

Supplementary material

Relationships between livestock damages and large carnivore densities in Sweden

Fredrik Dalerum^{1,2,3*}, Liam O. K. Selby⁴, Christian W. W. Pirk⁴

¹ *Research Unit of Biodiversity (UMIB, UO-PA-CSIC), University of Oviedo, Mieres, 33600 Mieres, Asturias, Spain*

² *Department of Zoology, Stockholm University, 106 91 Stockholm, Sweden*

³ *Mammal Research Institute, Department of Zoology and Entomology, University of Pretoria, Private Bag X20, Hatfield, 0028 South Africa*

⁴ *Department of Zoology and Entomology, University of Pretoria, Private Bag X20, Hatfield, 0028 South Africa*

*** Correspondence:**

Fredrik Dalerum
dalerumjohan@uniovi.es

Table S1. Estimated number of brown bears (*Ursus arctos*) per year as well as the reported number of family groups of Eurasian lynx (*Lynx lynx*) and packs or territorial pairs of gray wolves (*Canis lupus*).

Year	Area	Region	Bears	Lynx	Wolves
1999	Sweden	National	2126	339.0	6.8
2000	Sweden	National	2554	336.0	7.8
2001	Sweden	National	3016	329.0	10.3
2002	Sweden	National	2728	117.0	11.8
2003	Sweden	National	3086	100.0	11.0
2004	Sweden	National	3389	142.0	15.3
2005	Sweden	National	3921	172.0	19.6
2006	Sweden	National	3099	190.0	24.7
2007	Sweden	National	4773	229.0	27.0
2008	Sweden	National	4451	257.0	39.0
2009	Sweden	National	4023	240.5	38.5
2010	Sweden	National	3764	212.0	39.5
2011	Sweden	National	3977	286.0	47.7
2012	Sweden	National	3279	211.0	52.0
2013	Sweden	National	3009	274.0	53.5
2014	Sweden	National	3146	240.0	57.5
2015	Sweden	National	3264	191.0	57.0
2016	Sweden	National	3129	221.5	56.5
2017	Sweden	National	3335	205.5	58.0
2018	Sweden	National	3967	204.5	56.0
1999	Northern region	Northern region	1600	168.0	1.0
2000	Northern region	Northern region	2212	150.0	0.0
2001	Northern region	Northern region	2650	149.0	0.0
2002	Northern region	Northern region	2280	114.0	0.0
2003	Northern region	Northern region	2619	99.0	0.0
2004	Northern region	Northern region	2859	66.5	1.0
2005	Northern region	Northern region	3395	94.5	0.5
2006	Northern region	Northern region	2582	86.0	0.5
2007	Northern region	Northern region	3183	102.5	0.5
2008	Northern region	Northern region	3410	109.5	1.5
2009	Northern region	Northern region	2855	102.5	0.5
2010	Northern region	Northern region	2422	140.5	1.7
2011	Northern region	Northern region	2507	148.5	3.2
2012	Northern region	Northern region	2452	114.5	1.5
2013	Northern region	Northern region	2133	139.5	4.3
2014	Northern region	Northern region	2202	132.0	3.2
2015	Northern region	Northern region	2321	80.5	1.0
2016	Northern region	Northern region	2066	112.0	3.1
2017	Northern region	Northern region	2319	109.5	3.1
2018	Northern region	Northern region	2830	95.0	1.0

