

Table S1. Genotype frequencies for cases and controls in Set 1

Gene & SNPs	Controls			Cases		
	Common homozygotes	Heterozygotes	Rare heterozygotes	Common homozygotes	Heterozygotes	Rare homozygotes
<i>SOD1</i>						
rs202445, a-6366g	1485	662	58	1370	588	70
rs4998557, g2809a	1722	471	28	1599	425	13
rs2070424, a7237g	1884	298	12	1763	255	5
<i>SOD2</i>						
rs1799725, A16V (t>c)	561	1086	547	499	1033	492
rs2842958, c5774t	1380	734	97	1279	675	89
<i>CAT</i>						
rs1001179, t-330c	1362	787	113	1351	707	113
rs1049982, c-20t	1007	938	231	905	920	188
rs769217, D389D (c>t)	1347	753	122	1201	734	102
rs511895, g27168a	731	1088	371	714	940	384
rs7104301, a33077g	1199	860	150	1123	771	143
<i>GPXI</i>						
rs3448, a-1040g	1263	882	132	1201	821	157
rs1050450, P200L (g>a)	1066	993	219	1109	964	220
<i>GPX4</i>						
rs757229, c-1999g	656	1096	476	560	1108	466
rs4807542, P12P (g>a)	1585	604	70	1480	637	63
rs4807543, a2064c	2042	228	3	1966	208	9
rs713041, t2572c	676	1090	498	676	1103	403
<i>GSR</i>						
rs1002149, t-515g	1619	594	60	1527	608	48
LD1 rs8190924, g12508a	2036	219	4	1968	223	7
rs2978663, a19278g	866	1036	284	875	1011	302
rs4628224, t28414a	1504	662	110	1435	650	97
LD2 rs8191009, c39396t	1458	723	87	1353	744	76
rs3926402, g43288a	853	1054	342	827	1035	311
rs2911678, a45359t	1395	767	107	1310	784	97
<i>TXN</i>						
rs2301241, a-795g	771	1097	371	721	1069	360
rs4135165, g1153a	1865	390	19	1778	395	17
LD1 rs1410051, a1363g	1260	759	135	1166	728	118
rs4135168, a1830g	1196	809	167	1121	742	130
rs4135172, g2316a	1909	347	19	1818	346	16
rs4135179, t2715c	1359	796	114	1362	686	142
IB rs4135192, g5126a	964	1022	227	928	881	211
rs2418076, g5363a	1200	840	170	1070	819	145
rs4135208, a9469g	983	947	240	916	877	217
rs4135211, a10141c	1889	302	13	1719	310	10
LD2 rs4135215, t11216c	1594	575	68	1561	563	56
rs4135221, g11478a	1698	528	37	1658	485	34
rs4135225, a12024g	938	982	222	872	911	219
rs2776, g12496a	538	1082	523	541	1014	478
<i>TXNRD1</i>						
rs4964778, g-19040c	1543	649	81	1486	638	68
rs4964779, g-10243a	1780	457	34	1736	425	36
rs4564401, g-1876a	1958	302	15	1872	317	12
rs10861201, t13855g	1349	796	125	1305	772	119
<i>TXN2</i>						
rs2281082, a4134c	1498	689	74	1449	667	76
rs8140110, a8249g	1865	379	13	1776	376	19
rs8139906, g8624c	1537	678	60	1478	653	71
<i>TXNRD2</i>						
rs740603, a-15851g	647	1123	487	622	1092	459
LD1 rs2020917, a442g	1189	896	184	1113	859	198
rs4485648, a9921g	1435	741	91	1447	642	103

LD2	rs5748469, A66S (c>a)	1016	1008	241	914	1002	271
	rs756661, g23524a	629	1149	490	680	1056	453
	rs732262, g44669a	1898	352	25	1798	375	18
	rs1548357, t50964c	1203	888	176	1088	892	204
LD3	rs2073750, g55969a	1420	744	107	1344	740	101
	rs3788306, a57317g	1116	942	210	1053	916	207
	rs2073752, I370T (a>g)	1149	938	156	1167	845	168

Table S2. Genotype frequencies for cases and controls in Set 2

Gene & SNPs	Controls				Cases	
	Common homozygotes	Heterozygotes	Common homozygotes	Heterozygotes	Common homozygotes	Heterozygotes
<i>SOD1</i>						
rs4998557, g2809a	1818	430	31	1791	466	33
<i>CAT</i>						
rs511895, g27168a	776	1123	375	735	1061	395
<i>GPx4</i>						
rs757229, c-1999g	624	1109	544	611	1079	484
rs713041, t2572c	735	1103	440	687	1136	473
<i>TXN1</i>						
rs4135179, t2715c	1409	749	119	1389	680	122
<i>TXNRD2</i>						
rs4485648, a9921g	1461	720	88	1411	686	92
rs5748469, A66S	972	1021	273	933	981	265
LD2						
rs756661, g23524a	684	1157	437	673	1120	399
rs732262, g44669a	1861	404	14	1804	368	14
rs1548357, t50964c	1126	941	207	1089	907	184
rs20773752, I370T	1204	896	177	1170	842	168