

Table S1: Allele frequencies for SNPs observed in both the Czech and Irish study populations.

Republic of Ireland						Czech Republic					
Genes	SNP	Allele 1/Allele 2	Cases	Control	P- Value	Genes	SNP	Allele 1/Allele 2	Cases	Control	P- Value
<i>GPX1</i>	rs1050450	T/C	141/305	237/481	0.57	<i>GPX1</i>	rs9818758	A/G	239/1195	209/1045	0.92
<i>GPX3</i>	rs8177426	A/G	91/373	129/599	0.06	<i>GPX4</i>	rs2074451	T/G	632/792	540/706	0.87
<i>GPX3</i>	rs8177447	T/C	85/375	124/602	0.14	<i>GPX5</i>	rs445870	G/A	367/1047	346/908	0.30
<i>GPX4</i>	rs2074451	T/G	220/198	194/218	0.60	<i>SELENOM</i>	rs11705137	C/T	620/798	564/670	1.00
<i>GPX4</i>	rs713041	T/C	203/233	304/374	0.03	<i>SELENON</i>	rs4659382	G/C	300/1134	276/986	1.00
<i>GPX5</i>	rs445870	G/A	132/310	135/295	0.07	<i>SELENON</i>	rs1124771	G/C	600/828	521/731	0.11
<i>SELENOF</i>	rs5859	T/C	117/339	140/596	0.69	<i>SELENOV</i>	rs4802034	T/C	373/1049	316/930	0.05
<i>SELENOM</i>	rs11705137	T/C	215/207	203/215	1.00	<i>SEPSH1</i>	rs2275129	C/G	639/787	550/706	0.89
<i>SELENON</i>	rs4659382	G/C	105/337	86/342	0.60	<i>TXNRD1</i>	rs11111979	C/G	676/734	594/658	0.30
<i>SELENON</i>	rs1124771	G/C	189/219	185/241	0.10	<i>TXNRD1</i>	rs7953266	C/T	594/840	522/732	0.61
<i>SELENOF</i>	rs2972994	A/G	234/230	330/396	0.23	<i>BAX</i>	rs4645887	A/T	572/856	510/738	0.55
<i>SELENOF</i>	rs7579	A/G	122/330	176/552	0.71	<i>FOXO3</i>	rs3813498	C/T	263/1161	232/1022	0.15
<i>SELENOS</i>	rs34713741	T/C	115/341	199/525	0.93	<i>FRZB</i>	rs17265803	T/C	207/1221	160/1094	0.37
<i>SEPSH1</i>	rs2275129	C/G	187/199	204/228	0.60						
<i>SOD2</i>	rs4880	T/C	229/227	360/372	0.90						
<i>TXNRD1</i>	rs11111979	C/G	219/231	199/229	0.04						
<i>TXNRD2</i>	rs9605031	T/C	117/337	167/565	0.53						
<i>BAX</i>	rs4645887	A/T	167/273	173/249	0.62						
<i>FOXO3</i>	rs3813498	C/T	85/369	81/345	0.90						
<i>FRZB</i>	rs17265803	C/T	53/413	45/385	0.05						

p-value indicating the Hardy Weinberg Equilibrium significance > 0.05 for cases and controls combined
 SNP-Single Nucleotide Polymorphism