

Supplementary Information

Biogeography and conservation of mammals from the West Sahara-Sahel: an application of ecological niche-based models and GIS

Vale C.G., Campos J.C., Silva T.L., Gonçalves D.V., Sow A.S., Martínez-Freiría F., Boratyński Z., Brito J.C.

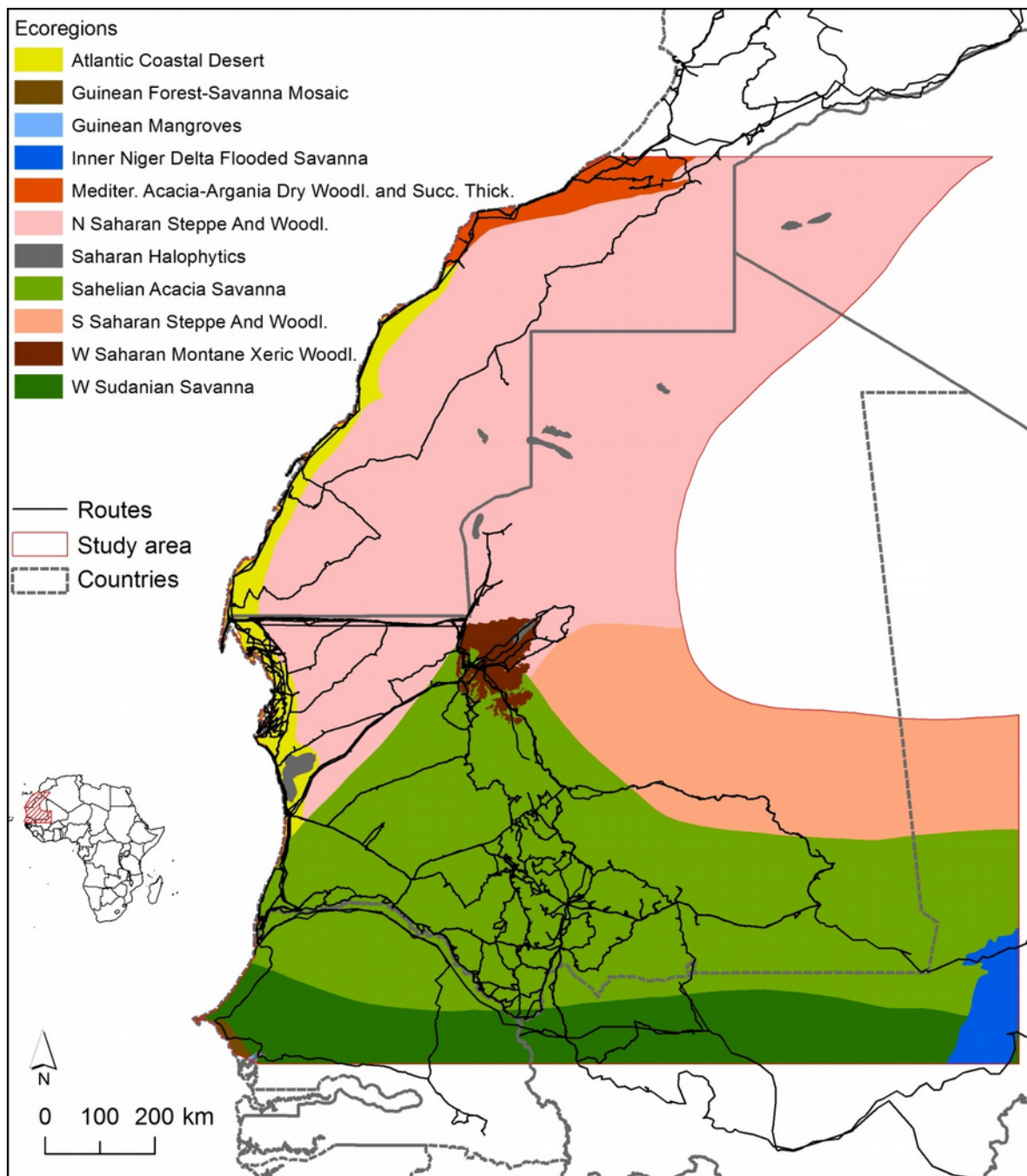


Figure S1 – Routes of the 16 field missions carried out between 2002 and 2015, distribution of ecoregions, and location of the study area in the African context.

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Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
	Bovidae				
18	<i>Gazella dorcas</i>	11/11/2003	19.0687	-11.9325	Live
2892		22/03/2009	21.7601	-11.3270	Found dead
3566		23/03/2009	21.6635	-11.6836	Found dead
5695		01/01/2010	21.2629	-14.5491	Found dead
5879		30/10/2011	20.7000	-13.1000	Found dead
5886		31/10/2011	21.5002	-11.6195	Found dead
5930		04/11/2011	19.8065	-16.3700	Found dead
5977		04/11/2011	19.7050	-16.3900	Faeces
6266		01/08/2009	20.1630	-16.1470	Found dead
9173		06/01/2014	22.1926	-15.3448	Faeces
9195		07/01/2014	21.6160	-16.0809	Found dead
11443		01/12/2014	22.1625	-15.3379	Faeces
	Canidae				
48	<i>Canis anthus</i>	18/11/2003	17.4344	-7.4076	Live
82		21/11/2003	16.4892	-10.6431	Run-over
95		23/11/2003	17.4516	-12.3948	Live
116		25/11/2003	17.3925	-13.4528	Run-over
133		26/11/2003	18.9797	-16.2103	Live
134		26/11/2003	19.2063	-16.3827	Live
135		26/11/2003	19.2425	-16.4525	Live
142		30/11/2003	24.4224	-15.1410	Run-over
494		11/11/2004	17.5516	-16.0288	Run-over
496		11/11/2004	17.7852	-16.0417	Live
514		17/11/2004	19.8448	-14.2464	Run-over
554		29/11/2004	25.7584	-14.6000	Howlings
793		26/11/2005	21.1549	-16.9830	Run-over
1005		29/01/2007	22.5398	-16.3898	Run-over
1113		23/04/2007	28.8129	-8.9080	Found dead
1147		31/12/2001	24.4187	-15.0883	Run-over
1240		16/01/2002	14.9811	-13.5487	Live
1242		17/01/2002	15.0166	-13.5666	Howlings
1243		17/01/2002	15.3815	-13.3950	Live
1250		19/01/2002	18.5597	-16.0883	Live

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Code	Taxon	Date	Latitude	Longitude	State
1251	<i>Canis anthus</i> (continued)	19/01/2002	18.8607	-16.1744	Live
1252		19/01/2002	19.1235	-16.2948	Live
1282		02/12/2007	23.4221	-15.9755	Run-over
1318		09/12/2007	16.2255	-13.3844	Howlings
1412		15/12/2007	17.3787	-12.3421	Howlings
1592		18/09/2008	27.9590	-12.8330	Run-over
1606		19/09/2008	24.7945	-14.8639	Run-over
1607		20/09/2008	22.8677	-16.2196	Run-over
1628		23/09/2008	21.2433	-13.2820	Track
1642		26/09/2008	20.5192	-13.1325	Inquiry
1716		27/09/2008	20.5809	-13.1363	Track
2061		13/10/2008	17.5518	-11.2841	Live
2202		22/10/2008	16.4281	-9.5617	Run-over
2204		22/10/2008	16.4252	-9.5630	Run-over
2268		24/10/2008	16.5155	-10.4529	Howlings
2278		26/10/2008	16.6875	-10.1913	Howlings
2347		29/10/2008	16.5380	-10.7415	Howlings
2471		03/11/2008	15.9327	-12.0108	Howlings
2489		04/11/2008	15.9570	-12.0098	Howlings
2585		07/11/2008	16.8887	-12.1848	Howlings
2646		11/11/2008	17.4150	-12.5281	Run-over
2709		14/11/2008	17.8814	-12.0949	Howlings
2718		15/11/2008	17.8463	-12.0782	Howlings
3054		06/04/2009	17.9298	-11.7451	Run-over
3079		07/04/2009	17.7060	-11.8261	Howlings
3080		08/04/2009	17.7620	-11.8828	Howlings
3088		08/04/2009	17.8119	-11.9439	Live
3177		13/04/2009	17.4786	-12.1617	Howlings
3194		14/04/2009	17.2408	-12.1016	Howlings
3324		25/04/2009	16.7564	-11.9972	Howlings
3549		12/05/2009	19.4000	-16.3976	Found dead
3579		15/05/2009	19.4276	-16.4683	Found dead
3596		16/05/2009	19.6003	-16.4313	Live
3597		17/05/2009	19.4675	-16.4332	Live
3598		17/05/2009	19.5583	-16.4019	Track
4439		25/10/2010	18.3508	-16.0082	Run-over
4513		30/10/2010	16.4990	-16.0568	Live
4590		02/11/2010	16.2570	-13.6580	Live

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
4665	<i>Canis anthus</i> (continued)	06/11/2010	15.3352	-12.6574	Live
4714		07/11/2010	15.5065	-11.7627	Live
4755		08/11/2010	15.6418	-12.1099	Live
4794		09/11/2010	15.9570	-12.0098	Live
4826		10/11/2010	15.9083	-11.9212	Live
4966		17/11/2010	17.4228	-13.4351	Live
4982		17/11/2010	17.1883	-13.8541	Run-over
4992		19/11/2010	18.3745	-15.7375	Run-over
4994		19/11/2010	18.4443	-15.7105	Live
5117		24/11/2010	19.9720	-16.2298	Live
5122		25/11/2010	20.1498	-16.1719	Live
5232		30/11/2010	20.7001	-14.5312	Howlings
5725		21/10/2011	24.5761	-14.9888	Run-over
5812		25/10/2011	22.5801	-12.7157	Fæces
5927		04/11/2011	19.7948	-16.3664	Fæces
5928		04/11/2011	19.8186	-16.3604	Fæces
5929		04/11/2011	19.8354	-16.3532	Live
5998		05/11/2011	18.7953	-16.1391	Run-over
5999		05/11/2011	18.2593	-16.0178	Run-over
6004		07/11/2011	17.4244	-13.3572	Fæces
6021		08/11/2011	17.8463	-12.0782	Fæces
6030		09/11/2011	18.0534	-11.9428	Fæces
6047		10/11/2011	18.2920	-11.7289	Run-over
6063		10/11/2011	18.2582	-11.5134	Howlings
6296		26/11/2011	19.4220	-16.2973	Howlings
6312		26/11/2011	19.5636	-16.3968	Live - Camera-trapping
6314		27/11/2011	19.5966	-16.3784	Live
6381		29/11/2011	20.1233	-16.1266	Fæces
6396		29/11/2011	20.2330	-16.1247	Fæces
6403		30/11/2011	20.4204	-16.2768	Fæces
6404		30/11/2011	20.4204	-16.2768	Fæces
6424		30/11/2011	20.7395	-16.4150	Howlings
6495		10/11/2011	18.2582	-11.5134	Live - Camera-trapping
6502		09/11/2011	18.0534	-11.9428	Live - Camera-trapping
6505		10/11/2011	18.2582	-11.5134	Live - Camera-trapping
7176		27/10/2012	28.4255	-9.2241	Howlings
7354		03/11/2012	23.2765	-15.9154	Fæces
7382		09/11/2012	16.4425	-16.3166	Fæces

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Code	Taxon	Date	Latitude	Longitude	State
7579	<i>Canis anthus</i> (continued)	14/11/2012	15.0585	-12.4061	Howlings
7637		15/11/2012	15.5910	-12.2426	Fæces
7638		15/11/2012	15.5910	-12.2426	Found dead
7639		15/11/2012	15.5910	-12.2426	Fæces
7645		15/11/2012	15.9570	-12.0098	Howlings
7700		16/11/2012	16.3388	-11.9780	Howlings
7796		20/11/2012	16.0532	-11.6698	Howlings
7815		21/11/2012	16.4443	-11.7780	Howlings
7888		25/11/2012	17.1244	-12.0761	Howlings
8036		01/09/2012	28.3575	-11.4447	Run-over
9073		27/10/2013	27.9992	-11.3750	Run-over
9098		01/01/2014	25.7848	-14.5957	Run-over
9208		08/01/2014	20.1310	-15.9533	Run-over
9215		11/01/2014	16.2756	-13.7036	Howlings
9217		12/01/2014	16.1869	-13.6386	Run-over
9411		18/01/2014	15.0373	-11.6217	Howlings
9522		21/01/2014	14.1310	-10.7739	Live - Camera-trapping
9564		23/01/2014	14.4953	-9.3430	Howlings
9868		06/02/2014	18.4003	-11.8145	Found dead
9871		06/02/2014	18.4003	-11.8145	Found dead
9941		16/01/2014	16.4895	-11.0579	Live - Camera-trapping
9946		06/02/2014	18.2060	-11.7309	Live - Camera-trapping
9948		18/01/2014	15.0373	-11.6217	Live - Camera-trapping
10642		03/11/2014	22.0266	-16.7946	Live
10779		11/11/2014	15.9463	-13.2937	Howlings
10844		13/11/2014	15.0134	-12.4766	Howlings
11093		17/11/2014	15.6947	-11.2378	Howlings
11216		19/11/2014	15.7983	-10.8053	Howlings
11296		23/11/2014	16.5435	-9.9569	Howlings
11376		27/11/2014	17.2302	-13.8283	Run-over
11413		02/12/2014	22.7568	-16.3007	Run-over
11415		03/12/2014	26.6403	-13.6658	Run-over
11901		01/09/2015	15.9039	-11.9361	Howlings
11943		04/09/2015	17.0675	-12.2602	Howlings
12046		17/09/2015	23.2827	-15.9116	Live
12053		29/08/2015	15.4807	-12.3056	Live - Camera-trapping
12055		29/08/2015	15.4807	-12.3056	Live - Camera-trapping
56	<i>Vulpes pallida</i>	19/11/2003	16.7355	-7.3983	Live