1999	Central region	Central region	527	171.0	5.3
2000	Central region	Central region	342	180.0	7.3
2001	Central region	Central region	366	170.0	9.3
2002	Central region	Central region	448	3.0	10.7
2003	Central region	Central region	466	1.0	9.2
2004	Central region	Central region	530	55.0	12.8
2005	Central region	Central region	525	50.5	17.6
2006	Central region	Central region	517	83.0	21.2
2007	Central region	Central region	1590	91.0	24.5
2008	Central region	Central region	1040	124.0	31.7
2009	Central region	Central region	1168	108.5	32.5
2010	Central region	Central region	1343	55.0	34.8
2011	Central region	Central region	1471	115.0	41.7
2012	Central region	Central region	827	69.5	49.5
2013	Central region	Central region	876	109.0	47.3
2014	Central region	Central region	944	78.5	51.3
2015	Central region	Central region	943	78.0	54.0
2016	Central region	Central region	1063	85.0	53.3
2017	Central region	Central region	1016	72.0	54.8
2018	Central region	Central region	1138	75.5	51.6
1999	Southern region	Southern region	0	5.0	0.5
2000	Southern region	Southern region	0	6.0	0.5
2001	Southern region	Southern region	0	10.0	1.0
2002	Southern region	Southern region	0	0.0	1.0
2003	Southern region	Southern region	0	0.0	1.8
2004	Southern region	Southern region	0	20.5	1.5
2005	Southern region	Southern region	0	27.0	1.5
2006	Southern region	Southern region	0	21.0	3.0
2007	Southern region	Southern region	0	25.5	2.0
2008	Southern region	Southern region	0	23.5	5.8
2009	Southern region	Southern region	0	29.5	5.5
2010	Southern region	Southern region	0	16.5	3.0
2011	Southern region	Southern region	0	22.5	2.8
2012	Southern region	Southern region	0	27.0	1.0
2013	Southern region	Southern region	0	25.5	1.8
2014	Southern region	Southern region	0	29.5	3.0
2015	Southern region	Southern region	0	32.5	2.0
2016	Southern region	Southern region	0	24.5	0.0
2017	Southern region	Southern region	0	24.0	0.0
2018	Southern region	Southern region	0	34.0	3.5
1999	Blekinge	Southern region	0	0.0	0.0
2000	Blekinge	Southern region	0	0.0	0.0
2001	Blekinge	Southern region	0	0.0	0.0
2002	Blekinge	Southern region	0	0.0	0.0
2003	Blekinge	Southern region	0	0.0	0.0

2004	Blekinge	Southern region	0	1.0	0.0
2005	Blekinge	Southern region	0	1.5	0.0
2006	Blekinge	Southern region	0	0.0	0.0
2007	Blekinge	Southern region	0	0.0	0.0
2008	Blekinge	Southern region	0	1.0	0.0
2009	Blekinge	Southern region	0	2.0	0.0
2010	Blekinge	Southern region	0	1.0	0.0
2011	Blekinge	Southern region	0	1.0	0.0
2012	Blekinge	Southern region	0	0.3	0.0
2013	Blekinge	Southern region	0	0.0	0.0
2014	Blekinge	Southern region	0	0.5	0.0
2015	Blekinge	Southern region	0	2.0	0.0
2016	Blekinge	Southern region	0	1.5	0.0
2017	Blekinge	Southern region	0	2.5	0.0
2018	Blekinge	Southern region	0	1.8	0.0
1999	Dalarna	Central region	338	5.0	2.0
2000	Dalarna	Central region	106	52.0	2.5
2001	Dalarna	Central region	75	42.0	3.0
2002	Dalarna	Central region	80	3.0	2.8
2003	Dalarna	Central region	54	1.0	1.8
2004	Dalarna	Central region	96	6.5	2.5
2005	Dalarna	Central region	129	10.5	4.5
2006	Dalarna	Central region	112	22.0	8.0
2007	Dalarna	Central region	808	0.0	8.3
2008	Dalarna	Central region	421	33.8	12.2
2009	Dalarna	Central region	447	30.0	11.2
2010	Dalarna	Central region	526	22.0	13.2
2011	Dalarna	Central region	795	19.3	15.8
2012	Dalarna	Central region	507	12.0	20.8
2013	Dalarna	Central region	582	13.0	13.5
2014	Dalarna	Central region	443	18.0	14.8
2015	Dalarna	Central region	482	15.0	14.2
2016	Dalarna	Central region	386	11.0	16.7
2017	Dalarna	Central region	381	12.0	16.7
2018	Dalarna	Central region	464	6.5	9.8
1999	Gävleborg	Central region	169	0.0	0.0
2000	Gävleborg	Central region	232	35.0	0.0
2001	Gävleborg	Central region	271	33.0	1.0
2002	Gävleborg	Central region	356	0.0	1.5
2003	Gävleborg	Central region	402	0.0	1.0
2004	Gävleborg	Central region	413	13.0	1.5
2005	Gävleborg	Central region	378	12.5	3.5
2006	Gävleborg	Central region	366	7.0	3.5
2007	Gävleborg	Central region	760	0.0	4.5
2008	Gävleborg	Central region	580	23.0	6.0

