

Table S8: Regression analysis of species characteristic variables vs initial occurrence and frequency of ecological stress

Table S8.1 Regression analysis of species characteristic variables and initial occurrence of ecological stress (ES)

Initial year of ES vs species characteristic		p-value				R sqr				R sq (adj)			
		K1	K2	K3	K4	K1	K2	K3	K4	K1	K2	K3	K4
No	Bm: body mass												
1	Number of species each location	0.068	0.396	0.328	0.321	15.6%	2.8%	23.6%	9.8%	11.4%	-1.0%	4.5%	0.8%
2	Ratio between number of big mammal and total number	0.000	0.754	0.293	0.124	47.1%	0.4%	26.8%	22.0%	44.4%	-3.4%	8.5%	14.1%
3	Ratio between number of small mammal and total number	0.000	0.754	0.293	0.124	47.1%	0.4%	26.8%	22.0%	44.4%	-3.4%	8.5%	14.1%
4	Number of small mammal/big mammal	0.000	0.685	0.303	0.136	46.9%	0.6%	25.8%	20.8%	44.2%	-3.2%	7.3%	12.9%
5	Number of big mammal/small mammal	0.002	0.784	0.121	0.091	38.3%	0.3%	49.0%	25.9%	35.2%	-3.5%	36.3%	18.4%
6	Ratio number of herbivore/total number of mammal	0.989	0.144	0.272	0.681	0.0%	8.0%	28.8%	1.8%	-5.0%	4.5%	11.0%	-8.1%
7	Ratio number of omnivore/total number of mammal	0.867	0.299	0.323	0.761	0.1%	4.1%	24.1%	1.0%	-4.8%	0.4%	5.1%	-8.9%
8	Ratio number of carnivore/ total number of mammal	0.050	0.023	0.613	0.512	17.9%	18.4%	7.0%	4.4%	13.8%	15.3%	-16.3%	-5.1%
9	Number of herbivore/(omnivore+carnivore)	0.980	0.110	0.192	0.757	0.0%	9.5%	38.1%	1.0%	-5.0%	6.0%	22.6%	-8.9%
10	Number of omnivora/(herbivore+carnivore)	0.462	0.269	0.407	0.676	2.7%	4.7%	17.6%	1.8%	-2.1%	1.0%	-3.0%	-8.0%
11	Number of carnivora/(herbivore+omnivore)	0.052	0.024	0.634	0.510	17.5%	18.2%	6.2%	4.5%	13.4%	15.0%	-17.2%	-5.1%
No	Hr: Home range												
1	Number of species each location	0.479	0.828	0.407	0.953	2.3%	0.2%	17.6%	0.0%	-2.1%	-3.3%	-3.0%	-10.0%
2	Ratio between number of big mammal and total number	0.057	0.003	0.407	0.495	15.5%	26.4%	17.6%	4.8%	11.6%	23.8%	-3.0%	-4.7%
3	Ratio between number of small mammal and total number	0.057	0.014	0.407	0.495	15.5%	19.0%	17.6%	4.8%	11.6%	16.2%	-3.0%	-4.7%
4	Number of small mammal/big mammal	0.006	0.861	0.407	0.497	30.1%	0.1%	17.6%	4.7%	26.9%	-3.3%	-3.0%	-4.8%
5	Number of big mammal/small mammal	0.177	0.730	0.108	0.400	8.1%	0.4%	51.6%	7.2%	4.0%	-3.0%	39.5%	-2.1%
6	Ratio number of herbivore/total number of mammal	0.996	0.019	0.075	0.440	0.0%	17.6%	58.8%	6.1%	-4.5%	14.8%	48.5%	-3.3%
7	Ratio number of omnivore/total number of mammal	0.064	0.032	0.036	0.947	14.8%	14.9%	70.7%	0.0%	10.9%	12.0%	63.4%	-9.9%
8	Ratio number of carnivore/ total number of mammal	0.079	0.653	0.155	0.696	13.3%	0.7%	43.3%	1.6%	9.4%	-2.7%	29.2%	-8.2%
9	Number of herbivore/(omnivore+carnivore)	0.925	0.194	0.095	0.443	0.0%	5.7%	54.2%	6.0%	-4.5%	2.5%	42.8%	-3.4%
