

Table S1. List of carabid beetles with number of individuals in *Pinus densiflora* forests (PF) and broad-leaved deciduous forests (BLF) in central Korea.

Scientific Name	Wing Morph ^a	Habitat Type ^b	Endemism ^c	Feeding Guild ^d	No. of Individuals			Relative Abundance (%)
					PF	BLF	Total	
<i>Acoptolabrus mirabilissimus mirabilissimus</i> Ishikawa et Deuve, 1982	B	F	E	C		1	1	0.01
<i>Agonum</i> sp.1	M	F	W	C	1	4	5	0.05
<i>Amara</i> sp.1	M	O	W	H	2	3	5	0.05
<i>Anisodactylus punctatipennis</i> Morawitz, 1862	M	O	W	H		1	1	0.01
<i>Aulonocarabus koreanus koreanus</i> Reitter, 1895	B	F	E	C	24	1	25	0.26
<i>Aulonocarabus seishinensis seishinensis</i> Lapouge, 1931	B	F	W	C		6	6	0.06
<i>Aulonocarabus semiopacus</i> Reitter, 1895	B	F	E	C	30	87	117	1.23
<i>Brachinus scotomedes</i> Redtenbacher, 1867	M	O	W	C	5	32	37	0.39
<i>Brachinus stenoderus</i> Redtenbacher, 1868	M	O	W	C		2	2	0.02
<i>Calleida lepida</i> Redtenbacher, 1868	M	O	W	C		1	1	0.01
<i>Chlaenius costiger</i> Chaudoir, 1856	M	O	W	C		9	9	0.09
<i>Chlaenius deliciolus</i> Bates, 1873	M	O	W	C		1	1	0.01
<i>Chlaenius micans</i> (Fabricius, 1792)	M	O	W	C	1	1	2	0.02
<i>Chlaenius naeviger</i> Morawitz, 1862	M	O	W	C	181	62	243	2.55
<i>Chlaenius ocreatus</i> Bates, 1873	M	O	W	C	3		3	0.03
<i>Chlaenius pictus</i> Chaudoir, 1856	M	O	W	C	2	3	5	0.05
<i>Coptolabrus jankowskii taebeagsanensis</i> Ishikawa et Kim, 1983	B	F	W	C	10	102	112	1.17
<i>Coptolabrus smaragdinus branickii</i> Taczanowski, 1888	B	F	W	C	51	6	57	0.60
<i>Coreocarabus fraterculus affinis</i> Kwon et Lee, 1984	B	F	W	C	3	21	24	0.25
<i>Cosmodiscus platynotus</i> Bates, 1873	M	F	W	C		1	1	0.01
<i>Cymindis collaris</i> Motschulsky, 1845	M	F	W	C		8	8	0.08
<i>Dicranoncus femoralis</i> Chaudoir, 1850	M	O	W	C		1	1	0.01
<i>Diplocheila zeelandica</i> (Redtenbacher, 1868)	M	O	W	C	2	2	4	0.04
<i>Dolichus coreicus</i> Jedlička, 1936	B	F	E	C		16	16	0.17
<i>Dolichus halensis halensis</i> (Schaller, 1783)	M	O	W	C		7	7	0.07
<i>Eucarabus cartereti cartereti</i> Deuve, 1982	B	F	E	C	2	416	418	4.38
<i>Galerita orientalis</i> Schmidt-Goebel, 1946	M	F	W	C		31	31	0.32
<i>Harpalus corporosus</i> (Motschulsky, 1861)	M	O	W	H		8	8	0.08
<i>Harpalus discrepans</i> Morawitz, 1862	M	O	W	H	4	30	34	0.36
<i>Harpalus eous</i> Tschitscherine, 1901	M	O	W	H		1	1	0.01
<i>Harpalus roninus</i> Bates, 1873	M	O	W	H		2	2	0.02

