

Part 1

SNP	CHR	TEST	Genotype/alleles in cases	Genotype/alleles in controls	CHISQ	DF	P	Emperical p-value	Number of Permutations	Gene	Functional Class
rs1051677	2	TREND	9/191	49/335	10.38	1	0.001273	0.001157	26784	XRCC5	untranslated
rs6941	2	TREND	9/191	49/339	10.14	1	0.001449	0.001343	23088	XRCC5	untranslated
rs3736265	4	TREND	5/195	37/349	9.233	1	0.002378	0.003168	9470	PPARGC1A	coding-nonsynon
rs10473282	5	TREND	85/113	112/268	9.821	1	0.001726	0.003703	8100	GHR	untranslated
rs2267669	6	TREND	23/169	80/294	7.616	1	0.005786	0.004988	6013	PPARD	intron
rs4647201	3	TREND	7/189	2/378	7.921	1	0.004886	0.006308	4755	EPM2AIP1	coding-nonsynon
rs348457	9	TREND	103/95	152/236	8.619	1	0.003328	0.00668	4490	ALDH1A1	intron,TagSNP:ALDH1A1
rs1799999	7	TREND	12/188	50/338	6.954	1	0.008365	0.006801	4410	PPP1R3A	coding-nonsynon
rs207928	2	DOM	78/21	120/72	7.969	1	0.004758	0.007074	4240	XRCC5	intron,TagSNP:XRCC5(KU80)
rs610529	9	TREND	103/93	151/229	8.494	1	0.003564	0.007175	4180	ALDH1A1	intron,TagSNP:ALDH1A1
rs8191613	8	TREND	0/200	12/374	6.483	1	0.01089	0.007746	3872	NEIL2	coding-nonsynon
rs207932	2	DOM	79/21	121/71	7.78	1	0.005283	0.008979	3340	XRCC5	intron,TagSNP:XRCC5(KU80)
rs10516782	4	TREND	22/172	78/304	6.998	1	0.008158	0.009177	3268	PTPN13	coding-nonsynon
rs2267668	6	TREND	25/175	81/307	6.498	1	0.0108	0.009917	3024	PPARD	intron
rs10018284	4	TREND	49/151	141/247	8.688	1	0.003202	0.01123	2670	n/a	n/a
rs1805405	1	TREND	19/179	67/321	6.577	1	0.01033	0.01168	2568	PARP1	intron
rs348458	9	TREND	99/97	146/236	7.784	1	0.005272	0.01175	2553	ALDH1A1	intron,TagSNP:ALDH1A1
rs20579	19	TREND	13/187	49/339	5.724	1	0.01674	0.01298	2310	LIG1	untranslated
rs582537	3	TREND	103/97	155/233	8.245	1	0.004087	0.01342	2235	IL12A	intron
rs13815	22	DOM	42/57	115/78	7.752	1	0.005364	0.01373	2184	MT	coding-nonsynon
rs1027970	23	TREND	24/82	19/151	5.694	1	0.01703	0.01377	2178	Admixture	Admixture
rs956868	12	TREND	16/182	57/325	5.477	1	0.01927	0.01381	2172	WNK1	coding-nonsynon
rs207921	2	DOM	79/21	121/67	6.592	1	0.01024	0.01555	1928	XRCC5	intron,TagSNP:XRCC5(KU80)
rs2161811	9	TREND	113/87	170/212	7.543	1	0.006023	0.01578	1900	ALDH1A1	intron,TagSNP:ALDH1A1
rs582054	3	TREND	102/96	150/230	8.923	1	0.002816	0.01588	1888	IL12A	intron
rs12022378	1	TREND	46/152	59/325	5.53	1	0.0187	0.01588	1888	DCLRE1B	coding-nonsynon
rs207927	2	DOM	77/18	121/63	7.111	1	0.007663	0.01638	1830	XRCC5	intron,TagSNP:XRCC5(KU80)
rs1049216	4	TREND	38/162	111/273	7.046	1	0.007946	0.01692	1772	CASP3	untranslated
rs4244285	10	TREND	19/179	65/323	5.471	1	0.01933	0.01764	1700	CYP2C19	coding-synon
rs4986894	10	TREND	19/181	64/322	5.569	1	0.01828	0.01824	1644	CYP2C19	locus
rs743534	10	TREND	15/185	54/328	5.548	1	0.0185	0.01924	1558	CYP2E1	intron,TagSNP:CYP2E1
rs1411425	9	TREND	11/183	6/374	5.143	1	0.02334	0.01978	1516	ALDH1A1	intron,TagSNP:ALDH1A1
rs8187915	9	TREND	113/87	175/213	6.91	1	0.008574	0.02114	1418	ALDH1A1	coding-synon
rs1002153	1	TREND	20/180	67/321	5.919	1	0.01498	0.02132	1406	PARP1	intron
rs3130618	6	TREND	29/167	87/297	5.308	1	0.02122	0.02135	1404	BAT4	coding-nonsynon
rs12922317	16	DOM	49/51	125/67	7.082	1	0.007788	0.02141	1400	TNFRSF17	intron,TagSNP:TNFRSF17(BCMA)
rs2070677	10	TREND	15/183	55/331	5.383	1	0.02033	0.02172	1380	CYP2E1	intron,TagSNP:CYP2E1
rs1042194	10	TREND	20/180	65/319	5.245	1	0.02201	0.02285	1312	CYP2C18	untranslated,TagSNP:CYP2C18_19_cluster
rs17112809	10	TREND	5/195	1/383	6.555	1	0.01046	0.02309	1298	MMS19L	coding-nonsynon
rs2839686	10	TREND	46/154	130/258	7.218	1	0.007216	0.0232	1292	CXCL12	locus
rs1801132	6	DOM	48/52	65/129	5.859	1	0.0155	0.02324	1290	ESR1	coding-synon
rs16879334	5	TREND	0/200	11/377	4.955	1	0.02602	0.02425	1236	MTRR	coding-nonsynon
rs2515641	10	TREND	16/180	58/330	5.366	1	0.02053	0.0251	1194	CYP2E1	coding-synonymous,TagSNP:CYP2E1
rs2048426	1	DOM	40/58	108/86	5.747	1	0.01651	0.02519	1190	PARP1	intron
rs2303317	9	TREND	112/86	171/207	6.627	1	0.01004	0.02566	1168	ALDH1A1	intron,TagSNP:ALDH1A1
rs8191664	8	TREND	0/198	9/377	4.763	1	0.02907	0.02607	1188	NEIL2	coding-nonsynon
rs2281891	10	TREND	19/181	61/319	4.949	1	0.0261	0.02715	1104	CYP2C18	coding-nonsynon
rs2288087	9	TREND	109/85	167/207	7.108	1	0.007674	0.0273	1098	ALDH1A1	intron,TagSNP:ALDH1A1

