

Supplementary Material S2. Species list and abundances of saproxylic beetles registered in: 2002 burned areas (2002); 2015 burned areas (2015); short-interval severe burned areas (i.e. 2002 and 2015 fires, SISF), and unburned areas in Northwest Patagonian *Araucaria-Nothofagus* Chilean forests.

Family and species/ Fire conditions	Code	2002	2015	SISF	Unburned	Total
Aderidae		3	0	0	2	5
Aderidae gen indet	ZO	0	0	0	1	1
Aderidae gen indet 2	ZO	0	0	0	1	1
<i>Dasytomorphus ruficollis</i> Fairmaire & Germain, 1863	ZO	3	0	0	0	3
Anthicidae		2	0	0	16	18
<i>Acanthius</i> sp	ZO	1	0	0	0	1
<i>Copobaenus nobilis</i> Fairmaire & Germain, 1863	ZO	1	0	0	9	10
<i>Copobaenus tristis</i> Fairmaire & Germain, 1863	ZO	0	0	0	7	7
Biphyllidae		43	0	7	8	58
Biphyllidae gen sp 1	MC	37	0	7	3	47
<i>Diplocoelus</i> sp	MC	6	0	0	5	11
Buprestidae		0	1	0	2	3
<i>Epistomentis pictus pictus</i> (Gory, 1841)	XL	0	1	0	2	3
Cantharidae		3	2	0	35	40
Cantharidae sp 1	MC	2	0	0	4	6
<i>Chauliognathus</i> sp	MC	0	2	0	5	7
<i>Hyponotum grandicolle</i> (Pic, 1928)	MC	1	0	0	26	27
Carabidae		4	1	0	9	14
Carabidae sp 1	ZO	0	1	0	0	1
Carabidae sp 2	ZO	0	0	0	1	1
Carabidae sp 4	ZO	3	0	0	1	4
Carabidae sp 5	ZO	0	0	0	1	1
Carabidae sp 6	ZO	0	0	0	1	1
Carabidae sp 7	ZO	0	0	0	1	1
Carabidae sp 8	ZO	0	0	0	1	1
Carabidae sp 9	ZO	1	0	0	0	1
<i>Mimodromites nigrotestaceus</i> (Solier, 1849)	ZO	0	0	0	3	3
Cerambycidae		16	5	6	37	64
<i>Acutandra araucana</i> (Bosq, 1951)	XL	1	0	3	6	10
<i>Azygocera picturata</i> (Fairmaire et Germain, 1864)	XL	0	0	0	1	1
<i>Estola hirsutella</i> Aurivillius, 1922	XL	0	2	0	0	2
<i>Estola kuscheli</i> Barriga, Moore & Cepeda, 2005	XL	1	0	0	0	1
<i>Grammicosum flavofasciatum</i> Blanchard, 1843	XL	3	0	2	0	5
<i>Maripanus quadrimaculatus</i> (Germain, 1892)	XL	0	0	0	2	2
<i>Microplophorus calverti</i> Philippi, 1897	XL	1	0	0	0	1
<i>Microplophorus magellanicus</i> Blanchard, 1851	XL	2	0	0	15	17
<i>Phymatoderus bizonatus</i> Blanchard, 1843	XL	3	0	0	0	3
<i>Syllitus schajovskoi</i> Bosq, 1953	XL	5	3	1	13	22
Cerylonidae		4	3	5	4	16
<i>Philothermus major</i> Grouvelle, 1898	MC	4	3	5	4	16
Ciidae		3	0	1	3	7
cf. <i>Cis</i> sp 1	MC	2	0	0	2	4
cf. <i>Cis</i> sp 2	MC	1	0	1	0	2