2009	Gävleborg	Central region	707	19.0	4.0
2010	Gävleborg	Central region	808	10.5	4.8
2011	Gävleborg	Central region	665	16.3	5.3
2012	Gävleborg	Central region	312	7.5	3.0
2013	Gävleborg	Central region	287	16.0	3.0
2014	Gävleborg	Central region	496	19.0	4.3
2015	Gävleborg	Central region	439	19.0	5.2
2016	Gävleborg	Central region	654	19.5	7.3
2017	Gävleborg	Central region	631	17.5	6.8
2018	Gävleborg	Central region	667	12.5	7.0
1999	Halland	Southern region	0	0.0	0.0
2000	Halland	Southern region	0	0.0	0.0
2001	Halland	Southern region	0	0.0	0.0
2002	Halland	Southern region	0	0.0	0.0
2003	Halland	Southern region	0	0.0	0.0
2004	Halland	Southern region	0	2.5	0.0
2005	Halland	Southern region	0	1.0	0.0
2006	Halland	Southern region	0	1.0	0.0
2007	Halland	Southern region	0	0.0	0.0
2008	Halland	Southern region	0	2.0	0.0
2009	Halland	Southern region	0	1.5	0.0
2010	Halland	Southern region	0	4.0	0.0
2011	Halland	Southern region	0	2.0	0.0
2012	Halland	Southern region	0	2.5	0.0
2013	Halland	Southern region	0	1.5	0.0
2014	Halland	Southern region	0	2.0	0.0
2015	Halland	Southern region	0	3.0	0.0
2016	Halland	Southern region	0	3.5	0.0
2017	Halland	Southern region	0	1.5	0.0
2018	Halland	Southern region	0	1.5	0.0
1999	Jämtland	Northern region	365	84.0	0.5
2000	Jämtland	Northern region	732	63.0	0.0
2001	Jämtland	Northern region	1018	49.0	0.0
2002	Jämtland	Northern region	862	44.0	0.0
2003	Jämtland	Northern region	764	39.0	0.0
2004	Jämtland	Northern region	1124	20.0	1.0
2005	Jämtland	Northern region	1183	33.0	0.0
2006	Jämtland	Northern region	925	32.5	0.0
2007	Jämtland	Northern region	1232	0.0	0.0
2008	Jämtland	Northern region	1379	44.5	1.0
2009	Jämtland	Northern region	1125	42.5	0.5
2010	Jämtland	Northern region	1057	53.0	1.3
2011	Jämtland	Northern region	1108	53.0	2.3
2012	Jämtland	Northern region	787	35.5	1.0
2013	Jämtland	Northern region	821	39.0	3.3
2014	Jämtland	Northern region	1080	30.5	1.8
2015	Jämtland	Northern region	879	14.0	0.7

