacus*; “small Nyctaloids” including *Eptesicus nilssonii*, *Eptesicus serotinus*, *Nyctalus leisleri* and *Vespertilio murinus*; “Mkm” including *M. bechsteinii*, *M. brandtii/mystacinus* and *M. daubentonii*; “Myotis” including all species of genus *Myotis*). Bat activity was defined as the number of 1-minute-intervals in a given night that contained at least one recorded bat call (Müller et al., 2012). Stationary social calls by *N. noctula* were not included in the computation of minute calls.

## References

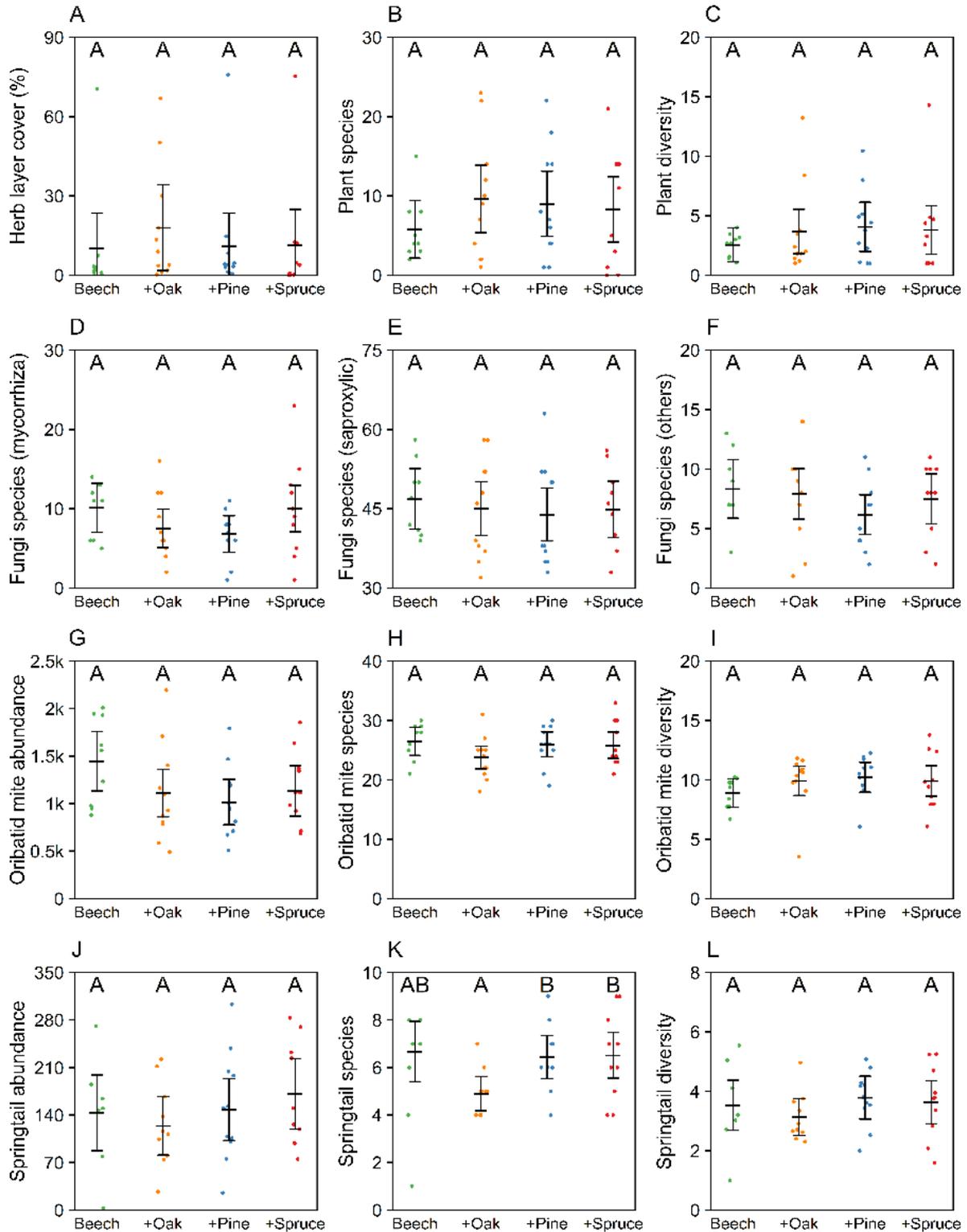
- Hammer, M., A. Zahn and U. Marckmann, 2009. Kriterien für die Wertung von Artnachweisen basierend auf Lautaufnahmen. Koordinationsstellen für Fledermausschutz in Bayern. <https://www.fledermaus-bayern.de/downloads.html?file=files/upload/Downloads/bestimmungshilfen/wertung-artnachweise-lautanalyse.pdf> (accessed 15.07.2021)
- Marckmann, U. and V. Runkel, 2010. Die automatische Rufanalyse mit dem batcorder-System. <https://ecoobs.de/download-de/#toc-1> (accessed 15.07.2021)
- Müller, J., M. Mehr, C. Bässler, B. Fenton, T. Hothorn, H. Pretzsch, H.-J. Klemmt and R. Brandl, 2012. Aggregative response in bats: prey abundance versus habitat. *Oecologia* 169, 673–684.
- Skiba, R., 2009. Europäische Fledermäuse. Kennzeichen, Echoortung und Detektoranwendung, 2<sup>nd</sup> ed. Westarp Wissenschaften, Hohenwarsleben.

## 6.2 Structural differences between forest types

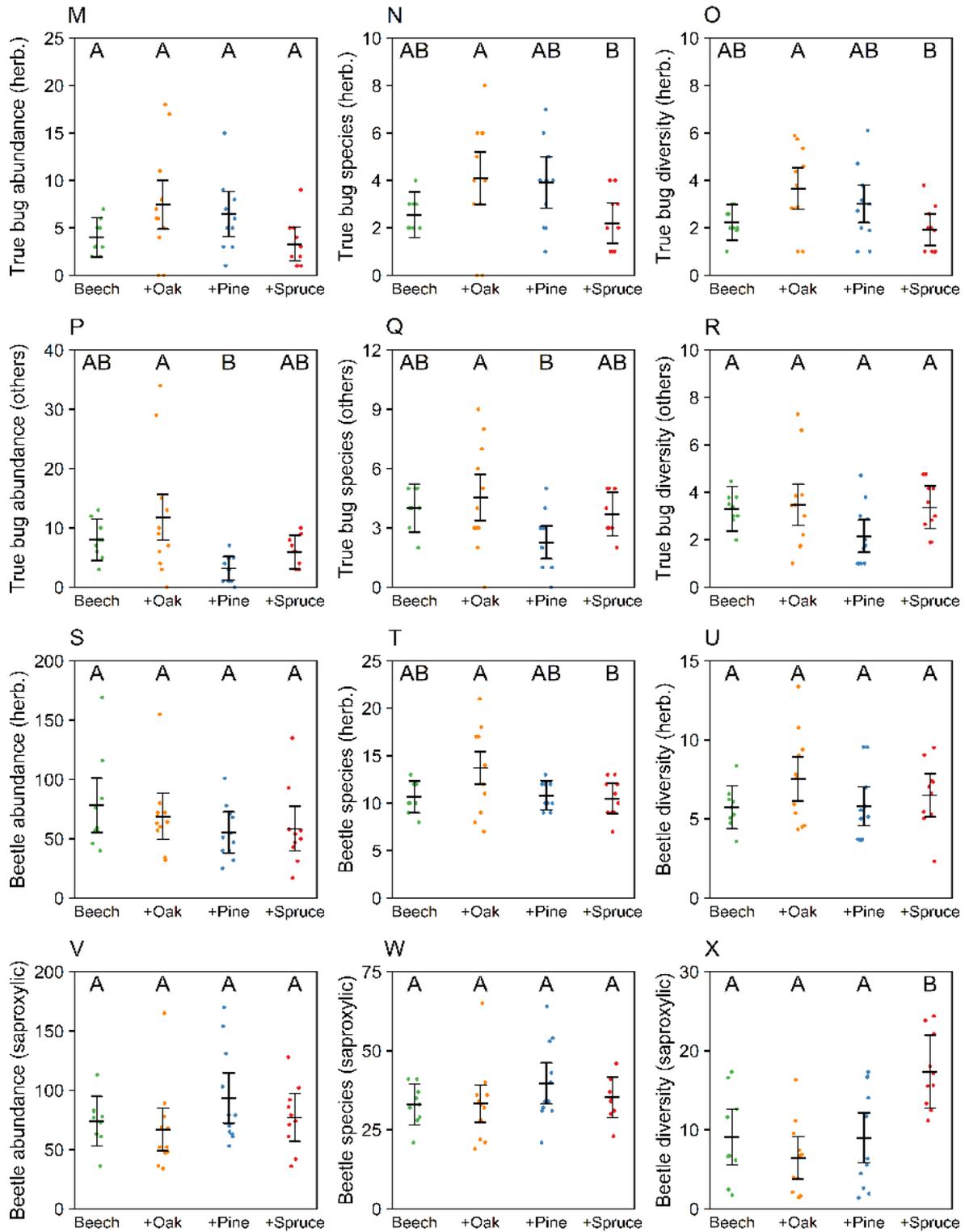
**Table S2:** F-values and p-values for linear regression models of forest type on stand parameters with all 41 research plots. Tukey post-hoc tests were calculated to estimate pairwise differences. Forest types separated by at least two ">" differ with  $p \leq 0.05$ .

Variable	GLM family	Forest type		Post-hoc test
		F-value	p-value	
Nr. of tree species	quasipoisson	$F_{3,37}=6.274$	<b>0.001</b>	Spruce > Pine > Oak > Beech
Basal area (m <sup>2</sup> )	Gamma (link=log)	$F_{3,37}=3.922$	<b>0.016</b>	Pine > Spruce, Beech > Oak
Deadwood (m <sup>3</sup> /ha)	quasipoisson	$F_{3,37}=2.306$	0.093	-
Light availability (ISF)	Gamma (link=log)	$F_{3,37}=3.661$	<b>0.021</b>	Spruce > Pine, Oak > Beech
Nr. of tree cavities	quasipoisson	$F_{3,37}=1.477$	0.237	-
Crown deadwood objects	quasipoisson	$F_{3,37}=8.220$	<b>&lt;0.001</b>	Pine > Oak > Beech > Spruce

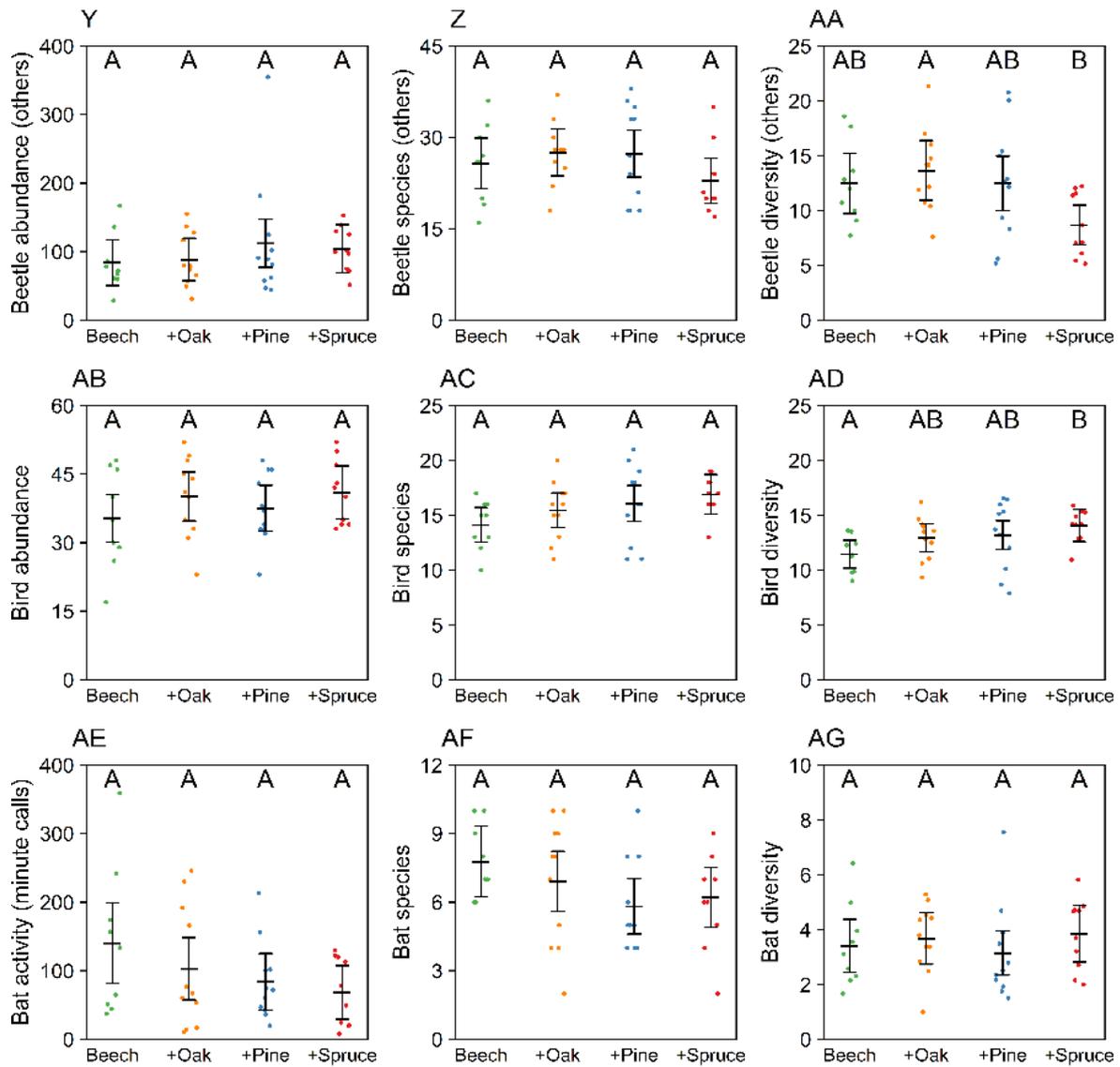
### 6.3 Abundance and alpha diversity



**Figure S3 (1/3):** Plot-level abundance and diversity estimates by forest type and species group based on generalized linear models specified in Table S3. Points show actual data points while bars show estimated means and 95 % confidence intervals based on back-transformed standard errors. Letters indicate significant differences between groups with  $p \leq 0.05$  after Tukey post-hoc tests. *X. germanus* excluded in calculation of saprophytic beetle abundance (Fig. S3-V).



**Figure S3 (2/3):** Plot-level abundance and diversity estimates by forest type and species group based on generalized linear models specified in Table S3. Points show actual data points while bars show estimated means and 95 % confidence intervals based on back-transformed standard errors. Letters indicate significant differences between groups with  $p \leq 0.05$  after Tukey post-hoc tests. *X. germanus* excluded in calculation of saproxylic beetle abundance (Fig. S3-V).