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Code	Taxon	Date	Latitude	Longitude	State
81	<i>Vulpes pallida</i> (continued)	21/11/2003	16.4414	-10.4664	Run-over
126		25/11/2003	17.2787	-13.7699	Run-over
127		25/11/2003	17.2787	-13.7699	Run-over
130		25/11/2003	17.2525	-14.2751	Run-over
468		07/11/2004	15.3562	-13.0755	Run-over
965		10/01/2007	17.2171	-11.1104	Live
966		10/01/2007	16.9970	-11.1429	Run-over
967		11/01/2007	16.5178	-10.8125	Run-over
968		11/01/2007	16.5148	-10.7796	Run-over
1000		28/01/2007	17.2911	-12.3558	Run-over
1001		28/01/2007	17.3479	-12.4328	Run-over
1174		11/01/2002	15.0881	-16.6611	Run-over
1285		06/12/2007	17.2420	-16.1067	Run-over
1286		06/12/2007	17.0564	-16.0854	Run-over
1287		06/12/2007	16.9336	-16.1212	Run-over
1299		07/12/2007	16.8895	-14.9828	Burrow
1310		08/12/2007	16.3031	-13.8822	Run-over
1319		09/12/2007	16.2240	-13.2310	Run-over
1395		14/12/2007	16.8991	-11.8700	Run-over
2130		19/10/2008	16.9804	-10.1178	Live
2201		21/10/2008	16.8668	-9.5729	Burrow
2230		23/10/2008	16.3899	-10.3057	Run-over
2293		28/10/2008	16.4871	-10.6804	Run-over
2432		03/11/2008	16.4237	-11.3625	Run-over
2434		03/11/2008	16.2115	-11.4199	Run-over
2707		14/11/2008	17.9815	-12.1899	Live
2708		14/11/2008	17.9272	-12.1367	Live
3420		29/04/2009	17.1524	-12.1991	Live
3483		05/05/2009	17.1261	-14.0654	Run-over
4584		02/11/2010	16.3266	-13.9302	Run-over
4965		16/11/2010	17.4168	-13.4364	Live
4978		17/11/2010	17.3434	-13.6253	Run-over
4985		17/11/2010	17.1503	-13.8785	Run-over
4987		17/11/2010	17.1776	-14.1466	Live
4988		17/11/2010	17.1776	-14.1466	Live
6192		19/11/2011	15.0556	-12.5543	Faeces
6224		20/11/2011	15.4901	-12.9408	Faeces
6236		20/11/2011	15.4945	-12.9524	Faeces

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Code	Taxon	Date	Latitude	Longitude	State
6259	<i>Vulpes pallida</i> (continued)	21/11/2011	15.7421	-13.2401	Fæces
6490		16/11/2011	16.3393	-12.5051	Live - Camera-trapping
7424		10/11/2012	16.6857	-15.0195	Run-over
7425		11/11/2012	16.1551	-13.5444	Found dead
7843		22/11/2012	16.6934	-11.2700	Fæces
7904		25/11/2012	17.0297	-13.9554	Run-over
7921		09/11/2012	16.3033	-16.4013	Live - Camera-trapping
9210		11/01/2014	17.1652	-14.1255	Run-over
9211		11/01/2014	16.5835	-14.2238	Run-over
9218		12/01/2014	16.1811	-13.6337	Run-over
9227		12/01/2014	16.2238	-13.1736	Run-over
9229		12/01/2014	16.1970	-13.0925	Run-over
9390		18/01/2014	16.5812	-11.4136	Run-over
9559		23/01/2014	14.5047	-9.8754	Run-over
9607		25/01/2014	15.9691	-9.4766	Run-over
9630		25/01/2014	16.5747	-9.5940	Run-over
9634		26/01/2014	16.4841	-9.2895	Live - Camera-trapping
9651		26/01/2014	16.4799	-7.5899	Fæces
9818		03/02/2014	18.4472	-10.6832	Live - Camera-trapping
9819		03/02/2014	18.4472	-10.6832	Live - Camera-trapping
9935		05/02/2014	18.3568	-11.8160	Live - Camera-trapping
9940		11/01/2014	16.2756	-13.7036	Live - Camera-trapping
9942		25/01/2014	16.4841	-9.2895	Live - Camera-trapping
9971		03/02/2014	18.4472	-10.6832	Live - Camera-trapping
9995		26/01/2014	16.4841	-9.2895	Live - Camera-trapping
10358		11/03/2014	14.9918	-16.7512	Found dead
10772		10/11/2014	16.6054	-15.2911	Run-over
11336		24/11/2014	16.6245	-9.4466	Run-over
11375		27/11/2014	17.2302	-13.8283	Run-over
11433		13/11/2014	15.0134	-12.4766	Live - Camera-trapping
45	<i>Vulpes rueppellii</i>	18/11/2003	17.5829	-7.4558	Live
84		21/11/2003	17.0397	-11.9674	Run-over
131		25/11/2003	17.3391	-14.3885	Run-over
138		28/11/2003	20.5123	-16.2354	Live
542		27/11/2004	23.0911	-16.0772	Run-over
785		10/11/2005	21.8079	-16.8821	Run-over
795		27/11/2005	21.8065	-16.8824	Run-over
1156		08/01/2002	19.5383	-14.6633	Run-over

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Code	Taxon	Date	Latitude	Longitude	State
1157	<i>Vulpes rueppellii</i> (cont.d)	08/01/2002	19.4045	-14.7816	Run-over
1160		08/01/2002	19.2828	-14.8802	Run-over
1764		01/10/2008	20.0195	-13.0524	Live
2782		28/11/2008	24.7302	-14.8742	Run-over
2965		29/03/2009	18.6656	-12.9648	Live
3213		16/04/2009	17.3336	-12.0778	Found dead
3613		17/05/2009	20.1244	-16.2593	Live
3620		18/05/2009	20.0500	-16.0582	Found dead
3625		18/05/2009	20.1017	-16.0599	Found dead
4947		16/11/2010	17.0698	-12.6886	Live
4964		16/11/2010	17.4445	-13.3037	Run-over
5152		26/11/2010	20.6262	-16.2451	Live
5278		01/12/2010	20.4845	-15.6127	Live
5719		20/10/2011	27.5865	-12.9559	Live
5786		24/10/2011	21.5196	-12.8533	Live - Camera-trapping
5853		29/10/2011	20.5043	-12.8456	Faeces
5855		29/10/2011	20.5393	-12.7910	Faeces
5877		29/10/2011	20.5773	-12.4929	Live
5911		01/11/2011	20.3231	-13.1421	Faeces
5912		01/11/2011	20.3231	-13.1421	Faeces
6010		07/11/2011	17.8401	-12.4107	Run-over
6501		29/11/2011	20.3945	-16.1247	Live - Camera-trapping
7367		04/11/2012	19.9115	-15.9269	Run-over
7902		25/11/2012	17.5309	-12.7539	Run-over
9624		25/01/2014	16.4261	-9.5658	Faeces
9682		28/01/2014	17.4724	-7.4243	Faeces
9718		30/01/2014	18.3803	-8.2722	Faeces
9720		30/01/2014	18.3803	-8.2722	Live - Camera-trapping
9923		04/01/2014	22.6110	-14.4708	Live - Camera-trapping
9924		05/01/2014	22.1926	-15.3448	Live - Camera-trapping
9938		05/01/2014	22.1926	-15.3448	Live - Camera-trapping
9939		05/01/2014	22.1926	-15.3448	Live - Camera-trapping
9945		06/02/2014	18.2060	-11.7309	Live - Camera-trapping
9951		31/01/2014	18.3838	-8.5216	Live - Camera-trapping
9954		01/02/2014	18.3674	-9.0485	Live - Camera-trapping
9961		04/01/2014	22.6110	-14.4708	Live - Camera-trapping
9962		05/01/2014	22.1926	-15.3448	Live - Camera-trapping
9968		07/02/2014	18.1504	-12.0653	Live - Camera-trapping

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Code	Taxon	Date	Latitude	Longitude	State
9969	<i>Vulpes rueppellii</i> (cont.d)	05/01/2014	22.1926	-15.3448	Live - Camera-trapping
9973		05/01/2014	22.1926	-15.3448	Live - Camera-trapping
9980		03/02/2014	18.4472	-10.6832	Live - Camera-trapping
9984		06/02/2014	18.2060	-11.7309	Live - Camera-trapping
9986		04/01/2014	22.6110	-14.4708	Live - Camera-trapping
9987		05/01/2014	22.1926	-15.3448	Live - Camera-trapping
9988		29/01/2014	18.0995	-8.0107	Live - Camera-trapping
9989		30/01/2014	18.3803	-8.2722	Live - Camera-trapping
9993		04/01/2014	22.6110	-14.4708	Live - Camera-trapping
9994		05/01/2014	22.1926	-15.3448	Live - Camera-trapping
9997		03/02/2014	18.4472	-10.6832	Live - Camera-trapping
11389		28/11/2014	18.6958	-14.0753	Run-over
11431		29/11/2014	18.9583	-13.3484	Live - Camera-trapping
11432		29/11/2014	18.9583	-13.3484	Live - Camera-trapping
11434		29/11/2014	18.9583	-13.3484	Live - Camera-trapping
11436		29/11/2014	18.9583	-13.3484	Live - Camera-trapping
11959		06/09/2015	19.1563	-14.9697	Live
41	<i>Vulpes zerda</i>	17/11/2003	18.1214	-8.0501	Live
502		14/11/2004	19.1015	-16.2462	Live
544		27/11/2004	23.3804	-15.9973	Run-over
548		28/11/2004	24.6598	-14.8776	Run-over
791		20/11/2005	18.4718	-14.6911	Run-over
792		20/11/2005	18.4529	-14.7336	Run-over
1149		04/01/2002	21.1833	-13.7500	Live
1943		09/10/2008	19.0428	-11.9242	Track
2737		22/11/2008	19.7714	-16.1878	Live
2842		17/03/2009	20.2577	-14.3104	Track
2944		27/03/2009	19.4889	-13.0637	Found dead
2962		29/03/2009	18.7760	-12.9917	Burrow
2967		29/03/2009	18.5670	-12.9121	Live
2977		30/03/2009	18.5942	-12.5055	Live
2978		30/03/2009	18.5858	-12.4544	Live
5021		20/11/2010	19.4374	-15.3792	Live
5022		20/11/2010	19.3871	-15.4457	Live - Camera-trapping
5033		21/11/2010	19.1588	-15.8715	Burrow
5068		23/11/2010	19.7128	-16.0603	Live
5097		24/11/2010	19.9065	-16.0092	Live
5255		01/12/2010	21.2367	-14.5532	Live

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
5723	<i>Vulpes zerda</i> (continued)	21/10/2011	25.0370	-14.8078	Run-over
5748		23/10/2011	21.2426	-14.5821	Faeces
5749		23/10/2011	21.2426	-14.5821	Faeces
5754		23/10/2011	21.2469	-14.5846	Faeces
5755		23/10/2011	21.2625	-14.5807	Live
5757		23/10/2011	21.1976	-14.2220	Faeces
5758		23/10/2011	21.1976	-14.2220	Live - Camera-trapping
5764		23/10/2011	21.1976	-14.2220	Faeces
5765		24/10/2011	21.2051	-14.1826	Run-over
5792		25/10/2011	21.6788	-12.8273	Faeces
5796		25/10/2011	21.6788	-12.8273	Faeces
5836		27/10/2011	22.0648	-12.7110	Faeces
5843		27/10/2011	21.9310	-12.7453	Faeces
5844		27/10/2011	21.9310	-12.7453	Faeces
5878		29/10/2011	20.5016	-12.8662	Live
5880		30/10/2011	21.3728	-11.9103	Live - Camera-trapping
5918		01/11/2011	19.9844	-13.9455	Run-over
6480		03/12/2011	22.0124	-16.8239	Run-over
6483		04/12/2011	23.4153	-15.9786	Run-over
6485		04/12/2011	25.2803	-14.8179	Run-over
6491		26/11/2011	19.4220	-16.2973	Live - Camera-trapping
6509		26/11/2011	19.5675	-16.3837	Live - Camera-trapping
6510		28/11/2011	19.9597	-16.0840	Live - Camera-trapping
7109		08/08/2012	21.4331	-11.7588	Live
9684		28/01/2014	17.5892	-7.4459	Live - Camera-trapping
9688		29/01/2014	17.6911	-7.4880	Faeces
9722		31/01/2014	18.3502	-8.3496	Faeces
9728		31/01/2014	18.3404	-8.4472	Found dead
9731		31/01/2014	18.3532	-8.4547	Found dead
9732		31/01/2014	18.3532	-8.4547	Found dead
9734		31/01/2014	18.3546	-8.4584	Faeces
9740		31/01/2014	18.3774	-8.5000	Faeces
9752		01/02/2014	18.3904	-8.5543	Faeces
9754		01/02/2014	18.4013	-8.5731	Found dead
9772		01/02/2014	18.3674	-9.0485	Found dead
9773		01/02/2014	18.3674	-9.0485	Found dead
9792		02/02/2014	18.4720	-9.5249	Faeces
9805		03/02/2014	18.5751	-10.0742	Faeces

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
9922	<i>Vulpes zerda</i> (continued)	01/01/2014	25.5435	-14.6744	Live - Camera-trapping
9927		02/02/2014	18.5785	-9.8185	Live - Camera-trapping
9943		02/02/2014	18.5785	-9.8185	Live - Camera-trapping
9964		02/02/2014	18.5785	-9.8185	Live - Camera-trapping
9970		02/02/2014	18.5785	-9.8185	Live - Camera-trapping
9996		29/01/2014	17.6171	-7.4613	Live - Camera-trapping
11386		28/11/2014	18.6148	-14.3127	Run-over
11426		29/11/2014	18.9583	-13.3484	Live - Camera-trapping
11430		28/11/2014	18.4895	-14.6437	Live - Camera-trapping
11437		01/12/2014	21.7504	-16.9053	Run-over
	Cercopithecidae				
457	<i>Erythrocebus patas</i>	06/11/2004	14.6395	-10.6152	Live
463		07/11/2004	14.4853	-12.1617	Live
467		07/11/2004	14.6844	-12.3838	Live
484		08/11/2004	16.2386	-16.2198	Live
1353		11/12/2007	15.9010	-11.8341	Live
2469		04/11/2008	15.8782	-12.0392	Live
2587		08/11/2008	16.8887	-12.1848	Live
2703		13/11/2008	17.8872	-12.1108	Live
6214		20/11/2011	15.2603	-12.8357	Live
6233		20/11/2011	15.4905	-12.9426	Live
7527		13/11/2012	15.0526	-12.5676	Faeces
7530		13/11/2012	15.0526	-12.5676	Faeces
7534		13/11/2012	15.0526	-12.5676	Faeces
7535		13/11/2012	15.0526	-12.5676	Faeces
7759		18/11/2012	15.9755	-11.8719	Live
7937		13/11/2012	15.0526	-12.5676	Live
9349		16/01/2014	16.4762	-11.0700	Live
10741		08/11/2014	16.2820	-16.4092	Live
10764		10/11/2014	16.8119	-15.3134	Inquiry
10768		10/11/2014	16.7847	-15.3242	Live
10786		11/11/2014	15.8881	-13.2556	Faeces
10866		13/11/2014	14.8325	-12.3513	Live
11642		18/08/2015	16.2839	-16.4221	Live
108	<i>Papio papio</i>	24/11/2003	17.8885	-12.1136	Track
464		07/11/2004	14.5184	-12.2451	Live
1337		10/12/2007	15.8770	-12.0382	Live
1345		10/12/2007	15.8832	-12.0363	Live