2016	Jämtland	Northern region	747	38.5	2.3
2017	Jämtland	Northern region	960	35.5	2.8
2018	Jämtland	Northern region	1140	32.0	1.0
1999	Jönköping	Southern region	0	0.0	0.0
2000	Jönköping	Southern region	0	0.0	0.0
2001	Jönköping	Southern region	0	0.0	0.0
2002	Jönköping	Southern region	0	0.0	0.0
2003	Jönköping	Southern region	0	0.0	0.0
2004	Jönköping	Southern region	0	2.0	0.0
2005	Jönköping	Southern region	0	4.5	0.0
2006	Jönköping	Southern region	0	0.0	0.0
2007	Jönköping	Southern region	0	0.0	0.0
2008	Jönköping	Southern region	0	1.0	0.0
2009	Jönköping	Southern region	0	0.0	0.0
2010	Jönköping	Southern region	0	0.0	0.0
2011	Jönköping	Southern region	0	1.0	0.0
2012	Jönköping	Southern region	0	2.0	0.0
2013	Jönköping	Southern region	0	0.5	0.0
2014	Jönköping	Southern region	0	1.5	0.0
2015	Jönköping	Southern region	0	2.0	0.0
2016	Jönköping	Southern region	0	4.0	0.0
2017	Jönköping	Southern region	0	3.5	0.0
2018	Jönköping	Southern region	0	6.5	0.0
1999	Kalmar	Southern region	0	0.0	0.0
2000	Kalmar	Southern region	0	0.0	0.0
2001	Kalmar	Southern region	0	0.0	0.0
2002	Kalmar	Southern region	0	0.0	0.0
2003	Kalmar	Southern region	0	0.0	0.0
2004	Kalmar	Southern region	0	3.0	0.0
2005	Kalmar	Southern region	0	5.0	0.0
2006	Kalmar	Southern region	0	0.0	0.0
2007	Kalmar	Southern region	0	0.0	0.0
2008	Kalmar	Southern region	0	1.0	0.0
2009	Kalmar	Southern region	0	1.0	0.0
2010	Kalmar	Southern region	0	1.0	0.0
2011	Kalmar	Southern region	0	2.0	0.0
2012	Kalmar	Southern region	0	1.0	0.0
2013	Kalmar	Southern region	0	1.0	0.0
2014	Kalmar	Southern region	0	4.5	0.0
2015	Kalmar	Southern region	0	4.0	0.0
2016	Kalmar	Southern region	0	5.0	0.0
2017	Kalmar	Southern region	0	6.5	0.0
2018	Kalmar	Southern region	0	8.5	0.0
1999	Kronoberg	Southern region	0	0.0	0.0
2000	Kronoberg	Southern region	0	0.0	0.0
2001	Kronoberg	Southern region	0	0.0	0.0
2002	Kronoberg	Southern region	0	0.0	0.0

2003	Kronoberg	Southern region	0	0.0	0.0
2004	Kronoberg	Southern region	0	0.5	0.0
2005	Kronoberg	Southern region	0	2.0	0.0
2006	Kronoberg	Southern region	0	0.0	0.0
2007	Kronoberg	Southern region	0	0.0	0.0
2008	Kronoberg	Southern region	0	0.0	0.0
2009	Kronoberg	Southern region	0	0.0	0.0
2010	Kronoberg	Southern region	0	0.0	0.0
2011	Kronoberg	Southern region	0	0.0	0.0
2012	Kronoberg	Southern region	0	1.8	0.0
2013	Kronoberg	Southern region	0	0.0	0.0
2014	Kronoberg	Southern region	0	0.0	0.0
2015	Kronoberg	Southern region	0	1.0	0.0
2016	Kronoberg	Southern region	0	2.5	0.0
2017	Kronoberg	Southern region	0	2.0	0.0
2018	Kronoberg	Southern region	0	3.8	0.0
1999	Norrbottn	Northern region	981	37.0	0.0
2000	Norrbottn	Northern region	1070	23.0	0.0
2001	Norrbottn	Northern region	1172	34.0	0.0
2002	Norrbottn	Northern region	1008	39.0	0.0
2003	Norrbottn	Northern region	1275	32.0	0.0
2004	Norrbottn	Northern region	1147	17.0	0.0
2005	Norrbottn	Northern region	1530	32.0	0.0
2006	Norrbottn	Northern region	1248	25.5	0.0
2007	Norrbottn	Northern region	1308	0.0	0.0
2008	Norrbottn	Northern region	1379	23.0	0.0
2009	Norrbottn	Northern region	1171	24.5	0.0
2010	Norrbottn	Northern region	921	33.5	0.0
2011	Norrbottn	Northern region	792	37.0	0.0
2012	Norrbottn	Northern region	990	33.0	0.0
2013	Norrbottn	Northern region	741	44.0	0.3
2014	Norrbottn	Northern region	622	41.0	0.0
2015	Norrbottn	Northern region	639	30.0	0.0
2016	Norrbottn	Northern region	506	28.0	0.0
2017	Norrbottn	Northern region	628	27.5	0.0
2018	Norrbottn	Northern region	812	16.0	0.0
1999	Örebro	Central region	0	0.0	0.0
2000	Örebro	Central region	11	18.0	1.5
2001	Örebro	Central region	0	19.0	1.0
2002	Örebro	Central region	0	0.0	0.8
2003	Örebro	Central region	0	0.0	2.2
2004	Örebro	Central region	0	9.5	3.0
2005	Örebro	Central region	0	6.5	2.5
2006	Örebro	Central region	0	7.0	2.0
2007	Örebro	Central region	0	0.0	3.8
2008	Örebro	Central region	23	12.3	3.0
2009	Örebro	Central region	10	12.5	2.7

