S1 Table. Pearson correlation matrix among 22 predictor variables.

Layer	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Bio1	1.000																					
Bio2	-0.457	1.000																				
Bio3	-0.532	0.403	1.000																			
Bio4	0.413	-0.053	-0.875	1.000																		
Bio5	**0.960**	-0.263	-0.626	0.582	1.000																	
Bio6	**0.961**	-0.632	-0.420	0.231	**0.856**	1.000																
Bio7	-0.049	**0.708**	-0.357	0.632	0.222	-0.314	1.000															
Bio8	**0.971**	-0.506	-0.561	0.408	**0.930**	**0.945**	-0.075	1.000														
Bio9	**0.970**	-0.476	-0.461	0.341	**0.907**	**0.948**	-0.123	**0.914**	1.000													
Bio10	**0.986**	-0.419	-0.629	0.553	**0.979**	**0.918**	0.066	**0.952**	**0.950**	1.000												
Bio11	**0.984**	-0.465	-0.392	0.254	**0.912**	**0.976**	-0.167	**0.947**	**0.970**	**0.946**	1.000											
Bio12	-0.632	0.365	0.384	-0.209	-0.608	-0.632	0.077	-0.724	-0.521	-0.595	-0.613	1.000										
Bio13	-0.617	0.460	0.343	-0.105	-0.553	-0.644	0.198	-0.712	-0.550	-0.556	-0.606	**0.858**	1.000									
Bio14	-0.329	0.108	0.293	-0.257	-0.359	-0.294	-0.105	-0.335	-0.236	-0.344	-0.305	0.570	0.212	1.000								
Bio15	0.168	0.036	0.087	-0.046	0.163	0.182	-0.043	0.153	0.103	0.158	0.206	-0.312	0.120	-0.673	1.000							
Bio16	-0.600	0.442	0.313	-0.081	-0.539	-0.633	0.204	-0.706	-0.520	-0.537	-0.594	**0.913**	**0.984**	0.264	0.010	1.000						
Bio17	-0.369	0.136	0.294	-0.265	-0.390	-0.339	-0.077	-0.367	-0.277	-0.384	-0.348	0.567	0.176	**0.974**	-0.751	0.236	1.000					
Bio18	-0.545	0.288	0.409	-0.385	-0.535	-0.514	-0.013	-0.492	-0.534	-0.575	-0.516	0.441	0.234	0.470	-0.353	0.255	0.524	1.000				
Bio19	-0.317	0.222	0.189	-0.025	-0.306	-0.341	0.082	-0.452	-0.195	-0.273	-0.310	**0.779**	**0.722**	0.300	-0.095	**0.783**	0.262	0.120	1.000			
elev.	-0.968	0.537	0.456	-0.286	-0.890	-0.968	0.191	-0.944	-0.950	-0.935	-0.973	0.611	0.638	0.301	-0.144	0.617	0.337	0.493	0.333	1.000		
sri	0.580	-0.196	-0.230	0.107	0.570	0.567	-0.022	0.645	0.486	0.531	0.584	-0.811	-0.652	-0.516	0.470	-0.708	-0.526	-0.337	-0.609	-0.552	1.000	
tpi	-0.381	0.220	0.111	-0.003	-0.331	-0.396	0.137	-0.400	-0.352	-0.341	-0.394	0.331	0.360	0.212	-0.061	0.346	0.217	0.174	0.235	0.424	-0.264	1.000

* elel: elevation, sri: solar radiation index, tpi: topographic position index, bolded numbers indicate variables are highly correlated ($r \geq 0.7$).