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
2132	<i>Papio papio</i> (continued)	19/10/2008	16.9003	-10.1782	Inquiry
2172		19/10/2008	16.6911	-9.7166	Inquiry
2336		29/10/2008	16.5380	-10.7415	Live
2485		04/11/2008	15.9570	-12.0098	Live
2538		06/11/2008	16.5474	-12.0095	Live
2584		07/11/2008	16.8887	-12.1848	Faeces
2589		08/11/2008	17.1014	-12.2567	Faeces
2616		09/11/2008	17.4014	-12.3641	Live
2630		10/11/2008	17.4516	-12.3948	Live
2722		16/11/2008	18.0314	-12.1691	Live
3193		14/04/2009	17.2408	-12.1016	Live
3306		24/04/2009	16.7983	-11.9545	Faeces
3323		25/04/2009	16.7564	-11.9972	Inquiry
3335		26/04/2009	16.8208	-11.9516	Faeces
3341		27/04/2009	17.0427	-12.1608	Faeces
3345		27/04/2009	17.0702	-12.2078	Faeces
3372		28/04/2009	17.0887	-12.1172	Live
3392		28/04/2009	17.1524	-12.1991	Live
3432		01/05/2009	17.3709	-12.3140	Faeces
3433		01/05/2009	17.4516	-12.3948	Live
4786		09/11/2010	15.9570	-12.0098	Live
4845		11/11/2010	16.5474	-12.0095	Faeces
4876		12/11/2010	17.1524	-12.1991	Live
6028		09/11/2011	17.8637	-12.0901	Howlings
6067		11/11/2011	17.6499	-11.3954	Live
6109		14/11/2011	16.5791	-10.7045	Faeces
6188		19/11/2011	15.0398	-12.5331	Faeces
6191		19/11/2011	15.0556	-12.5543	Howlings
6215		20/11/2011	15.2644	-12.8270	Faeces
7531		13/11/2012	15.0526	-12.5676	Faeces
7533		13/11/2012	15.0526	-12.5676	Faeces
7539		13/11/2012	15.0583	-12.5575	Faeces
7540		13/11/2012	15.0583	-12.5575	Faeces
7541		13/11/2012	15.0583	-12.5575	Faeces
7542		13/11/2012	15.0583	-12.5575	Faeces
7543		13/11/2012	15.0583	-12.5575	Faeces
7544		13/11/2012	15.0583	-12.5575	Faeces
7545		13/11/2012	15.0583	-12.5575	Faeces

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
7657	<i>Papio papio</i> (continued)	15/11/2012	15.9570	-12.0098	Fæces
7658		15/11/2012	15.9570	-12.0098	Fæces
7659		15/11/2012	15.9570	-12.0098	Fæces
7662		15/11/2012	15.9570	-12.0098	Fæces
7664		15/11/2012	15.9570	-12.0098	Fæces
7701		16/11/2012	16.3388	-11.9780	Live
7714		16/11/2012	16.3388	-11.9780	Fæces
7715		16/11/2012	16.3388	-11.9780	Fæces
7716		16/11/2012	16.3388	-11.9780	Fæces
7728		17/11/2012	16.0025	-11.8717	Live
7729		17/11/2012	16.0025	-11.8717	Live
7755		17/11/2012	16.0025	-11.8717	Fæces
7761		18/11/2012	15.9755	-11.8719	Live
7762		18/11/2012	15.9446	-11.9290	Live
7821		21/11/2012	16.5300	-11.8066	Live
7831		21/11/2012	16.6187	-11.8460	Live
9321		16/01/2014	16.2546	-11.0006	Fæces
9322		16/01/2014	16.2546	-11.0006	Fæces
9333		16/01/2014	16.4226	-11.0072	Fæces
9334		16/01/2014	16.4226	-11.0072	Fæces
9335		16/01/2014	16.4226	-11.0072	Fæces
9336		16/01/2014	16.4226	-11.0072	Fæces
9337		16/01/2014	16.4226	-11.0072	Fæces
9338		16/01/2014	16.4226	-11.0072	Fæces
9339		16/01/2014	16.4226	-11.0072	Fæces
9340		16/01/2014	16.4226	-11.0072	Fæces
9341		16/01/2014	16.4226	-11.0072	Fæces
9342		16/01/2014	16.4226	-11.0072	Fæces
9343		16/01/2014	16.4226	-11.0072	Fæces
9344		16/01/2014	16.4226	-11.0072	Fæces
9345		16/01/2014	16.4226	-11.0072	Fæces
9346		16/01/2014	16.4226	-11.0072	Fæces
9347		16/01/2014	16.4226	-11.0072	Fæces
9348		16/01/2014	16.4226	-11.0072	Fæces
9351		16/01/2014	16.4895	-11.0579	Found dead
9352		16/01/2014	16.4895	-11.0579	Fæces
9354		16/01/2014	16.4895	-11.0579	Found dead
9367		16/01/2014	16.4895	-11.0579	Fæces

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
9502	<i>Papio papio</i> (continued)	21/01/2014	14.1171	-11.0690	Live
9523		21/01/2014	14.1310	-10.7739	Howlings
11092		17/11/2014	15.6947	-11.2378	Inquiry
11098		17/11/2014	15.6947	-11.2378	Faeces
11099		17/11/2014	15.6947	-11.2378	Faeces
11100		17/11/2014	15.6947	-11.2378	Faeces
11101		17/11/2014	15.6947	-11.2378	Faeces
11102		17/11/2014	15.6947	-11.2378	Faeces
11103		17/11/2014	15.6947	-11.2378	Faeces
11104		17/11/2014	15.6947	-11.2378	Faeces
11108		17/11/2014	15.6947	-11.2378	Faeces
11109		17/11/2014	15.6947	-11.2378	Faeces
11110		17/11/2014	15.6947	-11.2378	Faeces
11142		18/11/2014	15.5511	-11.0879	Faeces
11143		18/11/2014	15.5511	-11.0879	Faeces
11144		18/11/2014	15.5511	-11.0879	Faeces
11145		18/11/2014	15.5511	-11.0879	Faeces
11157		19/11/2014	15.5636	-10.9820	Faeces
11160		19/11/2014	15.5636	-10.9820	Faeces
11169		19/11/2014	15.6741	-10.8372	Faeces
11195		19/11/2014	15.7983	-10.8053	Faeces
11196		19/11/2014	15.7983	-10.8053	Faeces
11197		19/11/2014	15.7983	-10.8053	Faeces
11198		19/11/2014	15.7983	-10.8053	Faeces
11235		20/11/2014	15.8001	-10.7755	Faeces
11240		20/11/2014	15.8066	-10.7715	Howlings
11245		20/11/2014	15.8557	-10.7178	Faeces
11253		20/11/2014	16.0546	-10.5373	Faeces
11254		20/11/2014	16.0546	-10.5373	Faeces
11255		20/11/2014	16.0546	-10.5373	Faeces
11261		21/11/2014	16.0384	-10.5001	Live
11280		22/11/2014	16.0600	-10.4263	Howlings
11297		23/11/2014	16.5435	-9.9569	Howlings
11882		31/08/2015	15.9446	-11.9290	Faeces
11914		02/09/2015	17.2408	-12.1016	Faeces
11915		02/09/2015	17.2408	-12.1016	Faeces
11947		04/09/2015	17.0675	-12.2602	Live

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
	Ctenodactylidæ				
15	<i>Felovia væ</i>	09/11/2003	20.0688	-12.4119	Live
21		11/11/2003	18.8758	-11.8183	Live
29		12/11/2003	18.4812	-11.3829	Live
1009		09/01/2007	17.6734	-11.4848	Live
1347		10/12/2007	15.8832	-12.0363	Live
2004		11/10/2008	18.2603	-11.5231	Live
2049		12/10/2008	17.6348	-11.4144	Live
2052		12/10/2008	17.6495	-11.3954	Live
2134		19/10/2008	16.9003	-10.1782	Live
2280		26/10/2008	16.6875	-10.1913	Live
2373		31/10/2008	16.5791	-10.7045	Live
2470		03/11/2008	15.9327	-12.0108	Live
2519		05/11/2008	16.1848	-12.0120	Live
2618		08/11/2008	17.1014	-12.2567	Live
2629		10/11/2008	17.4516	-12.3948	Live
2652		12/11/2008	17.8212	-12.1857	Live
2667		12/11/2008	17.7379	-12.2452	Live
2683		13/11/2008	17.6622	-12.2450	Live
2729		17/11/2008	17.9577	-12.3191	Live
2900		23/03/2009	21.4550	-11.3083	Live
2987		31/03/2009	18.3864	-12.1649	Live
3003		02/04/2009	18.0705	-12.3339	Live
3024		04/04/2009	18.1869	-11.7463	Live
3132		10/04/2009	17.8637	-12.0901	Live
3169		13/04/2009	17.5712	-12.1785	Live
3175		13/04/2009	17.4786	-12.1617	Live
3180		14/04/2009	17.4320	-12.1824	Live
3184		14/04/2009	17.3614	-12.1971	Live
3188		14/04/2009	17.2408	-12.1016	Live
3205		15/04/2009	17.2327	-12.1000	Live
3208		15/04/2009	17.2757	-12.1010	Live
3214		16/04/2009	17.3336	-12.0778	Live
3230		16/04/2009	17.3726	-11.9157	Live
3236		17/04/2009	17.3827	-11.7208	Live
3257		19/04/2009	17.1733	-11.9380	Live
3263		20/04/2009	17.1425	-11.8853	Live
3340		27/04/2009	17.0427	-12.1608	Live

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
3373	<i>Felovia</i> vœ (continued)	28/04/2009	17.0887	-12.1172	Live
3412		28/04/2009	17.1524	-12.1991	Live
3427		01/05/2009	17.3709	-12.3140	Live
3633		11/04/2009	17.7379	-12.2452	Live
4781		09/11/2010	15.9570	-12.0098	Live
4801		09/11/2010	15.9570	-12.0098	Fæces
4816		10/11/2010	15.9647	-11.9157	Fæces
4838		11/11/2010	16.2922	-12.0113	Fæces
4839		10/11/2010	15.9083	-11.9212	Fæces
4849		11/11/2010	16.5474	-12.0095	Fæces
4850		11/11/2010	16.5474	-12.0095	Fæces
4875		12/11/2010	17.0675	-12.2602	Fæces
4879		12/11/2010	17.1524	-12.1991	Fæces
5316		09/11/2010	15.9570	-12.0098	Fæces
5317		09/11/2010	15.9570	-12.0098	Fæces
5318		09/11/2010	15.9570	-12.0098	Fæces
5319		09/11/2010	15.9570	-12.0098	Fæces
5322		09/11/2010	15.9570	-12.0098	Live
5780		24/10/2011	21.5264	-12.8643	Live
5857		29/10/2011	20.5547	-12.6916	Live
6027		09/11/2011	17.8637	-12.0901	Live
6042		09/11/2011	18.0534	-11.9428	Live
6049		10/11/2011	18.2582	-11.5134	Live
6069		11/11/2011	17.6499	-11.3954	Live
6190		19/11/2011	15.0556	-12.5543	Fæces
6528		29/10/2011	20.5467	-12.6895	Fæces
6529		29/10/2011	20.5497	-12.6904	Fæces
6562		07/11/2011	17.8872	-12.1108	Fæces
6565		08/11/2011	17.8872	-12.1108	Fæces
6566		09/11/2011	17.8810	-12.0940	Fæces
6568		09/11/2011	18.0534	-11.9428	Fæces
7699		16/11/2012	16.3388	-11.9780	Live
7750		17/11/2012	16.0025	-11.8717	Live
7760		18/11/2012	15.9755	-11.8719	Live
7763		18/11/2012	15.9446	-11.9290	Live
7824		21/11/2012	16.5300	-11.8066	Live
7832		21/11/2012	16.6187	-11.8460	Live
7840		22/11/2012	16.6846	-11.2915	Live

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
7849	<i>Felovia</i> vœ (continued)	22/11/2012	16.7290	-11.1309	Live
7858		22/11/2012	16.7776	-11.1438	Live
7893		25/11/2012	17.1252	-12.0942	Live
7900		25/11/2012	17.1356	-12.0904	Live
7949		16/11/2012	15.9582	-12.0100	Fæces
7950		16/11/2012	15.9571	-12.0104	Fæces
7951		16/11/2012	15.9544	-12.0098	Fæces
7952		16/11/2012	15.9589	-12.0081	Fæces
7953		16/11/2012	15.9594	-12.0068	Fæces
7954		16/11/2012	16.3347	-11.9784	Fæces
7955		16/11/2012	16.3354	-11.9780	Fæces
7956		16/11/2012	16.3360	-11.9770	Fæces
7957		16/11/2012	16.3362	-11.9764	Fæces
7958		16/11/2012	16.3328	-11.9770	Fæces
7959		16/11/2012	16.2963	-12.0037	Fæces
7960		16/11/2012	16.2963	-12.0046	Fæces
7963		18/11/2012	15.9990	-11.8720	Fæces
7964		18/11/2012	16.0000	-11.8723	Fæces
7965		18/11/2012	16.0026	-11.8716	Fæces
7966		18/11/2012	15.9977	-11.8710	Fæces
7967		18/11/2012	16.0008	-11.8721	Fæces
7968		18/11/2012	15.9782	-11.8734	Fæces
7969		18/11/2012	15.9777	-11.8736	Fæces
7970		18/11/2012	15.9754	-11.8726	Fæces
7971		18/11/2012	15.9767	-11.8710	Fæces
7972		19/11/2012	15.9422	-11.9282	Fæces
7973		19/11/2012	15.9426	-11.9292	Fæces
7974		19/11/2012	15.9440	-11.9283	Fæces
7975		19/11/2012	15.9451	-11.9294	Fæces
7976		19/11/2012	15.9472	-11.9315	Fæces
7980		20/11/2012	16.0537	-11.6714	Fæces
7981		20/11/2012	16.0509	-11.6733	Fæces
7982		20/11/2012	16.0498	-11.6731	Fæces
7983		20/11/2012	16.0499	-11.6726	Fæces
7985		20/11/2012	16.1625	-11.7484	Fæces
7986		20/11/2012	16.1635	-11.7496	Fæces
7987		20/11/2012	16.1632	-11.7499	Fæces
7989		21/11/2012	16.4463	-11.7800	Fæces

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
7990	<i>Felovia vae</i> (continued)	21/11/2012	16.4467	-11.7773	Fæces
7991		21/11/2012	16.5630	-11.7174	Fæces
7992		21/11/2012	16.5653	-11.7171	Fæces
7993		21/11/2012	16.5300	-11.8068	Fæces
7994		21/11/2012	16.5286	-11.8071	Fæces
7995		21/11/2012	16.6193	-11.8446	Fæces
7996		21/11/2012	16.6207	-11.8453	Fæces
7997		22/11/2012	16.6845	-11.2911	Fæces
7998		22/11/2012	16.6850	-11.2903	Fæces
7999		22/11/2012	16.6840	-11.2889	Fæces
8000		22/11/2012	16.7062	-11.2076	Fæces
8001		22/11/2012	16.7062	-11.2068	Fæces
8002		22/11/2012	16.7296	-11.1288	Fæces
8003		22/11/2012	16.7277	-11.1289	Fæces
8004		22/11/2012	16.7283	-11.1280	Fæces
8005		22/11/2012	16.7296	-11.1269	Fæces
8006		22/11/2012	16.7775	-11.1421	Fæces
8007		22/11/2012	16.7630	-11.2228	Fæces
8008		22/11/2012	16.7624	-11.2229	Fæces
8010		23/11/2012	16.7637	-11.2673	Fæces
8011		23/11/2012	17.1324	-11.5220	Fæces
8012		23/11/2012	17.1323	-11.5222	Fæces
8013		23/11/2012	17.1318	-11.5231	Fæces
8014		24/11/2012	17.1336	-12.0910	Fæces
8015		25/11/2012	17.1261	-12.0946	Fæces
8016		25/11/2012	17.1247	-12.0963	Fæces
8017		25/11/2012	17.1271	-12.0983	Fæces
8018		25/11/2012	17.1326	-12.0865	Fæces
9326		16/01/2014	16.2618	-11.0532	Fæces
9361		16/01/2014	16.4895	-11.0579	Live
9471		20/01/2014	14.3881	-11.3855	Fæces
9499		21/01/2014	14.1556	-11.2574	Fæces
9501		21/01/2014	14.0522	-11.2258	Fæces
9527		22/01/2014	14.2017	-10.7369	Fæces
9540		22/01/2014	14.3203	-10.4133	Fæces
9554		23/01/2014	14.4915	-10.2491	Fæces
9625		25/01/2014	16.4261	-9.5658	Fæces
9628		25/01/2014	16.5001	-9.5640	Fæces

