

Table S1 Species list and abundance of saproxylic beetles in each woodland type in 2009-2010 and 2021-2022.Qp: *Quercus pyrenaica*, Fr: *Faxinus angustifolia*, Qi: *Quercus ilex*

Family	Species	2009/2010			2021/2022			TOTAL
		Qp	Fr	Qi	Qp	Fr	Qi	
Aderidae	<i>Aderus populneus</i>	14	7	3	6	0	0	30
	<i>Cnopus minor</i>	0	0	1	1	0	0	2
	<i>Otolelus neglectus</i>	0	0	1	0	0	0	1
Anthicidae	<i>Microhoria</i> cf. <i>fasciata</i>	0	0	0	1	0	0	1
	<i>Microhoria</i> sp.	0	0	1	0	0	0	1
Biphyllidae	<i>Diplocoelus fagi</i>	1	14	3	0	0	0	18
Brentidae	<i>Amorphocephala coronata</i>	0	0	0	2	0	0	2
Buprestidae	<i>Acmaeodera degener</i>	0	0	2	0	0	4	6
	<i>Acmaeoderella cyanipennis</i>	0	0	0	0	0	1	1
	<i>Eurythyrea quercus</i>	1	0	0	3	0	0	4
Carabidae	<i>Acupalpus cantabricus</i>	1	0	0	0	0	0	1
	<i>Asaphidion stierlini</i>	1	0	0	0	0	0	1
	<i>Bembidion obtusum</i>	0	0	0	0	1	0	1
	<i>Bembidion tethys</i>	3	0	0	0	0	0	3
	<i>Brachinus sclopeta</i>	0	0	1	0	0	0	1
	<i>Calathus cinctus</i>	0	0	0	0	1	0	1
	<i>Calathus granatensis</i>	260	79	236	42	240	196	1053
	<i>Calathus mollis</i>	0	0	0	0	1	0	1
	<i>Calodromius bifasciatus</i>	0	0	0	1	0	0	1
	<i>Carabus lusitanicus</i>	1	0	0	0	0	7	8
	<i>Cryptophonus tenebrosus</i>	0	0	1	0	0	0	1
	<i>Leistus expansus</i>	2	0	0	0	0	0	2
	<i>Masoreus wetterhallii</i>	0	0	1	0	0	0	1
	<i>Notiophilus marginatus</i>	0	0	0	1	0	0	1
	<i>Porotachys bisulcatus</i>	0	1	0	0	0	0	1
	<i>Steropus globosus</i>	1	0	4	0	0	0	5
	<i>Syntomus foveatus</i>	1	0	1	0	0	1	3
	<i>Trechus obtusus</i>	3	0	1	0	6	0	10
Cerambycidae	<i>Alocerus moesiacus</i>	2	0	7	1	0	4	14
	<i>Cerambyx welensii</i>	0	0	0	2	0	0	2
	<i>Prinobius myardi</i>	0	1	1	0	0	0	2
	<i>Stictoleptura trisignata</i>	5	1	6	2	2	3	19
Cetoniidae	<i>Cetonia aurataeformis</i>	96	65	21	7	9	2	200
	<i>Protaetia cuprea</i>	4	10	12	1	4	2	33
	<i>Protaetia opaca</i>	1	4	2	1	4	4	16
Ciidae	<i>Cis striatulus</i>	0	0	0	0	0	1	1
Clambidae	<i>Calyptromerus dubius</i>	0	1	0	1	2	0	4
Cleridae	<i>Opilo domesticus</i>	1	1	3	0	0	2	7
Corylophidae	<i>Arthrolips</i> sp.	0	0	0	1	0	0	1
Curculionidae	<i>Camptorhinus statua</i>	38	2	8	3	0	0	51
	<i>Dryocoetes villosus</i>	0	0	0	2	0	0	2
	<i>Platypus cylindrus</i>	0	0	1	1	0	0	2
	<i>Xyleborinus saxesenii</i>	6	13	2	0	0	0	21