10	Number of omnivora/(herbivore+carnivore)	0.190	0.869	0.032	0.908	7.7%	0.1%	72.2%	0.1%	3.5%	-3.3%	65.3%	-9.8%
11	Number of carnivora/(herbivore+omnivore)	0.040	0.354	0.203	0.613	17.8%	3.0%	36.7%	2.7%	14.0%	-0.4%	20.8%	-7.1%
No	Bmr: Bassal metabolism rate												
1	Number of species each location	0.213	0.333	0.222	0.616	6.9%	3.0%	34.3%	2.6%	2.7%	-0.1%	17.9%	-7.1%
2	Ratio between number of big mammal and total number	0.000	0.045	0.304	0.064	51.2%	12.4%	25.8%	30.2%	49.0%	9.5%	7.2%	23.3%
3	Ratio between number of small mammal and total number	0.000	0.045	0.304	0.064	51.2%	12.4%	25.8%	30.2%	49.0%	9.5%	7.2%	23.3%
4	Number of small mammal/big mammal	0.000	0.012	0.304	0.065	55.5%	18.8%	25.8%	30.1%	53.5%	16.2%	7.2%	23.1%
5	Number of big mammal/small mammal	0.000	0.166	0.135	0.077	51.2%	6.1%	46.6%	28.0%	49.0%	3.1%	33.2%	20.8%
6	Ratio number of herbivore/total number of mammal	0.638	0.729	0.206	0.746	1.0%	0.4%	36.2%	1.1%	-3.5%	-2.8%	20.3%	-8.8%
7	Ratio number of omnivore/total number of mammal	0.766	0.939	0.265	0.931	0.4%	0.0%	29.5%	0.1%	-4.1%	-3.2%	11.9%	-9.9%

Initial year of ES vs species characteristic		p-value				R sqr				R sq (adj)			
		K1	K2	K3	K4	K1	K2	K3	K4	K1	K2	K3	K4
8	Ratio number of carnivore/ total number of mammal	0.247	0.447	0.440	0.585	6.0%	1.9%	15.5%	3.1%	1.8%	-1.3%	-5.6%	-6.6%
9	Number of herbivore/(omnivore+carnivore)	0.650	0.799	0.146	0.789	1.0%	0.2%	44.8%	0.7%	-3.5%	-3.0%	31.0%	-9.2%
10	Number of omnivora/(herbivore+carnivore)	0.787	0.057	0.358	0.914	0.3%	11.2%	21.2%	0.1%	-4.2%	8.3%	1.5%	-9.9%
11	Number of carnivora/(herbivore+omnivore)	0.269	0.407	0.472	0.576	5.5%	2.2%	13.6%	3.2%	1.2%	14.9%	-8.0%	-6.5%
No	Dt: Diet												
1	Number of species each location	0.036	0.192	0.425	0.269	18.5%	5.6%	16.4%	12.1%	14.8%	2.5%	-4.5%	3.3%
2	Ratio between number of big mammal and total number	0.005	0.034	0.764	0.889	30.2%	14.2%	2.5%	0.2%	27.1%	11.3%	-21.8%	-9.8%
3	Ratio between number of small mammal and total number	0.005	0.021	0.191	0.331	30.2%	16.6%	38.2%	9.5%	27.1%	13.8%	22.8%	0.4%
4	Number of small mammal/big mammal	0.000	0.030	0.263	0.524	45.8%	14.7%	29.7%	4.2%	43.4%	11.9%	12.1%	-5.4%
5	Number of big mammal/small mammal	0.000	0.021	0.100	0.893	45.1%	16.6%	53.2%	0.2%	42.7%	13.8%	41.4%	-9.8%
6	Ratio number of herbivore/total number of mammal	0.020	0.163	0.257	0.518	22.1%	6.4%	30.4%	4.3%	18.6%	3.3%	13.0%	-5.3%
7	Ratio number of omnivore/total number of mammal	0.061	0.420	0.692	0.480	15.1%	2.2%	4.3%	5.1%	11.2%	-1.1%	-19.6%	-4.4%
8	Ratio number of carnivore/ total number of mammal	0.694	0.066	0.496	0.963	0.7%	10.8%	12.3%	0.0%	-3.8%	7.8%	-9.6%	-10.0%
9	Number of herbivore/(omnivore+carnivore)	0.031	0.225	0.183	0.499	19.4%	4.9%	39.3%	4.7%	15.8%	1.7%	24.1%	-4.8%