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
9778	<i>Felovia vae</i> (continued)	02/02/2014	18.3674	-9.0485	Faeces
9780		02/02/2014	18.3476	-9.1749	Faeces
9787		02/02/2014	18.4060	-9.3528	Faeces
9795		02/02/2014	18.5785	-9.8185	Live
9803		03/02/2014	18.5928	-10.0262	Live
9828		04/02/2014	18.5630	-11.1890	Faeces
9830		04/02/2014	18.4428	-11.3873	Faeces
9846		05/02/2014	18.4030	-11.7939	Live
9861		05/02/2014	18.3568	-11.8160	Faeces
9870		06/02/2014	18.4003	-11.8145	Live
9877		06/02/2014	18.2060	-11.7309	Faeces
9892		07/02/2014	17.9820	-11.9445	Live
9904		07/02/2014	18.1504	-12.0653	Live
10014		16/01/2014	16.4225	-11.0073	Faeces
10015		17/01/2014	16.4906	-11.0544	Faeces
10025		20/01/2014	14.3897	-11.3844	Faeces
10026		20/01/2014	14.3888	-11.3869	Faeces
10027		20/01/2014	14.3633	-11.3692	Faeces
10028		20/01/2014	14.3585	-11.3706	Faeces
10029		20/01/2014	14.3617	-11.3734	Faeces
10030		21/01/2014	14.1500	-11.2635	Faeces
10031		21/01/2014	14.1495	-11.2626	Faeces
10066		01/02/2014	18.3904	-8.5542	Faeces
10067		01/02/2014	18.3650	-9.0508	Faeces
10072		02/02/2014	18.5808	-9.8147	Faeces
10083		04/02/2014	18.5657	-11.1899	Faeces
10084		04/02/2014	18.4902	-11.3806	Faeces
10088		05/02/2014	18.4433	-11.3832	Faeces
10094		05/02/2014	18.4652	-11.7354	Faeces
10113		07/02/2014	18.1505	-12.0657	Faeces
11105		17/11/2014	15.6947	-11.2378	Faeces
11106		17/11/2014	15.6947	-11.2378	Faeces
11107		17/11/2014	15.6947	-11.2378	Faeces
11158		19/11/2014	15.5636	-10.9820	Faeces
11193		19/11/2014	15.7983	-10.8053	Faeces
11194		19/11/2014	15.7983	-10.8053	Faeces
11256		20/11/2014	16.0546	-10.5373	Live
11267		21/11/2014	16.0514	-10.5391	Faeces

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
11316	<i>Felovia</i> vae (continued)	23/11/2014	16.6417	-9.9153	Fæces
11317		23/11/2014	16.6417	-9.9153	Fæces
11322		23/11/2014	16.6875	-9.9006	Fæces
11347		25/11/2014	16.3714	-10.2454	Fæces
11354		25/11/2014	16.4830	-10.6528	Fæces
12074		31/08/2015	15.9588	-12.1060	Live
12075		31/08/2015	15.9053	-11.9237	Live
12076		01/09/2015	15.9005	-11.9523	Live
12080		02/09/2015	15.9032	-11.9337	Live
12081		02/09/2015	15.8993	-11.8342	Live
12082		02/09/2015	17.2401	-12.1028	Live
12083		03/09/2015	17.2423	-12.1026	Live
12085		04/09/2015	16.9798	-12.2615	Live
12086		04/09/2015	17.0652	-12.2573	Live
12087		04/09/2015	17.0666	-12.2568	Live
12088		04/09/2015	17.0652	-12.2537	Live
12089		05/09/2015	17.2674	-12.2975	Live
12090		05/09/2015	17.2658	-12.2993	Live
12106		09/09/2015	20.2724	-13.6353	Live
12107		09/09/2015	20.2490	-13.0868	Live
12108		10/09/2015	19.9974	-13.0583	Live
12109		10/09/2015	19.6242	-13.0062	Live
12110		10/09/2015	19.6237	-13.0029	Live
12113		11/09/2015	20.3231	-13.1445	Live
12114		11/09/2015	20.8807	-12.1278	Live
12116		12/09/2015	20.5733	-12.5381	Live
12117		12/09/2015	20.5733	-12.5381	Live
12118		13/09/2015	21.1498	-11.9637	Live
12119		13/09/2015	21.0813	-11.9682	Live
12120		13/09/2015	20.5397	-12.7751	Live
	Dipodidæ				
6	<i>Jaculus</i> spp.	04/11/2003	28.4688	-11.0213	Run-over
24		11/11/2003	18.6335	-11.5925	Live
30		12/11/2003	18.3787	-11.1960	Live
42		17/11/2003	18.1137	-8.0333	Live
47		18/11/2003	17.5322	-7.4424	Live
52		19/11/2003	17.2252	-7.0686	Run-over
53		19/11/2003	17.1950	-7.1412	Run-over

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
55	<i>Jaculus</i> spp. (continued)	19/11/2003	16.8966	-7.4433	Live
99		24/11/2003	17.8992	-12.3337	Run-over
100		24/11/2003	17.9383	-12.2671	Run-over
101		24/11/2003	17.9383	-12.2671	Run-over
112		24/11/2003	17.9393	-12.2583	Live
113		25/11/2003	17.6925	-12.5711	Run-over
117		25/11/2003	17.3925	-13.4528	Run-over
144		30/11/2003	24.8472	-14.8444	Run-over
145		30/11/2003	25.2450	-14.8211	Run-over
493		11/11/2004	17.4082	-16.0622	Run-over
506		17/11/2004	19.4387	-14.7538	Run-over
511		17/11/2004	19.6406	-14.5217	Run-over
535		26/11/2004	21.9372	-16.8750	Run-over
536		26/11/2004	21.9685	-16.8741	Run-over
541		27/11/2004	22.3674	-16.4623	Run-over
549		28/11/2004	24.7880	-14.8653	Run-over
796		28/11/2005	24.6861	-14.8619	Run-over
800		28/11/2005	25.3062	-14.8033	Run-over
945		29/12/2006	28.6328	-10.7526	Run-over
1003		29/01/2007	20.3779	-15.9911	Run-over
1169		09/01/2002	16.8343	-16.0899	Run-over
1283		03/12/2007	22.4464	-16.4483	Run-over
1630		24/09/2008	21.3550	-13.0249	Found dead
2105		17/10/2008	17.2670	-10.6927	Live
2981		31/03/2009	18.4015	-12.3808	Live
3055		06/04/2009	17.8951	-11.7161	Run-over
3107		08/04/2009	18.0208	-12.0499	Run-over
4419		23/10/2010	28.8293	-10.2658	Run-over
4435		25/10/2010	20.9968	-16.2825	Run-over
4436		25/10/2010	20.9290	-16.2214	Run-over
4437		25/10/2010	20.6017	-16.0124	Run-over
4576		02/11/2010	16.5660	-14.1981	Run-over
4580		02/11/2010	16.4347	-14.0368	Run-over
5000		19/11/2010	18.9008	-15.4159	Run-over
5186		28/11/2010	20.7244	-16.0571	Run-over
5188		28/11/2010	20.3788	-15.9912	Run-over
5286		02/12/2010	20.6131	-16.0126	Run-over
5301		03/12/2010	22.6387	-16.3368	Run-over

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
5304	<i>Jaculus</i> spp. (continued)	03/12/2010	24.2967	-15.3334	Run-over
5305		03/12/2010	24.6295	-14.9451	Run-over
5308		03/12/2010	25.3217	-14.7950	Run-over
5722		21/10/2011	25.2672	-14.8210	Run-over
5728		21/10/2011	24.0056	-15.6110	Run-over
5733		21/10/2011	22.8288	-16.2495	Run-over
5734		21/10/2011	22.5569	-16.3702	Run-over
5926		01/11/2011	20.0158	-13.8871	Run-over
6064		11/11/2011	18.2360	-11.5189	Run-over
6267		25/11/2011	18.4804	-16.0221	Run-over
6268		25/11/2011	18.4804	-16.0221	Run-over
6269		25/11/2011	18.4804	-16.0221	Run-over
6367		28/11/2011	19.9597	-16.0840	Found dead
6481		04/12/2011	22.2755	-16.4936	Run-over
6482		04/12/2011	22.3480	-16.4690	Run-over
6484		04/12/2011	24.0859	-15.5667	Run-over
6487		30/10/2011	21.3728	-11.9103	Live - Camera-trapping
6493		02/12/2011	20.9444	-16.5494	Live - Camera-trapping
6496		11/11/2011	17.6499	-11.3954	Live - Camera-trapping
6526		27/10/2011	21.4380	-12.9800	Live
6527		27/10/2011	21.3522	-13.0386	Live
6530		29/10/2011	20.5360	-12.9541	Live
6531		29/10/2011	20.5566	-12.5718	Live
6533		29/10/2011	20.5077	-12.8312	Run-over
6547		01/11/2011	20.2541	-13.2955	Run-over
6548		01/11/2011	20.2527	-13.3106	Run-over
6549		01/11/2011	19.6505	-14.5043	Run-over
6550		01/11/2011	19.6505	-14.5043	Run-over
6551		01/11/2011	19.6505	-14.5043	Run-over
6552		01/11/2011	19.6505	-14.5043	Run-over
6561		07/11/2011	17.5907	-12.8478	Run-over
6570		10/11/2011	18.0940	-12.1315	Run-over
6572		12/11/2011	22.1356	-16.5697	Run-over
6590		07/12/2011	28.3629	-10.7440	Run-over
7123		30/04/2012	28.1695	-11.2378	Run-over
7126		01/05/2012	26.7663	-13.1111	Run-over
7231		28/10/2012	27.1566	-10.8471	Live
7241		29/10/2012	27.0537	-11.4363	Run-over

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
7242	<i>Jaculus</i> spp. (continued)	29/10/2012	26.9591	-11.6574	Run-over
7243		29/10/2012	26.9326	-11.7000	Run-over
7244		29/10/2012	26.8112	-11.7460	Run-over
7246		29/10/2012	27.1106	-10.9636	Run-over
7266		30/10/2012	25.2457	-12.4876	Run-over
7943		04/11/2012	21.0209	-16.3044	Run-over
7946		10/11/2012	16.6334	-15.1956	Run-over
7947		14/11/2012	14.8346	-12.3326	Found dead
7948		14/11/2012	15.0257	-12.1833	Live
8035		01/09/2012	28.3296	-10.9133	Run-over
8037		01/09/2012	28.8234	-10.3710	Run-over
8069		01/03/2013	28.5975	-10.8592	Run-over
8070		01/03/2013	28.2977	-11.1888	Run-over
8072		01/03/2013	27.7233	-11.5649	Run-over
8076		01/03/2013	26.6885	-11.8539	Run-over
8401		31/10/2012	26.1701	-12.7315	Run-over
9072		27/10/2013	28.0688	-11.3608	Run-over
9083		30/10/2013	28.3606	-10.8588	Run-over
9087		04/11/2013	28.6554	-10.4860	Live
9096		01/01/2014	25.9355	-14.5142	Run-over
9099		01/01/2014	25.6543	-14.6604	Run-over
9120		02/01/2014	23.8457	-15.8625	Run-over
9147		04/01/2014	23.1150	-14.9644	Run-over
9209		08/01/2014	20.0926	-15.9268	Run-over
9226		12/01/2014	16.2197	-13.2597	Run-over
9235		12/01/2014	15.5654	-12.3265	Run-over
9784		02/02/2014	18.3829	-9.3125	Run-over
9829		04/02/2014	18.5585	-11.2484	Run-over
9886		07/02/2014	18.1087	-11.9155	Run-over
9889		07/02/2014	18.0004	-11.8837	Run-over
9952		31/01/2014	18.3838	-8.5216	Live - Camera-trapping
9956		04/02/2014	18.4428	-11.3873	Live - Camera-trapping
10001		08/01/2014	20.8444	-16.1488	Run-over
10096		05/02/2014	18.3568	-11.8161	Live
10097		05/02/2014	18.3568	-11.8161	Live
10111		07/02/2014	17.9933	-11.8800	Run-over
10355		02/03/2014	16.3545	-16.2238	Run-over
10416		14/05/2014	28.3925	-11.0281	Run-over

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
10428	<i>Jaculus</i> spp. (continued)	15/05/2014	28.1794	-11.8565	Run-over
10431		15/05/2014	28.5585	-10.9180	Run-over
11043		17/11/2014	16.0677	-11.5087	Run-over
11379		27/11/2014	18.1968	-15.0468	Run-over
11382		27/11/2014	18.2613	-14.9809	Run-over
11384		27/11/2014	18.4895	-14.6437	Run-over
11408		29/11/2014	18.4291	-14.8013	Run-over
11411		02/12/2014	22.0610	-16.7362	Run-over
11482		02/06/2014	28.7665	-9.1151	Run-over
11505		01/11/2014	28.8404	-10.3149	Run-over
11511		15/02/2015	27.9240	-11.4440	Run-over
11514		15/02/2015	27.9072	-11.6001	Live
11515		15/02/2015	27.8951	-11.6103	Live
11516		15/02/2015	27.9009	-11.6050	Live
11517		15/02/2015	27.8753	-11.5883	Live
11518		15/02/2015	27.9072	-11.6001	Live
11529		19/02/2015	27.2241	-12.8826	Run-over
11544		21/02/2015	26.5794	-12.7685	Run-over
11547		22/02/2015	27.0462	-11.5370	Run-over
11548		22/02/2015	27.0542	-11.4324	Run-over
11550		23/02/2015	27.0756	-11.7555	Run-over
11552		23/02/2015	27.3862	-11.6936	Run-over
11553		23/02/2015	27.4525	-11.6808	Run-over
11554		23/02/2015	27.4529	-11.6807	Run-over
11555		23/02/2015	27.5749	-11.6340	Run-over
11557		23/02/2015	27.9381	-11.5773	Live
11559		23/02/2015	27.9020	-11.6049	Live
11560		23/02/2015	27.9177	-11.5527	Live
11561		23/02/2015	27.9184	-11.5536	Live
11562		23/02/2015	27.9139	-11.5454	Live
11563		23/02/2015	27.9022	-11.6040	Live
11564		23/02/2015	27.9270	-11.5711	Live
11565		23/02/2015	27.9066	-11.6010	Live
11566		23/02/2015	27.9381	-11.5773	Live
11568		24/02/2015	27.9258	-11.4442	Run-over
11572		24/02/2015	28.1096	-11.3014	Run-over
11589		17/01/2015	22.7048	-14.5202	Run-over
11606		14/08/2015	26.6675	-13.6283	Run-over

