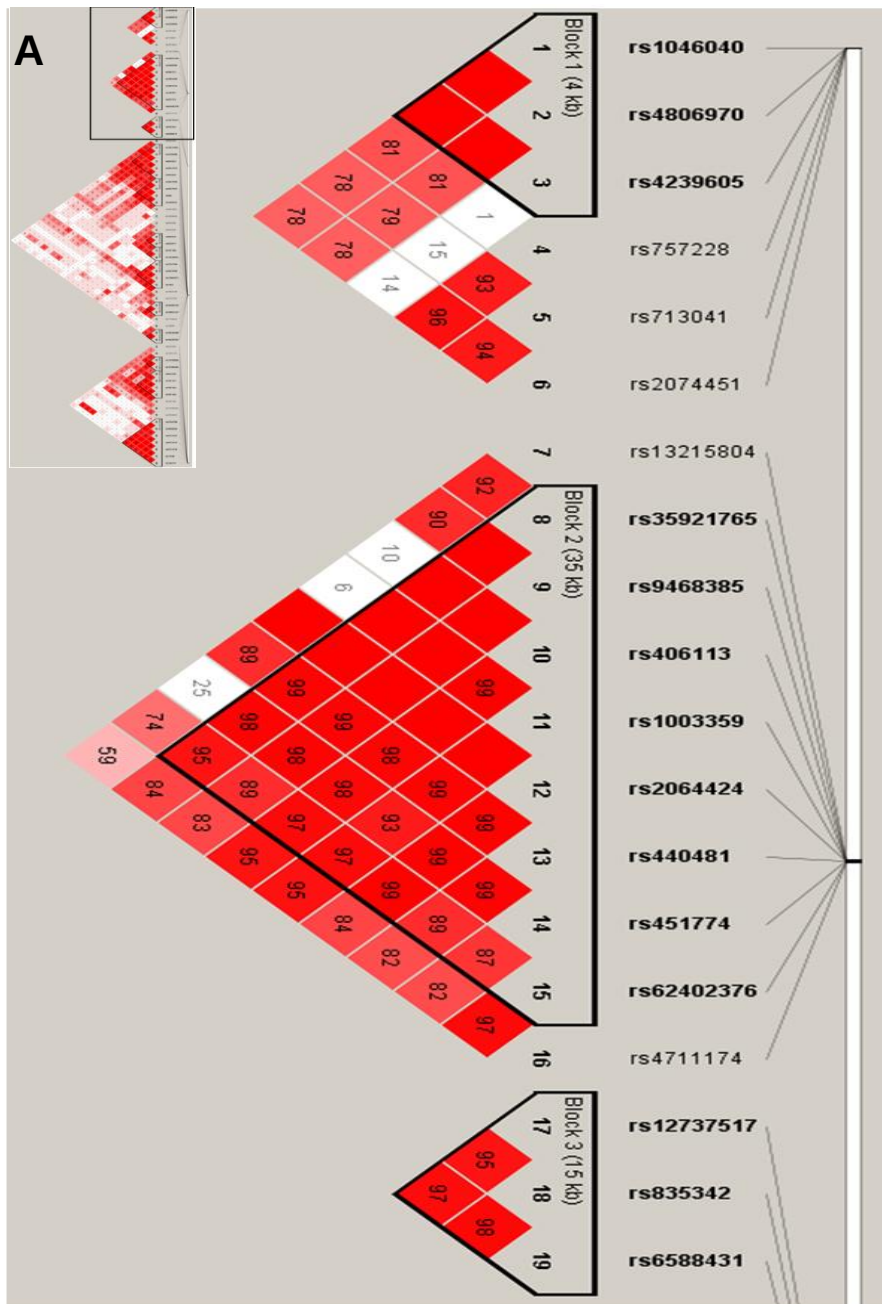
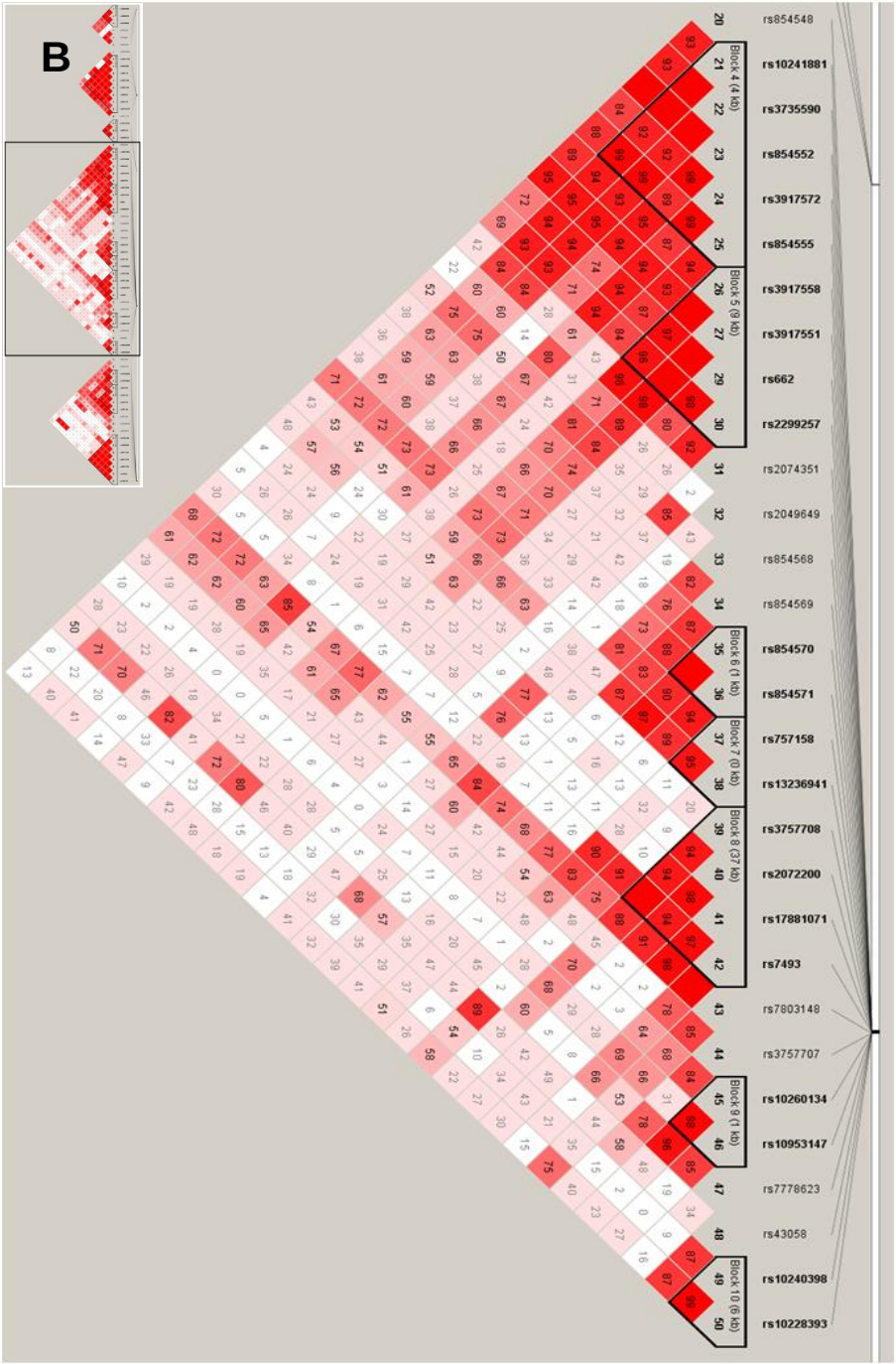






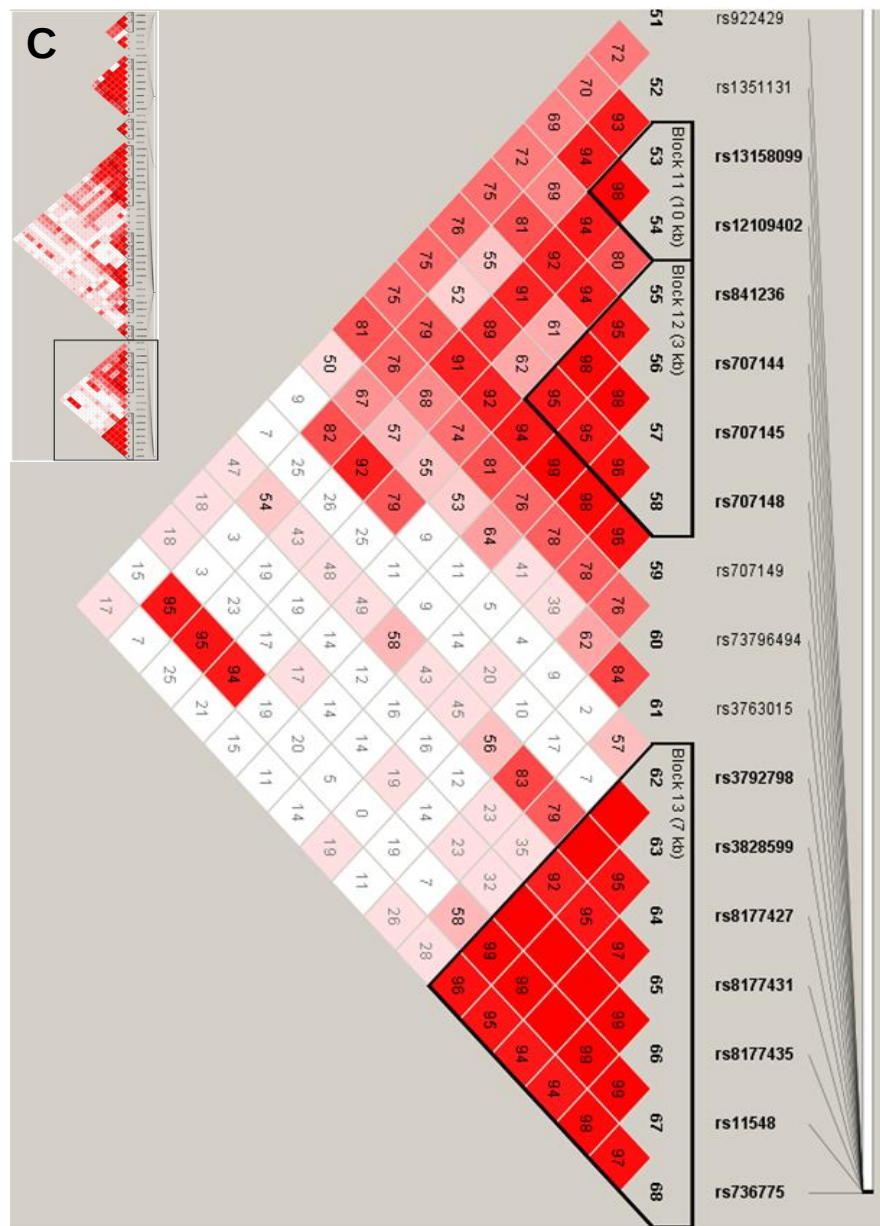


Figure S1. Linkage disequilibrium and association plot of GPX3, GPX4, GPX5, GPX6, GPX7, PON1, PON2, and PON3 in Mexican children. A) Block 1 in GPX4, Block 2 in GPX5 and GPX6, and Block 3 in GPX7. B) Blocks 4 to 7 in PON1, Block 8 in PON3, and Blocks 9 and 10 in PON2. C) Blocks 11 to 13 in GPX3.

