

S2-1 Correlations among the 19 climatic predictors (grey squirrels)

		bio1	bio10	bio11	bio12	bio13	bio14	bio15	bio16	bio17	bio18	bio19	bio2	bio3	bio4	bio5	bio6	bio7	bio8	bio9
bio1	Pearson Correlation	1	0 0.903	0 0.715	-0 0.406	-0 0.343	-0 0.505	0 0.027	-0 0.358	-0 0.476	-0 0.379	-0 0.448	0 0.317	-0 0.294	0 0.438	0 0.807	0 0.513	0 0.433	0 0.619	0 0.102
bio10	Pearson Correlation	0 0.903	1	0 0.349	-0 0.445	-0 0.380	-0 0.551	-0 0.045	-0 0.411	-0 0.514	-0 0.376	-0 0.538	0 0.574	-0 0.491	0 0.780	0 0.964	0 0.104	0 0.768	0 0.690	-0 0.139
bio11	Pearson Correlation	0 0.715	0 0.349	1	-0 0.198	-0 0.168	-0 0.238	0 0.098	-0 0.149	-0 0.234	-0 0.259	-0 0.131	-0 0.214	0 0.172	-0 0.313	0 0.211	0 0.955	-0 0.289	0 0.207	0 0.452
bio12	Pearson Correlation	-0 0.406	-0 0.445	-0 0.198	1	0 0.987	0 0.956	0 0.724	0 0.993	0 0.966	0 0.940	0 0.973	-0 0.563	-0 0.071	-0 0.319	-0 0.551	-0 0.059 [*]	-0 0.438	-0 0.286	0 0.318
bio13	Pearson Correlation	-0 0.343	-0 0.380	-0 0.168	0 0.987	1	0 0.913	0 0.798	0 0.995	0 0.928	0 0.906	0 0.962	-0 0.550	-0 0.123	-0 0.272	-0 0.497	-0 0.047	-0 0.399	-0 0.238	0 0.343
bio14	Pearson Correlation	-0 0.505	-0 0.551	-0 0.238	0 0.956	0 0.913	1	0 0.562	0 0.929	0 0.989	0 0.925	0 0.936	-0 0.568	0 0.028	-0 0.400	-0 0.631	-0 0.079	-0 0.497	-0 0.392	0 0.284
bio15	Pearson Correlation	0 0.027	-0 0.045	0 0.098	0 0.724	0 0.798	0 0.562	1	0 0.787	0 0.571	0 0.583	0 0.715	-0 0.438	-0 0.222	-0 0.112	-0 0.211	0 0.130	-0 0.243	0 0.009	0 0.513
bio16	Pearson Correlation	-0 0.358	-0 0.411	-0 0.149	0 0.993	0 0.995	0 0.929	0 0.787	1	0 0.940	0 0.911	0 0.975	-0 0.578	-0 0.096	-0 0.316	-0 0.528	-0 0.017	-0 0.440	-0 0.266	0 0.365
bio17	Pearson Correlation	-0 0.476	-0 0.514	-0 0.234	0 0.966	0 0.928	0 0.989	0 0.571	0 0.940	1	0 0.936	0 0.941	-0 0.548	-0 0.002	-0 0.365	-0 0.594	-0 0.083	-0 0.464	-0 0.367	0 0.305