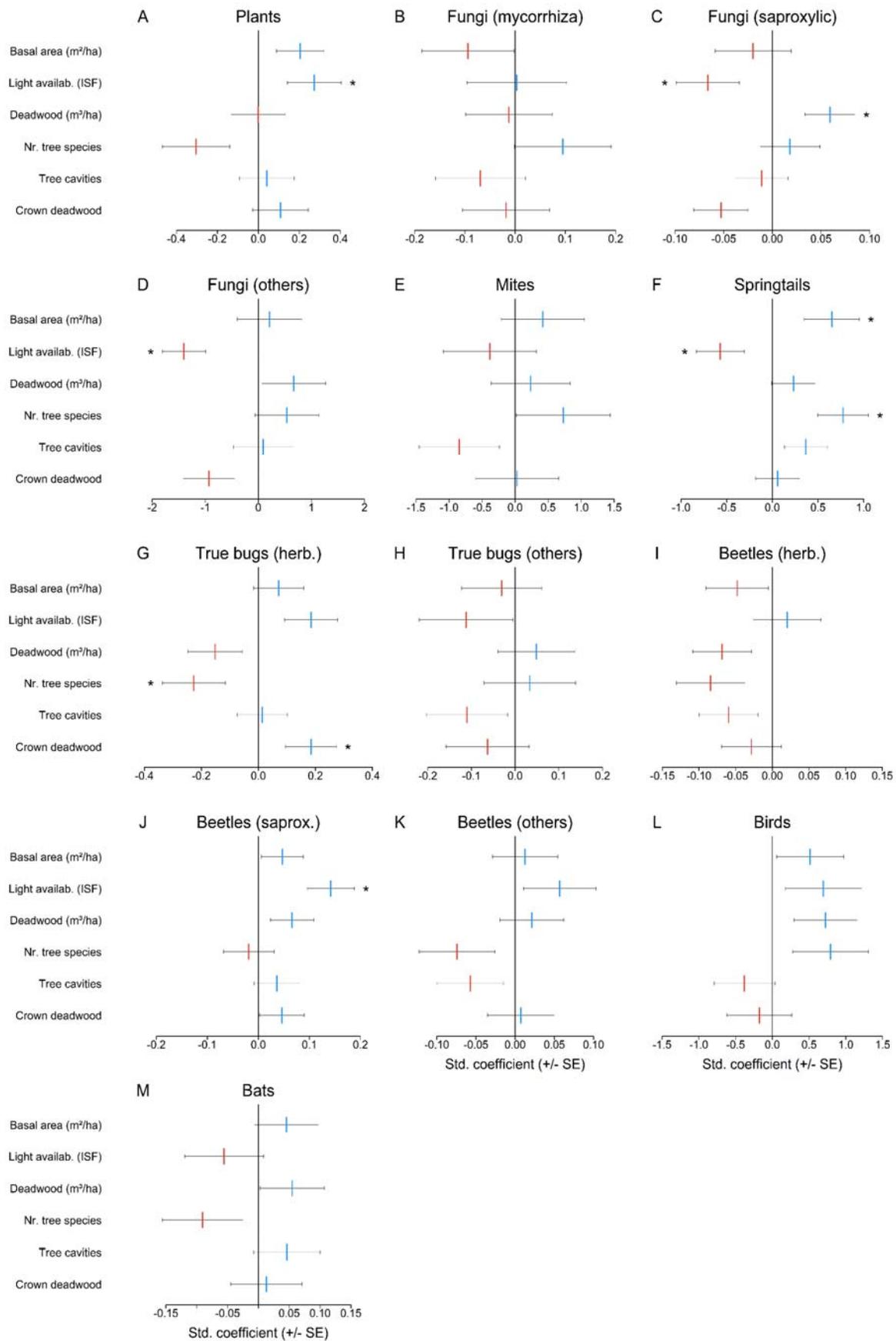


**Figure S3 (3/3):** Plot-level abundance and diversity estimates by forest type and species group based on generalized linear models specified in Table S3. Points show actual data points while bars show estimated means and 95 % confidence intervals based on back-transformed standard errors. Letters indicate significant differences between groups with  $p \leq 0.05$  after Tukey post-hoc tests. *X. germanus* excluded in calculation of saproxylic beetle abundance (Fig. S3-V).

**Table S3:** F-values and p-values for generalized linear regression models of forest type on abundance and diversity metrics of the surveyed species groups with all 41 research plots. Tukey post-hoc tests were calculated to estimate pairwise differences. Forest types separated by two ">" are significantly different ( $p \leq 0.05$ ).

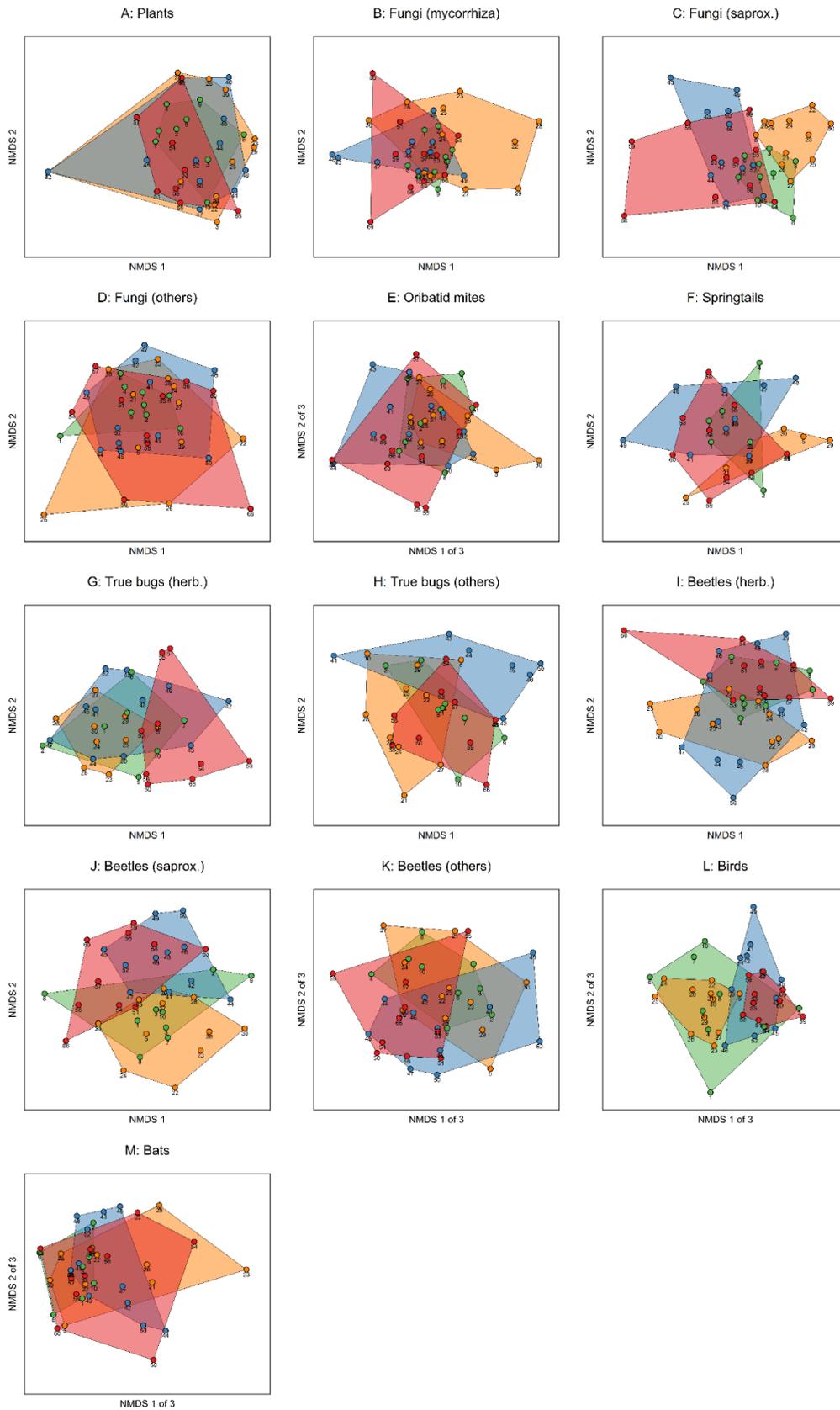
Variable		GLM family	Forest type		Post-hoc test
			F-value	p-value	
Plants	cover	quasipoisson	$F_{3,37}=0.248$	0.863	-
	species richness	quasipoisson	$F_{3,37}=0.661$	0.582	-
	exp(H)	Gamma (link=log)	$F_{3,37}=0.519$	0.672	-
Fungi (mykorrhiza)	species richness	quasipoisson	$F_{3,37}=1.534$	0.222	-
Fungi (saproxylic)	species richness	quasipoisson	$F_{3,37}=0.201$	0.895	-
Fungi (others)	species richness	Gamma (link=identity)	$F_{3,37}=0.840$	0.481	-
Mites <sup>+</sup>	abundance	quasipoisson	$F_{3,36}=1.714$	0.181	-
	species richness	Gamma (link=identity)	$F_{3,36}=1.264$	0.301	-
	exp(H)	Gamma (link=identity)	$F_{3,36}=0.813$	0.495	-
Springtails <sup>+</sup>	abundance	quasipoisson	$F_{3,33}=0.624$	0.605	-
	species richness	Gamma (link=identity)	$F_{3,32}=3.402$	<b>0.029</b>	Pine, Spruce > Beech > Oak
	exp(H)	Gamma (link=identity)	$F_{3,33}=0.655$	0.586	-
True bugs (herbivores)	abundance	quasipoisson	$F_{3,37}=3.016$	<b>0.042</b>	n.s.
	species richness	quasipoisson	$F_{3,37}=3.456$	<b>0.026</b>	Oak > Pine, Beech > Spruce
	exp(H)	quasipoisson	$F_{3,37}=3.956$	<b>0.015</b>	Oak > Pine, Beech > Spruce
True bugs (others)	abundance	quasipoisson	$F_{3,37}=5.711$	<b>0.003</b>	Oak > Beech, Spruce > Pine
	species richness	quasipoisson	$F_{3,37}=3.519$	<b>0.024</b>	Oak > Beech, Spruce > Pine
	exp(H)	quasipoisson	$F_{3,37}=2.316$	0.092	-
Beetles (herbivores)	abundance	quasipoisson	$F_{3,37}=1.020$	0.395	-
	species richness	quasipoisson	$F_{3,37}=3.423$	<b>0.027</b>	Oak > Pine, Beech > Spruce
	exp(H)	quasipoisson	$F_{3,37}=1.500$	0.231	-
Beetles (saproxylic)	abundance <sup>a</sup>	quasipoisson	$F_{3,37}=1.234$	0.310	-
	species richness	quasipoisson	$F_{3,37}=0.940$	0.431	-
	exp(H)	quasipoisson	$F_{3,37}=6.415$	<b>0.001</b>	Spruce >> Beech, Pine, Oak
Beetles (others)	abundance	quasipoisson	$F_{3,37}=0.592$	0.624	-
	species richness	quasipoisson	$F_{3,37}=1.203$	0.322	-
	exp(H)	Gamma (link=identity)	$F_{3,37}=3.455$	<b>0.026</b>	Oak > Pine, Beech > Spruce
Birds	abundance	Gamma (link=identity)	$F_{3,37}=0.845$	0.478	-
	species richness	Gamma (link=identity)	$F_{3,37}=1.863$	0.153	-
	exp(H)	Gamma (link=identity)	$F_{3,37}=2.369$	0.086	Spruce > Oak, Pine > Beech
Bats	activity	quasipoisson	$F_{3,37}=1.560$	0.216	-
	species richness	quasipoisson	$F_{3,37}=1.508$	0.229	-
	exp(H)	Gamma (link=log)	$F_{3,37}=0.450$	0.712	-
Multidiversity		Gamma (link=identity)	$F_{3,37}=0.040$	0.989	-

<sup>+</sup> For mites and springtails, the aggregated dry weight of all samples per plot was included as a covariate. <sup>a</sup> *X. germanus* excluded for computation of saproxylic beetle abundance.



**Figure S4:** Standardized coefficients and standard errors for generalized linear regression models on the species number of the surveyed taxa with all 41 research plots. \* mark coefficients that are significantly different from zero ( $p \leq 0.05$ ).

## 6.4 Gamma diversity and community composition



**Figure S5:** Research plots and ordination spaces on NMDS axes 1 and 2 based for presence/absence data by forest type (green: beech; orange: beech-oak; blue: beech-pine; red: beech-spruce). See Table S4 for PERMANOVA results.

**Table S4:** PERMANOVA results for the complete dataset (n = 41) and pairwise comparisons (n = 19–22) for differences in community composition between forest types. The table displays F-values and significance levels with adjusted p-values for pairwise comparisons.

	<b>Overall</b>	<b>Beech vs. +Oak</b>	<b>Beech vs. +Pine</b>	<b>Beech vs. +Spruce</b>	<b>+Oak vs. +Pine</b>	<b>+Oak vs. +Spruce</b>	<b>+Pine vs. +Spruce</b>
Plants	F <sub>3,35</sub> =1.05	F <sub>1,18</sub> =1.38	F <sub>1,18</sub> =1.38	F <sub>1,15</sub> =1.02	F <sub>1,20</sub> =0.68	F <sub>1,17</sub> =1.14	F <sub>1,17</sub> =0.77
Fungi (mycorrhiza)	<b>F<sub>3,37</sub>=1.71*</b>	F <sub>1,18</sub> =2.38	F <sub>1,18</sub> =1.01	F <sub>1,17</sub> =1.65	F <sub>1,20</sub> =1.74	F <sub>1,19</sub> =2.08	F <sub>1,19</sub> =1.22
Fungi (saproxyllic)	<b>F<sub>3,37</sub>=2.03***</b>	<b>F<sub>1,18</sub>=2.22**</b>	<b>F<sub>1,18</sub>=1.55*</b>	<b>F<sub>1,17</sub>=1.85**</b>	<b>F<sub>1,20</sub>=2.73**</b>	<b>F<sub>1,19</sub>=2.77**</b>	F <sub>1,19</sub> =1.07
Fungi (others)	F <sub>3,37</sub> =1.44	F <sub>1,18</sub> =1.70	F <sub>1,18</sub> =1.58	F <sub>1,17</sub> =1.86	F <sub>1,20</sub> =1.23	F <sub>1,19</sub> =1.42	F <sub>1,19</sub> =1.04
Oribatid mites	F <sub>3,37</sub> =1.05	F <sub>1,18</sub> =0.97	F <sub>1,18</sub> =0.83	F <sub>1,17</sub> =1.87	F <sub>1,20</sub> =0.70	F <sub>1,19</sub> =1.15	F <sub>1,19</sub> =0.91
Springtails	F <sub>3,34</sub> =1.66	F <sub>1,15</sub> =0.86	F <sub>1,16</sub> =0.36	F <sub>1,15</sub> =0.27	<b>F<sub>1,19</sub>=8.04**</b>	F <sub>1,18</sub> =3.01	F <sub>1,19</sub> =1.17
True bugs (herb.)	<b>F<sub>3,34</sub>=2.01*</b>	F <sub>1,16</sub> =1.09	F <sub>1,18</sub> =0.94	F <sub>1,16</sub> =1.29	F <sub>1,18</sub> =2.22	<b>F<sub>1,16</sub>=3.03*</b>	<b>F<sub>1,18</sub>=3.42*</b>
True bugs (others)	<b>F<sub>3,35</sub>=3.16***</b>	F <sub>1,17</sub> =0.94	<b>F<sub>1,17</sub>=3.05*</b>	F <sub>1,17</sub> =1.42	<b>F<sub>1,18</sub>=5.46**</b>	F <sub>1,18</sub> =2.48	<b>F<sub>1,18</sub>=4.29*</b>
Beetles (herbivores)	<b>F<sub>3,37</sub>=2.29***</b>	<b>F<sub>1,18</sub>=2.22*</b>	<b>F<sub>1,18</sub>=1.83*</b>	<b>F<sub>1,17</sub>=2.27*</b>	<b>F<sub>1,20</sub>=1.75*</b>	<b>F<sub>1,19</sub>=3.51**</b>	<b>F<sub>1,19</sub>=2.28*</b>
Beetles (saprox.)	<b>F<sub>3,37</sub>=1.68***</b>	F <sub>1,18</sub> =1.32	<b>F<sub>1,18</sub>=1.96**</b>	<b>F<sub>1,17</sub>=1.99**</b>	<b>F<sub>1,20</sub>=1.86*</b>	<b>F<sub>1,19</sub>=1.72*</b>	F <sub>1,19</sub> =1.23
Beetles (others)	<b>F<sub>3,37</sub>=1.65**</b>	F <sub>1,18</sub> =1.38 <sup>+</sup>	F <sub>1,18</sub> =1.60	<b>F<sub>1,17</sub>=2.15*</b>	<b>F<sub>1,20</sub>=1.62*</b>	<b>F<sub>1,19</sub>=2.16**</b>	F <sub>1,19</sub> =1.09
Birds	<b>F<sub>3,37</sub>=3.01***</b>	F <sub>1,18</sub> =0.99	F <sub>1,18</sub> =1.54	<b>F<sub>1,17</sub>=2.95*</b>	<b>F<sub>1,20</sub>=5.12**</b>	<b>F<sub>1,19</sub>=6.71**</b>	F <sub>1,19</sub> =1.82
Bats	F <sub>3,37</sub> =1.17	F <sub>1,18</sub> =1.59	F <sub>1,18</sub> =1.33	F <sub>1,17</sub> =1.64	F <sub>1,20</sub> =0.76	F <sub>1,19</sub> =0.72	F <sub>1,19</sub> =1.35

\*\*\* p ≤ 0.001; \*\* 0.001 < p ≤ 0.01; \* 0.01 < p ≤ 0.05

**Table S5:** Species significantly associated with pure beech stands, stands with admixed oak, pine, or spruce, or deciduous (beech and mixed beech-oak stands) or mixed broadleaved and coniferous (beech-pine and beech-spruce) stands.