cf. <i>Cis</i> sp 3	MC	0	0	0	1	1
Cleridae		3	0	0	7	10
<i>Eurymetopum</i> sp	ZO	1	0	0	0	1
<i>Eurymetopum modestum</i> (Philippi & Philippi 1864)	ZO	1	0	0	1	2
<i>Neogyponyx pallidus</i> Solervicens. 1976	ZO	1	0	0	3	4

<i>Oontelus</i> sp 1	ZO	0	0	0	1	1
<i>Silviella acutipenne</i> (Spinola, 1849)	ZO	0	0	0	2	2
Corylophidae		8	2	2	7	19
Corylophidae sp 1	MC	8	2	2	7	19
Cryptophagidae		9	4	12	5	30
<i>Chiliosis</i> sp 1	MC	9	3	12	5	29
<i>Chiliosis</i> sp 2	MC	0	1	0	0	1
Curculionidae		1774	1830	221	345	4170
<i>Acalles rotundatus</i> Blanchard, 1851	XL	1	0	1	4	6
<i>Acalles</i> sp 1	XL	1	0	0	1	2
<i>Acalles varius</i> Gemminger, 1871	XL	0	0	1	4	5
<i>Anaballus cristatiger</i> Blanchard, 1851	XL	9	1	0	3	13
<i>Araucarietius viridans</i> Kuschel, 1952	XL	1	0	0	0	1
<i>Araucarius chilensis</i> Kuschel, 1966	XL	2	1	2	0	5
<i>Araucarius major</i> Kuschel, 1966	XL	3	3	1	2	9
<i>Araucarius minor</i> Kuschel, 1966	XL	1390	1731	163	31	3315
<i>Berberidicola carinatus</i> (Philippi & Philippi, 1864)	XL	0	0	0	2	2
<i>Calvertius tuberosus</i> (Fairmaire & Germain, 1860)	XL	0	3	1	0	4
Curculionidae sp	XL	0	0	1	0	1
Curculionidae sp 1	XL	0	0	0	1	1
Curculionidae sp 2	XL	0	0	0	1	1
Curculionidae sp 3	XL	0	0	0	1	1
<i>Eisingius araucariae</i> Kuschel, 2001	XL	0	0	0	4	4
<i>Eisingius chusqueae</i> (Bondar, 1949)	XL	0	0	0	1	1
<i>Gnathotrupes</i> sp 1	XL	6	45	6	75	132
<i>Gnathotrupes</i> sp 2	XL	0	0	0	1	1
<i>Gnathotrupes velatus</i> Schedl, 1975	XL	0	1	0	0	1
<i>Hybreoleptops vestitus</i> (Blanchard, 1851)	XL	1	0	0	3	4
<i>Hylaster</i> sp	XL	0	0	1	0	1
<i>Hylurgonotus armaticeps</i> Schedl, 1955	XL	41	0	1	14	56
<i>Hylurgonotus tuberculatus</i> (Eggers, 1942)	XL	96	16	38	15	165
<i>Neopsilorhinus</i> sp	XL	3	0	1	4	8
<i>Parergus axillaris</i> (Fairmaire & Germain, 1861)	XL	0	0	0	1	1
<i>Rhopalomerus tenuirostris</i> Blanchard, 1851	XL	3	0	0	0	3
<i>Rhyephenes humeralis</i> (Guérin-Ménéville, 1830)	XL	1	0	0	6	7
<i>Rhyephenes maillei</i> (Gay & Solier, 1839)	XL	0	9	1	4	14
<i>Sinophloeus antipodus</i> (Eggers, 1942)	XL	198	20	1	143	362
<i>Xyleborinus saxeseni</i> (Ratzeburg, 1837)	XL	17	0	0	24	41
<i>Xylechinosomus valdivianus</i> (Eggers, 1942)	XL	1	0	2	0	3