bio18	Pearson Correlation	-0 0.379	-0 0.376	-0 0.259	0 0.940	0 0.906	0 0.925	0 0.583	0 0.911	0 0.936	1	0 0.855	-0 0.497	-0 0.150	-0 0.210	-0 0.477	-0 0.142	-0 0.336	-0 0.156	0 0.136
bio19	Pearson Correlation	-0 0.448	-0 0.538	-0 0.131	0 0.973	0 0.962	0 0.936	0 0.715	0 0.975	0 0.941	0 0.855	1	-0 0.625	0 0.044	-0 0.457	-0 0.637	0 0.034	-0 0.558	-0 0.411	0 0.423
bio2	Pearson Correlation	0 0.317	0 0.574	-0 0.214	-0 0.563	-0 0.550	-0 0.568	-0 0.438	-0 0.578	-0 0.548	-0 0.497	-0 0.625	1	0 0.061 [*]	0 0.722	0 0.753	-0 0.448	0 0.859	0 0.336	-0 0.381
bio3	Pearson Correlation	-0 0.294	-0 0.491	0 0.172	-0 0.071	-0 0.123	0 0.028	-0 0.222	-0 0.096	-0 0.002	-0 0.150	0 0.044	0 0.061 [*]	1	-0 0.619	-0 0.397	0 0.224	-0 0.447	-0 0.380	0 0.208
bio4	Pearson Correlation	0 0.438	0 0.780	-0 0.313	-0 0.319	-0 0.272	-0 0.400	-0 0.112	-0 0.316	-0 0.365	-0 0.210	-0 0.457	0 0.722	-0 0.619	1	0 0.837	-0 0.531	0 0.971	0 0.560	-0 0.442
bio5	Pearson Correlation	0 0.807	0 0.964	0 0.211	-0 0.551	-0 0.497	-0 0.631	-0 0.211	-0 0.528	-0 0.594	-0 0.477	-0 0.637	0 0.753	-0 0.397	0 0.837	1	-0 0.046	0 0.872	0 0.625	-0 0.235
bio6	Pearson Correlation	0 0.513	0 0.104	0 0.955	-0 0.059 [*]	-0 0.047	-0 0.079	0 0.130	-0 0.017	-0 0.083	-0 0.142	0 0.034	-0 0.448	0 0.224	-0 0.531	-0 0.046	1	-0 0.530	0 0.028	0 0.501
bio7	Pearson Correlation	0 0.433	0 0.768	-0 0.289	-0 0.438	-0 0.399	-0 0.497	-0 0.243	-0 0.440	-0 0.464	-0 0.336	-0 0.558	0 0.859	-0 0.447	0 0.971	0 0.872	-0 0.530	1	0 0.517	-0 0.445
bio8	Pearson Correlation	0 0.619	0 0.690	0 0.207	-0 0.286	-0 0.238	-0 0.392	0 0.009	-0 0.266	-0 0.367	-0 0.156	-0 0.411	0 0.336	-0 0.380	0 0.560	0 0.625	0 0.028	0 0.517	1	-0 0.263
bio9	Pearson Correlation	0 0.102	-0 0.139	0 0.452	0 0.318	0 0.343	0 0.284	0 0.513	0 0.365	0 0.305	0 0.136	0 0.423	-0 0.381	0 0.208	-0 0.442	-0 0.235	0 0.501	-0 0.445	-0 0.263	1