10	Number of omnivora/(herbivore+carnivore)	0.006	0.053	0.889	0.751	30.1%	11.9%	0.5%	1.1%	26.9%	8.9%	-24.3%	-8.8%
11	Number of carnivora/(herbivore+omnivore)	0.707	0.053	0.497	0.899	0.7%	11.9%	12.2%	0.2%	-3.9%	9.0%	-9.7%	-9.8%
No	Ls: offspring												
1	Number of species each location	0.033	0.015	0.487	0.123	19.0%	21.3%	17.2%	24.4%	15.3%	18.1%	-10.4%	16.0%
2	Ratio between number of big mammal and total number	0.087	0.087	0.884	0.139	12.8%	11.3%	0.6%	22.6%	8.8%	7.7%	-24.3%	14.0%
3	Ratio between number of small mammal and total number	0.087	0.087	0.884	0.139	12.8%	11.3%	0.6%	22.6%	8.8%	7.7%	-24.3%	14.0%
4	Number of small mammal/big mammal	0.001	0.220	0.970	0.165	37.6%	6.0%	0.1%	20.3%	34.8%	2.2%	-33.3%	11.4%
5	Number of big mammal/small mammal	0.054	0.096	0.905	0.136	15.9%	10.7%	0.6%	23.0%	12.0%	7.1%	-32.6%	14.4%
6	Ratio number of herbivore/total number of mammal	0.586	0.162	0.151	0.205	1.4%	7.7%	55.1%	17.2%	-3.1%	4.0%	40.1%	8.0%
7	Ratio number of omnivore/total number of mammal	0.564	0.019	0.534	0.309	1.5%	20.0%	14.0%	11.4%	-2.9%	16.8%	-14.6%	1.6%
8	Ratio number of carnivore/ total number of mammal	0.616	0.108	0.280	0.571	1.2%	10.0%	36.5%	3.7%	-3.3%	6.4%	15.3%	-7.0%
9	Number of herbivore/(omnivore+carnivore)	0.550	0.162	0.179	0.248	1.6%	7.7%	50.4%	14.5%	-2.8%	4.0%	33.8%	5.0%
10	Number of omnivora/(herbivore+carnivore)	0.083	0.049	0.363	0.180	13.1%	14.7%	27.6%	19.0%	9.1%	11.2%	3.5%	10.0%
11	Number of carnivora/(herbivore+omnivore)	0.671	0.116	0.392	0.760	0.8%	9.6%	24.9%	1.1%	-3.7%	6.0%	-0.1%	-9.9%
No	Ams: Age of sex maturity												
1	Number of species each location	0.556	0.440	0.242	0.952	1.6%	2.1%	32.0%	0.0%	-2.9%	-1.3%	15.0%	-10.0%
2	Ratio between number of big mammal and total number	0.000	0.045	0.107	0.375	46.3%	13.2%	51.8%	7.9%	43.9%	10.2%	39.8%	-1.3%
3	Ratio between number of small mammal and total number	0.033	0.002	0.245	0.168	19.0%	29.7%	31.7%	18.1%	15.3%	27.3%	14.6%	9.9%
4	Number of small mammal/big mammal	0.000	0.003	0.218	0.123	57.6%	26.4%	34.8%	22.1%	55.6%	23.9%	18.5%	14.3%
5	Number of big mammal/small mammal	0.001	0.005	0.102	0.379	38.1%	23.8%	52.8%	7.8%	35.3%	21.1%	41.0%	-1.4%
6	Ratio number of herbivore/total number of mammal	0.000	0.712	0.339	0.126	55.3%	0.5%	22.8%	21.8%	53.3%	-3.0%	3.5%	14.0%
7	Ratio number of omnivore/total number of mammal	0.858	0.013	0.980	0.266	0.1%	19.5%	0.0%	12.2%	-4.4%	16.8%	-25.0%	3.4%
8	Ratio number of carnivore/ total number of mammal	0.501	0.001	0.474	0.690	2.1%	31.5%	13.5%	1.7%	-2.4%	29.1%	-8.2%	-8.2%

Initial year of ES vs species characteristic		p-value				R sqr				R sq (adj)			
		K1	K2	K3	K4	K1	K2	K3	K4	K1	K2	K3	K4
9	Number of herbivore/(omnivore+carnivore)	0.000	0.317	0.210	0.075	49.6%	3.5%	35.8%	28.3%	47.3%	0.1%	19.7%	21.2%