	<b>Beech</b>	<b>+Oak</b>	<b>+Pine</b>	<b>+Spruce</b>	<b>Broadleaved stands</b>	<b>Mixed stands</b>
<b>Plants</b>		<i>Impatiens parviflora</i>		<i>Carex pallescens</i>		
<b>Fungi (mycorrhiza)</b>		<i>Scleroderma areolatum</i> <i>Scleroderma citrinum</i>		<i>Lactarius tabidus</i> <i>Xerocomellus chrysenteron</i>		
<b>Fungi (saproxylic)</b>	<i>Pleurotus ostreatus</i> <i>Cylindrobasidium laeve</i> <i>Trechispora cohaerens</i>	<i>Hymenochaete rubiginosa</i> <i>Eriopezia caesia</i> <i>Dasyscyphella nivea</i> <i>Diatrypella quercina</i> <i>Daedalea quercina</i> <i>Colpoma quercinum</i>	<i>Dacrymyces stillatus</i> <i>Cinereomyces lindbladii</i>	<i>Postia caesia</i> <i>Exidia pithya</i>	<i>Stereum hirsutum</i> <i>Vuilleminia comedens</i> <i>Mollisia olivaceocinerea</i> <i>Byssocorticium atrovirens</i> <i>Panellus stipticus</i> <i>Mycena crocata</i> <i>Phanerochaete livescens</i>	<i>Diatrype decorticata</i> <i>Trichaptum abietinum</i> <i>Antrodia serialis</i> <i>Fomitopsis pinicola</i> <i>Resinicium bicolor</i> <i>Hyaloscypha aureliella</i> <i>Amphinema byssoides</i>
<b>Fungi (others)</b>	<i>Clitocybe gibba</i> <i>Mutinus caninus</i>			<i>Phragmotrichum chailletii</i> <i>Mycena metata</i>	<i>Mycena rosea</i> <i>Macrotyphula fistulosa</i>	
<b>Collembola</b>						<i>Parisotoma notabilis</i> <i>Isotomiella minor</i>
<b>Oribatid mites</b>	<i>Oppiella M. translamellata</i>			<i>Nanhermannia</i> spp. <i>Rhyotritia duplicata</i>	<i>Dissorhina ornata</i>	<i>Adoristes ovatus</i> <i>Hermannia gibba</i>
<b>True bugs (herbivores)</b>		<i>Kleidocerys resedae</i> <i>Psallus mollis</i>	<i>Phoenicocoris modestus</i>			
<b>True bugs (others)</b>	<i>Orius minutus</i>	<i>Harpocera thoracica</i>		<i>Atractotomus magnicornis</i>	<i>Deraeocoris lutescens</i> <i>Loricula elegantula</i>	
<b>Beetles (herbivores)</b>	<i>Strophosoma capitatum</i> <i>Phyllotreta vittula</i>	<i>Curculio glandium</i> <i>Lasiornhynchites olivaceus</i> <i>Curculio venosus</i>	<i>Anthonomus phyllocola</i>	<i>Polydrusus impar</i>	<i>Meligethes aeneus</i>	
<b>Beetles (saproxylic)</b>	<i>Triplax rufipes</i> <sup>NT</sup> <i>Rhagium mordax</i> <i>Mycetophagus atomarius</i> <i>Abraeus perpusillus</i> <i>Hylastes opacus</i>		<i>Cryptophagus dorsalis</i> <i>Oxymirus cursor</i> <i>Orthocis alni</i> <i>Thanasimus formicarius</i>	<i>Ampedus erythrogonus</i> <sup>VU</sup> <i>Micrambe abietis</i> <i>Orthoperus nigrescens</i> <i>Dryocoetes autographus</i>	<i>Vincenzellus ruficollis</i> <i>Rhizophagus bipustulatus</i> <i>Platycerus caraboides</i> <i>Xyloterus domesticus</i> <i>Salpingus planirostris</i> <i>Anaglyptus mysticus</i>	<i>Aplocnemus nigricornis</i> <i>Hylastes cunicularius</i> <i>Pityophthorus pityographus</i> <i>Atomaria ornata</i>
<b>Beetles (others)</b>	<i>Acrotrichis intermedia</i> <i>Bembidion deletum</i> <i>Amischa decipiens</i> <i>Halysia sedecimguttata</i> <i>Harmonia axyridis</i> <i>Neuraphes rubicundus</i> <i>Zoosetha inconspicua</i> <sup>R</sup>	<i>Ptinus subpilosus</i> <i>Trechus quadristriatus</i> <i>Coccinula quatuordecimpunctata</i>	<i>Absidia rufotestacea</i>	<i>Orthoperus</i> spp. <i>Brachytarsus nebulosus</i>	<i>Eपुरaea melanocephala</i> <i>Xylodrepa quadripunctata</i> <i>Bythinus burrelli</i>	<i>Trixagus meyhohmi</i> <i>Trixagus dermestoides</i>
<b>Birds</b>		<i>Sturnus vulgaris</i>			<i>Cyanistes caeruleus</i>	<i>Peripatus ater</i> <i>Regulus ignicapilla</i> <i>Lophophanes cristatus</i> <i>Phylloscopus collybita</i>
<b>Bats</b>					<i>Myotis myotis</i>	

<sup>VU</sup> vulnerable; <sup>NT</sup> near threatened; <sup>R</sup> restricted distribution

## 6.5 Species inventory

The following tables contain all species or higher-order taxonomic units recorded on the research plots. The species are ordered alphabetically within the taxonomic groups used in the analyses. Column "Sum" indicates the total number of research plot the species/taxonomic unit was recorded on (max. 41). The columns "Beech", "+Oak", "+Pine" and "+Spruce" indicate the number of research plots of the respective forest type that the species was recorded on.

### *Plants*

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Abies alba</i>	1	0	1	0	0
<i>Acer pseudoplatanus</i>	2	0	2	0	0
<i>Agrostis stolonifera</i>	1	0	0	0	1
<i>Ajuga reptans</i>	2	0	1	0	1
<i>Alliaria petiolata</i>	4	0	3	0	1
<i>Anemone nemorosa</i>	3	1	2	0	0
<i>Athyrium filix-femina</i>	1	0	1	0	0
<i>Avenella flexuosa</i>	2	0	0	1	1
<i>Brachypodium pinnatum</i>	1	0	0	1	0
<i>Brachypodium sylvaticum</i>	2	0	0	0	2
<i>Cardamine flexuosa</i>	1	0	0	0	1
<i>Carex brizoides</i>	11	1	2	4	4
<i>Carex caryophyllea</i>	1	0	0	1	0
<i>Carex flacca</i>	1	0	1	0	0
<i>Carex guestphalica</i>	3	0	1	2	0
<i>Carex montana</i>	2	0	0	2	0
<i>Carex pallescens</i>	8	0	1	3	4
<i>Carex pilulifera</i>	13	3	2	5	3
<i>Carex remota</i>	20	4	7	6	3
<i>Carex sylvatica</i>	16	3	4	6	3
<i>Carpinus betulus</i>	3	0	0	2	1
<i>Circea lutetiana</i>	5	0	2	2	1
<i>Dryopteris carthusiana</i>	7	2	1	2	2
<i>Dryopteris dilatata</i>	1	0	1	0	0
<i>Dryopteris filix-mas</i>	15	4	5	1	5
<i>Equisetum sylvaticum</i>	1	0	0	0	1
<i>Fagus sylvatica</i>	37	9	10	10	8
<i>Festuca altissima</i>	10	3	4	2	1

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Festuca filiformis</i>	1	0	0	1	0
<i>Festuca gigantea</i>	1	0	1	0	0
<i>Fragaria vesca</i>	1	0	0	1	0
<i>Fraxinus excelsior</i>	2	0	1	0	1
<i>Galeopsis tetrahit</i>	1	0	1	0	0
<i>Galium aparine</i>	3	0	1	1	1
<i>Galium odoratum</i>	3	1	2	0	0
<i>Gymnocarpium dryopteris</i>	1	0	1	0	0
<i>Hypericum pulchrum</i>	1	0	0	1	0
<i>Impatiens glandulifera</i>	1	0	0	0	1
<i>Impatiens noli-tangere</i>	5	1	2	1	1
<i>Impatiens parviflora</i>	9	1	5	2	1
<i>Juncus effusus</i>	14	1	4	6	3
<i>Larix decidua</i>	1	0	0	1	0
<i>Luzula luzuloides</i>	19	5	4	5	5
<i>Melica uniflora</i>	4	2	1	1	0
<i>Moehringia trinervia</i>	8	1	3	2	2
<i>Molinia cearulea</i>	1	0	0	1	0
<i>Oxalis acetosella</i>	12	3	2	2	5
<i>Picea abies</i>	10	0	3	3	4
<i>Pinus sylvestris</i>	1	0	0	1	0
<i>Poa nemoralis</i>	8	1	3	2	2
<i>Poa trivialis</i>	2	0	0	1	1
<i>Prunus spec.</i>	1	1	0	0	0
<i>Quercus petraea</i>	10	1	5	3	1
<i>Rubus caesius</i>	1	0	0	1	0
<i>Rubus fruticosus aggr.</i>	7	1	2	1	3
<i>Rubus idaeus</i>	11	0	4	5	2
<i>Rumex conglomeratus</i>	1	0	0	1	0
<i>Sambucus nigra</i>	1	0	1	0	0
<i>Sambucus racemosa</i>	1	0	0	0	1
<i>Scrophularia nodosa</i>	1	0	0	1	0
<i>Sorbus aucuparia</i>	4	1	1	1	1
<i>Stachys sylvatica</i>	3	0	3	0	0
<i>Urtica dioica</i>	9	1	4	2	2
<i>Vaccinium myrtillus</i>	2	0	1	1	0
<i>Veronica chamaedrys</i>	1	0	0	0	1
<i>Veronica montana</i>	1	0	0	0	1
<i>Vinca minor</i>	1	1	0	0	0
<i>Viola spec.</i>	2	0	0	1	1

*Fungi (mycorrhiza)*

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Amanita citrina</i>	11	5	1	3	2
<i>Amanita excelsa</i>	3	0	0	1	2
<i>Amanita fulva</i>	1	0	0	0	1
<i>Amanita gemmata</i>	2	1	0	0	1
<i>Amanita rubescens</i>	2	0	1	0	1
<i>Boletus aereus</i>	1	0	0	0	1
<i>Boletus edulis</i>	1	0	0	0	1
<i>Cantharellus cibarius</i>	2	0	0	0	2
<i>Cantharellus friesii</i>	1	1	0	0	0
<i>Cortinarius alboviolaceus</i>	1	0	0	0	1
<i>Cortinarius anomalus</i>	1	1	0	0	0
<i>Cortinarius bolaris</i>	11	3	2	3	3
<i>Cortinarius caperatus</i>	3	0	2	1	0
<i>Cortinarius casimiri</i>	2	0	2	0	0
<i>Cortinarius cinnamomeus</i>	2	0	0	1	1
<i>Cortinarius delibutus</i>	1	0	0	0	1
<i>Cortinarius malicorius</i>	1	0	0	0	1
<i>Cortinarius phoeniceus</i>	1	0	0	0	1
<i>Cortinarius semisanguineus</i>	1	0	0	1	0
<i>Cortinarius spec.</i>	1	0	0	1	0
<i>Cortinarius vibratilis</i>	1	0	0	0	1
<i>Cortinarius violaceus</i>	2	1	0	0	1
<i>Craterellus cornucopioides</i>	2	1	1	0	0
<i>Craterellus tubaeformis</i>	8	3	3	1	1
<i>Genea hispidula</i>	1	0	0	0	1
<i>Gomphidius glutinosus</i>	1	0	0	0	1
<i>Hydnum ellipsosporum</i>	5	3	0	2	0
<i>Hydnum repandum</i>	1	1	0	0	0
<i>Hydnum rufescens</i>	7	3	1	2	1
<i>Hygrophorus penarius</i>	3	2	0	1	0
<i>Imleria badia</i>	2	0	0	1	1
<i>Inocybe napipes</i>	5	1	2	1	1
<i>Inocybe petiginosa</i>	4	1	1	1	1
<i>Inocybe phaeoleuca</i>	1	1	0	0	0
<i>Inocybe rimosa</i>	1	0	1	0	0
<i>Laccaria amethystina</i>	34	9	7	10	8
<i>Laccaria laccata</i>	25	7	5	7	6
<i>Lactarius blennius</i>	7	2	2	0	3
<i>Lactarius chrysorrheus</i>	1	0	1	0	0
<i>Lactarius subdulcis</i>	24	8	6	5	5
<i>Lactarius tabidus</i>	5	0	1	0	4
<i>Lactarius turpis</i>	1	0	0	0	1