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
11612	<i>Jaculus</i> spp. (continued)	14/08/2015	25.6449	-14.6608	Run-over
11618		15/08/2015	24.5872	-14.9847	Run-over
11619		15/08/2015	24.4610	-15.0405	Run-over
11620		15/08/2015	24.1061	-15.5417	Run-over
12060		15/08/2015	24.4564	-15.0428	Run-over
12064		20/09/2015	16.6072	-16.4418	Live
12065		21/08/2015	16.6776	-16.4089	Live
12066		21/08/2015	16.6776	-16.4089	Live
12084		03/09/2015	17.1816	-12.0774	Live
12095		06/09/2015	19.0073	-15.1959	Run-over
12105		09/09/2015	20.1169	-13.7059	Run-over
12121		13/09/2015	20.1722	-13.6587	Live
12123		14/09/2015	19.6322	-14.5382	Run-over
	Erinaceidæ				
37	<i>Atelerix albiventris</i>	14/11/2003	18.5280	-10.2290	Found dead
436		05/11/2004	14.3136	-8.1404	Run-over
437		06/11/2004	14.5434	-9.5092	Run-over
440		06/11/2004	14.5380	-9.5247	Run-over
441		06/11/2004	14.5241	-9.5444	Run-over
442		06/11/2004	14.5241	-9.5444	Run-over
459		07/11/2004	14.5040	-11.0909	Run-over
1179		12/01/2002	14.1205	-16.4598	Live
2418		28/10/2008	16.5402	-10.8651	Run-over
2914		25/03/2009	20.0957	-13.2035	Found dead
6005		07/11/2011	17.4244	-13.3572	Run-over
9388		17/01/2014	16.3858	-11.3760	Found dead
9452		20/01/2014	14.5401	-11.8663	Run-over
9454		20/01/2014	14.5658	-11.7331	Run-over
9455		20/01/2014	14.5521	-11.6993	Run-over
9479		21/01/2014	14.2793	-11.2686	Run-over
9480		21/01/2014	14.2577	-11.2628	Run-over
9481		21/01/2014	14.2538	-11.2603	Run-over
9482		21/01/2014	14.2538	-11.2603	Run-over
9558		23/01/2014	14.6979	-10.2695	Run-over
9882		06/02/2014	18.2060	-11.7309	Found dead
10774		10/11/2014	16.2927	-13.8155	Run-over
11678		20/08/2015	16.6746	-16.3948	Found dead
11718		25/08/2015	16.2613	-13.7154	Run-over

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
11930	<i>Atelerix albiventris</i> (cont.d)	03/09/2015	16.9929	-12.3277	Run-over
143	<i>Paræchinus æthiopicus</i>	30/11/2003	24.8460	-14.8451	Run-over
470		08/11/2004	16.0768	-13.9053	Run-over
472		08/11/2004	16.1275	-13.9654	Run-over
479		08/11/2004	16.3491	-14.2484	Run-over
482		08/11/2004	16.5229	-15.4240	Run-over
509		17/11/2004	19.5583	-14.6324	Run-over
510		17/11/2004	19.6088	-14.5701	Run-over
512		17/11/2004	19.6430	-14.5171	Run-over
515		17/11/2004	19.8448	-14.2464	Run-over
1311		08/12/2007	16.3027	-13.8793	Run-over
1948		09/10/2008	18.8745	-11.8175	Found dead
2080		15/10/2008	17.2498	-10.6676	Found dead
2207		22/10/2008	16.3826	-9.5648	Run-over
2756		24/11/2008	20.4696	-16.2345	Found dead
2911		24/03/2009	20.5314	-13.0267	Run-over
3007		02/04/2009	18.2058	-11.9723	Live
3018		04/04/2009	18.2557	-11.7856	Found dead
3041		05/04/2009	17.9930	-12.2474	Run-over
3501		07/05/2009	17.8372	-14.5603	Found dead
3525		11/05/2009	19.4622	-16.0705	Found dead
4433		25/10/2010	22.0447	-16.7649	Run-over
4958		16/11/2010	17.5830	-12.8665	Run-over
4959		16/11/2010	17.5768	-12.8855	Run-over
4983		17/11/2010	17.1728	-13.8699	Run-over
5219		29/11/2010	20.4131	-14.9568	Found dead
5302		03/12/2010	23.0291	-16.1010	Run-over
5303		03/12/2010	23.7109	-15.7962	Run-over
5711		20/10/2011	28.7523	-10.4832	Run-over
5730		21/10/2011	23.7291	-15.7804	Run-over
5731		21/10/2011	23.4354	-15.9687	Run-over
5732		21/10/2011	23.1170	-16.0707	Run-over
5787		24/10/2011	21.5196	-12.8533	Live - Camera-trapping
5838		27/10/2011	22.0648	-12.7110	Fæces
5876		29/10/2011	20.5772	-12.4583	Live
5914		01/11/2011	20.2698	-13.2302	Run-over
5915		01/11/2011	20.2698	-13.2302	Run-over
5916		01/11/2011	20.1274	-13.6913	Run-over

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
5917	<i>P. aethiopicus (continued)</i>	01/11/2011	19.9933	-13.9289	Run-over
6046		10/11/2011	18.2551	-11.7595	Run-over
6066		11/11/2011	17.6327	-11.4601	Run-over
6272		25/11/2011	18.9823	-16.1859	Run-over
6311		26/11/2011	19.5675	-16.3837	Live
6336		27/11/2011	19.7875	-16.1511	Live - Trap
6432		01/12/2011	20.7896	-16.4580	Found dead
7064		25/07/2012	21.4872	-11.3360	Live
7073		16/07/2012	20.7177	-11.8827	Live
7122		01/05/2012	28.5320	-10.3300	Run-over
7124		30/04/2012	28.3464	-11.1748	Run-over
7365		03/11/2012	23.1700	-16.1156	Run-over
7368		08/11/2012	17.5975	-16.0207	Run-over
8032		01/09/2012	28.4957	-10.3786	Run-over
8138		06/05/2013	28.4982	-10.4331	Found dead
9106		02/01/2014	25.3289	-14.7916	Run-over
9124		03/01/2014	23.4237	-15.9114	Run-over
9363		16/01/2014	16.4895	-11.0579	Found dead
9365		16/01/2014	16.4895	-11.0579	Found dead
9409		18/01/2014	15.1300	-11.6434	Live
9908		08/02/2014	17.6127	-12.7524	Run-over
9919		11/02/2014	20.9207	-16.2133	Run-over
11377		27/11/2014	17.6462	-14.8141	Run-over
11410		01/12/2014	20.4247	-15.9938	Run-over
	Felidae				
83	<i>Felis silvestris lybica</i>	21/11/2003	17.0397	-11.9674	Run-over
798		28/11/2005	24.7977	-14.8608	Run-over
948		29/12/2006	28.6281	-10.8061	Run-over
949		29/12/2006	28.4399	-11.3766	Run-over
1148		31/12/2001	24.1071	-15.5306	Run-over
1239		16/01/2002	14.9666	-13.5171	Live
2135		19/10/2008	16.9003	-10.1782	Live
2200		21/10/2008	16.8642	-9.5834	Live
2226		23/10/2008	16.4680	-10.0287	Run-over
2229		23/10/2008	16.3890	-10.3031	Run-over
3305		24/04/2009	16.7462	-11.6222	Run-over
3488		06/05/2009	17.7026	-14.5703	Live
4425		23/10/2010	28.6279	-10.7683	Run-over

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
4956	<i>F. s. lybica</i> (continued)	16/11/2010	17.1284	-12.5942	Live
4980		17/11/2010	17.2120	-13.8408	Run-over
6313		26/11/2011	19.5636	-16.3968	Live - Camera-trapping
7125		01/05/2012	27.6517	-12.9541	Run-over
7839		22/11/2012	16.6846	-11.2915	Live
7917		21/11/2012	16.4443	-11.7780	Live - Camera-trapping
7920		16/11/2012	16.6282	-16.2318	Live - Camera-trapping
9639		26/01/2014	16.4164	-8.9579	Run-over
9668		28/01/2014	17.2947	-7.0469	Live
9931		26/01/2014	16.4841	-9.2895	Live - Camera-trapping
9936		05/02/2014	18.3568	-11.8160	Live - Camera-trapping
9950		26/01/2014	16.4841	-9.2895	Live - Camera-trapping
9963		26/01/2014	16.4841	-9.2895	Live - Camera-trapping
10346		11/03/2014	14.9965	-16.7486	Run-over
11355		25/11/2014	16.4830	-10.6528	Live
11385		27/11/2014	18.4895	-14.6437	Live
11409		29/11/2014	18.4026	-14.8327	Run-over
11425		24/11/2014	16.6652	-9.8826	Live - Camera-trapping
11428		18/11/2014	15.5511	-11.0879	Live - Camera-trapping
11429		24/11/2014	16.6652	-9.8826	Live - Camera-trapping
	Gerbillidæ				
4593	<i>Desmodelliscus braueri</i>	02/11/2010	16.2570	-13.6580	Live
4594		02/11/2010	16.2570	-13.6580	Live
4595		02/11/2010	16.2570	-13.6580	Live
10004		11/01/2014	16.2756	-13.7037	Live
10005		11/01/2014	16.2756	-13.7037	Live
10006		12/01/2014	15.0957	-12.2438	Live
10007		13/01/2014	15.0537	-11.8554	Live
10017		18/01/2014	15.0373	-11.6218	Live
10023		20/01/2014	14.5392	-11.8655	Run-over
10040		23/01/2014	14.4952	-9.3430	Live
10041		23/01/2014	14.4952	-9.3430	Live
10100		05/02/2014	18.3568	-11.8161	Live
12068		26/08/2015	15.4703	-12.8874	Live
12069		28/08/2015	15.2598	-12.4834	Live
12071		30/08/2015	15.9573	-12.1075	Live
ZBSC 0203	<i>Gerbillus gerbillus</i>	23/10/2011	21.2802	-16.0917	Live - Trap
ZBSC 0209		24/10/2011	21.1974	-14.2221	Live - Trap

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
ZBSC 0212	<i>Gerbillus gerbillus</i> (cont.d)	24/10/2011	21.5194	-12.8528	Live
ZBSC 0227		30/10/2011	21.3728	-11.9104	Live
ZBSC 0251		05/11/2011	19.7400	-16.2746	Live
ZBSC 0297		01/11/2012	23.7841	-14.7938	Run-over
ZBSC 0300		02/11/2012	23.5799	-15.2325	Live - Trap
ZBSC 0301		02/11/2012	23.2568	-15.8873	Live
ZBSC 0488		26/01/2014	16.4841	-9.2896	Live - Trap
ZBSC 0490		28/01/2014	17.5891	-7.4460	Live
ZBSC 0493		29/01/2014	18.0995	-8.0107	Live
ZBSC 0495		30/01/2014	18.3807	-8.2722	Live
ZBSC 0500		31/01/2014	18.3837	-8.5217	Live - Trap
ZBSC 0505		01/02/2014	18.3674	-9.0485	Live
ZBSC 0513		02/02/2014	18.5787	-9.8186	Live
ZBSC 0520		04/02/2014	18.4471	-10.6833	Live - Trap
ZBSC 0531		04/02/2014	18.4428	-11.3873	Live - Trap
ZBSC 0547		06/02/2014	18.3568	-11.8161	Live - Trap
ZBSC 0556		07/02/2014	18.2062	-11.7303	Live - Trap
ZBSC 0572		10/02/2014	20.7304	-16.0248	Live
ZBSC 0712		14/08/2015	28.0007	-12.2193	Live - Trap
ZBSC 0760		06/09/2015	19.1149	-14.9442	Live
ZBSC 0765		08/09/2015	19.0716	-15.0500	Live
ZBSC 0782		13/09/2015	20.1722	-13.6587	Live
ZBSC 0784		18/09/2015	27.9260	-12.4673	Live
5	<i>Psammomys obesus</i>	04/11/2003	28.6659	-10.6822	Live
146		01/12/2003	28.4783	-11.2344	Run-over
566		04/12/2004	28.7447	-10.7438	Live
1591		18/09/2008	28.7102	-10.5251	Live
3551		17/05/2009	19.5583	-16.4019	Fæces
3578		15/05/2009	19.4276	-16.4683	Live
4421		23/10/2010	28.6961	-10.5608	Run-over
4422		23/10/2010	28.6279	-10.7683	Run-over
4426		23/10/2010	28.4164	-11.3960	Run-over
5309		04/12/2010	28.4785	-11.2184	Run-over
5310		04/12/2010	28.6218	-10.7751	Run-over
5713		20/10/2011	28.7449	-10.4945	Run-over
7230		28/10/2012	27.1566	-10.8471	Live
7400		09/11/2012	16.2336	-16.4199	Live
8073		01/03/2013	27.5694	-11.6377	Run-over

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
8382	<i>P. obesus</i> (continued)	01/05/2013	28.6292	-10.8143	Run-over
10417		14/05/2014	28.4666	-11.1663	Run-over
10429		15/05/2014	28.2506	-11.6324	Run-over
11519		15/02/2015	27.9009	-11.6050	Live
11524		17/02/2015	27.7479	-12.9324	Run-over
11526		17/02/2015	27.3778	-13.0433	Run-over
11530		19/02/2015	27.1766	-13.1594	Run-over
11540		21/02/2015	26.6743	-12.9478	Live
11571		24/02/2015	28.1096	-11.3014	Run-over
11573		24/02/2015	28.2438	-11.2190	Run-over
11574		24/02/2015	28.2730	-11.2114	Run-over
11605		14/08/2015	27.9014	-12.8750	Run-over
12056		13/08/2015	28.0007	-12.2193	Live
12059		15/08/2015	24.4610	-15.0406	Run-over
	Hystriidae				
39	<i>Hystrix cristata</i>	16/11/2003	18.3910	-8.5536	Spines
92		22/11/2003	17.2791	-12.2214	Spines
1413		15/12/2007	17.2742	-12.2270	Spines
1426		16/12/2007	17.4014	-12.3641	Spines
1641		26/09/2008	20.5192	-13.1325	Spines
2271		25/10/2008	16.7018	-10.1835	Spines
2653		12/11/2008	17.8212	-12.1857	Spines
2668		12/11/2008	17.7379	-12.2452	Spines
3002		02/04/2009	18.0705	-12.3339	Spines
3023		04/04/2009	18.1869	-11.7463	Spines
3220		16/04/2009	17.4265	-12.0101	Spines
3237		17/04/2009	17.3827	-11.7208	Spines
3256		19/04/2009	17.1733	-11.9380	Spines
3262		20/04/2009	17.1425	-11.8853	Spines
6043		09/11/2011	18.0534	-11.9428	Spines
7640		15/11/2012	15.5910	-12.2426	Spines
7666		15/11/2012	15.9570	-12.0098	Spines
7752		17/11/2012	16.0025	-11.8717	Spines
7801		20/11/2012	16.0532	-11.6698	Spines
9309		15/01/2014	16.1136	-10.9593	Spines
9362		16/01/2014	16.4895	-11.0579	Spines
9746		01/02/2014	18.3904	-8.5543	Spines
9804		03/02/2014	18.5928	-10.0262	Spines