10	Number of omnivora/(herbivore+carnivore)	0.001	0.001	0.886	0.230	39.1%	30.4%	0.6%	14.1%	36.3%	28.0%	-24.3%	5.5%
11	Number of carnivora/(herbivore+omnivore)	0.029	0.007	0.497	0.743	19.8%	22.4%	12.2%	1.1%	16.1%	19.7%	-9.7%	-8.8%
No	Pha: Arboreal habitat												
1	Number of species each location	0.125	0.001	0.505	0.091	10.4%	31.2%	11.8%	31.6%	6.3%	28.7%	-10.2%	23.1%
2	Ratio between number of big mammal and total number	0.166	0.071	0.444	0.433	8.5%	11.2%	15.3%	7.8%	4.4%	8.0%	-5.9%	-3.7%
3	Ratio between number of small mammal and total number	0.166	0.071	0.444	0.433	8.5%	11.2%	15.3%	7.8%	4.4%	8.0%	-5.9%	-3.7%
4	Number of small mammal/big mammal	0.340	0.109	0.484	0.374	4.1%	8.9%	12.9%	10.0%	-0.2%	5.7%	-8.8%	-1.3%
5	Number of big mammal/small mammal	0.875	0.064	0.387	0.492	0.1%	11.7%	19.0%	6.1%	-4.4%	8.5%	-1.2%	-5.6%
6	Ratio number of herbivore/total number of mammal	0.714	0.000	0.116	0.065	0.6%	37.0%	50.1%	36.4%	-3.9%	34.8%	37.6%	28.5%
7	Ratio number of omnivore/total number of mammal	0.840	0.000	0.925	0.066	0.2%	36.9%	0.3%	36.1%	-4.3%	34.6%	-24.7%	28.1%
8	Ratio number of carnivore/ total number of mammal	0.091	0.414	0.455	0.699	12.5%	2.4%	14.6%	2.0%	8.5%	-1.1%	-6.7%	-10.3%
9	Number of herbivore/(omnivore+carnivore)	0.643	0.001	0.090	0.066	1.0%	35.5%	55.3%	36.2%	-3.5%	33.2%	44.1%	28.2%
10	Number of omnivora/(herbivore+carnivore)	0.398	0.002	0.722	0.557	3.3%	30.5%	3.5%	4.5%	-1.1%	28.1%	-20.6%	-7.5%
11	Number of carnivora/(herbivore+omnivore)	0.090	0.390	0.516	0.712	12.5%	2.7%	11.3%	1.8%	8.5%	-0.8%	-10.9%	-10.5%
No	Phg: Ground habitat												
1	Number of species each location	0.980	0.995	0.324	0.090	0.0%	0.0%	24.0%	26.0%	-6.2%	-3.6%	5.0%	18.6%
2	Ratio between number of big mammal and total number	0.344	0.963	0.420	0.066	5.6%	0.0%	16.8%	29.8%	-0.3%	-3.6%	-4.0%	22.8%
3	Ratio between number of small mammal and total number	0.344	0.963	0.420	0.111	5.6%	0.0%	16.8%	23.4%	-0.3%	-3.6%	-4.0%	15.7%
4	Number of small mammal/big mammal	0.816	0.624	0.520	0.013	0.3%	0.9%	11.0%	47.4%	-5.9%	-2.7%	-11.2%	42.1%
5	Number of big mammal/small mammal	0.166	0.879	0.359	0.079	11.7%	0.1%	21.2%	27.7%	6.1%	-3.5%	1.5%	20.4%
6	Ratio number of herbivore/total number of mammal	0.033	0.018	0.223	0.962	25.4%	18.5%	34.1%	0.0%	20.7%	15.6%	17.7%	-10.0%
7	Ratio number of omnivore/total number of mammal	0.069	0.110	0.704	0.246	19.2%	8.9%	4.0%	13.2%	14.1%	5.6%	-20.0%	4.5%
8	Ratio number of carnivore/ total number of mammal	0.933	0.587	0.087	0.849	0.0%	1.1%	56.0%	0.4%	-6.2%	-2.5%	45.0%	-9.6%
9	Number of herbivore/(omnivore+carnivore)	0.026	0.027	0.157	0.827	27.4%	16.3%	43.1%	0.5%	22.8%	13.3%	28.9%	-9.4%