Dermestidae		1	0	0	1	2
<i>Trogoderma</i> sp 1	XL	1	0	0	0	1
<i>Trogoderma</i> sp 2	XL	0	0	0	1	1
Dryophthoridae		2	0	0	0	2
<i>Dryophthorus canus</i> (Philippi & Philippi, 1864)	XL	2	0	0	0	2
Elateridae		47	1	1	36	85
<i>Agriotes</i> sp	ZO	1	0	0	2	3
<i>Anaspasis solieri</i> (Fleutiaux, 1899)	ZO	0	0	0	13	13
<i>Anaspasis</i> sp	ZO	0	0	0	1	1
<i>Bedresia nigra</i> (Solier, 1851)	ZO	3	1	1	6	11
<i>Bedresia punctatosulcata</i> Solier, 1851	ZO	2	0	0	1	3
cf. <i>Anaspasis</i> sp	ZO	0	0	0	1	1
<i>Dilobitarsus sulcicollis</i> (Solier, 1851)	ZO	3	0	0	0	3
Elateridae sp 1	ZO	0	0	0	1	1

Elateridae sp 2	ZO	2	0	0	0	2
Elateridae sp 3	ZO	2	0	0	0	2
<i>Hemicrepidius</i> cf. <i>philipii</i> Valencia, 1978	ZO	0	0	0	1	1
<i>Pomachilico</i> sp	ZO	0	0	0	7	7
<i>Semiotus luteipennis</i> Guérin-Méneville, 1838	ZO	3	0	0	1	4
<i>Tibionema abdominalis</i> (Guérin-Méneville, 1838)	ZO	31	0	0	2	33
Erotylidae		18	0	9	9	36
<i>Xalpiria elsa</i> Skelley & Cekalovic, 2001	MC	11	0	9	5	25
<i>Xalpiria valdiviana</i> (Philippi & Philippi, 1864)	MC	7	0	0	4	11
Eucnemidae		0	1	0	0	1
cf. <i>Xylophilus carinifrons</i> Cobos, 1968	ZO	0	1	0	0	1
Hobartiidae		8	0	5	60	73
<i>Hobartius chilensis</i> Tomaszewska & Slipinski, 1995	MC	8	0	5	60	73
Lampyridae		18	1	2	72	93
<i>Pyractonema bifenestrata</i> Fairmaire & Germain, 1862	ZO	1	0	0	0	1
<i>Pyractonema haemorrhoea</i> Fairmaire & Germain, 1862	ZO	6	1	0	12	19
<i>Pyractonema nigripennis</i> Solier, 1849	ZO	0	0	0	20	20
<i>Pyractonema</i> sp 1	ZO	9	0	2	3	14
<i>Pyractonema</i> sp 2	ZO	0	0	0	35	35
<i>Pyractonema</i> sp 3	ZO	2	0	0	2	4
Latridiidae		573	21	37	609	1240
<i>Adistemia</i> sp	MC	0	2	0	9	11
<i>Aridius nodifer</i> Westwood, 1839	MC	1	0	2	3	6
<i>Coninomus constrictus</i> Gyllenhal, 1827	MC	4	3	0	0	7
Corticariinae sp 1	MC	6	0	0	18	24
<i>Enicmus transversithorax</i> Dajoz, 1967	MC	557	15	35	578	1185
Latridiidae sp 1	MC	1	0	0	0	1
Latridiidae sp 2	MC	1	0	0	0	1
<i>Melanophthalma seminigra</i> Belon, 1885	MC	1	0	0	0	1
<i>Melanophthalma</i> sp 1	MC	0	0	0	1	1
<i>Melanophthalma</i> sp 2	MC	1	1	0	0	2
Leiodidae		36	3	10	96	145
Leiodidae sp 1	MC	2	2	1	28	33
Leiodidae sp 3	MC	0	0	1	0	1
Leiodidae sp 4	MC	0	0	1	0	1
Leiodidae sp 5	MC	1	0	0	0	1