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
10778	<i>Hystrix cristata</i> (continued)	11/11/2014	15.9463	-13.2937	Spines
11159		19/11/2014	15.5636	-10.9820	Spines
11345		25/11/2014	16.3714	-10.2454	Spines
	Leporidae				
7	<i>Lepus</i> sp.	05/11/2003	22.0694	-16.7080	Run-over
31		12/11/2003	18.3587	-11.1442	Live
40		17/11/2003	18.1326	-8.0710	Live
46		18/11/2003	17.5600	-7.4576	Live
51		19/11/2003	17.2592	-7.0678	Run-over
54		19/11/2003	17.1568	-7.2722	Live
79		21/11/2003	16.3864	-10.2970	Run-over
111		24/11/2003	17.9182	-12.2146	Live
141		29/11/2003	23.7580	-15.7560	Live
480		08/11/2004	16.4407	-14.3903	Run-over
516		17/11/2004	20.0624	-13.8087	Found dead
539		26/11/2004	22.1869	-16.5341	Run-over
546		28/11/2004	24.3894	-15.2506	Run-over
547		28/11/2004	24.4056	-15.2132	Run-over
550		28/11/2004	24.9539	-14.8133	Run-over
552		29/11/2004	25.6895	-14.6544	Run-over
556		30/11/2004	26.4285	-14.0074	Run-over
558		30/11/2004	26.5479	-13.8202	Run-over
563		02/12/2004	27.5956	-12.9983	Live
794		27/11/2005	21.6952	-16.9152	Run-over
1006		31/01/2007	25.4066	-14.7558	Run-over
1150		04/01/2002	21.1833	-13.7500	Live
1241		16/01/2002	14.9666	-13.5171	Live
1246		17/01/2002	16.5083	-14.6216	Run-over
1281		02/12/2007	24.3030	-15.3245	Run-over
1352		11/12/2007	15.9074	-11.9565	Run-over
1599		19/09/2008	26.5757	-13.7782	Run-over
1620		23/09/2008	21.1936	-14.1231	Live
2108		18/10/2008	17.1777	-10.5384	Live
2199		21/10/2008	16.8642	-9.5834	Live
2780		27/11/2008	23.3996	-15.9866	Run-over
2781		27/11/2008	23.4890	-15.9403	Run-over
2832		14/03/2009	19.7438	-15.9657	Run-over
2840		17/03/2009	20.2086	-14.2739	Live

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
2849	<i>Lepus</i> sp. (continued)	18/03/2009	20.4736	-13.7946	Live
2878		21/03/2009	21.0085	-12.2698	Live
3271		21/04/2009	17.4627	-11.4557	Run-over
3573		14/05/2009	19.6564	-16.1888	Live
4428		23/10/2010	26.7904	-13.5022	Run-over
4429		23/10/2010	25.5198	-14.7072	Run-over
4432		25/10/2010	22.0447	-16.7649	Run-over
4991		17/11/2010	17.6745	-14.8619	Run-over
5032		21/11/2010	19.2482	-15.6335	Live
5185		28/11/2010	20.7481	-16.0765	Run-over
5300		02/12/2010	21.7979	-16.8860	Run-over
5717		20/10/2011	28.1221	-12.0048	Run-over
5729		21/10/2011	23.9966	-15.6159	Run-over
5829		26/10/2011	22.7029	-12.7849	Found dead
5873		29/10/2011	20.5323	-12.7672	Run-over
6387		29/11/2011	20.1808	-16.1474	Run-over
6573		13/11/2011	27.4876	-12.9840	Run-over
6594		02/11/2011	15.3694	-15.2716	Run-over
6596		17/11/2011	15.2990	-14.8006	Run-over
6597		13/12/2011	15.2990	-14.8006	Run-over
7056		17/11/2011	15.2005	-14.1686	Run-over
7057		17/11/2011	15.2174	-14.3149	Run-over
7105		20/07/2012	20.9918	-11.5023	Live
7189		27/10/2012	28.4466	-9.3697	Run-over
7908		28/11/2012	22.0950	-16.6308	Run-over
8078		01/03/2013	27.8110	-11.5213	Run-over
8165		06/05/2013	28.3943	-10.0927	Found dead
9091		31/12/2013	27.9734	-12.5043	Run-over
9097		01/01/2014	25.8590	-14.5517	Run-over
9123		03/01/2014	23.6839	-15.8189	Run-over
9178		06/01/2014	22.1625	-15.3379	Found dead
9445		20/01/2014	14.5415	-11.9514	Run-over
9933		03/02/2014	18.4472	-10.6832	Live - Camera-trapping
9958		05/02/2014	18.3568	-11.8160	Live - Camera-trapping
9959		06/02/2014	18.2060	-11.7309	Live - Camera-trapping
9965		03/02/2014	18.4472	-10.6832	Live - Camera-trapping
9974		11/01/2014	16.2756	-13.7036	Live - Camera-trapping
9975		13/01/2014	15.0956	-12.2437	Live - Camera-trapping

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
10414	<i>Lepus</i> sp. (continued)	13/05/2014	28.5191	-10.9558	Live
11412		02/12/2014	22.1784	-16.5381	Run-over
11438		01/12/2014	21.9091	-16.8694	Run-over
11510		15/02/2015	27.9263	-11.4444	Run-over
11512		15/02/2015	27.7476	-11.5488	Run-over
11525		17/02/2015	27.7314	-12.9398	Run-over
11531		19/02/2015	26.7765	-13.1115	Run-over
11536		20/02/2015	26.6743	-12.9478	Found dead
	Mustelidæ				
125	<i>Mellivora capensis</i>	25/11/2003	17.2787	-13.7699	Run-over
129		25/11/2003	17.0294	-13.9573	Run-over
132		25/11/2003	17.5847	-14.7408	Run-over
1162		09/01/2002	17.4007	-16.0636	Run-over
1323		09/12/2007	16.0193	-12.7691	Run-over
3332		25/04/2009	16.7564	-11.9972	Inquiry
3333		26/04/2009	16.8119	-11.9582	Found dead
3479		05/05/2009	17.1158	-13.5751	Burrow
9263		14/01/2014	15.1179	-11.8475	Burrow
9925		11/01/2014	16.2756	-13.7036	Live - Camera-trapping
11353		25/11/2014	16.4830	-10.6528	Howlings
12052		28/08/2015	15.2597	-12.4834	Live - Camera-trapping
	Procaviidæ				
93	<i>Procavia capensis</i>	22/11/2003	17.2791	-12.2214	Live
98		23/11/2003	17.4516	-12.3948	Track
105		24/11/2003	17.8939	-12.1209	Live
519		18/11/2004	20.5330	-12.8176	Live
520		19/11/2004	20.7452	-13.1345	Live
801		00/11/2005	20.9322	-11.6223	Live
954		08/01/2007	18.3259	-11.5399	Live
955		08/01/2007	18.1611	-11.5746	Live
962		09/01/2007	17.8348	-11.5578	Live
963		10/01/2007	17.6495	-11.3954	Live
1155		06/01/2002	20.5330	-12.8176	Live
1158		08/01/2002	20.3238	-13.1459	Live
1368		12/12/2007	16.5380	-10.7415	Live
1757		30/09/2008	20.2528	-13.0881	Live
2042		12/10/2008	17.7725	-11.5381	Live
2050		12/10/2008	17.6348	-11.4144	Live

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
2053	<i>Procavia capensis</i> (cont.d)	12/10/2008	17.6495	-11.3954	Live
2133		19/10/2008	16.9003	-10.1782	Live
2171		19/10/2008	16.6911	-9.7166	Live
2279		26/10/2008	16.6875	-10.1913	Live
2372		31/10/2008	16.5791	-10.7045	Live
2437		03/11/2008	15.9327	-12.0108	Live
2488		04/11/2008	15.9570	-12.0098	Howlings
2539		06/11/2008	16.5474	-12.0095	Live
2682		13/11/2008	17.6622	-12.2450	Live
2715		15/11/2008	17.8463	-12.0782	Live
2989		31/03/2009	18.3864	-12.1649	Live
3168		13/04/2009	17.5712	-12.1785	Live
3187		14/04/2009	17.2408	-12.1016	Live
3204		15/04/2009	17.2327	-12.1000	Live
3311		24/04/2009	16.7870	-11.9206	Live
3376		28/04/2009	17.0887	-12.1172	Found dead
3413		28/04/2009	17.1524	-12.1991	Live
3434		01/05/2009	17.4516	-12.3948	Found dead
3634		11/04/2009	17.7379	-12.2452	Live
4782		09/11/2010	15.9570	-12.0098	Live
4877		12/11/2010	17.1524	-12.1991	Live
5854		29/10/2011	20.5043	-12.8456	Run-over
6023		08/11/2011	17.8463	-12.0782	Live
6026		09/11/2011	17.8637	-12.0901	Live
6068		11/11/2011	17.6499	-11.3954	Live
6108		14/11/2011	16.5791	-10.7045	Howlings
7072		19/07/2012	20.9333	-11.6166	Live
7751		17/11/2012	16.0025	-11.8717	Live
7756		17/11/2012	16.0025	-11.8717	Found dead
7894		25/11/2012	17.1252	-12.0942	Live
9366		16/01/2014	16.4895	-11.0579	Live
9525		22/01/2014	14.1857	-10.7638	Fæces
9712		30/01/2014	18.1908	-8.1151	Found dead
9749		01/02/2014	18.3904	-8.5543	Found dead
9831		04/02/2014	18.4428	-11.3873	Fæces
9869		06/02/2014	18.4003	-11.8145	Found dead
10032		21/01/2014	14.0509	-11.2264	Fæces
10036		22/01/2014	14.2026	-10.7371	Fæces

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
10038	<i>Procavia capensis</i> (cont.d)	21/01/2014	14.4918	-10.2492	Fæces
10039		23/01/2014	14.6559	-10.2882	Fæces
11211		19/11/2014	15.7983	-10.8053	Live
11257		20/11/2014	16.0546	-10.5373	Live
11262		21/11/2014	16.0384	-10.5001	Live
11318		23/11/2014	16.6417	-9.9153	Live
11986		09/09/2015	20.2528	-13.0881	Live
	Sciuridæ				
50	<i>Xerus erythropus</i>	19/11/2003	17.4075	-7.2203	Live
66		20/11/2003	16.2901	-8.0647	Live
94		22/11/2003	17.2607	-12.2845	Live
103		24/11/2003	17.9656	-12.2153	Live
435		05/11/2004	14.2040	-8.1047	Live
438		05/11/2004	14.7508	-9.3067	Live
465		07/11/2004	14.6410	-12.3335	Live
495		11/11/2004	17.5693	-16.0276	Run-over
946		29/12/2006	28.6221	-10.7750	Live
947		29/12/2006	28.6221	-10.7750	Live
977		14/01/2007	15.7100	-5.7741	Live
978		15/01/2007	15.7590	-4.6093	Live
979		15/01/2007	15.8293	-4.3385	Live
998		27/01/2007	14.5909	-11.4322	Live
1163		09/01/2002	17.4007	-16.0636	Live
1164		09/01/2002	16.9251	-16.1253	Live
1165		09/01/2002	16.8068	-16.0968	Run-over
1178		12/01/2002	14.1205	-16.4598	Live
1238		16/01/2002	14.9666	-13.5171	Live
1244		17/01/2002	15.3815	-13.3950	Live
1249		18/01/2002	16.5141	-15.9250	Live
1290		06/12/2007	16.7861	-15.5683	Live
1291		06/12/2007	16.8399	-15.3521	Live
1303		07/12/2007	16.7489	-14.7368	Live
1314		08/12/2007	16.1345	-13.5932	Live
1348		10/12/2007	15.8832	-12.0363	Live
1357		11/12/2007	15.8964	-11.6314	Live
1366		12/12/2007	16.6000	-11.3250	Run-over
1394		14/12/2007	16.8002	-11.8407	Live
2062		13/10/2008	17.0909	-10.9970	Live

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
2063	<i>Xerus erythropus</i> (cont.d)	13/10/2008	17.0909	-10.9970	Live
2102		17/10/2008	17.3291	-10.7085	Live
2103		17/10/2008	17.3168	-10.7337	Live
2109		18/10/2008	17.1903	-10.5554	Live
2131		19/10/2008	16.9077	-10.1459	Live
2435		03/11/2008	15.9346	-12.0074	Live
2436		03/11/2008	15.9327	-12.0108	Live
2647		11/11/2008	17.5424	-12.4790	Live
2684		13/11/2008	17.8920	-12.1687	Live
2705		14/11/2008	17.9737	-12.1890	Live
2723		17/11/2008	18.0701	-12.3341	Live
2724		17/11/2008	18.1444	-12.3437	Live
2999		01/04/2009	18.2520	-12.3625	Live
3000		02/04/2009	18.1156	-12.3332	Live
3061		06/04/2009	17.6810	-11.7451	Live
3111		09/04/2009	17.9721	-12.2062	Live
3138		11/04/2009	17.8910	-12.1639	Live
3145		12/04/2009	17.7639	-12.2366	Live
3150		13/04/2009	17.7905	-12.2326	Live
3151		13/04/2009	17.8577	-12.1858	Live
3176		14/04/2009	17.4725	-12.1683	Live
3181		14/04/2009	17.3832	-12.2060	Live
3185		14/04/2009	17.3433	-12.1814	Live
3215		16/04/2009	17.3642	-12.0493	Live
3245		19/04/2009	17.2448	-11.9317	Live
3287		21/04/2009	17.4810	-11.4884	Live
3446		02/05/2009	17.2164	-12.4045	Live
3457		03/05/2009	17.0541	-12.6891	Live
4440		27/10/2010	17.4177	-16.0560	Run-over
4517		31/10/2010	16.5772	-15.7897	Live
4526		31/10/2010	16.6909	-15.6729	Live
4541		01/11/2010	16.8183	-15.3422	Live
4549		01/11/2010	16.8119	-15.3134	Live
4553		01/11/2010	16.7885	-15.3196	Live
4575		02/11/2010	16.6471	-14.3363	Live
4657		05/11/2010	15.4247	-12.9315	Live
4664		06/11/2010	15.3527	-12.7001	Live
4692		06/11/2010	15.2453	-12.3409	Live