2010	Örebro	Central region	10	7.0	1.7
2011	Örebro	Central region	0	11.8	4.3
2012	Örebro	Central region	0	7.0	6.3
2013	Örebro	Central region	0	12.5	6.8
2014	Örebro	Central region	0	13.5	8.8
2015	Örebro	Central region	0	12.0	8.3
2016	Örebro	Central region	0	7.5	5.2
2017	Örebro	Central region	0	8.0	7.2
2018	Örebro	Central region	0	10.0	6.8
1999	Östergötland	Southern region	0	0.0	0.0
2000	Östergötland	Southern region	0	0.0	0.0
2001	Östergötland	Southern region	0	2.0	0.0
2002	Östergötland	Southern region	0	0.0	0.0
2003	Östergötland	Southern region	0	0.0	0.0
2004	Östergötland	Southern region	0	3.5	0.0
2005	Östergötland	Southern region	0	1.5	0.0
2006	Östergötland	Southern region	0	2.0	0.0
2007	Östergötland	Southern region	0	0.0	0.0
2008	Östergötland	Southern region	0	0.5	0.0
2009	Östergötland	Southern region	0	2.0	0.0
2010	Östergötland	Southern region	0	0.0	0.0
2011	Östergötland	Southern region	0	1.0	0.0
2012	Östergötland	Southern region	0	0.0	0.0
2013	Östergötland	Southern region	0	2.5	0.0
2014	Östergötland	Southern region	0	3.0	0.0
2015	Östergötland	Southern region	0	3.5	0.0
2016	Östergötland	Southern region	0	6.0	0.0
2017	Östergötland	Southern region	0	5.5	0.0
2018	Östergötland	Southern region	0	7.5	1.0
1999	Skåne	Southern region	0	0.0	0.0
2000	Skåne	Southern region	0	0.0	0.0
2001	Skåne	Southern region	0	0.0	0.0
2002	Skåne	Southern region	0	0.0	0.0
2003	Skåne	Southern region	0	0.0	0.0
2004	Skåne	Southern region	0	0.0	0.0
2005	Skåne	Southern region	0	0.5	0.0
2006	Skåne	Southern region	0	0.0	0.0
2007	Skåne	Southern region	0	0.0	0.0
2008	Skåne	Southern region	0	0.0	0.0
2009	Skåne	Southern region	0	0.0	0.0
2010	Skåne	Southern region	0	0.0	0.0
2011	Skåne	Southern region	0	1.0	0.0
2012	Skåne	Southern region	0	0.8	0.0
2013	Skåne	Southern region	0	0.0	0.0
2014	Skåne	Southern region	0	0.0	0.0
2015	Skåne	Southern region	0	0.0	0.0
2016	Skåne	Southern region	0	0.5	0.0