10	Number of omnivora/(herbivore+carnivore)	0.544	0.029	0.641	0.727	2.4%	15.8%	6.0%	1.3%	-3.8%	12.8%	-17.5%	-8.6%
11	Number of carnivora/(herbivore+omnivore)	0.980	0.483	0.084	0.698	0.0%	1.8%	56.6%	1.6%	-6.2%	-1.7%	45.8%	-8.3%

Table S8.2 Regression analysis of species characteristic variables and frequency of ecological stress (ES) events

Frequency of ES vs species characteristic		p-value				R sqr				R sq (adj)			
		K1	K2	K3	K4	K1	K2	K3	K4	K1	K2	K3	K4
No	Bm: body mass												
1	Number of species each location	0.302	0.462	0.280	0.435	5.3%	2.1%	28.0%	6.2%	0.6%	-1.7%	10.0%	-3.2%
2	Ratio between number of big mammal and total number	0.191	0.695	0.084	0.769	8.4%	0.6%	56.6%	0.9%	3.8%	-3.2%	45.8%	-9.0%
3	Ratio between number of small mammal and total number	0.191	0.695	0.084	0.769	8.4%	0.6%	56.6%	0.9%	3.8%	-3.2%	45.8%	-9.0%
4	Number of small mammal/big mammal	0.172	0.796	0.093	0.707	9.1%	0.3%	54.6%	1.5%	4.6%	-3.6%	43.2%	-8.4%
5	Number of big mammal/small mammal	0.551	0.108	0.002	0.704	1.8%	9.6%	92.5%	1.5%	3.1%	6.1%	90.7%	-8.3%
6	Ratio number of herbivore/total number of mammal	0.347	0.090	0.183	0.256	4.4%	10.7%	39.2%	12.7%	-0.3%	7.2%	24.0%	4.0%
7	Ratio number of omnivore/total number of mammal	0.485	0.071	0.314	0.377	2.5%	12.0%	24.9%	7.9%	-2.4%	8.6%	6.1%	-1.3%
8	Ratio number of carnivore/ total number of mammal	0.008	0.789	0.125	0.114	30.6%	0.3%	48.3%	23.1%	27.1%	-3.6%	35.4%	15.4%
9	Number of herbivore/(omnivore+carnivore)	0.393	0.105	0.079	0.272	3.7%	9.8%	57.9%	11.9%	-1.2%	6.3%	47.4%	3.1%
10	Number of omnivora/(herbivore+carnivore)	0.743	0.780	0.424	0.364	0.6%	0.3%	16.5%	8.3%	-4.4%	-3.5%	-4.4%	-0.9%
11	Number of carnivora/(herbivore+omnivore)	0.005	0.780	0.135	0.126	32.7%	0.3%	46.7%	21.8%	29.4%	-3.5%	33.4%	14.0%
No	Hr: Home range												
1	Number of species each location	0.779	0.801	0.013	0.486	0.4%	0.2%	81.8%	5.0%	-4.2%	-3.2%	77.3%	-4.5%
2	Ratio between number of big mammal and total number	0.047	0.004	0.027	0.311	16.7%	24.9%	74.6%	10.2%	12.9%	22.3%	68.3%	1.3%
3	Ratio between number of small mammal and total number	0.047	0.048	0.027	0.311	16.7%	12.8%	74.6%	10.2%	12.9%	9.8%	68.3%	1.3%
4	Number of small mammal/big mammal	0.087	0.879	0.077	0.303	12.7%	0.1%	58.3%	10.5%	8.8%	-3.4%	47.9%	1.6%
5	Number of big mammal/small mammal	0.026	0.665	0.001	0.485	20.6%	0.7%	94.4%	5.0%	17.0%	-2.8%	93.0%	-4.5%
6	Ratio number of herbivore/total number of mammal	0.087	0.521	0.001	0.185	12.7%	1.4%	95.4%	16.9%	8.8%	-2.0%	94.2%	8.5%
7	Ratio number of omnivore/total number of mammal	0.211	0.032	0.002	0.140	7.0%	14.9%	92.3%	20.4%	2.8%	11.9%	90.4%	12.5%
8	Ratio number of carnivore/ total number of mammal	0.016	0.021	0.015	0.086	23.8%	17.1%	80.9%	26.6%	20.3%	14.2%	76.2%	19.3%