Leiodinae sp	MC	0	0	2	0	2
<i>Metahydriobius</i> sp	MC	1	0	0	0	1
<i>Nemadiopsis</i> sp	MC	14	0	0	16	30
<i>Neohydriobius</i> sp	MC	0	0	4	0	4
<i>Neopelatos edwardsi</i> Jeannel, 1936	MC	17	1	1	47	66
<i>Ragyttodes ocellifer</i> Jeannel, 1936	MC	0	0	0	5	5
<i>Ragyttodina tuberculosa</i> Jeannel, 1957	MC	1	0	0	0	1
Lucanidae		7	1	6	7	21
<i>Erichius costatus</i> (Benesh, 1956)	XL	0	1	0	0	1
<i>Erichius calverti</i> (Nagel, 1932)	XL	6	0	4	5	15
<i>Erichius virgatus</i> (Nagel, 1928)	XL	1	0	0	1	2
<i>Hilophyllus martinezi</i> Paulse & Mondaca, 2006	XL	0	0	1	0	1
<i>Pycnosiphorus lessonii mandibularis</i> (Solier, 1851)	XL	0	0	0	1	1
<i>Sclerostomulus tuberculatus</i> (Solier, 1851)	XL	0	0	1	0	1
Melandryidae		0	0	0	5	5
<i>Mallochira</i> sp 1	MC	0	0	0	1	1
<i>Mallochira</i> sp 2	MC	0	0	0	4	4

Melyridae		4	0	1	3	8
<i>Amecocerus</i> sp 1	ZO	0	0	0	0	0
<i>Amecocerus</i> sp 2	ZO	0	0	0	0	0
<i>Arthrobrachus quadriguttatus</i> Pic, 1919	ZO	1	0	0	0	1
<i>Arthrobrachus rufitarsis</i> Philippi & Philippi, 1864	ZO	2	0	0	0	2
<i>Hylodanacea binotata</i> (Solier, 1849)	ZO	1	0	1	0	2
Melyridae sp 1	ZO	0	0	0	3	3
Monotomidae		0	0	0	2	2
<i>Europs</i> sp	ZO	0	0	0	2	2
Mordellidae		14	2	10	15	41
<i>Mordella holosericea</i> Solier, 1851	MC	10	1	7	3	21
<i>Mordella krausei</i> Philippi & Philippi, 1864	MC	0	0	1	1	2
<i>Mordella rufoxillaris</i> Fairmaire & Germain, 1863	MC	3	1	0	1	5
<i>Mordella</i> sp 1	MC	0	0	2	5	7
Mordellidae sp	MC	1	0	0	5	6
Nitidulidae		2	0	0	16	18
<i>Cnips</i> sp 1	MC	0	0	0	3	3
<i>Cnips</i> sp 2	MC	0	0	0	1	1
Nitidulidae sp 1	MC	1	0	0	0	1
Nitidulidae sp 2	MC	1	0	0	0	1
Nitidulidae sp 3	MC	0	0	0	1	1
Nitidulidae sp 4	MC	0	0	0	7	7
Nitidulidae sp 5	MC	0	0	0	1	1
Nitidulidae sp 6	MC	0	0	0	1	1
Nitidulidae sp 7	MC	0	0	0	2	2
Oedemeridae		18	2	0	10	30
<i>Mecopselaphus maculicollis</i> Solier, 1849	XL	0	0	0	4	4
<i>Platylytra vitticollis</i> Fairmaire & Germain, 1863	XL	18	2	0	6	26
Phengodidae		0	0	0	1	1
Phengodidae sp 1	ZO	0	0	0	1	1
Protocucujidae		0	0	0	4	4
<i>Erichmodes</i> sp	MC	0	0	0	2	2
Protocucujidae gen indet sp 1	MC	0	0	0	2	2
Ptiliidae		0	73	0	0	73
<i>Smicrus</i> sp 1	MC	0	73	0	0	73
Ptinidae		46	2	21	291	360
<i>Anobium punctatum</i> (DeGeer, 1774)	XL	2	0	2	15	19