Table S1. Selected SNPs in GPX and PON genes. Chromosome (Chr), minor allele (Allele), minor allele frequency (MAF), linkage disequilibrium blocks (LD Blocks), and multiallelic D prime (D').

Gene	Chr	SNP	Allele	MAF	LD Blocks	D'
GPX3	5	rs13158099	G	0.1824	Block 11	0.91
	5	rs12109402	C	0.2441	Block 11	
	5	rs3763015	C	0.2382		0.2
	5	rs707144	A	0.3224	Block 12	
	5	rs841236	G	0.2943	Block 12	
	5	rs707145	A	0.2449	Block 12	
	5	rs707148	G	0.2552	Block 12	
	5	rs73796494	T	0.4203		Reference
	5	rs707149	G	0.3185		
	5	rs1351131	G	0.2732		
	5	rs922429	T	0.315		
	5	rs8177427	A	0.0832	Block 13	
	5	rs736775	T	0.3941	Block 13	
	5	rs11548	T	0.2568	Block 13	
	5	rs8177431	G	0.4005	Block 13	
	5	rs8177435	G	0.4122	Block 13	
	5	rs3828599	A	0.3592	Block 13	
	5	rs3792798	A	0.2794	Block 13	
GPX4	19	rs4239605	A	0.276	Block 1	0.067
	19	rs4806970	A	0.4451	Block 1	
	19	rs1046040	A	0.4476	Block 1	
	19	rs757228	A	0.3631	Block 1	
	19	rs2074451	T	0.3346	Block 1	
	19	rs713041	T	0.3352	Block 1	
GPX5	6	rs2064424	G	0.2978		0.11
	6	rs451774	G	0.4309	Block 2	
	6	rs2064424	G	0.33	Block 2	
	6	rs440481	C	0.3528	Block 2	
	6	rs9468385	T	0.3182	Block 2	
	6	rs1003359	C	0.4441	Block 2	
GPX6	6	rs406113	C	0.4522	Block 2	
	6	rs35921765	C	0.3056	Block 2	
	6	rs13215804	G	0.2131		
	6	rs62402376	C	0.3586		
	6	rs4711174	A	0.269		

GPX7	1	rs6588431	T	0.2763	Block 3	0.09
	1	rs835342	G	0.2984	Block 3	
	1	rs12737517	T	0.4403	Block 3	
PON 1	7	rs2299257	A	0.385	Block 5	0.44
	7	rs662	T	0.4074	Block 5	
	7	rs3917549	A	0.4271	Block 5	
	7	rs3917551	A	0.2555	Block 5	
	7	rs3917558	C	0.2707	Block 5	
	7	rs854555	C	0.4544	Block 4	0.84
	7	rs3917572	G	0.281	Block 4	
	7	rs3735590	A	0.2704	Block 4	
	7	rs10241881	A	0.2707	Block 4	
	7	rs854552	C	0.3995	Block 4	
	7	rs757158	C	0.4754	Block 7	0.49
	7	rs13236941	T	0.3218	Block 7	
	7	rs43058	C	0.1698		
	7	rs2049649	A	0.3274		
	7	rs854568	G	0.3425		
	7	rs2074351	A	0.3446		
	7	rs854569	T	0.4173		
	7	rs854548	A	0.3613		
	7	rs7778623	G	0.4015		
	7	rs854570	C	0.4347	Block 6	0.74
	7	rs854571	T	0.4039	Block 6	
PON2	7	rs10240398	T	0.2449	Block 10	0.06
	7	rs10228393	C	0.413	Block 10	
	7	rs10260134	T	0.3797	Block 9	0.23
	7	rs10953147	A	0.4327	Block 9	
	7	rs7493	C	0.2061	Block 8	0.47
	7	rs17881071	A	0.4851	Block 8	
PON3	7	rs2072200	G	0.4977	Block 8	0.47
	7	rs3757708	T	0.2978	Block 8	