9	Number of herbivore/(omnivore+carnivore)	0.079	0.122	0.001	0.182	13.4%	8.0%	95.7%	17.1%	9.4%	4.9%	94.6%	8.8%
10	Number of omnivora/(herbivore+carnivore)	0.252	0.756	0.010	0.080	5.9%	0.3%	84.3%	27.5%	1.7%	-3.1%	80.4%	20.3%
11	Number of carnivora/(herbivore+omnivore)	0.026	0.333	0.044	0.119	20.7%	3.2%	67.8%	22.5%	17.0%	-0.1%	59.7%	14.8%
No	Bmr: Bassal metabolism rate												
1	Number of species each location	0.260	0.623	0.129	0.363	5.7%	0.8%	47.7%	8.3%	1.4%	-2.4%	34.6%	-0.9%
2	Ratio between number of big mammal and total number	0.364	0.061	0.100	0.562	3.8%	10.8%	53.2%	3.5%	-0.6%	8.0%	41.5%	-6.2%
3	Ratio between number of small mammal and total number	0.364	0.061	0.100	0.562	3.8%	10.8%	53.2%	3.5%	-0.6%	8.0%	41.5%	-6.2%
4	Number of small mammal/big mammal	0.293	0.011	0.122	0.605	5.0%	19.1%	49.0%	2.8%	0.7%	16.5%	36.2%	-6.9%
5	Number of big mammal/small mammal	0.710	0.850	0.004	0.496	0.6%	0.1%	89.6%	4.8%	-3.9%	-3.1%	87.0%	-4.8%
6	Ratio number of herbivore/total number of mammal	0.325	0.096	0.080	0.370	4.4%	8.7%	57.6%	8.1%	0.1%	5.7%	47.0%	-1.1%
7	Ratio number of omnivore/total number of mammal	0.583	0.118	0.224	0.772	1.4%	7.7%	34.0%	0.9%	-3.1%	4.7%	17.6%	-9.0%
8	Ratio number of carnivore/ total number of mammal	0.002	0.924	0.061	0.153	36.4%	0.0%	62.5%	19.3%	33.5%	-3.2%	53.1%	11.3%
9	Number of herbivore/(omnivore+carnivore)	0.363	0.067	0.022	0.429	3.8%	10.4%	76.7%	6.4%	-0.6%	7.5%	70.8%	-3.0%
10	Number of omnivora/(herbivore+carnivore)	0.736	0.003	0.348	0.628	0.5%	25.1%	22.0%	2.4%	-4.0%	22.6%	2.5%	-7.3%

Frequency of ES vs species characteristic		p-value				R sqr				R sq (adj)			
		K1	K2	K3	K4	K1	K2	K3	K4	K1	K2	K3	K4
11	Number of carnivora/(herbivore+omnivore)	0.002	0.864	0.073	0.174	35.7%	0.1%	59.3%	17.6%	32.8%	-3.1%	49.2%	9.4%
No	Dt: Diet												
1	Number of species each location	0.826	0.009	0.362	0.003	0.2%	20.6%	20.9%	61.4%	-4.3%	18.0%	1.1%	57.5%
2	Ratio between number of big mammal and total number	0.790	0.106	0.903	0.052	0.3%	8.5%	0.4%	32.7%	-4.2%	5.4%	-24.5%	25.9%
3	Ratio between number of small mammal and total number	0.790	0.764	0.067	0.282	0.3%	0.3%	60.8%	11.5%	-4.2%	-3.0%	51.0%	2.6%
4	Number of small mammal/big mammal	0.860	0.005	0.193	0.001	0.1%	23.1%	37.9%	70.6%	-4.4%	20.5%	22.4%	67.7%
5	Number of big mammal/small mammal	0.870	0.218	0.017	0.019	0.1%	5.0%	79.4%	44.0%	-4.4%	1.8%	74.3%	38.4%
6	Ratio number of herbivore/total number of mammal	0.735	0.030	0.082	0.037	0.5%	14.8%	57.1%	36.6%	-4.0%	12.0%	46.4%	30.3%
7	Ratio number of omnivore/total number of mammal	0.936	0.351	0.339	0.966	0.0%	2.9%	22.7%	0.0%	-4.5%	-0.3%	3.4%	-10.0%
8	Ratio number of carnivore/ total number of mammal	0.320	0.049	0.391	0.353	4.5%	12.3%	18.8%	8.7%	0.1%	9.4%	-1.5%	-0.5%