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Piloderma bicolor</i>	5	2	1	2	0
<i>Pseudocraterellus undulatus</i>	1	0	1	0	0
<i>Russula acrifolia</i>	1	0	0	0	1
<i>Russula aeruginea</i>	1	0	0	1	0
<i>Russula atropurpurea</i>	1	1	0	0	0
<i>Russula aurora</i>	1	0	0	0	1
<i>Russula cyanoxantha</i>	11	0	4	3	4
<i>Russula delica</i>	1	0	1	0	0
<i>Russula fellea</i>	4	2	1	0	1
<i>Russula foetens</i>	1	0	0	0	1
<i>Russula metachroa</i>	1	1	0	0	0
<i>Russula nauseosa</i>	1	0	0	0	1
<i>Russula nigricans</i>	8	2	2	1	3
<i>Russula nobilis</i>	13	3	3	4	3
<i>Russula ochroleuca</i>	32	9	5	8	10
<i>Russula queletii</i>	1	0	0	1	0
<i>Russula rosea</i>	1	0	1	0	0
<i>Russula vesca</i>	2	0	1	1	0
<i>Scleroderma areolatum</i>	6	0	6	0	0
<i>Scleroderma citrinum</i>	5	0	4	1	0
<i>Strobilomyces strobilaceus</i>	8	4	1	2	1
<i>Suillus cavipes</i>	1	0	1	0	0
<i>Thelephora terrestris</i>	21	5	5	6	5
<i>Tomentella badia</i>	1	0	0	0	1
<i>Tomentella fibrosa</i>	2	0	1	1	0
<i>Tomentella punicea</i>	1	0	1	0	0
<i>Tomentella spec.</i>	1	1	0	0	0
<i>Tomentella subilacina</i>	8	4	2	1	1
<i>Tomentella terrestris</i>	1	0	0	0	1
<i>Tricholoma filamentosum</i>	1	0	1	0	0
<i>Tricholoma lascivum</i>	1	0	1	0	0
<i>Tricholoma saponaceum</i>	1	0	0	0	1
<i>Tricholoma sulphureum</i>	2	1	0	0	1
<i>Tricholoma ustale</i>	3	1	0	0	2
<i>Tylopilus felleus</i>	3	0	0	1	2
<i>Xerocomellus chrysenteron</i>	8	2	1	0	5
<i>Xerocomus ferrugineus</i>	1	0	0	1	0

*Fungi (saproxylic)*

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Aleurodiscus disciforme</i>	1	0	1	0	0
<i>Amphinema byssoides</i>	6	0	0	2	4
<i>Annulohypoxylon cohaerens</i>	39	9	11	10	9
<i>Annulohypoxylon multiforme</i>	3	2	0	0	1
<i>Anthostoma turgidum</i>	1	1	0	0	0
<i>Antrodia serialis</i>	10	0	1	4	5
<i>Antrodia sinuosa</i>	1	0	0	0	1
<i>Antrodiella faginea</i>	2	0	2	0	0
<i>Antrodiella serpula</i>	1	0	1	0	0
<i>Arachnocrea stipata</i>	1	0	0	1	0
<i>Armillaria spec.</i>	12	4	5	1	2
<i>Ascocoryne cylichnium</i>	6	1	2	2	1
<i>Ascocoryne sarcoides</i>	11	4	2	2	3
<i>Ascocoryne solitaria</i>	2	0	1	0	1
<i>Ascodichaena rugosa</i>	40	9	11	11	9
<i>Ascotremella faginea</i>	1	0	0	1	0
<i>Athelia arachnoidea</i>	1	0	0	1	0
<i>Athelia decipiens</i>	2	0	0	1	1
<i>Athelia epiphylla</i>	17	3	4	4	6
<i>Athelia spec.</i>	3	0	1	0	2
<i>Atheliachaete sanguinea</i>	1	0	1	0	0
<i>Athelopsis fusioidea</i>	1	1	0	0	0
<i>Athelopsis subinconspicua</i>	1	0	0	1	0
<i>Auricularia mesenterica</i>	1	1	0	0	0
<i>Bertia latispora</i>	4	0	0	1	3
<i>Bertia moriformis</i>	20	6	3	6	5
<i>Biscogniauxia nummularia</i>	11	2	4	2	3
<i>Bispora antennata</i>	32	8	10	6	8
<i>Bisporella citrina</i>	23	5	7	5	6
<i>Bisporella pallescens</i>	7	0	3	3	1
<i>Bisporella subpallida</i>	3	1	1	0	1
<i>Bjerkandera adusta</i>	17	6	3	5	3
<i>Bjerkandera fumosa</i>	1	1	0	0	0
<i>Botryobasidium aureum</i>	9	2	2	1	4
<i>Botryobasidium conspersum</i>	3	1	0	1	1
<i>Botryobasidium elliposporum</i>	2	0	1	1	0
<i>Botryobasidium laeve</i>	4	2	1	0	1
<i>Botryobasidium medium</i>	1	0	1	0	0
<i>Botryobasidium obtusisporum</i>	1	0	0	1	0
<i>Botryobasidium spec.</i>	4	1	1	0	2
<i>Botryobasidium subcoronatum</i>	21	4	4	5	8
<i>Botryobasidium vagum</i>	12	3	4	2	3

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Botryohypochnus isabellinus</i>	11	2	3	5	1
<i>Brevicellicium olivascens</i>	1	0	0	1	0
<i>Byssocorticium atrovirens</i>	22	7	7	4	4
<i>Calocera cornea</i>	14	3	5	2	4
<i>Calocera furcata</i>	2	0	1	0	1
<i>Calocera viscosa</i>	10	1	1	3	5
<i>Camarops lutea</i>	1	0	1	0	0
<i>Ceraceomyces serpens</i>	2	1	1	0	0
<i>Ceraceomyces tessulatus</i>	1	0	1	0	0
<i>Cerioporus leptocephalus</i>	5	3	0	2	0
<i>Cerioporus mollis</i>	2	0	0	2	0
<i>Cerioporus varius</i>	9	1	4	3	1
<i>Ceriporia viridans</i>	2	1	0	1	0
<i>Ceriporiopsis consobrina</i>	1	0	1	0	0
<i>Ceriporiopsis gilvescens</i>	2	1	1	0	0
<i>Cinereomyces lindbladii</i>	3	0	0	3	0
<i>Clitopilus hobsonii</i>	8	1	3	3	1
<i>Colpoma quercinum</i>	5	0	5	0	0
<i>Coniophora arida</i>	1	0	0	0	1
<i>Coniophora puteana</i>	1	1	0	0	0
<i>Coprinellus micaceus</i>	4	0	2	2	0
<i>Crepidotus cesatii</i>	3	0	2	0	1
<i>Crepidotus epibryus</i>	1	0	1	0	0
<i>Cristinia helvetica</i>	1	0	1	0	0
<i>Cristinia rhenana</i>	1	0	1	0	0
<i>Cudoniella acicularis</i>	1	0	1	0	0
<i>Cyathus striatus</i>	2	0	1	1	0
<i>Cylindrobasidium evolvens</i>	3	1	0	1	1
<i>Cylindrobasidium laeve</i>	6	4	0	2	0
<i>Cyphellopsis anomala</i>	2	0	1	0	1
<i>Dacrymyces capitatus</i>	6	1	1	2	2
<i>Dacrymyces stillatus</i>	10	1	2	6	1
<i>Dacrymyces tortus</i>	1	1	0	0	0
<i>Dacryobolus karstenii</i>	2	0	0	1	1
<i>Dacryobolus sudans</i>	1	0	0	1	0
<i>Daedalea quercina</i>	6	0	6	0	0
<i>Daedaleopsis tricolor</i>	1	0	0	0	1
<i>Dasyscyphella nivea</i>	8	0	7	0	1
<i>Dialonectria episphaeria</i>	6	2	2	2	0
<i>Diatrype bullata</i>	1	0	0	0	1
<i>Diatrype decorticata</i>	37	7	9	11	10
<i>Diatrype disciformis</i>	21	4	3	8	6
<i>Diatrype stigma</i>	4	1	3	0	0
<i>Diatrypella favacea</i>	5	1	2	1	1

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Diatrypella quercina</i>	8	0	7	0	1
<i>Diatrypella verruciformis</i>	10	3	1	1	5
<i>Echinosphaeria strigosa</i>	1	0	0	1	0
<i>Elaphomyces granulatus</i>	1	0	0	0	1
<i>Eriopezia caesia</i>	7	0	7	0	0
<i>Eutypa flavovirens</i>	1	0	0	1	0
<i>Eutypa spinosa</i>	21	5	5	5	6
<i>Eutypella quaternata</i>	11	3	2	4	2
<i>Exidia glandulosa</i>	2	0	2	0	0
<i>Exidia nigricans</i>	11	5	2	3	1
<i>Exidia pithya</i>	5	0	0	1	4
<i>Exidiopsis effusa</i>	6	3	0	1	2
<i>Fibulomyces mutabilis</i>	5	2	1	1	1
<i>Flammulaster muricatus</i>	2	1	1	0	0
<i>Fomes fomentarius</i>	23	7	5	6	5
<i>Fomitopsis pinicola</i>	15	1	3	6	5
<i>Fuscoportia ferruginosa</i>	8	3	2	3	0
<i>Galerina marginata</i>	7	1	4	0	2
<i>Galerina triscopa</i>	3	0	0	1	2
<i>Galerina vittiformis</i>	1	0	0	0	1
<i>Ganoderma applanatum</i>	15	4	2	7	2
<i>Gloeophyllum abietinum</i>	1	0	0	1	0
<i>Gloeophyllum odoratum</i>	4	0	0	1	3
<i>Gloeophyllum sepiarium</i>	4	0	0	1	3
<i>Gloeophyllum trabeum</i>	1	0	0	1	0
<i>Gloeothele citrina</i>	1	0	1	0	0
<i>Gymnopilus confuluens</i>	1	1	0	0	0
<i>Gymnopilus penetrans</i>	2	1	0	1	0
<i>Gymnopus fusipes</i>	1	0	0	0	1
<i>Hapalopilus rutilans</i>	3	1	1	0	1
<i>Helvella macropus</i>	1	0	1	0	0
<i>Hericium cirrhatum</i>	1	0	0	1	0
<i>Heterobasidion annosum</i>	7	1	0	4	2
<i>Heterobasidion parviporum</i>	2	0	0	0	2
<i>Hyalorbilia inflatula</i>	6	3	0	1	2
<i>Hyaloscypha aureliella</i>	7	0	0	4	3
<i>Hyaloscypha spiralis</i>	2	0	0	1	1
<i>Hydropus subalpinus</i>	1	1	0	0	0
<i>Hygrophoropsis aurantiaca</i>	1	0	0	0	1
<i>Hymenochaete rubiginosa</i>	10	0	9	0	1
<i>Hymenopellis radicata</i>	3	0	1	1	1
<i>Hymenoscyphus conscriptus</i>	1	0	1	0	0
<i>Hyphoderma roseocremeum</i>	1	1	0	0	0
<i>Hyphoderma setigerum</i>	11	4	4	2	1

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Hyphoderma tibia</i>	1	1	0	0	0
<i>Hyphodiscus hemiamyloideus</i>	1	0	1	0	0
<i>Hyphodontia alutaria</i>	3	1	0	1	1
<i>Hyphodontia arguta</i>	5	0	0	2	3
<i>Hyphodontia barba-jovis</i>	1	1	0	0	0
<i>Hyphodontia pallidula</i>	9	2	0	5	2
<i>Hypholoma fasciculare</i>	18	4	4	4	6
<i>Hypholoma lateritium</i>	6	0	4	1	1
<i>Hypochnicium erikssonii</i>	1	0	0	0	1
<i>Hypochnicium geogenium</i>	2	0	0	1	1
<i>Hypochnicium punctulatum</i>	4	2	1	1	0
<i>Hypochnicium subrigescens</i>	1	0	1	0	0
<i>Hypocrea gelatinosa</i>	1	0	0	1	0
<i>Hypomyces aurantius</i>	1	0	0	0	1
<i>Hypomyces rosellus</i>	1	1	0	0	0
<i>Hypoxyton fragiforme</i>	35	8	7	11	9
<i>Hypoxyton macrocarpum</i>	10	2	2	3	3
<i>Hypoxyton perforatum</i>	1	0	0	1	0
<i>Hypoxyton rubiginosum</i>	39	9	11	10	9
<i>Inonotus nodulosus</i>	1	0	1	0	0
<i>Ischnoderma benzoinum</i>	2	1	0	0	1
<i>Ischnoderma resinatum</i>	1	0	0	1	0
<i>Junghuhnia lacera</i>	1	1	0	0	0
<i>Junghuhnia nitida</i>	9	3	1	0	5
<i>Kneiffiella abieticola</i>	1	0	0	0	1
<i>Kneiffiella alienata</i>	1	0	0	0	1
<i>Kneiffiella subalutacea</i>	2	0	0	0	2
<i>Kretzschmaria deusta</i>	36	9	10	10	7
<i>Kuehneromyces mutabilis</i>	9	2	1	3	3
<i>Kurtia argillacea</i>	3	1	0	1	1
<i>Lachnum brevipilosum</i>	1	1	0	0	0
<i>Lachnum impudicum</i>	5	2	1	1	1
<i>Lasiosphaeria ovina</i>	2	1	0	1	0
<i>Laxitextum bicolor</i>	9	3	2	2	2
<i>Lentinus substrictus</i>	2	0	2	0	0
<i>Lenzites betulina</i>	1	0	0	1	0
<i>Leptosporomyces roseus</i>	7	2	2	2	1
<i>Lopadostoma turgidum</i>	1	0	0	0	1
<i>Lycoperdon pyriforme</i>	2	0	0	0	2
<i>Lyomyces crustosus</i>	1	0	0	1	0
<i>Marasmiellus ramealis</i>	4	1	1	0	2
<i>Megacollybia platyphylla</i>	20	8	2	5	5
<i>Melanomma pulvis-pyrius</i>	2	1	0	1	0
<i>Melogramma spiniferum</i>	4	0	1	2	1

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Mensularia nodulosa</i>	3	1	1	0	1
<i>Meripilus giganteus</i>	3	1	1	0	1
<i>Merismodes anomala</i>	1	0	0	1	0
<i>Meruliopsis albostraminea</i>	1	0	0	1	0
<i>Meruliopsis taxicola</i>	2	0	1	1	0
<i>Mollisia lividofusca</i>	2	0	1	1	0
<i>Mollisia olivaceocinerea</i>	24	7	8	5	4
<i>Mucronella calva</i>	7	1	0	4	2
<i>Mutatoderma mutatum</i>	1	1	0	0	0
<i>Mycena amicta</i>	2	0	0	1	1
<i>Mycena crocata</i>	11	3	6	2	0
<i>Mycena erubescens</i>	1	1	0	0	0
<i>Mycena galericulata</i>	3	0	3	0	0
<i>Mycena haematopus</i>	9	3	2	2	2
<i>Mycena inclinata</i>	1	0	1	0	0
<i>Mycena leptocephala</i>	1	0	0	0	1
<i>Mycena polygramma</i>	2	0	2	0	0
<i>Mycena purpureofusca</i>	2	1	0	0	1
<i>Mycena rubromarginata</i>	2	0	0	1	1
<i>Mycena speirea</i>	2	1	0	1	0
<i>Mycena tintinnabulum</i>	1	0	1	0	0
<i>Mycena vitilis</i>	13	3	3	5	2
<i>Mycetinis alliaceus</i>	7	2	3	1	1
<i>Mycoacia nothofagi</i>	2	0	1	0	1
<i>Mycoacia uda</i>	1	0	0	0	1
<i>Nectria cinnabarina</i>	2	0	1	1	0
<i>Nectriopsis aureonitens</i>	1	0	0	0	1
<i>Nemania confluens</i>	1	0	0	1	0
<i>Nemania serpens</i>	15	2	6	5	2
<i>Neobulgaria pura</i>	1	0	0	1	0
<i>Neodasyscypha cerina</i>	8	3	2	3	0
<i>Neonectria coccinea</i>	2	1	0	1	0
<i>Ombrophila pura</i>	1	0	0	1	0
<i>Orbilina delicatula</i>	24	6	9	4	5
<i>Panellus mitis</i>	2	0	1	1	0
<i>Panellus serotinus</i>	3	0	2	0	1
<i>Panellus stipticus</i>	10	4	5	0	1
<i>Panus conchatus</i>	1	1	0	0	0
<i>Pellidiscus pallidus</i>	2	1	0	0	1
<i>Peniophora cinerea</i>	6	3	1	0	2
<i>Peniophora incarnata</i>	4	1	1	1	1
<i>Peniophora quercina</i>	6	1	4	0	1
<i>Peniophorella praetermissa</i>	6	2	2	1	1
<i>Peniophorella pubera</i>	4	2	0	1	1