S2-2 Correlations among the 19 climatic predictors (red squirrels)

		bio1	bio10	bio11	bio12	bio13	bio14	bio15	bio16	bio17	bio18	bio19	bio2	bio3	bio4	bio5	bio6	bio7	bio8	bio9
bio1	Pearson Correlation	1	0.854	0.943	- 0.012	- 0.029	- 0.078	- 0.071	- 0.032	- 0.026	- 0.459	0.158	0.374	0.755	- 0.579	0.761	0.906	- 0.411	0.062	0.792
bio10	Pearson Correlation	0.854	1	0.639	- 0.325	- 0.281	- 0.390	0.069	- 0.301	- 0.343	- 0.562	- 0.182	0.588	0.439	- 0.075	0.964	0.564	0.105	0.368	0.569
bio11	Pearson Correlation	0.943	0.639	1	0.179	0.128	0.111	- 0.137	0.135	0.163	- 0.357	0.351	0.199	0.845	- 0.815	0.530	0.988	- 0.668	- 0.162	0.839
bio12	Pearson Correlation	- 0.012	- 0.325	0.179	1	0.954	0.809	- 0.001	0.965	0.856	0.642	0.923	- 0.379	0.188	- 0.474	- 0.404	0.231	- 0.544	- 0.501	0.185
bio13	Pearson Correlation	- 0.029	- 0.281	0.128	0.954	1	0.633	0.263	0.994	0.691	0.587	0.902	- 0.321	0.137	- 0.376	- 0.352	0.164	- 0.434	- 0.408	0.168
bio14	Pearson Correlation	- 0.078	- 0.390	0.111	0.809	0.633	1	- 0.501	0.656	0.983	0.719	0.644	- 0.421	0.136	- 0.435	- 0.465	0.185	- 0.539	- 0.451	0.028
bio15	Pearson Correlation	- 0.071	0.069	- 0.137	- 0.001	0.263	- 0.501	1	0.240	- 0.462	- 0.133	0.087	0.153	- 0.111	0.229	0.099	- 0.193	0.279	0.145	0.007
bio16	Pearson Correlation	- 0.032	- 0.301	0.135	0.965	0.994	0.656	0.240	1	0.707	0.600	0.913	- 0.347	0.146	- 0.400	- 0.376	0.176	- 0.464	- 0.425	0.161
bio17	Pearson Correlation	- 0.026	- 0.343	0.163	0.856	0.691	0.983	- 0.462	0.707	1	0.699	0.701	- 0.384	0.178	- 0.467	- 0.419	0.230	- 0.553	- 0.480	0.105
bio18	Pearson Correlation	- 0.459	- 0.562	- 0.357	0.642	0.587	0.719	- 0.133	0.600	0.699	1	0.331	- 0.401	- 0.278	0.040	- 0.596	- 0.298	- 0.118	- 0.048	- 0.475
bio19	Pearson Correlation	0.158	- 0.182	0.351	0.923	0.902	0.644	0.087	0.913	0.701	0.331	1	- 0.323	0.333	- 0.590	- 0.268	0.395	- 0.619	- 0.590	0.409
bio2	Pearson Correlation	0.374	0.588	0.199	- 0.379	- 0.321	- 0.421	0.153	- 0.347	- 0.384	- 0.401	- 0.323	1	0.453	0.183	0.762	0.070	0.484	0.283	0.284
bio3	Pearson Correlation	0.755	0.439	0.845	0.188	0.137	0.136	- 0.111	0.146	0.178	- 0.278	0.333	0.453	1	- 0.767	0.434	0.802	- 0.540	- 0.221	0.745
bio4	Pearson Correlation	- 0.579	- 0.075	- 0.815	- 0.474	- 0.376	- 0.435	0.229	- 0.400	- 0.467	0.040	- 0.590	0.183	- 0.767	1	0.039	- 0.856	0.944	0.483	- 0.655
bio5	Pearson Correlation	0.761	0.964	0.530	- 0.404	- 0.352	- 0.465	0.099	- 0.376	- 0.419	- 0.596	- 0.268	0.762	0.434	0.039	1	0.435	0.269	0.374	0.518
bio6	Pearson Correlation	0.906	0.564	0.988	0.231	0.164	0.185	- 0.193	0.176	0.230	- 0.298	0.395	0.070	0.802	- 0.856	0.435	1	- 0.751	- 0.204	0.804
bio7	Pearson Correlation	- 0.411	0.105	- 0.668	- 0.544	- 0.434	- 0.539	0.279	- 0.464	- 0.553	- 0.118	- 0.619	0.484	- 0.540	0.944	0.269	- 0.751	1	0.493	- 0.479
bio8	Pearson Correlation	0.062	0.368	- 0.162	- 0.501	- 0.408	- 0.451	0.145	- 0.425	- 0.480	- 0.048	- 0.590	0.283	- 0.221	0.483	0.374	- 0.204	0.493	1	- 0.339
bio9	Pearson Correlation	0.792	0.569	0.839	0.185	0.168	0.028	0.007	0.161	0.105	- 0.475	0.409	0.284	0.745	- 0.655	0.518	0.804	- 0.479	- 0.339	1

bio1 = annual mean temperature
bio2 = mean diurnal range (mean of monthly (max temp - min temp))
bio3 = isothermality (bio2/bio7) (x100)
bio4 = temperature seasonality (standard deviation x100)
bio5 = max temperature of the warmest month
bio6 = min temperature of the coldest month
bio7 = temperature annual range (bio5-bio6)
bio8 = mean temperature of the wettest quarter
bio9 = mean temperature of the driest quarter
bio10 = mean temperature of the warmest quarter
bio11 = mean temperature of the coldest quarter
bio12 = annual precipitation
bio13 = precipitation of the wettest month
bio14 = precipitation of the driest month
bio15 = precipitation seasonality (coefficient of variation)
bio16 = precipitation of the wettest quarter
bio17 = precipitation of the driest quarter
bio18 = precipitation of the warmest quarter
bio19 = precipitation of the coldest quarter