2017	Skåne	Southern region	0	0.5	0.0
2018	Skåne	Southern region	0	1.3	0.0
1999	Södermanland	Southern region	0	0.0	0.0
2000	Södermanland	Southern region	0	0.0	0.0
2001	Södermanland	Southern region	0	0.0	0.0
2002	Södermanland	Southern region	0	0.0	0.0
2003	Södermanland	Southern region	0	0.0	0.0
2004	Södermanland	Southern region	0	1.0	0.0
2005	Södermanland	Southern region	0	1.0	0.0
2006	Södermanland	Southern region	0	0.0	0.0
2007	Södermanland	Southern region	0	0.0	0.0
2008	Södermanland	Southern region	0	3.0	0.0
2009	Södermanland	Southern region	0	3.0	0.0
2010	Södermanland	Southern region	0	1.0	0.0
2011	Södermanland	Southern region	0	2.0	0.0
2012	Södermanland	Southern region	0	2.0	0.0
2013	Södermanland	Southern region	0	1.0	0.0
2014	Södermanland	Southern region	0	2.0	0.0
2015	Södermanland	Southern region	0	2.0	0.0
2016	Södermanland	Southern region	0	1.5	0.0
2017	Södermanland	Southern region	0	2.0	0.0
2018	Södermanland	Southern region	0	3.0	2.5
1999	Stockholm	Central region	0	0.0	0.0
2000	Stockholm	Central region	0	0.0	0.0
2001	Stockholm	Central region	0	0.0	0.0
2002	Stockholm	Central region	0	0.0	0.0
2003	Stockholm	Central region	0	0.0	0.0
2004	Stockholm	Central region	0	2.5	0.0
2005	Stockholm	Central region	0	2.0	0.0
2006	Stockholm	Central region	0	1.5	0.0
2007	Stockholm	Central region	0	0.0	0.0
2008	Stockholm	Central region	0	0.5	0.0
2009	Stockholm	Central region	0	1.0	0.0
2010	Stockholm	Central region	0	0.0	1.0
2011	Stockholm	Central region	0	4.5	1.0
2012	Stockholm	Central region	0	4.0	1.0
2013	Stockholm	Central region	0	7.0	1.0
2014	Stockholm	Central region	0	3.5	0.0
2015	Stockholm	Central region	0	2.0	1.0
2016	Stockholm	Central region	0	4.5	0.0
2017	Stockholm	Central region	0	3.5	0.0
2018	Stockholm	Central region	0	5.0	0.5
1999	Uppsala	Central region	0	0.0	0.0
2000	Uppsala	Central region	0	10.0	0.0
2001	Uppsala	Central region	0	8.0	0.0
2002	Uppsala	Central region	0	0.0	0.0
2003	Uppsala	Central region	0	0.0	0.0