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
4701	<i>Xerus erythropus</i> (cont.d)	07/11/2010	15.1474	-12.1360	Live
4713		07/11/2010	15.4072	-11.7496	Live
4727		08/11/2010	15.5913	-11.8804	Live
4751		08/11/2010	15.5792	-11.9639	Live
4774		09/11/2010	15.8643	-12.1768	Live
4986		17/11/2010	17.1503	-13.8785	Live
6129		17/11/2011	16.3109	-12.5728	Live
6198		19/11/2011	15.1769	-12.7740	Live
6213		20/11/2011	15.2524	-12.8502	Live
7477		12/11/2012	15.4283	-12.9288	Live
7494		12/11/2012	15.1805	-12.7739	Live
7523		13/11/2012	15.0936	-12.6215	Live
7573		13/11/2012	15.0662	-12.4035	Live
7582		14/11/2012	15.0397	-12.3359	Live
7601		14/11/2012	14.8090	-12.3089	Live
9230		12/01/2014	16.1104	-12.9248	Run-over
9257		13/01/2014	15.0221	-11.9587	Live
9289		15/01/2014	15.8848	-11.4140	Live
9294		15/01/2014	15.9228	-11.2307	Live
9319		16/01/2014	16.2605	-10.9748	Live
9327		16/01/2014	16.2869	-11.0631	Live
9350		16/01/2014	16.4848	-11.0691	Live
9375		17/01/2014	16.4560	-11.1713	Live
9401		18/01/2014	15.3769	-11.5982	Live
9528		22/01/2014	14.2017	-10.7369	Live
9605		25/01/2014	15.9557	-9.4687	Live
9659		27/01/2014	16.8636	-7.4627	Live
9874		06/02/2014	18.4003	-11.8145	Live
10359		27/02/2014	15.2232	-16.5646	Run-over
10775		10/11/2014	16.1514	-13.5375	Run-over
10820		12/11/2014	15.4376	-12.8852	Live
10828		12/11/2014	15.1821	-12.7756	Live
10830		12/11/2014	15.1150	-12.6611	Live
10834		12/11/2014	15.1102	-12.6613	Live
10839		12/11/2014	15.1107	-12.6532	Live
10979		15/11/2014	15.4729	-11.7335	Live
11046		17/11/2014	15.8771	-11.3989	Live
11111		18/11/2014	15.6204	-11.2522	Live

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
11132	<i>Xerus erythropus</i> (cont.d)	18/11/2014	15.5316	-11.1800	Live
11151		19/11/2014	15.5767	-11.0446	Live
11163		19/11/2014	15.5590	-10.9065	Live
11167		19/11/2014	15.6543	-10.8423	Live
11242		20/11/2014	15.8356	-10.7482	Live
11263		21/11/2014	16.0350	-10.5022	Live
11268		21/11/2014	16.0640	-10.5885	Live
11279		21/11/2014	16.0787	-10.5491	Live
11301		23/11/2014	16.5495	-9.9589	Live
11682		21/08/2015	16.5759	-16.4403	Live
11687		21/08/2015	16.5353	-16.4447	Live
11731		26/08/2015	15.8177	-13.2802	Live
	Suidæ				
97	<i>Phacochoerus africanus</i>	23/11/2003	17.4516	-12.3948	Track
486		10/11/2004	16.3407	-16.3529	Live
488		10/11/2004	16.5239	-16.2055	Live
1172		09/01/2002	16.5239	-16.2055	Track
1248		18/01/2002	16.4918	-16.0316	Live
4484		29/10/2010	16.4068	-16.4526	Live
4497		29/10/2010	16.3763	-16.4218	Live
4500		29/10/2010	16.3780	-16.3867	Found dead
5312		30/10/2010	16.4990	-16.0568	Live
7371		09/11/2012	16.5798	-16.2570	Live
10753		10/11/2014	16.8487	-15.2969	Live
11419		06/11/2014	16.3698	-16.3414	Live
11663		20/08/2015	16.7565	-16.3740	Live
11665		20/08/2015	16.7133	-16.3812	Live
11703		22/08/2015	16.4093	-16.4324	Live
	Viverridæ				
969	<i>Genetta genetta</i>	11/01/2007	16.5065	-10.4147	Live
1168		09/01/2002	16.9484	-16.1136	Run-over
2730		18/11/2008	17.5528	-12.9530	Run-over
2833		14/03/2009	19.7299	-15.9711	Run-over
3255		19/04/2009	17.1733	-11.9380	Live
3456		02/05/2009	17.0698	-12.6886	Live
3484		05/05/2009	17.1937	-14.1745	Run-over
4585		02/11/2010	16.3033	-13.8838	Run-over
4843		11/11/2010	16.5474	-12.0095	Live

Table S2 – Locations of observations of mammals in the West Sahara-Sahel. Coordinates in decimal degrees (WGS84 datum).

Code	Taxon	Date	Latitude	Longitude	State
4946	<i>Genetta genetta</i> (continued)	15/11/2010	17.0698	-12.6886	Live
6507		21/11/2011	15.5987	-13.1111	Live - Camera-trapping
7369		08/11/2012	17.3169	-16.0797	Run-over
7421		10/11/2012	16.5488	-15.7207	Run-over
10749		09/11/2014	16.5471	-15.5940	Run-over
10771		10/11/2014	16.6085	-15.3297	Run-over
11042		17/11/2014	16.3281	-11.4812	Run-over
11424		18/11/2014	15.5511	-11.0879	Live - Camera-trapping
11809		29/08/2015	15.2501	-12.4067	Live

Supplementary Information

Biogeography and conservation of mammals from the West Sahara-Sahel: an application of ecological niche-based models and GIS

Vale C.G., Campos J.C., Silva T.L., Gonçalves D.V., Sow A.S., Martínez-Freiría F., Boratyński Z., Brito J.C.

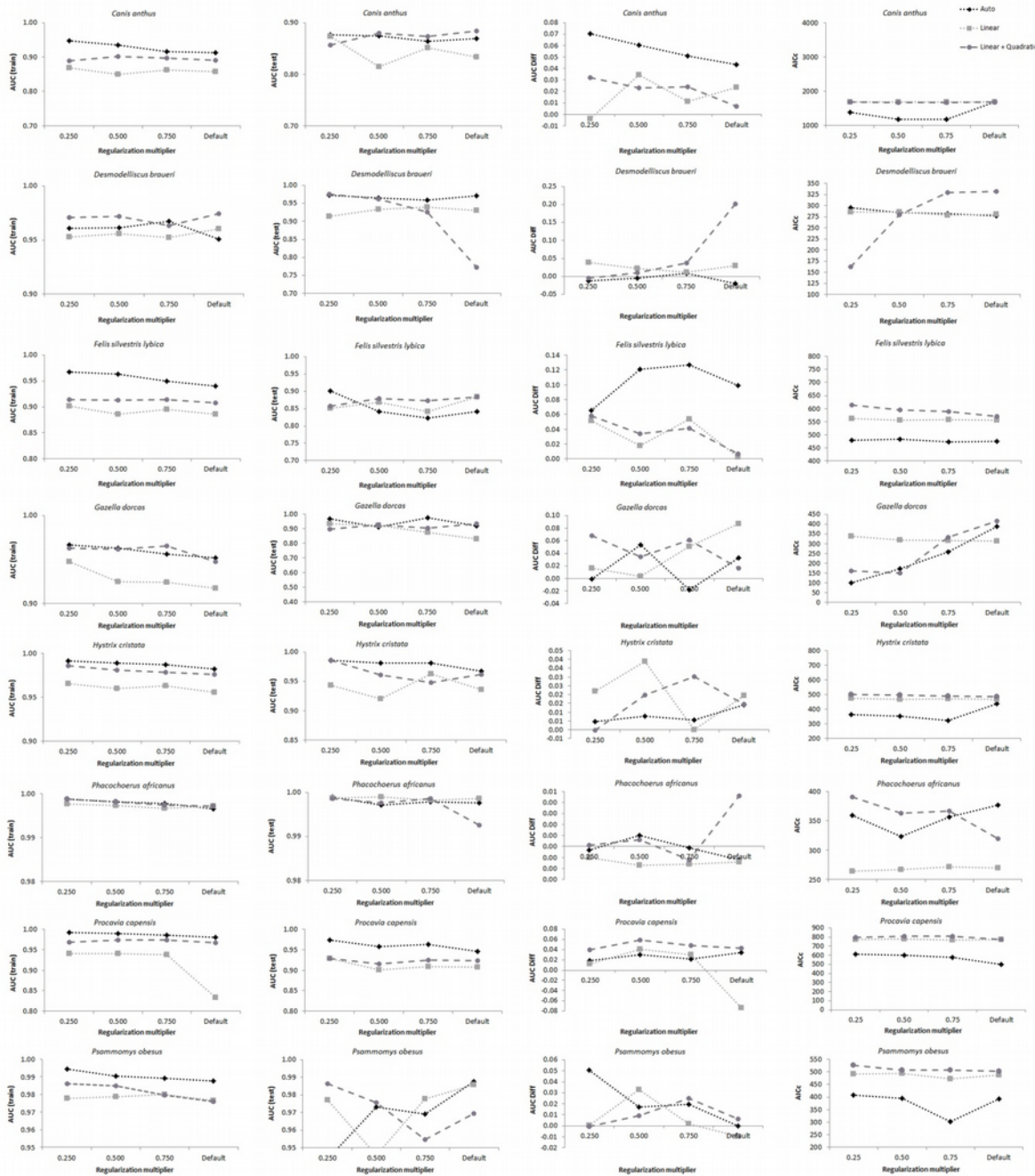


Figure S3 - Evaluation of Maxent models, comparing performance between models built with four values of regularization multiplier and three feature types (linear, linear and quadratic, and auto-features). Results correspond to analyses of species with different number of occurrences and biogeographic affinities. The Area Under the Curve for the training (AUC train) and test (AUC Test) datasets, the difference between both (AUC Diff) and the corrected Akaike information criteria (AICc) plot versus values of regularization multiplier.

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Table S4 – Measures of the fit of ecological niche-based models for each taxon. Average and standard deviation (SD) of training and test AUC of replicates, and the percentage of correct classification rate (% CCR).

Taxon	AUC (SD)	Test AUC (SD)	%CCR
<i>Atelerix albiventris</i>	0.95 (0.014)	0.85 (0.200)	100
<i>Canis anthus</i>	0.92 (0.004)	0.88 (0.035)	100
<i>Desmodelliscus braueri</i>	0.98 (0.013)	0.93 (0.136)	81.8
<i>Erythrocebus patas</i>	0.97 (0.009)	0.93 (0.080)	100
<i>Felis silvestris lybica</i>	0.95 (0.016)	0.85 (0.13)	90
<i>Felovia vae</i>	0.97 (0.013)	0.97(0.015)	96.9
<i>Gazella dorcas</i>	0.96(0.014)	0.91(0.109)	83.3
<i>Genetta genetta</i>	0.97 (0.011)	0.94 (0.070)	82.4
<i>Gerbillus gerbillus</i>	0.95 (0.017)	0.93 (0.120)	100
<i>Hystrix cristata</i>	0.99 (0.003)	0.98 (0.017)	100
<i>Jaculus spp.</i>	0.89 (0.0334)	0.84 (0.033)	100
<i>Lepus sp.</i>	0.88 (0.0511)	0.81 (0.051)	100
<i>Mellivora capensis</i>	0.97 (0.010)	0.94 (0.059)	66.7
<i>Papio papio</i>	0.99 (0.008)	0.98 (0.011)	100
<i>Paræchinus aethiopicus</i>	0.91 (0.044)	0.85 (0.051)	100
<i>Phacochærus africanus</i>	1.00 (0.002)	0.96 (0.141)	85.7
<i>Procavia capensis</i>	0.98 (0.017)	0.97 (0.028)	100
<i>Psammomys obesus</i>	0.99 (0.003)	0.97 (0.03)	88.9
<i>Vulpes pallida</i>	0.96 (0.020)	0.93 (0.029)	100
<i>Vulpes rueppellii</i>	0.91 (0.043)	0.86 (0.039)	77.8
<i>Vulpes zerda</i>	0.95 (0.032)	0.91(0.041)	100
<i>Xerus erythropus</i>	0.94 (0.022)	0.9 (0.029)	100

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Figure S5 – Jackknife results for the environmental factors used in ecological niche-based models for each taxon. For each variable, difference in average gain between models built without a given variable and models built with only that variable using training and test data are presented, as well differences in the AUC gain. Variables used were: HaPC1 - first component of HaPCA (Spatial principal component analysis of the habitat variables); HaPC2 - second component of HaPCA; HaPC3 - third component of HaPCA; HaPC4 - fourth component of HaPCA; TcPC1 - first component of TcPCA (Spatial principal component analysis of topoclimatic variables); TcPC2 - second component of TcPCA; and TcPC3 - third component of TcPCA.

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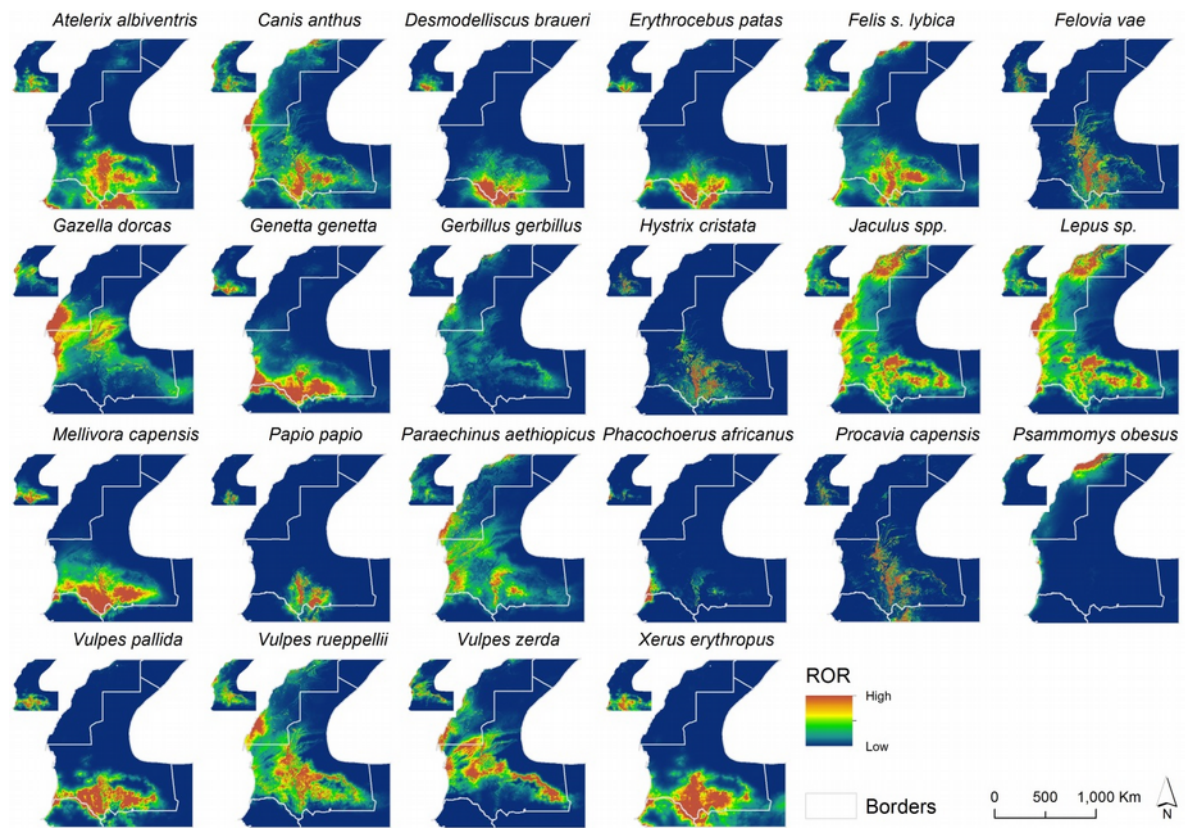


Figure S6 – Mean relative occurrence rate (ROR) of each taxon in the study area. Standard deviation models are represented in the small insets.