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Peroneutypa scoparia</i>	1	0	1	0	0
<i>Phaenerochaete livescens</i>	1	0	0	1	0
<i>Phaeolus schweinitzii</i>	1	0	0	1	0
<i>Phaeotremella foliacea</i>	1	0	0	0	1
<i>Phanerochaete calotricha</i>	2	0	1	1	0
<i>Phanerochaete laevis</i>	11	4	1	2	4
<i>Phanerochaete livescens</i>	8	3	4	0	1
<i>Phanerochaete septocystidia</i>	2	1	0	0	1
<i>Phanerochaete sordida</i>	1	1	0	0	0
<i>Phanerochaete velutina</i>	2	1	0	0	1
<i>Phelbia radiata</i>	1	0	0	0	1
<i>Phlebia lilascens</i>	1	1	0	0	0
<i>Phlebia livida</i>	2	0	0	2	0
<i>Phlebia radiata</i>	11	3	3	2	3
<i>Phlebia rufa</i>	3	1	0	2	0
<i>Phlebia tremellosa</i>	5	0	2	2	1
<i>Phlebiella pseudotsugae</i>	1	0	0	1	0
<i>Phlebiella tulasnellloidea</i>	2	1	0	0	1
<i>Phlebiella vaga</i>	4	1	1	1	1
<i>Phlebiopsis gigantea</i>	1	0	0	1	0
<i>Phleogena faginea</i>	1	1	0	0	0
<i>Picipes badius</i>	2	1	0	0	1
<i>Pleurotus ostreatus</i>	3	3	0	0	0
<i>Plicaturopsis crispa</i>	6	2	2	2	0
<i>Pluteus cervinus</i>	12	3	4	3	2
<i>Pluteus phlebophorus</i>	2	1	1	0	0
<i>Pluteus pouzarianus</i>	1	0	0	1	0
<i>Pluteus semibulbosus</i>	1	1	0	0	0
<i>Pluteus umbrosus</i>	1	1	0	0	0
<i>Polydesmia pruinosa</i>	3	2	0	0	1
<i>Polyporus brumalis</i>	3	0	1	2	0
<i>Polyporus leptcephalus</i>	1	0	1	0	0
<i>Polyporus tuberaster</i>	1	1	0	0	0
<i>Porostereum spadiceum</i>	1	0	0	1	0
<i>Porotheleum fimbriatum</i>	2	0	1	0	1
<i>Postia caesia</i>	5	0	0	0	5
<i>Postia stiptica</i>	2	0	0	0	2
<i>Postia subcaesia</i>	12	1	3	2	6
<i>Postia tephroleuca</i>	4	0	2	1	1
<i>Proliferodiscus pulveraceus</i>	1	0	0	0	1
<i>Propolis versicolor</i>	1	0	0	0	1
<i>Psathyrella candolleana</i>	1	1	0	0	0
<i>Psathyrella piluliformis</i>	5	2	2	0	1
<i>Pseudohydnum gelatinosum</i>	5	1	0	3	1

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Pycnoporellus fulgens</i>	1	0	0	0	1
<i>Radulomyces confluens</i>	4	2	1	1	0
<i>Ramaria stricta</i>	2	0	1	1	0
<i>Resinicium bicolor</i>	10	1	0	4	5
<i>Resupinatus trichotis</i>	1	1	0	0	0
<i>Rigidoporus sanguinolentus</i>	6	1	2	2	1
<i>Rosellinia aquila</i>	1	1	0	0	0
<i>Ruzenia spermoides</i>	6	2	2	1	1
<i>Schizophyllum commune</i>	4	1	0	2	1
<i>Schizopora flavipora</i>	1	0	0	0	1
<i>Schizopora paradoxa</i>	27	6	8	8	5
<i>Schizopora radula</i>	1	0	0	0	1
<i>Scopuloides hydroides</i>	1	0	0	1	0
<i>Scopuloides rimosa</i>	6	0	3	2	1
<i>Scutellinia scutellata</i>	2	1	1	0	0
<i>Serpula himantioides</i>	3	0	0	1	2
<i>Sidera vulgaris</i>	1	1	0	0	0
<i>Simocybe centunculus</i>	6	1	3	1	1
<i>Sistotrema brinkmannii</i>	6	1	3	1	1
<i>Sistotrema octosporum</i>	1	1	0	0	0
<i>Skeletocutis amorpha</i>	9	0	2	5	2
<i>Skeletocutis carneogrisea</i>	4	0	1	2	1
<i>Skeletocutis nivea</i>	3	1	1	0	1
<i>Steccherinum ochraceum</i>	6	1	1	2	2
<i>Stereum gausapatum</i>	2	0	1	0	1
<i>Stereum hirsutum</i>	35	9	11	9	6
<i>Stereum rameale</i>	4	0	2	1	1
<i>Stereum rugosum</i>	3	0	1	0	2
<i>Stereum sanguinolentum</i>	10	1	1	4	4
<i>Stereum subtomentosum</i>	24	8	4	6	6
<i>Strobilurus esculentus</i>	1	0	0	0	1
<i>Tapinella atrotomentosa</i>	2	0	0	1	1
<i>Trametes gibbosa</i>	10	3	2	3	2
<i>Trametes hirsuta</i>	8	1	2	3	2
<i>Trametes pubescens</i>	1	0	1	0	0
<i>Trametes versicolor</i>	33	7	9	9	8
<i>Trechispora cohaerens</i>	2	2	0	0	0
<i>Trechispora confinis</i>	3	0	0	2	1
<i>Trechispora farinacea</i>	11	1	3	2	5
<i>Trechispora hymenocystis</i>	11	4	3	2	2
<i>Trechispora microspora</i>	2	0	1	0	1
<i>Trechispora minima</i>	3	2	0	1	0
<i>Trechispora stellulata</i>	1	0	1	0	0
<i>Trechispora stevensonii</i>	2	0	2	0	0

<b>Species name</b>	<b>Sum</b>	<b>Beech</b>	<b>+Oak</b>	<b>+Pine</b>	<b>+Spruce</b>
<i>Trichaptum abietinum</i>	15	1	2	7	5
<i>Trichoderma aureoviride</i>	4	0	3	0	1
<i>Trichoderma citrinum</i>	1	0	0	0	1
<i>Trichoderma parmastoi</i>	1	1	0	0	0
<i>Trichoderma rufum</i>	15	4	2	4	5
<i>Trichoderma strictipilosum</i>	2	0	1	1	0
<i>Trichoderma viride</i>	14	6	3	5	0
<i>Tricholomopsis decora</i>	1	0	0	1	0
<i>Tricholomopsis rutilans</i>	5	1	1	2	1
<i>Tulasnella violea</i>	2	0	0	2	0
<i>Tylospora fibrillosa</i>	1	0	0	1	0
<i>Vararia investiens</i>	1	0	0	0	1
<i>Vuilleminia comedens</i>	32	8	11	7	6
<i>Xenasmatella vaga</i>	12	1	5	4	2
<i>Xylaria carpophila</i>	7	2	2	1	2
<i>Xylaria hypoxylon</i>	38	9	11	10	8
<i>Xylaria polymorpha</i>	7	3	2	2	0
<i>Xylodon asperus</i>	2	0	0	0	2
<i>Xylodon brevisetus</i>	3	0	0	2	1
<i>Xylodon crustosus</i>	1	0	0	1	0
<i>Xylodon flaviporus</i>	1	0	1	0	0
<i>Xylodon nespori</i>	6	1	3	0	2

*Fungi (others)*

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Agaricus essettei</i>	2	1	1	0	0
<i>Anthina flammula</i>	1	0	0	1	0
<i>Callistospora pinicola</i>	1	0	0	1	0
<i>Chlorophyllum olivieri</i>	4	0	3	1	0
<i>Chlorophyllum rhacodes</i>	2	0	2	0	0
<i>Chromelosporium ochraceum</i>	1	1	0	0	0
<i>Clavulina cinerea</i>	7	1	1	2	3
<i>Clavulina coralloides</i>	18	6	4	3	5
<i>Clavulina rugosa</i>	1	0	0	0	1
<i>Clitocybe ditopa</i>	1	0	0	1	0
<i>Clitocybe gibba</i>	2	2	0	0	0
<i>Clitocybe metachroa</i>	4	0	1	2	1
<i>Clitocybe nebularis</i>	21	5	7	4	5
<i>Clitocybe phyllophila</i>	4	0	2	1	1
<i>Clitocybe spec.</i>	2	0	0	1	1
<i>Clitocybe subspadicea</i>	1	1	0	0	0
<i>Clitocybe vibecina</i>	4	1	2	0	1
<i>Conocybe tenera</i>	1	1	0	0	0
<i>Coprinopsis picacea</i>	2	0	2	0	0
<i>Coprinus spec.</i>	1	0	0	0	1
<i>Cystoderma amianthinum</i>	1	0	0	1	0
<i>Cystodermella terryi</i>	1	0	0	1	0
<i>Entoloma cetratum</i>	1	0	0	0	1
<i>Entoloma cyanulum</i>	1	1	0	0	0
<i>Entoloma juncinum</i>	1	0	0	0	1
<i>Entoloma rhodocylis</i>	1	0	0	1	0
<i>Galerina hypnorum</i>	1	0	1	0	0
<i>Galerina similis</i>	1	0	0	0	1
<i>Gymnopus androsaceus</i>	3	0	1	0	2
<i>Gymnopus aquosus</i>	1	0	1	0	0
<i>Gymnopus confluens</i>	1	1	0	0	0
<i>Gymnopus dryophilus</i>	4	0	3	0	1
<i>Gymnopus peronatus</i>	10	4	2	1	3
<i>Humaria hemisphaerica</i>	1	0	1	0	0
<i>Lacrymaria lacrymabunda</i>	1	0	1	0	0
<i>Leotia lubrica</i>	3	1	1	1	0
<i>Lepiota clypeolaria</i>	1	0	1	0	0
<i>Lepista flaccida</i>	2	0	0	1	1
<i>Lepista nuda</i>	1	0	0	1	0
<i>Leucoscypha lecuotricha</i>	2	1	0	0	1
<i>Lycoperdon echinatum</i>	1	0	1	0	0
<i>Lycoperdon perlatum</i>	29	8	8	8	5

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Macrolepiota procera</i>	2	1	1	0	0
<i>Macrotyphula fistulosa</i>	8	4	3	1	0
<i>Marasmius androsaceus</i>	1	0	0	0	1
<i>Marasmius bulliardii</i>	1	0	1	0	0
<i>Marasmius cohaerens</i>	1	0	1	0	0
<i>Mutinus caninus</i>	2	2	0	0	0
<i>Mycena capillaris</i>	13	2	2	6	3
<i>Mycena cinerella</i>	7	1	1	2	3
<i>Mycena galopus</i>	4	0	0	2	2
<i>Mycena maculata</i>	1	0	1	0	0
<i>Mycena metata</i>	5	0	0	1	4
<i>Mycena pelianthina</i>	7	2	2	1	2
<i>Mycena pura</i>	18	6	4	5	3
<i>Mycena rosea</i>	13	4	6	2	1
<i>Mycena sanguinolenta</i>	3	1	0	0	2
<i>Mycena stylobates</i>	6	0	2	3	1
<i>Mycena vulgaris</i>	1	0	0	0	1
<i>Otidea onotica</i>	3	2	0	1	0
<i>Paralepista flaccida</i>	1	0	1	0	0
<i>Phaeohelotium fagineum</i>	17	6	2	4	5
<i>Phallus impudicus</i>	1	0	1	0	0
<i>Pholiota lenta</i>	1	0	0	0	1
<i>Phragmotrichum chailletii</i>	4	0	0	0	4
<i>Psathyrella fibrillosa</i>	2	0	1	0	1
<i>Psathyrella senex</i>	1	0	1	0	0
<i>Psathyrella tephrophylla</i>	1	0	0	1	0
<i>Pseudoclitocybe cyathiformis</i>	1	0	1	0	0
<i>Pucciniastrum areolatum</i>	2	0	0	0	2
<i>Rhodocollybia butyracea</i>	7	0	4	2	1
<i>Rickenella fibula</i>	17	7	4	4	2
<i>Ripartites tricholoma</i>	3	0	1	1	1
<i>Singerocybe phaeophthalma</i>	1	0	1	0	0
<i>Sphaerobolus stellatus</i>	1	0	0	0	1
<i>Strobilurus tenacellus</i>	1	0	0	1	0
<i>Tubaria conspersa</i>	2	1	0	0	1
<i>Tubaria furfuracea</i>	1	1	0	0	0

## *Mites*

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Achipteria</i> spec.	41	9	11	11	10
<i>Adoristes ovatus</i>	17	2	3	8	4
<i>Allosuctobelba grandis</i>	14	2	5	5	2
<i>Berniella conjumeta</i>	1	0	0	1	0
<i>Berniella sigma</i>	14	5	4	2	3
<i>Brachychthoniidae</i>	16	4	4	3	5
<i>Brachychthonius berlesi</i>	12	2	4	3	3
<i>Caleremaeus monilipes</i>	1	0	0	0	1
<i>Camisia spinifer</i>	3	1	1	0	1
<i>Carabodes</i> spec.	37	7	10	10	10
<i>Cepheus</i> spec.	4	0	0	3	1
<i>Ceratoppia bipilis</i>	7	2	2	2	1
<i>Ceratoppia quadridentata</i>	1	1	0	0	0
<i>Ceratozetes</i> spec.	23	8	6	6	3
<i>Chamobates</i> spec.	41	9	11	11	10
<i>Conchogneta dalecarlica</i>	7	0	3	2	2
<i>Cultroribula bicultrata</i>	29	8	6	10	5
<i>Cyberemaeus cymba</i>	4	0	1	1	2
<i>Damaeus</i> spec.	30	6	9	7	8
<i>Dissorhina ornata</i>	36	9	11	9	7
<i>Domotorina plantivaga</i>	2	0	0	1	1
<i>Eniochthonius minutissimus</i>	9	4	1	2	2
<i>Eueremaeus oblongus</i>	2	0	0	0	2
<i>Eupelops</i> spec.	40	9	10	11	10
<i>Euphthiracaridae</i>	22	5	6	7	4
<i>Euzetes</i> spec.	3	1	0	1	1
<i>Galumna</i> spec.	14	3	3	4	4
<i>Hermannia gibba</i>	10	1	1	4	4
<i>Hypochthonius rufulus</i>	31	8	8	7	8
<i>Liacarus coracinus</i>	3	1	0	0	2
<i>Liacarus xylariae</i>	20	4	4	6	6
<i>Licneremaeus licnophorus</i>	2	0	0	0	2
<i>Liebstadia similis</i>	3	2	0	1	0
<i>Liochthonius</i> spec.	1	0	0	0	1
<i>Malaconothrus gracilis</i>	2	1	0	1	0
<i>Medioppia subpectinata</i>	41	9	11	11	10
<i>Metabelba</i> spec.	34	7	9	10	8
<i>Microppia minus</i>	24	5	6	6	7
<i>Microtritia minima</i>	1	0	0	1	0
<i>Minunthozetes semirufus</i>	1	0	0	1	0
<i>Nanhermannia</i> spec.	10	1	2	2	5
<i>Nothrus silvetris</i>	41	9	11	11	10