2004	Uppsala	Central region	0	11.5	0.0
2005	Uppsala	Central region	0	11.0	0.0
2006	Uppsala	Central region	0	9.0	0.0
2007	Uppsala	Central region	0	0.0	0.0
2008	Uppsala	Central region	0	14.5	0.0
2009	Uppsala	Central region	0	13.5	0.0
2010	Uppsala	Central region	0	11.0	0.0
2011	Uppsala	Central region	0	29.3	0.0
2012	Uppsala	Central region	0	23.5	0.0
2013	Uppsala	Central region	0	27.5	0.0
2014	Uppsala	Central region	0	17.0	0.0
2015	Uppsala	Central region	0	12.5	0.5
2016	Uppsala	Central region	0	13.5	0.5
2017	Uppsala	Central region	0	7.0	0.5
2018	Uppsala	Central region	0	11.5	0.5
1999	Värmland	Central region	20	0.0	3.3
2000	Värmland	Central region	4	49.0	3.3
2001	Värmland	Central region	20	50.0	4.3
2002	Värmland	Central region	13	0.0	5.6
2003	Värmland	Central region	10	0.0	4.2
2004	Värmland	Central region	21	9.0	5.3
2005	Värmland	Central region	19	4.5	6.6
2006	Värmland	Central region	39	35.0	7.2
2007	Värmland	Central region	23	0.0	7.3
2008	Värmland	Central region	39	26.3	9.7
2009	Värmland	Central region	14	25.5	13.8
2010	Värmland	Central region	9	0.5	12.3
2011	Värmland	Central region	11	23.0	11.8
2012	Värmland	Central region	7	12.0	14.3
2013	Värmland	Central region	8	20.5	20.0
2014	Värmland	Central region	6	6.5	20.0
2015	Värmland	Central region	22	12.0	19.8
2016	Värmland	Central region	23	11.0	20.3
2017	Värmland	Central region	4	9.0	18.8
2018	Värmland	Central region	7	12.5	21.0
1999	Västerbotten	Northern region	157	36.0	0.0
2000	Västerbotten	Northern region	286	34.0	0.0
2001	Västerbotten	Northern region	357	38.0	0.0
2002	Västerbotten	Northern region	283	29.0	0.0
2003	Västerbotten	Northern region	446	24.0	0.0
2004	Västerbotten	Northern region	365	13.5	0.0
2005	Västerbotten	Northern region	408	13.5	0.0
2006	Västerbotten	Northern region	257	21.0	0.0
2007	Västerbotten	Northern region	427	0.0	0.0
2008	Västerbotten	Northern region	376	31.0	0.0
2009	Västerbotten	Northern region	337	23.0	0.0
2010	Västerbotten	Northern region	283	37.5	0.0

2011	Västerbotten	Northern region	287	41.0	0.0
2012	Västerbotten	Northern region	397	28.0	0.0
2013	Västerbotten	Northern region	337	32.0	0.3
2014	Västerbotten	Northern region	309	34.5	0.0
2015	Västerbotten	Northern region	502	22.5	0.0
2016	Västerbotten	Northern region	436	27.5	0.0
2017	Västerbotten	Northern region	374	27.0	0.0
2018	Västerbotten	Northern region	521	27.5	0.0
1999	Västernorrland	Northern region	98	11.0	0.5
2000	Västernorrland	Northern region	125	30.0	0.0
2001	Västernorrland	Northern region	102	28.0	0.0
2002	Västernorrland	Northern region	126	2.0	0.0
2003	Västernorrland	Northern region	135	4.0	0.0
2004	Västernorrland	Northern region	223	16.0	0.0
2005	Västernorrland	Northern region	274	16.0	0.5
2006	Västernorrland	Northern region	152	7.0	0.5
2007	Västernorrland	Northern region	216	0.0	0.5
2008	Västernorrland	Northern region	276	11.0	0.5
2009	Västernorrland	Northern region	221	12.5	0.0
2010	Västernorrland	Northern region	160	16.5	0.3
2011	Västernorrland	Northern region	319	17.5	0.8
2012	Västernorrland	Northern region	278	18.0	0.5
2013	Västernorrland	Northern region	234	24.5	0.3
2014	Västernorrland	Northern region	192	26.0	1.3
2015	Västernorrland	Northern region	301	14.0	0.3
2016	Västernorrland	Northern region	377	18.0	0.8
2017	Västernorrland	Northern region	358	19.5	0.3
2018	Västernorrland	Northern region	357	19.5	0.0
1999	Västmanland	Central region	0	0.0	0.0
2000	Västmanland	Central region	0	16.0	0.0
2001	Västmanland	Central region	0	18.0	0.0
2002	Västmanland	Central region	0	0.0	0.0
2003	Västmanland	Central region	0	0.0	0.0
2004	Västmanland	Central region	0	3.0	0.5
2005	Västmanland	Central region	0	3.5	0.5
2006	Västmanland	Central region	0	1.5	0.5
2007	Västmanland	Central region	0	0.0	0.5
2008	Västmanland	Central region	0	13.5	0.8
2009	Västmanland	Central region	0	7.0	0.8
2010	Västmanland	Central region	0	4.0	1.8
2011	Västmanland	Central region	0	10.7	3.3
2012	Västmanland	Central region	0	3.5	4.0
2013	Västmanland	Central region	0	12.5	3.0
2014	Västmanland	Central region	0	1.0	3.3
2015	Västmanland	Central region	0	5.5	5.0
2016	Västmanland	Central region	0	5.5	3.3
2017	Västmanland	Central region	0	5.0	4.3