9	Number of herbivore/(omnivore+carnivore)	0.655	0.056	0.015	0.049	0.9%	11.7%	80.9%	33.4%	-3.6%	8.7%	76.1%	26.7%
10	Number of omnivora/(herbivore+carnivore)	0.947	0.001	0.799	0.025	0.0%	31.4%	1.8%	41.1%	-4.5%	29.1%	-22.7%	35.2%
11	Number of carnivora/(herbivore+omnivore)	0.368	0.040	0.447	0.300	3.7%	13.3%	15.1%	10.7%	-0.7%	10.4%	-6.2%	1.7%
No	Ls: offspring												
1	Number of species each location	0.605	0.687	0.388	0.805	1.2%	0.7%	25.3%	0.7%	-3.3%	-3.3%	0.4%	-10.3%
2	Ratio between number of big mammal and total number	0.736	0.906	0.762	0.632	0.5%	0.1%	3.5%	2.7%	-4.0%	-3.9%	-28.6%	-8.2%
3	Ratio between number of small mammal and total number	0.736	0.906	0.762	0.632	0.5%	0.1%	3.5%	2.7%	-4.0%	-3.9%	-28.6%	-8.2%
4	Number of small mammal/big mammal	0.917	0.950	0.698	0.380	0.1%	0.0%	5.7%	8.7%	-4.5%	-4.0%	-25.7%	-1.5%
5	Number of big mammal/small mammal	0.728	0.710	0.796	0.811	0.6%	0.6%	2.6%	0.7%	-4.0%	-3.4%	-29.9%	-10.4%
6	Ratio number of herbivore/total number of mammal	0.730	0.380	0.399	0.231	0.6%	3.1%	24.3%	15.5%	-4.0%	-0.8%	-0.9%	6.1%
7	Ratio number of omnivore/total number of mammal	0.141	0.418	0.260	0.438	9.6%	2.6%	39.0%	6.8%	5.5%	-1.3%	18.7%	-3.5%
8	Ratio number of carnivore/ total number of mammal	0.908	0.697	0.153	0.736	0.1%	0.6%	54.7%	1.3%	-4.5%	-3.4%	39.6%	-9.6%
9	Number of herbivore/(omnivore+carnivore)	0.755	0.521	0.432	0.176	0.5%	1.7%	21.4%	19.3%	-4.1%	-2.3%	-4.8%	10.3%
10	Number of omnivora/(herbivore+carnivore)	0.141	0.378	0.089	0.700	9.6%	3.1%	67.2%	1.7%	5.5%	-0.8%	56.2%	-9.2%
11	Number of carnivora/(herbivore+omnivore)	0.974	0.783	0.322	0.607	0.0%	0.3%	31.8%	3.1%	-4.5%	-3.7%	9.1%	-7.7%
No	Ams: Age of sex maturity												
1	Number of species each location	0.371	0.512	0.225	0.797	3.6%	1.5%	33.9%	0.7%	-0.7%	-1.9%	17.4%	-9.2%
2	Ratio between number of big mammal and total number	0.868	0.507	0.097	0.252	0.1%	1.5%	53.7%	12.9%	-4.4%	-1.9%	42.1%	4.2%
3	Ratio between number of small mammal and total number	0.337	0.431	0.108	0.724	4.2%	2.1%	51.6%	1.3%	-0.2%	-1.2%	39.4%	-8.6%
4	Number of small mammal/big mammal	0.375	0.981	0.150	0.547	3.6%	0.0%	44.1%	3.7%	-0.8%	-3.4%	30.1%	-5.9%
5	Number of big mammal/small mammal	0.499	0.902	0.001	0.252	2.1%	0.1%	95.7%	12.9%	-2.3%	-3.4%	94.6%	4.2%
6	Ratio number of herbivore/total number of mammal	0.614	0.480	0.125	0.300	1.2%	1.7%	48.4%	10.7%	-3.3%	-1.7%	35.5%	1.7%
7	Ratio number of omnivore/total number of mammal	0.519	0.710	0.644	0.737	1.9%	0.5%	5.9%	1.2%	-2.5%	-2.9%	-17.7%	-8.7%
8	Ratio number of carnivore/ total number of mammal	0.139	0.025	0.360	0.208	9.7%	16.2%	21.1%	15.3%	5.6%	13.3%	1.3%	6.9%
9	Number of herbivore/(omnivore+carnivore)	0.406	0.143	0.020	0.511	3.2%	7.2%	77.8%	4.4%	-1.2%	4.0%	72.3%	-5.1%