<b>Species name</b>	<b>Sum</b>	<b>Beech</b>	<b>+Oak</b>	<b>+Pine</b>	<b>+Spruce</b>
<i>Ophidiotrichus tectorum</i>	30	8	9	7	6
<i>Ophidiotrichus vindobensis</i>	6	2	0	3	1
<i>Oppiella falcata</i>	41	9	11	11	10
<i>Oppiella M. translamellata</i>	2	2	0	0	0
<i>Oppiella nova</i>	41	9	11	11	10
<i>Oppiella R. fallax</i>	1	0	0	0	1
<i>Oribatella quadricornuta</i>	16	4	3	3	6
<i>Oribatula tibialis</i>	38	9	10	9	10
<i>Pantelozetes paoli</i>	10	4	3	3	0
<i>Phthiracariidae</i>	41	9	11	11	10
<i>Platynothrus peltifer</i>	33	7	10	9	7
<i>Poroliodes farinosus</i>	1	0	0	1	0
<i>Quadroppia quadricarinata</i>	38	9	10	9	10
<i>Rhyotritia duplicata</i>	6	0	0	2	4
<i>Scapheremaeus palustris</i>	1	0	0	1	0
<i>Scheloribates spec.</i>	30	8	6	9	7
<i>Steganacarus carinatus</i>	1	0	0	1	0
<i>Steganacarus magnus</i>	1	0	0	1	0
<i>Suctobelbidae</i>	41	9	11	11	10
<i>Tectocephus spec.</i>	29	6	7	8	8
<i>Xenillus clypeator</i>	3	1	0	1	1
<i>Zygoribatula exilis</i>	1	0	1	0	0

## Springtails

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Ceratophysella denticulata</i>	34	6	9	10	9
<i>Folsomia quadrioculata</i>	35	6	10	10	9
<i>Isotomiella minor</i>	19	4	0	10	5
<i>Lepidocyrtus curvicolis</i>	1	0	0	1	0
<i>Lepidocyrtus cyaneus</i>	1	0	0	1	0
<i>Lepidocyrtus spec.</i>	2	0	0	0	2
<i>Lepidocyrtus lignorum</i>	35	6	9	10	10
<i>Lepidocyrtus violaceus</i>	2	1	0	1	0
<i>Lipothrix lubbocki</i>	1	0	0	0	1
<i>Neanura muscorum</i>	14	3	4	4	3
<i>Orchesella bifasciata</i>	8	1	2	2	3
<i>Orchesella flavescens</i>	1	0	0	0	1
<i>Paratullbergia callipygos</i>	4	1	1	0	2
<i>Parisotoma spec.</i>	1	0	0	0	1
<i>Parisotoma notabilis</i>	26	5	4	9	8
<i>Pogonognathellus flavescens</i>	2	1	0	0	1
<i>Pogonognathellus spec.</i>	1	0	0	0	1
<i>Protaphorura pseudovanderdrifti</i>	36	6	10	10	10
<i>Pseudosinella alba</i>	3	0	0	1	2
<i>Sminthurinus aureus</i>	3	1	0	2	0
<i>Synphypleona spec.</i>	1	0	0	1	0
<i>Tomocerus minor</i>	1	0	0	0	1

*True bugs (herbivores)*

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Aelia acuminata</i>	2	0	1	0	1
<i>Brachycarenum tigrinus</i>	1	0	1	0	0
<i>Calocoris affinis</i>	1	0	1	0	0
<i>Carpocoris fuscispinus</i>	4	1	1	2	0
<i>Carpocoris purpureipennis</i>	1	0	1	0	0
<i>Chlorochroa pinicola</i>	1	0	0	1	0
<i>Dolycoris baccarum</i>	15	4	4	6	1
<i>Eurygaster maura</i>	2	1	1	0	0
<i>Gastrodes abietum</i>	1	1	0	0	0
<i>Gastrodes grossipes</i>	4	1	0	1	2
<i>Holcostethus strictus</i>	2	0	1	1	0
<i>Kleidocerys resedae</i>	4	0	4	0	0
<i>Leptoglossus occidentalis</i>	1	0	1	0	0
<i>Lygus gemellatus</i>	1	0	0	0	1
<i>Lygus pratensis</i>	10	3	2	2	3
<i>Orthotylus prasinus</i>	1	0	0	1	0
<i>Palomena prasina</i>	15	3	7	5	0
<i>Phoenicocoris modestus</i>	5	0	0	5	0
<i>Phytocoris tiliae</i>	5	1	2	2	0
<i>Piesma maculatum</i>	2	0	0	2	0
<i>Piezodorus lituratus</i>	2	0	0	1	1
<i>Plagiognathus vitellinus</i>	2	0	0	0	2
<i>Platyplax salviae</i>	1	0	0	1	0
<i>Plesiodema pinetella</i>	1	0	0	1	0
<i>Plinthisus brevipennis</i>	1	0	0	1	0
<i>Psallus mollis</i>	3	0	3	0	0
<i>Psallus varians</i>	17	4	6	3	4
<i>Psallus wagneri</i>	1	0	1	0	0
<i>Rhabdomiris striatellus</i>	3	0	2	0	1
<i>Rhopalus parumpunctatus</i>	1	0	1	0	0
<i>Stenodema laevigata</i>	11	2	3	2	4
<i>Thyreocoris scarabaeoides</i>	1	0	1	0	0

*True bugs (others)*

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Anthocoris confusus</i>	1	1	0	0	0
<i>Aradus conspicuus</i>	1	0	0	1	0
<i>Arma custos</i>	2	0	1	1	0
<i>Atractotomus magnicornis</i>	9	1	1	2	5
<i>Atractotomus parvulus</i>	1	0	0	1	0
<i>Blepharidopterus angulatus</i>	2	1	0	0	1
<i>Campyloneura virgula</i>	7	2	3	2	0
<i>Cremonocephalus alpestris</i>	1	0	0	0	1
<i>Deraeocoris annulatus</i>	1	0	0	0	1
<i>Deraeocoris lutescens</i>	20	5	7	2	6
<i>Empicoris vagabundus</i>	2	0	2	0	0
<i>Gerris lacustris</i>	1	0	0	0	1
<i>Harpocera thoracica</i>	10	2	6	0	2
<i>Isometopus intrusus</i>	1	0	1	0	0
<i>Loricula elegantula</i>	17	6	7	1	3
<i>Loricula ruficeps</i>	2	0	1	0	1
<i>Malacocoris chlorizans</i>	1	0	1	0	0
<i>Megacoelum infusum</i>	1	0	1	0	0
<i>Nabis pseudoferus</i>	25	7	4	8	6
<i>Orius horvathi</i>	2	1	1	0	0
<i>Orius minutus</i>	2	2	0	0	0
<i>Pentatoma rufipes</i>	25	7	7	2	9
<i>Phytocoris dimidiatus</i>	1	0	0	1	0
<i>Phytocoris intricatus</i>	1	0	0	0	1
<i>Phytocoris longipennis</i>	1	0	1	0	0
<i>Rhaphigaster nebulosa</i>	1	0	0	1	0
<i>Saldula c-album</i>	1	0	1	0	0
<i>Temnostethus gracilis</i>	2	1	1	0	0
<i>Temnostethus pusillus</i>	3	0	2	1	0
<i>Troilus luridus</i>	1	0	1	0	0
<i>Xylocoris galactinus</i>	1	0	1	0	0

*Beetles (herbivores)*

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Agriotes acuminatus</i>	13	3	3	2	5
<i>Agriotes pallidulus</i>	22	6	4	5	7
<i>Agriotes pilosellus</i>	32	8	9	7	8
<i>Agriotes sputator</i>	1	0	1	0	0
<i>Anoplus plantaris</i>	1	1	0	0	0
<i>Anthonomus phyllocola</i>	4	0	0	4	0
<i>Athous haemorrhoidalis</i>	17	3	6	3	5
<i>Athous vittatus</i>	39	9	11	10	9
<i>Aulonothroscus brevicollis</i>	20	2	4	8	6
<i>Baris coerulescens</i>	3	0	1	2	0
<i>Brachonyx pineti</i>	1	0	0	1	0
<i>Bruchus luteicornis</i>	1	1	0	0	0
<i>Byturus tomentosus</i>	2	1	1	0	0
<i>Caenorhinus aeneovirens</i>	1	1	0	0	0
<i>Caenorhinus interpunctatus</i>	1	0	1	0	0
<i>Ceutorhynchus floralis</i>	2	0	1	1	0
<i>Ceutorhynchus obstrictus</i>	5	0	1	2	2
<i>Ceutorhynchus pallidactylus</i>	2	0	1	0	1
<i>Cimberis attelaboides</i>	2	0	0	2	0
<i>Cionus nigratarsis</i>	1	0	1	0	0
<i>Coeliodes dryados</i>	2	0	2	0	0
<i>Curculio glandium</i>	7	0	6	0	1
<i>Curculio pyrrhoceras</i>	1	0	1	0	0
<i>Curculio venosus</i>	5	0	4	1	0
<i>Doydirhynchus austriacus</i>	3	0	0	3	0
<i>Ectinus aterrimus</i>	3	0	1	1	1
<i>Elleucus scanicus</i>	1	0	0	0	1
<i>Eusphalerum abdominale</i>	1	0	1	0	0
<i>Eusphalerum limbatum</i>	12	4	4	2	2
<i>Eusphalerum luteum</i>	1	0	1	0	0
<i>Eusphalerum minutum</i>	1	0	1	0	0
<i>Eusphalerum primulae</i>	2	0	1	0	1
<i>Eusphalerum rectangulum</i>	3	0	2	1	0
<i>Eusphalerum signatum</i>	2	1	0	0	1
<i>Eusphalerum sorbi</i>	2	0	2	0	0
<i>Hypera meles</i>	1	0	1	0	0
<i>Hypera nigrirostris</i>	2	1	1	0	0
<i>Hypera postica</i>	3	0	1	2	0
<i>Lagria hirta</i>	1	0	1	0	0
<i>Lasiorrhynchites olivaceus</i>	8	0	6	2	0
<i>Limonius aeneoniger</i>	1	0	1	0	0
<i>Longitarsus melanocephalus</i>	1	0	0	0	1

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Meligethes aeneus</i>	40	9	11	10	10
<i>Meligethes denticulatus</i>	3	0	0	2	1
<i>Meligethes morosus</i>	1	0	0	1	0
<i>Meligethes subaeneus</i>	1	1	0	0	0
<i>Mosotalesus impressus</i>	1	0	0	1	0
<i>Nalassus laevioctostriatus</i>	2	1	0	1	0
<i>Nothodes parvulus</i>	7	1	3	1	2
<i>Olibrus aeneus</i>	1	0	1	0	0
<i>Otiorhynchus singularis</i>	3	0	2	0	1
<i>Oulema gallaeciana</i>	5	2	1	1	1
<i>Oulema melanopus</i>	7	1	4	2	0
<i>Oulimnius tuberculatus</i>	1	1	0	0	0
<i>Pachyrhinus mustela</i>	1	0	1	0	0
<i>Phyllobius arborator</i>	3	0	1	0	2
<i>Phyllobius argentatus</i>	29	6	11	8	4
<i>Phyllobius calcaratus</i>	1	0	0	0	1
<i>Phyllotreta astrachanica</i>	1	1	0	0	0
<i>Phyllotreta atra</i>	2	0	1	1	0
<i>Phyllotreta vittula</i>	2	2	0	0	0
<i>Polydrusus cervinus</i>	2	0	1	0	1
<i>Polydrusus impar</i>	7	0	0	0	7
<i>Polydrusus pallidus</i>	1	0	0	0	1
<i>Polydrusus undatus</i>	8	3	2	1	2
<i>Prosternon tessellatum</i>	1	0	1	0	0
<i>Protapion apricans</i>	1	0	0	1	0
<i>Protapion fulvipes</i>	2	0	0	2	0
<i>Pseudapion rufirostre</i>	1	0	0	1	0
<i>Rhinomias forticornis</i>	2	0	1	1	0
<i>Rhynchaenus fagi</i>	41	9	11	11	10
<i>Rhynchites cupreus</i>	1	0	1	0	0
<i>Serica brunna</i>	13	4	4	4	1
<i>Simo hirticornis</i>	1	1	0	0	0
<i>Sitona lepidus</i>	1	0	0	1	0
<i>Strophosoma capitatum</i>	10	5	2	2	1
<i>Strophosoma melanogrammum</i>	35	8	10	8	9

## *Beetles (saproxylic)*

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Abraeus perpusillus</i>	2	2	0	0	0
<i>Acalles camelus</i>	1	0	1	0	0
<i>Agaricochara latissima</i>	9	2	3	3	1
<i>Agathidium nigripenne</i>	1	0	1	0	0
<i>Alosterna tabacicolor</i>	1	0	0	0	1
<i>Ampedus balteatus</i>	11	0	2	5	4
<i>Ampedus elongatulus</i>	1	0	0	1	0
<i>Ampedus erythrogonus</i>	5	0	0	0	5
<i>Ampedus nigerrimus</i>	1	0	0	1	0
<i>Ampedus nigrinus</i>	8	1	0	3	4
<i>Ampedus pomorum</i>	36	8	8	10	10
<i>Ampedus sanguineus</i>	4	0	0	2	2
<i>Anaglyptus mysticus</i>	6	2	4	0	0
<i>Anaspis flava</i>	1	0	0	1	0
<i>Anaspis frontalis</i>	1	0	0	1	0
<i>Anaspis marginicollis</i>	5	1	0	3	1
<i>Anaspis ruficollis</i>	5	0	1	1	3
<i>Anaspis rufilabris</i>	26	4	7	8	7
<i>Anaspis thoracica</i>	2	0	1	1	0
<i>Anidorus nigrinus</i>	2	0	0	2	0
<i>Anisotoma humeralis</i>	2	1	0	0	1
<i>Anobium costatum</i>	30	7	10	7	6
<i>Anobium emarginatum</i>	3	0	0	1	2
<i>Anobium fulvicorne</i>	1	0	1	0	0
<i>Anobium pertinax</i>	2	0	0	0	2
<i>Anostirus castaneus</i>	8	3	3	2	0
<i>Anostirus purpureus</i>	7	1	2	2	2
<i>Anthribus albinus</i>	4	0	1	2	1
<i>Aplocnemus nigricornis</i>	23	2	6	8	7
<i>Atomaria ornata</i>	6	0	0	3	3
<i>Atomaria turgida</i>	4	0	0	2	2
<i>Atrecus affinis</i>	2	0	0	0	2
<i>Bibloporus bicolor</i>	14	3	3	5	3
<i>Bolitochara obliqua</i>	1	1	0	0	0
<i>Bolitophagus reticulatus</i>	1	0	0	1	0
<i>Calambus bipustulatus</i>	2	0	2	0	0
<i>Cerylon fagi</i>	14	2	4	4	4
<i>Cerylon ferrugineum</i>	18	5	6	3	4
<i>Cerylon histeroides</i>	6	1	2	2	1
<i>Cicones variegatus</i>	3	1	0	0	2
<i>Cis boleti</i>	9	2	4	2	1
<i>Cis castaneus</i>	3	1	1	1	0