<i>Harpalus simplicidens</i> Schauberger, 1929	M	O	W	H		1	1	0.01
<i>Harpalus tridens</i> Morawitz, 1862	M	O	W	H		2	2	0.02
<i>Leistus niger niger</i> Gebler, 1847	M	F	W	C		8	8	0.08
<i>Leptinocarabus wulffi</i> opacipennis Reitter, 1895	B	F	E	C	11	2	13	0.14
<i>Nebria chinensis chinensis</i> Bates, 1872	M	O	W	C	14	96	110	1.15
<i>Nebria</i> sp.1	M	O	W	C		5	5	0.05
<i>Oxycentrus argutoroides</i> (Bates, 1873)	M	O	W	H	2		2	0.02
<i>Pentagonica subcordicollis</i> Bates, 1873	M	F	W	C		1	1	0.01
<i>Pheropsophus jessoensis</i> Morawitz, 1862	M	O	W	C	8	5	13	0.14
<i>Planetes puncticeps</i> Andrewes, 1919	M	F	W	C	1		1	0.01
<i>Poecilus nemotoi</i> (Straneo, 1989)	M	O	E	C		1	1	0.01
<i>Pristosia vigil</i> (Tschitschéline, 1895)	B	F	E	C	2	77	79	0.83
<i>Pterostichus audax</i> Tschitschéline, 1895	B	F	E	C		43	43	0.45
<i>Pterostichus bellatrix bellatrix</i> Tschitschéline, 1895	B	F	E	C		17	17	0.18
<i>Pterostichus bifoveolatus</i> Park et Kwon, 1996	B	F	E	C		2	2	0.02
<i>Pterostichus ishikawai</i> Nemoto, 1988	B	F	E	C	15	29	44	0.46
<i>Pterostichus microcephalus</i> (Motschulsky, 1860)	M	O	W	C	14		14	0.15
<i>Pterostichus orientalis orientalis</i> Motschulsky, 1845	B	F	W	C	43	92	135	1.41
<i>Pterostichus scurrus</i> (Tschitschéline, 1901)	B	F	E	C		9	9	0.09
<i>Pterostichus solskyi</i> Chaudoir, 1878	B	F	W	C	11		11	0.12
<i>Pterostichus subovatus</i> (Motschulsky, 1860)	B	F	W	C		8	8	0.08
<i>Pterostichus vicinus</i> Park et Kwon, 1996	B	F	E	C		58	58	0.61
<i>Stenolophus fulvicornis</i> Bates, 1873	M	O	W	H		1	1	0.01
<i>Stenolophus</i> sp.1	M	O	W	H		1	1	0.01
<i>Synuchus arcuaticollis</i> Motschulsky, 1860	M	F	W	C	14	1	15	0.16
<i>Synuchus crocatus</i> (Bates, 1883)	B	F	W	C	3	37	40	0.42
<i>Synuchus cycloderus</i> (Bates, 1873)	M	F	W	C	2103	484	2587	27.11
<i>Synuchus intermedius</i> Lindroth, 1956	B	F	W	C		3	3	0.03
<i>Synuchus melantho</i> (Bates, 1883)	B	F	W	C	81	127	208	2.18
<i>Synuchus nitidus</i> (Motschulsky, 1861)	M	F	W	C	3002	886	3888	40.75
<i>Synuchus orbicollis</i> (Morawitz, 1862)	B	F	W	C	76	83	159	1.67
<i>Synuchus</i> sp.1	B	F	W	C	218	607	825	8.65
<i>Synuchus</i> sp.2	B	F	W	C	1		1	0.01
<i>Trichotichmus</i> sp.1	B	F	W	H	5	42	47	0.49
<i>Trigonognatha coreana</i> (Tschitschéline, 1895)	M	F	W	C	2		2	0.02

^a Abbreviations of wing morph: B, brachypterous species; D, dimorphic species; M, macropterous species; ^b Abbreviations of habitat type: F, forest specialists; O, open-habitat species; ^c Endemic to Korea including South and North Korea according to Park and Paik (2001), Löbl and Smetana (2003): Abbreviations of endemism: E, endemic to Korea; W, widespread species; ^d Abbreviations of feeding guild: C, carnivorous; H, herbivorous.