10	Number of omnivora/(herbivore+carnivore)	0.843	0.203	0.778	0.562	0.2%	5.5%	2.2%	3.5%	-4.4%	2.3%	-22.2%	-6.2%

Frequency of ES vs species characteristic		p-value				R sqr				R sq (adj)			
		K1	K2	K3	K4	K1	K2	K3	K4	K1	K2	K3	K4
11	Number of carnivora/(herbivore+omnivore)	0.139	0.086	0.465	0.169	9.7%	9.8%	14.0%	18.0%	5.6%	6.7%	-7.5%	9.8%
No	Pha: Arboreal habitat												
1	Number of species each location	0.086	0.441	0.505	0.437	12.8%	2.1%	11.8%	7.7%	8.8%	-1.4%	-10.2%	-3.8%
2	Ratio between number of big mammal and total number	0.023	0.790	0.252	0.515	21.2%	0.3%	30.9%	5.5%	17.6%	-3.3%	13.6%	-6.3%
3	Ratio between number of small mammal and total number	0.023	0.790	0.252	0.515	21.2%	0.3%	30.9%	5.5%	17.6%	-3.3%	13.6%	-6.3%
4	Number of small mammal/big mammal	0.088	0.750	0.469	0.550	12.7%	0.4%	13.8%	4.6%	8.7%	-3.2%	-7.8%	-7.3%
5	Number of big mammal/small mammal	0.155	0.914	0.144	0.484	9.0%	0.0%	45.1%	6.3%	4.8%	-3.5%	31.3%	-5.4%
6	Ratio number of herbivore/total number of mammal	0.050	0.130	0.064	0.482	16.3%	8.0%	61.8%	6.4%	12.5%	4.7%	52.3%	-5.3%
7	Ratio number of omnivore/total number of mammal	0.029	0.244	0.791	0.637	19.9%	4.8%	2.0%	2.9%	16.3%	1.4%	-22.5%	-9.2%
8	Ratio number of carnivore/ total number of mammal	0.008	0.025	0.495	0.555	28.2%	16.6%	12.3%	4.5%	24.9%	13.6%	-9.6%	-7.4%
9	Number of herbivore/(omnivore+carnivore)	0.162	0.141	0.037	0.451	8.7%	7.6%	70.4%	7.3%	4.5%	4.3%	63.1%	-4.3%
10	Number of omnivora/(herbivore+carnivore)	0.014	0.280	0.495	0.581	24.5%	4.2%	12.3%	4.0%	21.1%	0.7%	-9.6%	-8.0%
11	Number of carnivora/(herbivore+omnivore)	0.009	0.026	0.567	0.574	27.2%	16.5%	8.9%	4.1%	23.9%	13.5%	-13.9%	-7.9%
No	Phg: Ground habitat												
1	Number of species each location	0.476	0.994	0.132	0.913	3%	0%	47%	0%	-3%	-4%	34%	-10%
2	Ratio between number of big mammal and total number	0.515	0.347	0.238	0.847	3%	3%	32%	0%	-3%	0%	15%	-10%
3	Ratio between number of small mammal and total number	0.515	0.347	0.238	0.018	3%	3%	32%	44%	-3%	0%	15%	39%
4	Number of small mammal/big mammal	0.038	0.286	0.388	0.018	24%	4%	19%	44%	20%	1%	-1%	39%
5	Number of big mammal/small mammal	0.781	0.369	0.150	0.439	0%	3%	44%	6%	-6%	-1%	30%	-3%
6	Ratio number of herbivore/total number of mammal	0.815	0.837	0.123	0.414	0%	0%	49%	7%	-6%	-3%	36%	-3%
7	Ratio number of omnivore/total number of mammal	0.877	0.563	0.729	0.000	0%	1%	3%	75%	-6%	-2%	-21%	73%
8	Ratio number of carnivore/ total number of mammal	0.821	0.400	0.001	0.198	0%	3%	95%	16%	-6%	-1%	94%	8%
9	Number of herbivore/(omnivore+carnivore)	0.850	0.783	0.046	0.894	0%	0%	67%	0%	-6%	-3%	59%	-10%
10	Number of omnivora/(herbivore+carnivore)	0.329	0.612	0.673	0.285	6%	1%	5%	11%	0%	-3%	-19%	2%
11	Number of carnivora/(herbivore+omnivore)	0.895	0.377	0.001	0.104	0%	3%	94%	24%	-6%	-1%	93%	17%