	<i>Xyleborus dryographus</i>	1	3	0	3	0	0	7
	<i>Xyleborus monographus</i>	61	62	45	93	0	1	262
Dermestidae	<i>Anthrenus angustefasciatus</i>	0	0	0	0	0	1	1
	<i>Anthrenus festivus</i>	1	4	0	12	4	1	22
	<i>Anthrenus minutus</i>	0	21	1	0	0	1	23
	<i>Anthrenus munroi</i>	0	0	0	1	0	0	1
	<i>Anthrenus verbasci</i>	0	3	2	0	0	0	5
	<i>Attagenus trifasciatus</i>	0	7	2	0	1	2	12
	<i>Dermestes bicolor</i>	1	0	0	0	0	0	1
	<i>Dermestes hispanicus</i>	0	0	4	0	0	0	4
	<i>Dermestes undulatus</i>	0	0	0	0	0	1	1
	<i>Orphilus niger</i>	0	0	0	0	1	0	1
	<i>Paranovelsis aequalis</i>	0	0	2	7	0	0	9
	<i>Thorictus cf grandicollis</i>	0	0	0	2	0	0	2
	<i>Trogoderma inclusum</i>	0	0	0	0	1	0	1
Dynastidae	<i>Oryctes nasicornis</i>	0	0	0	0	0	1	1
Elateridae	<i>Ampedus aurilegulus</i>	20	18	0	6	2	0	46
	<i>Athous obsoletus</i>	0	0	0	2	0	0	2
	<i>Cardiophorus signatus</i>	0	0	0	5	2	1	8
	<i>Cnemeplatia rufa</i>	0	0	0	0	2	0	2
	<i>Ectamenogonus montandoni</i>	0	5	0	0	0	0	5
	<i>Elater ferrugineus</i>	11	7	0	4	1	0	23
	<i>Elathous platiai</i>	0	0	1	0	0	0	1
	<i>Ischnodes sanguinicollis</i>	19	13	0	0	2	0	34
	<i>Lacon punctatus</i>	2	4	0	2	4	0	12
	<i>Limoniscus violaceus</i>	0	1	0	0	1	0	2
	<i>Megapenthes lugens</i>	6	8	0	0	4	0	18
	<i>Melanotus dichrous</i>	0	0	0	0	0	2	2
	<i>Prokraerus tibialis</i>	1	7	0	3	5	0	16
Endomychidae	<i>Cholovocera formicaria</i>	0	0	0	0	0	2	2
	<i>Symbiotes gibberosus</i>	1	2	0	1	2	0	6
Eucinetidae	<i>Nycteus meridionalis</i>	1	0	0	0	0	0	1
Histeridae	<i>Abraeus perpusillus</i>	9	7	0	7	0	0	23
	<i>Aeletes atomarius</i>	0	1	0	1	0	0	2
	<i>Gnathoncus communis</i>	22	12	0	9	0	3	46
	<i>Gnathoncus nannetensis</i>	8	4	0	47	5	1	65
	<i>Hetaerius ferrugineus</i>	1	0	0	5	0	1	7
	<i>Kissister minimus</i>	0	0	6	6	0	2	14
	<i>Margarinotus merdarius</i>	4	2	3	7	4	1	21
	<i>Margarinotus uncostriatus</i>	0	0	0	11	0	0	11
	<i>Merohister ariasi</i>	1	1	3	1	0	1	7
	<i>Onthophilus sp.</i>	0	0	0	0	0	7	7
	<i>Paromalus flavicornis</i>	22	3	0	4	2	0	31
	<i>Platylomalus complanatus</i>	0	1	0	0	0	0	1
	<i>Platysoma filiforme</i>	1	1	0	8	0	0	10
Laemophloeidae	<i>Cryptolestes ferrugineus</i>	1	0	1	1	0	0	3
	<i>Laemophloeus nigricollis</i>	0	1	0	0	0	0	1
	<i>Placonotus testaceus</i>	1	1	0	0	0	0	2
Lucanidae	<i>Dorcus parallelipipedus</i>	7	9	0	3	5	0	24

