

Table S1 Linear correlation analysis among variables by Spearman coefficient

	bio_1	bio_2	bio_3	bio_4	bio_5	bio_6	bio_7	bio_8	bio_9	bio_10	bio_11	bio_12	bio_13	bio_14	bio_15	bio_16	bio_17	bio_18	bio_19
bio_1	1																		
bio_2	-0.17679	1																	
bio_3	-0.02387	0.835354	1																
bio_4	0.883732	-0.52723	-0.89151	1															
bio_5	0.776645	-0.39259	-0.54036	0.603265	1														
bio_6	-0.91587	-0.27691	0.071461	-0.26464	0.537427	1													
bio_7	-0.14083	-0.12182	-0.63717	0.903103	0.484472	-0.47736	1												
bio_8	0.853732	-0.81899	-0.40327	0.941227	0.939669	0.659732	0.294736	1											
bio_9	0.855733	0.815877	0.423757	-0.51075	0.356907	-0.91436	-0.57663	0.491463	1										
bio_10	-0.8315	-0.45716	-0.52222	0.543415	0.984746	0.628479	0.374125	0.961227	0.435034	1									
bio_11	0.860298	0.104724	0.427778	-0.51969	0.354773	0.921969	-0.58674	0.504841	0.992561	0.434486	1								
bio_12	0.348811	0.85061	-0.21408	-0.63489	0.143753	0.527433	-0.39735	0.163768	0.38665	0.246769	0.366419	1							
bio_13	0.375945	-0.81966	0.244605	-0.06549	0.890924	0.564552	-0.94857	0.051701	0.59021	-0.89061	0.573835	-0.12182	1						
bio_14	0.376124	-0.63404	-0.48176	0.261311	0.400302	0.422412	-0.02109	0.318003	0.238167	0.466364	0.199814	-0.36231	0.48409	1					
bio_15	-0.1734	0.778356	0.804891	0.878571	-0.49199	-0.14789	0.974674	-0.37131	0.142992	-0.50867	0.164131	-0.53165	-0.01006	-0.79766	1				
bio_16	0.366515	-0.19258	0.225345	-0.49058	0.384691	0.579043	-0.91467	0.030799	0.585736	0.954674	0.573079	-0.54367	-0.65388	0.978571	-0.03482	1			
bio_17	0.383585	-0.59045	-0.43436	0.228992	0.924746	0.424603	-0.03962	0.304695	0.26838	0.454439	0.222947	-0.15241	0.517372	0.987185	-0.76922	0.509649	1		
bio_18	0.309019	-0.06678	0.365584	-0.61297	-0.19694	0.539012	-0.76435	-0.02842	0.585063	-0.07325	0.584165	0.761623	-0.35923	0.352087	0.960924	0.097285	0.374914	1	
bio_19	0.393921	-0.54572	-0.39948	0.208679	0.386066	0.4264	-0.04005	0.292527	0.295647	0.450638	0.241641	0.812768	0.537342	0.970443	-0.73174	0.870443	-0.98842	0.376531	1
	N	N	N	Y	N	N	N	N	N	N	Y	Y	Y	N	N	Y	N	Y	N