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Cis dentatus</i>	1	0	0	1	0
<i>Cis glabratus</i>	1	1	0	0	0
<i>Cis hispidus</i>	14	2	2	6	4
<i>Cis micans</i>	15	4	5	3	3
<i>Cis nitidus</i>	2	0	0	1	1
<i>Clytus arietis</i>	3	0	1	2	0
<i>Colydium elongatum</i>	3	1	0	2	0
<i>Conopalpus brevicollis</i>	6	1	2	2	1
<i>Corticaria abietorum</i>	2	0	0	0	2
<i>Corticarina obfuscata</i>	6	0	3	0	3
<i>Corticeus unicolor</i>	5	1	1	1	2
<i>Cortodera femorata</i>	1	0	1	0	0
<i>Cortodera humeralis</i>	1	0	1	0	0
<i>Corymbia rubra</i>	11	1	2	5	3
<i>Cryphalus abietis</i>	3	1	0	0	2
<i>Cryptolestes duplicatus</i>	1	0	1	0	0
<i>Cryptophagus dorsalis</i>	10	1	2	6	1
<i>Crypturgus cinereus</i>	3	0	0	2	1
<i>Crypturgus hispidulus</i>	2	0	0	2	0
<i>Cychramus luteus</i>	2	0	1	1	0
<i>Cychramus variegatus</i>	2	0	0	0	2
<i>Cyrtanaspis phalerata</i>	1	0	0	0	1
<i>Dacne bipustulata</i>	3	0	1	2	0
<i>Dasytes aeratus</i>	2	0	1	1	0
<i>Dasytes cyaneus</i>	3	2	1	0	0
<i>Dasytes plumbeus</i>	17	3	4	5	5
<i>Denticollis linearis</i>	13	2	5	2	4
<i>Denticollis rubens</i>	1	0	1	0	0
<i>Dictyopterus aurora</i>	4	1	0	2	1
<i>Dirhagus pygmaeus</i>	8	1	5	1	1
<i>Dissoleucas niveirostris</i>	2	0	1	1	0
<i>Dryocoetes autographus</i>	3	0	0	0	3
<i>Enicmus atriceps</i>	1	0	1	0	0
<i>Enicmus brevicornis</i>	1	0	0	1	0
<i>Enicmus fungicola</i>	1	0	0	0	1
<i>Enicmus testaceus</i>	23	4	5	9	5
<i>Ennearthron cornutum</i>	4	1	0	0	3
<i>Eपुरaea marseuli</i>	3	0	1	1	1
<i>Eपुरaea pygmaea</i>	2	0	1	0	1
<i>Ernobius abietinus</i>	1	0	0	0	1
<i>Ernobius abietis</i>	2	0	0	1	1
<i>Ernoporicus fagi</i>	15	4	3	7	1
<i>Euglenes pygmaeus</i>	4	0	0	2	2
<i>Euplectus bescidicus</i>	7	2	2	1	2

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Euplectus karsteni</i>	4	2	2	0	0
<i>Euplectus punctatus</i>	1	0	1	0	0
<i>Gabrius splendidulus</i>	5	1	2	1	1
<i>Glischrochilus quadriguttatus</i>	1	0	1	0	0
<i>Gonodera luperus</i>	4	1	1	1	1
<i>Gyrophana angustata</i>	1	0	1	0	0
<i>Gyrophana minima</i>	1	1	0	0	0
<i>Hapalaraea pygmaea</i>	1	1	0	0	0
<i>Hedobia imperialis</i>	18	1	6	6	5
<i>Hesperus rufipennis</i>	1	0	0	1	0
<i>Holobus apicatus</i>	1	1	0	0	0
<i>Hylastes attenuatus</i>	2	0	0	2	0
<i>Hylastes brunneus</i>	4	0	0	2	2
<i>Hylastes cunicularius</i>	8	0	0	4	4
<i>Hylastes opacus</i>	2	2	0	0	0
<i>Hylecoetus dermestoides</i>	7	2	1	2	2
<i>Hylis cariniceps</i>	10	3	0	5	2
<i>Hylis foveicollis</i>	1	0	0	0	1
<i>Hylis olexai</i>	2	1	0	1	0
<i>Hylurgops palliatus</i>	12	0	5	3	4
<i>Hypoganus inunctus</i>	3	0	2	1	0
<i>Hypulus quercinus</i>	1	0	0	0	1
<i>Ips typographus</i>	2	0	1	0	1
<i>Latridius hirtus</i>	4	2	0	2	0
<i>Leiopus nebulosus</i>	2	1	1	0	0
<i>Leperisinus fraxini</i>	3	0	1	1	1
<i>Leptophloeus alternans</i>	1	0	0	0	1
<i>Leptura maculata</i>	7	2	2	2	1
<i>Leptusa fumida</i>	3	1	1	0	1
<i>Leptusa pulchella</i>	3	1	1	0	1
<i>Liodopria serricornis</i>	1	0	1	0	0
<i>Lissodema denticolle</i>	1	0	0	1	0
<i>Litargus connexus</i>	7	3	2	2	0
<i>Magdalis cerasi</i>	1	0	1	0	0
<i>Malthinus facialis</i>	12	4	2	2	4
<i>Malthinus punctatus</i>	30	6	9	7	8
<i>Malthodes fuscus</i>	1	0	0	0	1
<i>Malthodes guttifer</i>	1	0	0	0	1
<i>Malthodes mysticus</i>	1	0	0	0	1
<i>Malthodes pumilus</i>	25	6	6	8	5
<i>Malthodes spathifer</i>	3	1	1	0	1
<i>Megatoma undata</i>	5	0	2	2	1
<i>Melandrya barbata</i>	4	1	2	0	1
<i>Melandrya caraboides</i>	11	2	1	6	2

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Melanotus castanipes</i>	22	5	3	7	7
<i>Melanotus rufipes</i>	29	4	10	7	8
<i>Melasis buprestoides</i>	12	3	1	5	3
<i>Micrambe abietis</i>	8	1	0	2	5
<i>Microscydmus minimus</i>	40	9	10	11	10
<i>Molorchus minor</i>	1	0	1	0	0
<i>Mordellistena neuwaldeggiana</i>	2	1	0	0	1
<i>Mordellistena variegata</i>	1	0	1	0	0
<i>Mordellochroa abdominalis</i>	4	0	1	3	0
<i>Mycetina cruciata</i>	2	0	0	1	1
<i>Mycetochara linearis</i>	2	0	1	0	1
<i>Mycetophagus atomarius</i>	15	6	3	4	2
<i>Mycetophagus fulvicollis</i>	1	0	0	1	0
<i>Mycetophagus populi</i>	2	1	0	0	1
<i>Mycetophagus quadripustulatus</i>	2	0	1	1	0
<i>Nemosoma elongatum</i>	5	1	0	3	1
<i>Neuraphes carinatus</i>	1	1	0	0	0
<i>Neuraphes plicicollis</i>	1	0	0	1	0
<i>Neuraphes ruthenus</i>	1	1	0	0	0
<i>Octotemnus glabriculus</i>	8	4	1	2	1
<i>Opilo mollis</i>	7	2	2	0	3
<i>Orchesia micans</i>	1	1	0	0	0
<i>Orchesia undulata</i>	7	2	1	3	1
<i>Orthocis alni</i>	5	0	0	4	1
<i>Orthocis festivus</i>	8	1	0	4	3
<i>Orthocis vestitus</i>	2	1	0	1	0
<i>Orthoperus atomus</i>	1	0	0	0	1
<i>Orthoperus nigrescens</i>	7	0	0	2	5
<i>Oxymirus cursor</i>	9	1	1	6	1
<i>Oxypoda recondita</i>	1	1	0	0	0
<i>Paromalus parallelepipedus</i>	3	0	2	1	0
<i>Phloeocharis subtilissima</i>	2	0	0	2	0
<i>Phloeonomus punctipennis</i>	1	0	0	1	0
<i>Phloeopora corticalis</i>	2	0	1	1	0
<i>Phloeopora teres</i>	1	0	1	0	0
<i>Phloeostiba plana</i>	1	0	0	1	0
<i>Phloeotribus spinulosus</i>	1	0	0	1	0
<i>Phloiotrya rufipes</i>	11	3	3	3	2
<i>Pissodes pini</i>	1	0	0	1	0
<i>Pityogenes chalcographus</i>	12	3	1	4	4
<i>Pityogenes quadridens</i>	3	2	0	1	0
<i>Pityogenes trepanatus</i>	1	0	0	0	1
<i>Pityophthorus lichtensteini</i>	1	0	0	1	0
<i>Pityophthorus pityographus</i>	7	0	0	3	4

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Placonotus testaceus</i>	1	0	0	0	1
<i>Platycerus caraboides</i>	18	5	8	2	3
<i>Plectophloeus fischeri</i>	6	2	1	2	1
<i>Plectophloeus nubigena</i>	1	0	0	0	1
<i>Plegaderus dissectus</i>	1	0	1	0	0
<i>Prionus coriarius</i>	5	1	2	1	1
<i>Procræus tibialis</i>	1	0	0	0	1
<i>Ptenidium turgidum</i>	3	0	1	1	1
<i>Pteryngium crenatum</i>	1	1	0	0	0
<i>Pteryx suturalis</i>	1	0	0	1	0
<i>Ptilinus pectinicornis</i>	21	3	6	7	5
<i>Ptinella limbata</i>	1	0	1	0	0
<i>Pyrochroa coccinea</i>	1	0	1	0	0
<i>Pyrrhidium sanguineum</i>	5	1	2	1	1
<i>Quedius maurus</i>	1	0	0	0	1
<i>Quedius xanthopus</i>	31	6	7	9	9
<i>Rhagium bifasciatum</i>	3	1	1	0	1
<i>Rhagium inquisitor</i>	1	0	0	0	1
<i>Rhagium mordax</i>	12	6	2	3	1
<i>Rhizophagus bipustulatus</i>	24	8	7	5	4
<i>Rhizophagus cribratus</i>	2	0	1	1	0
<i>Rhizophagus depressus</i>	4	1	0	3	0
<i>Rhizophagus dispar</i>	4	0	1	2	1
<i>Rhizophagus parvulus</i>	1	0	0	0	1
<i>Rhizophagus perforatus</i>	5	0	1	2	2
<i>Ropalodontus perforatus</i>	1	0	0	1	0
<i>Sacium pusillum</i>	8	4	1	0	3
<i>Salpingus planirostris</i>	10	4	4	1	1
<i>Salpingus ruficollis</i>	7	1	3	3	0
<i>Scaphidium quadrimaculatum</i>	2	0	1	0	1
<i>Scaphisoma agaricinum</i>	1	0	0	1	0
<i>Scolytus intricatus</i>	9	1	5	3	0
<i>Silvanus bidentatus</i>	1	0	1	0	0
<i>Sinodendron cylindricum</i>	1	1	0	0	0
<i>Sphaeriestes castaneus</i>	1	0	0	1	0
<i>Sphindus dubius</i>	2	0	1	0	1
<i>Stenichnus godarti</i>	5	1	2	2	0
<i>Stenostola dubia</i>	1	1	0	0	0
<i>Stenurella melanura</i>	13	1	4	4	4
<i>Stephostethus alternans</i>	33	8	8	9	8
<i>Taphrorychus bicolor</i>	21	5	5	7	4
<i>Tetropium castaneum</i>	3	0	1	1	1
<i>Thanasimus formicarius</i>	3	0	0	3	0
<i>Thymalus limbatus</i>	1	0	0	1	0

<b>Species name</b>	<b>Sum</b>	<b>Beech</b>	<b>+Oak</b>	<b>+Pine</b>	<b>+Spruce</b>
<i>Tillus elongatus</i>	10	5	2	2	1
<i>Tomoxia bucephala</i>	6	2	1	0	3
<i>Triplax lepida</i>	5	1	3	0	1
<i>Triplax rufipes</i>	12	6	2	2	2
<i>Triplax russica</i>	1	0	0	1	0
<i>Tritoma bipustulata</i>	10	3	3	2	2
<i>Tropideres albirostris</i>	2	0	1	0	1
<i>Vincenzellus ruficollis</i>	26	7	9	6	4
<i>Xestobium plumbeum</i>	12	2	3	6	1
<i>Xyleborus alni</i>	1	0	0	1	0
<i>Xyleborus dispar</i>	11	1	3	5	2
<i>Xyleborus germanus</i>	40	9	11	11	9
<i>Xyleborus monographus</i>	3	0	3	0	0
<i>Xyleborus peregrinus</i>	9	1	3	4	1
<i>Xyleborus saxeseni</i>	22	5	6	8	3
<i>Xylita laevigata</i>	3	0	0	2	1
<i>Xyloterus domesticus</i>	12	6	4	1	1
<i>Xyloterus lineatus</i>	2	1	0	0	1
<i>Xyloterus signatus</i>	11	3	5	2	1

## *Beetles (others)*

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Absidia rufotestacea</i>	5	0	1	4	0
<i>Acrotrichis intermedia</i>	13	7	2	2	2
<i>Adalia decempunctata</i>	4	0	3	0	1
<i>Agabus melanarius</i>	1	0	1	0	0
<i>Agaricophagus cephalotes</i>	1	0	0	1	0
<i>Agathidium atrum</i>	2	0	1	1	0
<i>Agathidium badium</i>	1	0	1	0	0
<i>Agathidium confusum</i>	1	1	0	0	0
<i>Agathidium seminulum</i>	23	6	4	6	7
<i>Agathidium varians</i>	8	1	3	2	2
<i>Aleochara bipustulata</i>	1	0	0	0	1
<i>Aleochara curtula</i>	7	1	2	3	1
<i>Aleochara sparsa</i>	2	0	1	1	0
<i>Aleochara stichai</i>	2	0	0	1	1
<i>Aleuonota rufotestacea</i>	1	0	1	0	0
<i>Aloconota gregaria</i>	5	2	0	2	1
<i>Amara aenea</i>	1	0	0	0	1
<i>Amara familiaris</i>	6	2	2	2	0
<i>Amara lunicollis</i>	5	1	1	2	1
<i>Amara ovata</i>	3	1	1	1	0
<i>Amischa analis</i>	9	1	4	3	1
<i>Amischa bifoveolata</i>	3	2	0	1	0
<i>Amischa decipiens</i>	4	3	1	0	0
<i>Amischa forcipata</i>	2	0	1	0	1
<i>Amischa nigrofusca</i>	1	0	0	1	0
<i>Amphicyllis globiformis</i>	4	2	1	0	1
<i>Amphicyllis globus</i>	2	0	0	2	0
<i>Anatis ocellata</i>	3	0	0	1	2
<i>Anotylus rugosus</i>	3	1	0	1	1
<i>Anotylus tetracarinatus</i>	2	0	2	0	0
<i>Antherophagus nigricornis</i>	1	0	0	1	0
<i>Aphidecta oblitterata</i>	3	0	1	0	2
<i>Aphodius ater</i>	1	0	0	0	1
<i>Aphodius depressus</i>	2	0	2	0	0
<i>Aphodius granarius</i>	2	1	0	0	1
<i>Aphodius maculatus</i>	5	2	1	1	1
<i>Aphodius prodromus</i>	2	0	0	0	2
<i>Aphodius sticticus</i>	17	4	4	4	5
<i>Apocatops nigrinus</i>	2	0	0	2	0
<i>Asaphidion flavipes</i>	2	0	2	0	0
<i>Atheta aegra</i>	8	0	2	4	2
<i>Atheta amacula</i>	1	1	0	0	0