	<i>Pseudolucanus barbarossa</i>	0	0	0	1	0	0	1
Melandryidae	<i>Orchesia micans</i>	1	2	0	19	5	0	27
Melyridae	<i>Anthocomus fenestratus</i>	10	1	4	5	0	0	20
	<i>Aplocnemus limbipennis</i>	0	1	0	2	1	0	4
	<i>Axinotarsus marginalis</i>	0	0	4	0	0	2	6
	<i>Falsomelyris andalusiaca</i>	0	2	0	0	0	0	2
	<i>Hypebaeus albifrons</i>	2	0	0	1	0	0	3
	<i>Mauroania bourgeoisi</i>	1	0	1	3	0	1	6
	<i>Troglops furcatus</i>	18	5	9	5	7	1	45
Mycetophagidae	<i>Litargus connexus</i>	7	2	0	0	0	0	9
	<i>Mycetophagus quadriguttatus</i>	44	4	2	14	0	0	64
Nitidulidae	<i>Amphotis marginata</i>	1	0	0	0	0	0	1
	<i>Carpophilus</i> cf. <i>dimidiatus</i>	0	0	0	1	0	0	1
	<i>Cryptarcha strigata</i>	0	0	0	1	0	0	1
	<i>Epuraea fuscicollis</i>	95	0	5	76	2	3	181
	<i>Soronia oblonga</i>	56	3	2	46	6	4	117
Oedemeridae	<i>Ischnomera xanthoderes</i>	24	14	24	23	80	7	172
Ptinidae	<i>Dignomus irroratus</i>	0	1	0	2	0	0	3
	<i>Dorcatoma agenjoi</i>	7	0	0	2	0	1	10
	<i>Mizodorcatoma dommeri</i>	0	0	0	0	1	0	1
	<i>Niptodes ferrugulus</i>	0	0	0	5	0	0	5
	<i>Oligomerus brunneus</i>	6	1	0	10	0	0	17
	<i>Ptinus bidens</i>	5	1	1	10	3	0	20
	<i>Ptinus hirticornis</i>	1	0	1	1	3	1	7
	<i>Ptinus obesus</i>	0	0	0	0	0	1	1
	<i>Ptinus pyrenaeus</i>	0	0	0	1	0	0	1
	<i>Ptinus spitzyi</i>	0	0	0	5	0	0	5
	<i>Ptinus timidus</i>	159	55	6	13	6	2	241
	<i>Rhamna semen</i>	6	3	6	93	2	2	112
	<i>Stagetus elongatus</i>	0	2	0	0	0	0	2
	<i>Stagetus micoae</i>	0	1	0	5	1	3	10
Salpingidae	<i>Salpingus tapirus</i>	0	0	0	1	0	0	1
	<i>Sphaeriestes reyi</i>	0	0	0	0	0	3	3
Scirtidae	<i>Prionocyphon serricornis</i>	13	18	11	18	118	26	204
Scraphiidae	<i>Anaspis regimbarti</i>	9	1	0	0	0	0	10
	<i>Scraptia testacea</i>	13	25	9	0	0	0	47
Silvanidae	<i>Ahasverus advena</i>	1	0	0	0	0	0	1
	<i>Airaphilus peyerimhoffi</i>	0	0	0	1	0	1	2
	<i>Oryzaeophilus surinamensis</i>	0	0	1	0	0	1	2
	<i>Silvanus bidentatus</i>	0	2	0	0	0	0	2
	<i>Uleiota planata</i>	4	1	0	0	0	0	5
Tenebrionidae	<i>Cnemeplatia rufa</i>	0	0	0	2	0	0	2
	<i>Corticeus fasciatus</i>	1	0	0	3	0	0	4
	<i>Eledonoprius armatus</i>	7	0	0	2	0	0	9
	<i>Euboeus anthracinus</i>	14	4	2	12	0	0	32
	<i>Euboeus granulatus</i>	0	0	1	1	0	2	4
	<i>Isomira hispanica</i>	0	1	8	0	1	2	12
	<i>Mycetochara linearis</i>	1	15	0	2	1	0	19
	<i>Mycetochara quadrimaculata</i>	13	27	20	40	7	2	109

	<i>Palorus subderpressus</i>	0	0	0	5	0	0	5
	<i>Prionychus ater</i>	0	0	0	1	0	0	1
	<i>Prionychus fairmairei</i>	4	8	0	0	1	0	13
	<i>Pseudocistela ceramboides</i>	13	3	0	10	0	0	26
	<i>Stenohelops sublinearis</i>	3	1	0	0	0	0	4
	<i>Tenebrio cf. codinae</i>	0	0	0	3	6	0	9
	<i>Tenebrio punctipennis</i>	24	4	0	0	0	0	28
Trogositidae	<i>Temnochila caerulea</i>	0	1	0	0	0	0	1
	<i>Tenebroides maroccanus</i>	0	1	2	0	0	0	3
Zopheridae	<i>Colydium elongatum</i>	4	1	0	10	0	0	15
	<i>Endophloeus marcovichianus</i>	11	0	0	4	0	0	15
	<i>Synchita fallax</i>	0	0	0	1	0	0	1