<i>Byrrhodes bimaculatus</i> (Philippi, 1864)	XL	7	2	10	11	30
<i>Caenocara nigrum</i> (Philippi, 1864)	XL	34	0	1	236	271
<i>Calymmaderus annuus</i> Pic, 1923	XL	0	0	0	1	1
<i>Calymmaderus subexplanatus</i> Pic, 1923	XL	0	0	0	1	1
<i>Hemicoelinum raventosi</i> Español, 1971	XL	1	0	0	3	4
<i>Stichtoptychus granulatus</i> (Pic, 1923)	XL	2	0	8	21	31
<i>Stichtoptychus</i> sp 1	XL	0	0	0	3	3
Pyrochroidae		0	0	0	5	5
<i>Cycloderes signaticollis</i> Fairmaire & Germain, 1861	XL	0	0	0	5	5
Salpingidae		5	4	4	17	30
<i>Lissodema glaberrima</i> Fairmaire & Germain, 1863	MC	1	0	0	0	1
Salpingidae sp 1	MC	0	2	3	0	5
Salpingidae sp 2	MC	0	1	0	0	1
<i>Vincenzellus</i> sp	MC	0	1	0	0	1
<i>Vincenzellus frigidus</i> (Fairmaire & Germain, 1863)	MC	0	0	1	0	1
<i>Vincenzellus</i> sp 2	MC	0	0	0	5	5

<i>Vincenzellus variegatus</i> (Fairmaire & Germain, 1861)	MC	4	0	0	12	16
Scarabaeidae		116	4	4	60	184
<i>Oryctomorphus bimaculatus</i> Guérin-Méneville, 1830	XL	1	4	0	1	6
Scarabaeidae sp 1	XL	0	0	0	1	1
Scarabaeidae sp 2	XL	4	0	0	0	4
Scarabaeidae sp 3	XL	0	0	0	1	1
Scarabaeidae sp 4	XL	5	0	0	10	15
Scarabaeidae sp 5	XL	18	0	0	4	22
Scarabaeidae sp7	XL	5	0	0	0	5
Scarabaeidae sp8	XL	1	0	0	0	1
<i>Sirecoides</i> sp 1	XL	16	0	0	1	17
<i>Sirecoides</i> sp 2	XL	6	0	1	4	11
<i>Sirecoides veridis</i> (Solier, 1851)	XL	60	0	3	38	101
Scirtidae		4	1	1	9	15
<i>Cyphon lunatum</i> Solier, 1849	XL	2	0	1	0	3
<i>Cyphon</i> sp 1	XL	1	1	0	1	3
<i>Cyphon</i> sp 2	XL	1	0	0	0	1
<i>Cyphon</i> sp 3	XL	0	0	0	1	1
<i>Elodes</i> sp	XL	0	0	0	4	4
Scirtidae sp 1	XL	0	0	0	1	1
Scirtidae sp 2	XL	0	0	0	1	1
Scirtidae sp 3	XL	0	0	0	1	1
Scraptiidae		1	0	0	2	3
<i>Nemacerus</i> sp	ZO	1	0	0	0	1
<i>Scraptia</i> sp	ZO	0	0	0	2	2
Sphindidae		67	3	4	33	107
<i>Protosphindus chilensis</i> Sen Gupta & Crowson, 1979	MC	67	3	4	33	107
Staphylinidae		227	304	129	186	846
<i>Achilia antennalis</i> Jeannel, 1962	ZO	2	0	0	2	4
<i>Achilia excisa</i> (Schaufuss, 1880)	ZO	3	1	1	23	28
<i>Achilia fiura</i> Kurbatov, Cuccodoro & Sabella, 2018	ZO	0	0	0	6	6
<i>Achilia</i> sp 1	ZO	8	3	0	5	16
<i>Achilia</i> sp 2	ZO	1	0	0	0	1
<i>Aleocara</i> sp	ZO	1	0	0	0	1
<i>Alloproteinus nigriceps</i> (Fauvel, 1867)	ZO	1	0	0	0	1