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Table S7 – Kappa coefficient measure of pairwise comparison between suitable areas of distinct taxa. Taxon codes are given in Tab. 1. Grey shades represent consistent groups of taxa with Kappa coefficients above 0.4 (except *).

.	Aalh	Dhra	Vnal	Enat	Xerv	Mcan	Ggen	Pafr	Fvæ	Pcan	Hcri	Pnan	Cant	Iacu	Lenu	Pæt	Vrue	Gger	Fslv	Gdor	Vzer	Pohe
Aalh	1.0																					
Dhra	0.6	1.0																				
Vnal	0.6	0.6	1.0																			
Enat	0.6	0.7	0.6	1.0																		
Xerv	0.5	0.5	0.7	0.4	1.0																	
Mcan	0.5	0.6	0.6	0.7	0.4	1.0																
Ggen	0.5	0.6	0.8	0.6	0.5	0.7	1.0															
Pafr*	0.0	0.0	0.1	0.1	0.1	0.1	0.2	1.0														
Fvæ	0.6	0.5	0.4	0.5	0.4	0.4	0.4	0.0	1.0													
Pcan	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.7	1.0												
Hcri	0.4	0.4	0.3	0.4	0.2	0.4	0.4	0.0	0.5	0.7	1.0											
Pnan	0.4	0.4	0.3	0.5	0.2	0.5	0.4	0.1	0.4	0.4	0.5	1.0										
Cant	0.2	0.2	0.2	0.1	0.4	0.1	0.2	0.0	0.2	0.1	0.1	0.1	1.0									
Iacu	0.1	0.1	0.2	0.1	0.2	0.1	0.2	0.0	0.1	0.1	0.1	0.0	0.7	1.0								
Lenu	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.7	0.6	1.0							
Pæt	0.1	0.1	0.3	0.1	0.2	0.2	0.3	0.0	0.2	0.1	0.1	0.1	0.6	0.7	0.5	1.0						
Vrue	0.1	0.0	0.2	0.0	0.1	0.2	0.2	0.0	0.2	0.2	0.1	0.0	0.5	0.6	0.4	0.7	1.0					
Gger	0.0	-0.1	0.1	-0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.5	0.6	0.4	0.6	0.8	1.0				
Fslv	0.4	0.4	0.6	0.4	0.6	0.4	0.5	0.1	0.4	0.3	0.3	0.2	0.4	0.3	0.3	0.4	0.4	0.3	1.0			
Gdor	-0.1	-0.2	-0.2	-0.2	-0.2	-0.1	-0.1	0.0	0.1	0.1	0.0	-0.1	0.1	0.2	0.1	0.4	0.4	0.4	0.0	1.0		
Vzer	-0.1	-0.2	0.0	-0.2	-0.1	-0.1	-0.1	0.0	0.1	0.1	0.0	-0.1	0.3	0.4	0.3	0.5	0.7	0.6	0.2	0.5	1.0	
Pohe	-0.1	-0.1	0.0	0.0	-0.1	0.0	0.0	0.1	-0.1	-0.1	-0.1	-0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	1.0

Supplementary Information

Biogeography and conservation of mammals from the West Sahara-Sahel: an application of ecological niche-based models and GIS

Vale C.G. , Campos J.C., Silva T.L., Gonçalves D.V., Sow A.S., Martínez-Freiría F., Boratyński Z., Brito J.C.

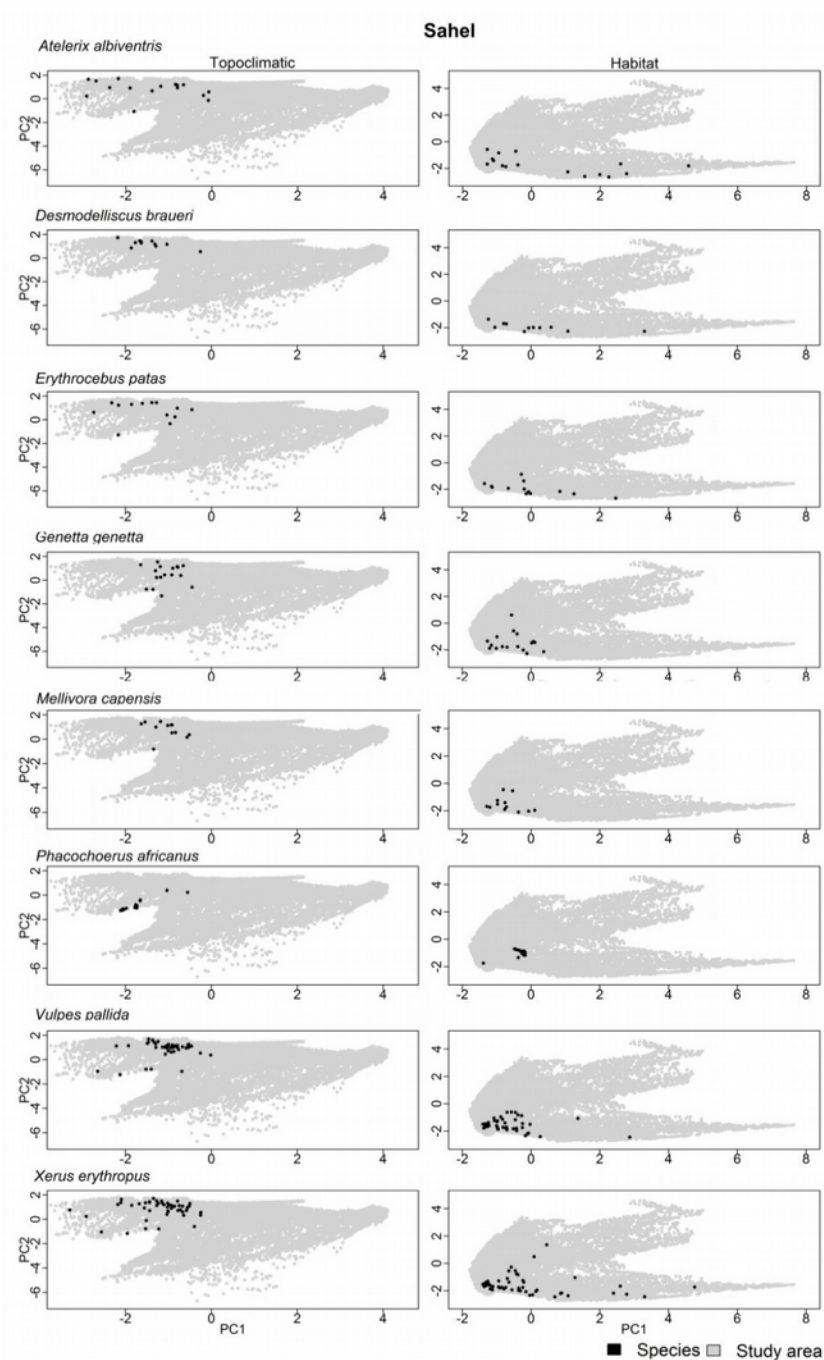


Figure S8 – Topoclimatic and habitat variability of the study area derived by a Spatial Principal Components Analysis and location of each taxa along the gradient. For the Topoclimatic variables, PC1 and PC2 explained 38% and 36% of the variance, respectively, accumulating most of the variability in temperature of the study area. For the Habitat variables, PC1 and PC2 explained 34% and 28% of variance, respectively and retained the variability in distance to gueltas, rivers and vegetated areas, and in distance bare areas and rocky deserts, respectively. Taxa are organised according to range similarities in the Sahara-Sahel (see Tab. S3 for details).

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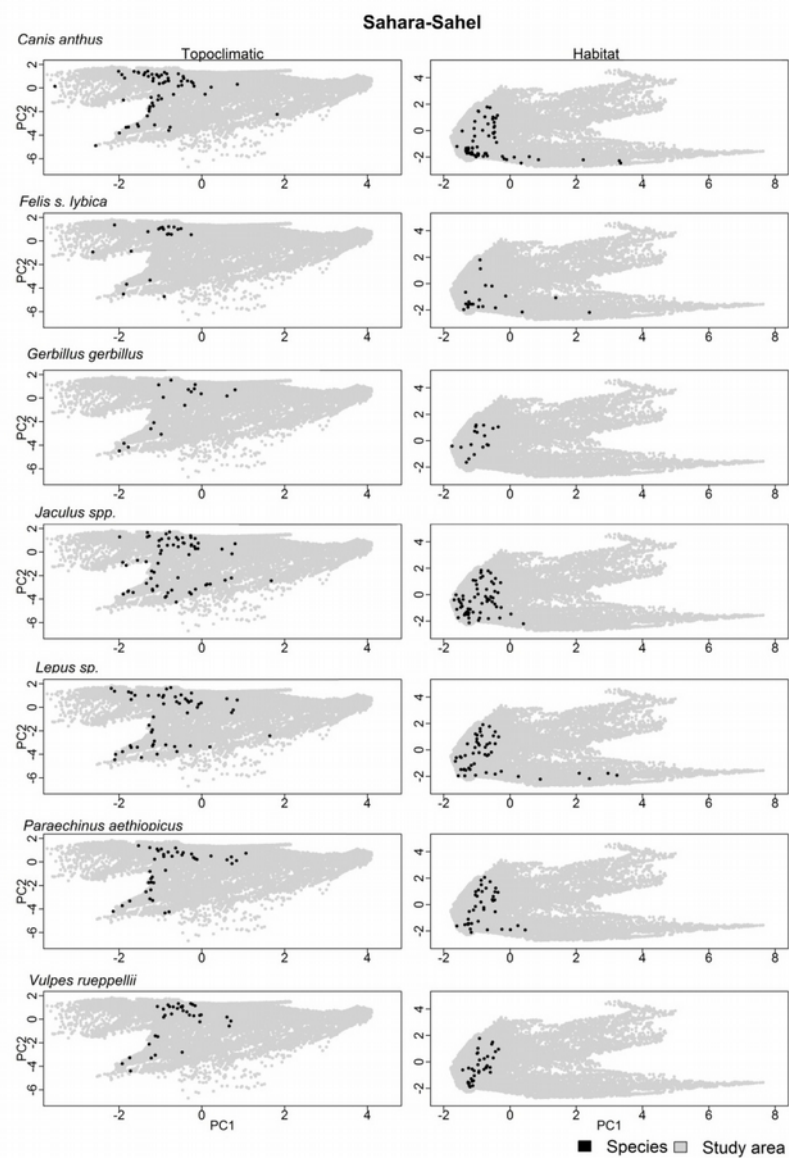


Figure S8 (continued) – Topoclimatic and habitat variability of the study area derived by a Spatial Principal Components Analysis and location of each taxa along the gradient.

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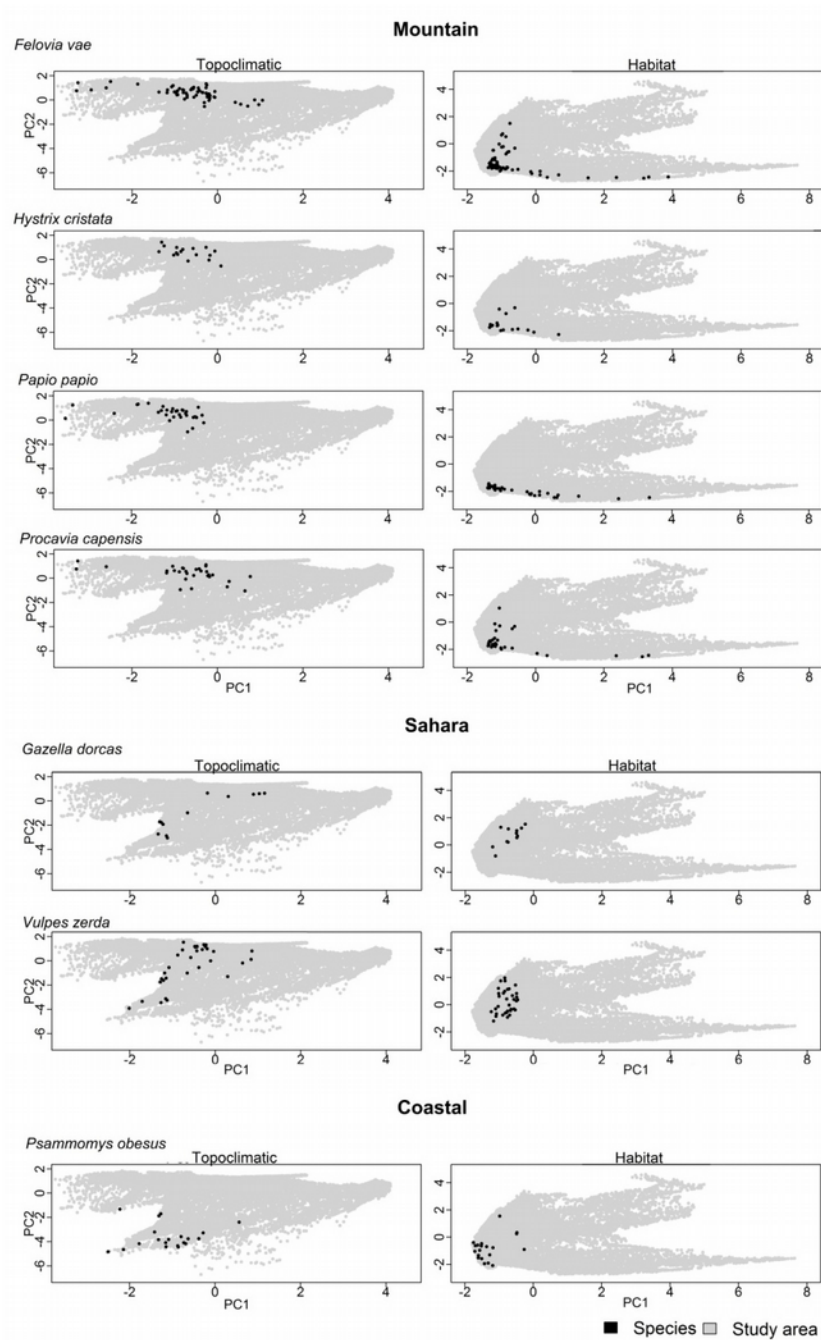


Figure S8 (continued) – Topoclimatic and habitat variability of the study area derived by a Spatial Principal Components Analysis and location of each taxa along the gradient.