2018	Västmanland	Central region	0	6.0	4.8
1999	Västra Götaland	Central region	0	0.0	0.5
2000	Västra Götaland	Central region	0	6.0	0.5
2001	Västra Götaland	Central region	0	8.0	1.0
2002	Västra Götaland	Central region	0	0.0	1.0
2003	Västra Götaland	Central region	0	0.0	1.8
2004	Västra Götaland	Central region	0	7.0	1.5
2005	Västra Götaland	Central region	0	10.0	1.5
2006	Västra Götaland	Central region	0	18.0	3.0
2007	Västra Götaland	Central region	0	0.0	2.0
2008	Västra Götaland	Central region	0	15.0	5.8
2009	Västra Götaland	Central region	0	20.0	5.5
2010	Västra Götaland	Central region	0	9.5	3.0
2011	Västra Götaland	Central region	0	12.5	2.8
2012	Västra Götaland	Central region	0	16.5	1.0
2013	Västra Götaland	Central region	0	19.0	1.8
2014	Västra Götaland	Central region	0	16.0	3.0
2015	Västra Götaland	Central region	0	15.0	2.0
2016	Västra Götaland	Central region	0	12.5	0.0
2017	Västra Götaland	Central region	0	10.0	0.5
2018	Västra Götaland	Central region	0	11.5	1.0

Table S2. Number of years with recorded damages to cattle, sheep and domestic dogs by brown bears (*Ursus arctos*), Eurasian lynx (*Lynx lynx*), and gray wolf (*Canis lupus*), nationally in Sweden, for each of Sweden's three large carnivore management regions, as well as for each county. Regions or counties that experienced less than 3 years with damages were excluded from statistical analyses.

	Region	Bear			Lynx			Wolf		
		Cattle damages	Sheep damages	Dog damages	Cattle damages	Sheep damages	Dog damages	Cattle damages	Sheep damages	Dog damages
Sweden	National	17	16	15	16	20	16	19	20	16
Northern region	Northern region	10	19	11	3	18	16	4	10	11
Central region	Central region	12	20	11	11	20	16	18	20	16
Southern region	Southern region	0	0	0	9	17	7	10	18	3
Blekinge	Southern region	0	0	0	0	4	0	1	4	0
Dalarna	Central region	9	18	6	6	11	3	8	20	16
Gävleborg	Central region	6	13	8	5	11	2	4	14	15
Halland	Southern region	0	0	0	2	8	2	4	9	1
Jämtland	Northern region	7	17	11	1	7	3	3	5	7
Jönköping	Southern region	0	0	0	4	7	1	1	5	1
Kalmar	Southern region	0	0	0	0	7	1	1	4	0
Kronoberg	Southern region	0	0	0	0	5	1	1	11	0
Norrbottn	Northern region	1	8	1	0	0	1	0	1	2
Örebro	Central region	0	1	1	0	11	1	5	15	10
Östergötland	Southern region	0	0	0	0	6	1	2	4	0
Skåne	Southern region	0	0	0	0	5	0	0	4	1
Södermanland	Southern region	0	0	0	1	5	1	1	4	1
Stockholm	Central region	0	0	0	0	11	1	2	9	6
Uppsala	Central region	0	0	0	1	10	2	0	10	4
Värmland	Central region	0	3	2	3	9	6	9	17	16
Västerbotten	Northern region	1	13	1	1	3	2	0	5	4
Västernorrland	Northern region	3	7	2	1	12	1	1	2	4
Västmanland	Central region	0	0	0	0	10	2	1	13	8
Västra Götaland	Central region	1	1	0	5	14	4	7	18	15