<i>Atheta</i> sp	ZO	0	1	1	0	2
<i>Blepharhymenus</i> sp	ZO	0	1	0	1	2
<i>Glypholoma pecki</i> Thayer & Newton, 1979	ZO	1	0	0	0	1
<i>Glypholoma pustuliferum</i> Jeannel, 1962	ZO	152	44	15	74	285
<i>Hamotus</i> sp	ZO	2	0	0	0	2
<i>Ischnothina newtoni</i> Pace, 1999	ZO	11	0	0	3	14
Leptotyphlinae sp	ZO	0	0	10	0	10
<i>Microsilpha ocelligera</i> (Champion, 1918)	ZO	0	2	78	0	80
<i>Microsilpha</i> sp 2	ZO	0	0	1	0	1
<i>Neopeltops edwardsi</i> Jeannel 1936	ZO	0	0	0	19	19
<i>Omalopsis russata</i> (Fairm. & Germ., 1861)	ZO	0	15	2	3	20
<i>Omalopsis</i> sp 1	ZO	3	8	1	2	14
Oxypodini gen sp 1	ZO	0	1	0	0	1
Oxypodini gen sp 2	ZO	1	1	0	0	2
Oxytelinae gen sp 1	ZO	5	0	0	0	5
<i>Pagla apicalis</i> (Fauvel, 1866)	ZO	3	26	1	0	30
<i>Pagla</i> sp 1	ZO	0	54	13	4	71
<i>Pagla vogeli</i> Pace, 1988	ZO	1	0	1	11	13

<i>Parapteracmes</i> sp 1	ZO	7	3	0	6	16
<i>Phloeopora newtoni</i> (Pace, 1999)	ZO	1	0	0	0	1
Pselaphinae sp 2	ZO	0	0	0	1	1
Pselaphinae sp 3	ZO	0	0	1	0	1
Pselaphinae sp 4	ZO	1	0	0	0	1
<i>Salagosa</i> sp 1	ZO	0	1	0	1	2
<i>Scydmaenus flaveolus</i> (Schaufuss, 1866)	ZO	6	3	0	5	14
Staphylinidae sp 2	ZO	5	0	0	0	5
Staphylinidae sp 3	ZO	2	0	0	0	2
Staphylinidae sp 4	ZO	0	117	3	2	122
Staphylinidae sp 5	ZO	1	0	0	0	1
Staphylinidae sp 6	ZO	1	21	0	1	23
Staphylinidae sp 7	ZO	2	0	0	0	2
Staphylinidae sp 8	ZO	1	0	0	0	1
Staphylinidae sp 9	ZO	0	0	1	0	1
Tachyporinae gen sp 1	ZO	2	0	0	7	9
Tachyporinae gen sp 2	ZO	0	0	0	3	3
<i>Tyropsis</i> sp	ZO	2	0	0	1	3
Tenebrionidae		3	0	2	0	5
<i>Heliofugus</i> sp	XL	1	0	0	0	1
Tenebrionidae sp 1	XL	2	0	2	0	4
Trogossitidae		0	0	0	7	7
<i>Acalanthis mirabilis</i> Reitter, 1876	ZO	0	0	0	2	2
<i>Acalanthis quadrisignata</i> Erichson, 1842	ZO	0	0	0	1	1
<i>Rentonium chilense</i> Crowson, 1970	ZO	0	0	0	4	4
Zopheridae		4	38	5	14	61
<i>Bitoma</i> sp	MC	0	0	0	1	1
<i>Lasconotus chilensis</i> (Grouvelle, 1898)	MC	0	2	4	7	13
<i>Notorthocerus valdivianus</i> Slipinski & Lawrence, 1999	MC	2	0	0	0	2
<i>Pristoderus flexuosus</i> (Solier, 1851)	MC	1	0	0	1	2
<i>Pristoderus regularis</i> (Kulzer, 1966)	MC	0	0	0	1	1
<i>Synchita</i> sp 1	MC	1	34	1	4	40
<i>Synchita</i> sp 2	MC	0	2	0	0	2
Total general		3093	2309	505	2050	7957