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Atheta britanniae</i>	5	1	1	2	1
<i>Atheta cauta</i>	1	0	1	0	0
<i>Atheta crassicornis</i>	3	0	0	2	1
<i>Atheta foveicollis</i>	4	1	1	0	2
<i>Atheta fungi</i>	21	3	6	5	7
<i>Atheta haarwoodi</i>	1	0	0	0	1
<i>Atheta inquinula</i>	3	0	2	1	0
<i>Atheta longicornis</i>	1	0	1	0	0
<i>Atheta marcida</i>	2	0	1	0	1
<i>Atheta negligens</i>	2	1	1	0	0
<i>Atheta nigricornis</i>	1	0	1	0	0
<i>Atheta orbata</i>	1	0	1	0	0
<i>Atheta palleola</i>	2	0	0	1	1
<i>Atheta palustris</i>	1	0	0	0	1
<i>Atheta pittionii</i>	1	0	0	0	1
<i>Atheta ravilla</i>	2	0	0	2	0
<i>Atheta triangulum</i>	2	1	0	1	0
<i>Athous subfuscus</i>	41	9	11	11	10
<i>Atomaria analis</i>	15	3	3	7	2
<i>Atomaria apicalis</i>	1	1	0	0	0
<i>Atomaria fuscata</i>	4	1	2	0	1
<i>Atomaria lewisi</i>	2	0	0	1	1
<i>Atomaria linearis</i>	1	0	1	0	0
<i>Atomaria nigrirostris</i>	3	1	1	1	0
<i>Autalia impressa</i>	1	0	1	0	0
<i>Bembidion deletum</i>	4	3	1	0	0
<i>Bembidion quadrimaculatum</i>	1	0	0	1	0
<i>Bembidion stephensii</i>	1	0	1	0	0
<i>Brachytarsus nebulosus</i>	3	0	0	0	3
<i>Bradycellus harpalinus</i>	1	0	1	0	0
<i>Bryaxis nodicornis</i>	3	0	1	1	1
<i>Bryaxis puncticollis</i>	1	1	0	0	0
<i>Bythinus burrelli</i>	15	5	6	3	1
<i>Bythinus macropalpus</i>	1	0	0	0	1
<i>Callicerus rigidicornis</i>	1	0	0	1	0
<i>Calosoma inquisitor</i>	2	1	1	0	0
<i>Calvia decempunctata</i>	1	0	0	0	1
<i>Calvia quatuordecimguttata</i>	1	0	1	0	0
<i>Cantharis nigricans</i>	2	0	1	1	0
<i>Cantharis obscura</i>	1	0	0	1	0
<i>Carpelimus corticinus</i>	3	1	1	1	0
<i>Carpelimus elongatulus</i>	2	1	0	1	0
<i>Cartodere constricta</i>	1	0	1	0	0
<i>Cartodere nodifer</i>	12	1	2	5	4

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Catops kirbyi</i>	3	1	0	1	1
<i>Catops neglectus</i>	4	1	0	2	1
<i>Catops picipes</i>	1	0	0	1	0
<i>Catops tristis</i>	5	1	1	2	1
<i>Cercyon pygmaeus</i>	1	0	1	0	0
<i>Cercyon quisquillius</i>	1	1	0	0	0
<i>Choleva glauca</i>	1	0	1	0	0
<i>Clambus punctulum</i>	4	2	0	1	1
<i>Coccinella septempunctata</i>	5	2	2	1	0
<i>Coccinula quatuordecimpunctata</i>	3	0	3	0	0
<i>Corticaria elongata</i>	1	0	1	0	0
<i>Corticarina fuscula</i>	15	2	4	7	2
<i>Corticarina similata</i>	19	2	6	5	6
<i>Corticaria gibbosa</i>	32	9	8	8	7
<i>Corylophus cassidoides</i>	1	0	0	1	0
<i>Cryptophagus dentatus</i>	21	5	6	7	3
<i>Cryptophagus pilosus</i>	27	8	6	6	7
<i>Cryptophagus scutellatus</i>	2	1	0	1	0
<i>Cryptophagus thomsoni</i>	5	2	2	0	1
<i>Cypha longicornis</i>	10	2	3	2	3
<i>Cyphon padi</i>	1	0	0	1	0
<i>Dalopius marginatus</i>	39	9	10	10	10
<i>Dermestes murinus</i>	1	0	0	1	0
<i>Dermestes undulatus</i>	2	0	0	2	0
<i>Dienerella filum</i>	1	0	0	1	0
<i>Dromius agilis</i>	2	0	1	0	1
<i>Dromius quadrimaculatus</i>	2	1	1	0	0
<i>Enalodroma hepatica</i>	2	1	1	0	0
<i>Enicmus rugosus</i>	37	8	10	10	9
<i>Enicmus transversus</i>	8	1	4	1	2
<i>Eपुरaea melanocephala</i>	19	5	9	3	2
<i>Eपुरaea unicolor</i>	2	0	1	1	0
<i>Euconnus denticornis</i>	1	1	0	0	0
<i>Eutheia linearis</i>	1	0	0	0	1
<i>Exochomus quadripustulatus</i>	2	0	0	0	2
<i>Fissocatops westi</i>	1	0	0	1	0
<i>Geostiba circellaris</i>	1	0	0	1	0
<i>Glischrochilus hortensis</i>	1	0	1	0	0
<i>Glischrochilus quadrisignatus</i>	2	0	2	0	0
<i>Gnathoncus buyssoni</i>	2	0	0	1	1
<i>Habrocerus capillaricornis</i>	1	1	0	0	0
<i>Halyzia sedecimguttata</i>	4	3	0	1	0
<i>Haploglossa villosula</i>	24	4	8	6	6
<i>Harmonia axyridis</i>	2	2	0	0	0

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Harpalus rufipes</i>	1	0	0	1	0
<i>Harpalus signaticornis</i>	4	0	2	1	1
<i>Holobus flavicornis</i>	8	3	3	1	1
<i>Hydrobius fuscipes</i>	2	0	0	1	1
<i>Hyperaspis campestris</i>	2	1	0	1	0
<i>Ischnosoma splendidus</i>	1	1	0	0	0
<i>Lamprohiza splendida</i>	21	6	5	5	5
<i>Lampyrus noctiluca</i>	3	0	0	1	2
<i>Laricobius erichsonii</i>	1	0	0	1	0
<i>Latridius minutus</i>	1	0	1	0	0
<i>Leptacinus intermedius</i>	1	0	1	0	0
<i>Leptacinus sulcifrons</i>	2	0	1	1	0
<i>Leptusa ruficollis</i>	19	6	5	3	5
<i>Lesteva longoelytrata</i>	3	0	2	0	1
<i>Liogluta longiuscula</i>	1	1	0	0	0
<i>Lithocharis nigriceps</i>	1	1	0	0	0
<i>Lordithon lunulatus</i>	3	1	0	2	0
<i>Loricera pilicornis</i>	3	0	2	1	0
<i>Margarinotus stercorarius</i>	2	0	0	2	0
<i>Megaloscapa punctipennis</i>	2	1	0	0	1
<i>Megasternum obscurum</i>	2	0	1	1	0
<i>Metacantharis discoidea</i>	2	0	0	0	2
<i>Monotoma longicollis</i>	2	0	1	1	0
<i>Mycetoporus erichsonianus</i>	1	0	1	0	0
<i>Nargus wilkinii</i>	2	0	0	1	1
<i>Nicrodes littoralis</i>	1	0	0	1	0
<i>Nephanes titan</i>	1	0	1	0	0
<i>Neuraphes elongatulus</i>	10	3	1	4	2
<i>Neuraphes praeteritus</i>	1	0	0	0	1
<i>Neuraphes rubicundus</i>	2	2	0	0	0
<i>Notoxus monoceros</i>	1	0	0	1	0
<i>Ocalea picata</i>	3	2	1	0	0
<i>Oiceoptoma thoracica</i>	1	0	1	0	0
<i>Oligota pusillima</i>	15	4	5	4	2
<i>Omalisus fontisbellaquaei</i>	5	0	1	2	2
<i>Omalium rivulare</i>	2	1	1	0	0
<i>Oxypoda brevicornis</i>	2	1	0	0	1
<i>Oxypoda flavicornis</i>	2	1	1	0	0
<i>Oxypoda opaca</i>	1	0	1	0	0
<i>Paratachys bistratus</i>	1	0	0	0	1
<i>Philonthus carbonarius</i>	1	0	0	1	0
<i>Philonthus cognatus</i>	3	1	1	1	0
<i>Philonthus coracion</i>	1	0	0	1	0
<i>Philonthus decorus</i>	1	0	1	0	0

Species name	Sum	Beech	+Oak	+Pine	+Spruce
<i>Philonthus fimetarius</i>	3	1	0	1	1
<i>Philonthus quisquiliarius</i>	1	1	0	0	0
<i>Philonthus succicola</i>	5	1	1	3	0
<i>Philonthus varians</i>	1	0	1	0	0
<i>Planeustomus palpalis</i>	1	0	0	1	0
<i>Plataraea brunnea</i>	1	0	0	1	0
<i>Platystethus nitens</i>	3	0	1	1	1
<i>Pocadius ferrugineus</i>	1	0	1	0	0
<i>Podabrus alpinus</i>	3	0	0	1	2
<i>Propylea quatuordecimpunctata</i>	4	0	2	1	1
<i>Proteinus atomarius</i>	1	0	0	1	0
<i>Ptenidium intermedium</i>	1	0	0	1	0
<i>Pterostichus oblongopunctatus</i>	2	1	1	0	0
<i>Ptilium schwarzi</i>	1	0	0	0	1
<i>Ptinus subpilosus</i>	9	0	7	1	1
<i>Quedius cinctus</i>	1	0	0	1	0
<i>Quedius lateralis</i>	1	0	0	0	1
<i>Rhagonycha lignosa</i>	24	5	6	9	4
<i>Rhagonycha translucida</i>	16	3	2	4	7
<i>Sciodrepoides watsoni</i>	10	2	4	3	1
<i>Scopaeus laevigatus</i>	1	1	0	0	0
<i>Sepedophilus immaculatus</i>	1	0	1	0	0
<i>Sericoderus lateralis</i>	36	8	10	9	9
<i>Sericus brunneus</i>	2	0	0	2	0
<i>Soronia grisea</i>	1	0	1	0	0
<i>Stenichnus scutellaris</i>	2	0	1	1	0
<i>Stephostethus angusticollis</i>	4	2	0	1	1
<i>Stilbus testaceus</i>	1	0	0	0	1
<i>Syntomium aeneum</i>	1	0	0	1	0
<i>Tachinus pallipes</i>	1	0	1	0	0
<i>Tachyporus hypnorum</i>	8	2	3	3	0
<i>Tachyporus nitidulus</i>	1	0	0	1	0
<i>Tachyporus obtusus</i>	1	0	1	0	0
<i>Tachyporus solutus</i>	1	0	0	1	0
<i>Trechus quadristriatus</i>	9	0	5	2	2
<i>Trichotichnus laevicollis</i>	1	1	0	0	0
<i>Trimium brevicorne</i>	6	2	0	4	0
<i>Trixagus dermestoides</i>	24	3	5	7	9
<i>Trixagus leseigneuri</i>	1	1	0	0	0
<i>Trixagus meybohmi</i>	17	0	1	9	7
<i>Tychus niger</i>	2	0	1	1	0
<i>Tythaspis sedecimguttata</i>	2	1	0	1	0
<i>Xantholinus linearis</i>	3	1	1	0	1
<i>Xantholinus longiventris</i>	18	5	6	5	2

<b>Species name</b>	<b>Sum</b>	<b>Beech</b>	<b>+Oak</b>	<b>+Pine</b>	<b>+Spruce</b>
<i>Xantholinus tricolor</i>	1	0	0	0	1
<i>Xylodrepa quadripunctata</i>	14	4	7	2	1
<i>Xylodromus testaceus</i>	2	0	2	0	0
<i>Zoosetha inconspicua</i>	2	2	0	0	0
<i>Zyras cognatus</i>	1	0	1	0	0
<i>Zyras lugens</i>	1	0	1	0	0

## *Birds*

<b>Species name</b>	<b>Sum</b>	<b>Beech</b>	<b>+Oak</b>	<b>+Pine</b>	<b>+Spruce</b>
<i>Accipiter gentilis</i>	2	1	1	0	0
<i>Aegithalos caudatus</i>	2	0	1	1	0
<i>Buteo buteo</i>	9	3	0	5	1
<i>Certhia familiaris</i>	36	8	10	9	9
<i>Coccothraustes coccothraustes</i>	35	8	9	9	9
<i>Columba oenas</i>	3	0	2	0	1
<i>Columba palumbus</i>	19	4	6	5	4
<i>Cyanistes caeruleus</i>	34	8	11	7	8
<i>Dendrocopos major</i>	35	7	9	10	9
<i>Dendrocopos medius</i>	5	2	3	0	0
<i>Dendrocopos minor</i>	1	1	0	0	0
<i>Dryocopus martius</i>	6	1	3	2	0
<i>Erithacus rubecula</i>	39	9	11	11	8
<i>Ficedula hypoleuca</i>	9	3	3	2	1
<i>Fringilla coelebs</i>	41	9	11	11	10
<i>Garrulus glandarius</i>	21	4	6	4	7
<i>Lophophanes cristatus</i>	11	0	0	4	7
<i>Loxia curvirostra</i>	3	1	0	1	1
<i>Oriolus oriolus</i>	2	0	1	1	0
<i>Parus major</i>	39	9	11	10	9
<i>Parus palustris</i>	24	4	9	8	3
<i>Peripatus ater</i>	23	4	0	9	10
<i>Phylloscopus collybita</i>	13	1	1	5	6
<i>Phylloscopus sibilatrix</i>	13	1	6	1	5
<i>Phylloscopus trochilus</i>	2	0	1	0	1
<i>Picus canus</i>	1	0	0	1	0
<i>Prunella modularis</i>	1	1	0	0	0
<i>Regulus ignicapilla</i>	24	4	3	8	9
<i>Regulus regulus</i>	13	2	2	4	5
<i>Sitta europea</i>	35	7	11	7	10
<i>Sturnus vulgaris</i>	3	0	3	0	0
<i>Sylvia atricapilla</i>	24	4	7	7	6
<i>Troglodytes troglodytes</i>	29	5	7	10	7
<i>Turdus merula</i>	35	8	10	8	9
<i>Turdus philomelos</i>	33	5	9	9	10
<i>Turdus viscivorus</i>	18	3	3	8	4

## *Bats*

<b>Species name</b>	<b>Sum</b>	<b>Beech</b>	<b>+Oak</b>	<b>+Pine</b>	<b>+Spruce</b>
<i>Barbastellus barbastellus</i>	27	7	7	8	5
<i>Myotis alcaethoe</i>	14	4	6	3	1
<i>Myotis brandtii/Myotis mystacinus</i>	35	9	8	9	9
<i>Myotis bechsteinii</i>	19	6	5	5	3
<i>Myotis daubentonii</i>	23	5	8	4	6
<i>Myotis myotis</i>	29	9	8	6	6
<i>Myotis nattereri</i>	28	7	8	7	6
<i>Nyctalus noctula</i>	8	2	2	0	4
Nyckl	22	7	5	6	4
<i>Plecotus spec.</i>	18	5	5	3	5
<i>Pipistrellus nathusii</i>	4	1	1	0	2
<i>Pipistrellus pipistrellus</i>	39	8	11	11	9
<i>Pipistrellus pygmaeus</i>	1	0	0	0	1