Part 2

SNP	CHR	TEST	Genotype/alleles in cases	Genotype/alleles in controls	CHISQ	DF	P	Emperical p-value	Number of Permutations	Gene	Functional Class
rs4253211	10	TREND	32/166	38/346	4.726	1	0.02971	0.02822	1062	ERCC6	coding-nonsynon
rs1132776	3	REC	26/74	27/167	6.519	1	0.01067	0.02915	1028	ABCC5	coding-synon
rs6028	1	TREND	74/124	102/270	5.733	1	0.01665	0.02997	1000	F5	coding-synon
rs2028373	12	TREND	55/143	145/235	5.979	1	0.01448	0.03	999	AICDA	coding-synon
rs2227314	3	TREND	101/97	152/230	7.661	1	0.005643	0.03006	997	IL12A	intron
rs3828942	7	REC	11/89	45/147	6.562	1	0.01042	0.0304	986	LEP	intron
rs506504	11	TREND	13/183	11/373	4.854	1	0.02758	0.03055	981	CHEK1	coding-nonsynon
rs527221	19	TREND	12/184	48/332	5.686	1	0.0171	0.03119	961	DMPK	coding-nonsynon
rs7778377	7	TREND	30/170	89/297	5.408	1	0.02005	0.03125	959	STARD3NL	intron
rs3821107	2	TREND	34/164	98/274	5.692	1	0.01704	0.03128	958	XRCC5	intron,TagSNP:XRCC5(KU80)
rs9808232	2	REC	30/68	34/159	6.398	1	0.01142	0.03145	953	ROCK2	coding-nonsynon
rs722921	9	TREND	111/87	177/211	5.702	1	0.01695	0.03191	939	ALDH1A1	intron,TagSNP:ALDH1A1
rs2242578	12	REC	8/86	37/145	6.345	1	0.01177	0.03219	931	GLI1	locus
rs3731258	7	TREND	0/184	12/368	5.169	1	0.02299	0.03236	926	CDK6	locus
rs2302524	19	TREND	44/144	59/309	4.431	1	0.03528	0.03243	924	PLAUR	coding-nonsynon
rs299295	5	DOM	49/51	66/126	5.891	1	0.01522	0.03521	851	HMMR	coding-nonsynon
rs3774968	4	TREND	71/129	175/207	5.562	1	0.01835	0.03542	846	NFKB1	intron
rs1801249	13	REC	25/69	26/157	6.344	1	0.01178	0.03571	839	ATP7B	coding-nonsynon
rs4681	4	TREND	23/177	70/316	4.276	1	0.03866	0.03593	834	FB	coding-synon
rs747657	1	DOM	41/59	107/87	5.288	1	0.02147	0.03597	833	PARP1	intron
rs491061	19	TREND	0/194	8/362	4.317	1	0.03773	0.03742	774	CD244	intron
rs1390358	8	DOM	77/22	123/71	6.252	1	0.0124	0.03774	794	NAT2	intron,TagSNP:NAT2
rs10018287	4	GENO	11/23/66	13/76/105	8.221	2	0.0164	0.03786	765	MGC48628	intron
rs1805414	1	DOM	42/58	109/85	5.315	1	0.02114	0.03836	755	PARP1	coding-synon
rs1913474	6	DOM	51/44	75/113	4.859	1	0.0275	0.03903	742	ESR1	intron
rs17572019	5	TREND	11/169	45/307	4.847	1	0.0277	0.03919	739	PPARGC1B	coding-nonsynon
rs2302387	7	TREND	17/183	55/329	4.053	1	0.04409	0.03919	739	ABCB4	coding-synon
rs1866389	5	DOM	46/54	61/128	5.283	1	0.02153	0.03924	738	THBS4	coding-nonsynon
rs521102	11	GENO	19/58/23	53/79/62	7.924	2	0.01902	0.03956	732	CHEK1	intron
rs11862958	16	TREND	86/114	129/259	4.928	1	0.02643	0.03978	728	TNFRSF17	locus,TagSNP:TNFRSF17(BCMA)
rs4633	22	TREND	83/117	201/185	6.221	1	0.01263	0.04085	709	COMT	coding-synon
rs903247	12	GENO	14/28/58	21/86/84	7.994	2	0.01837	0.0409	708	CHST11	3' UTR
rs4151060	10	TREND	20/180	19/367	5	1	0.02535	0.04125	702	BTRC	coding-nonsynon
rs753381	20	REC	25/72	28/157	4.719	1	0.02984	0.04191	691	PLCG1	coding-nonsynon
rs3803036	12	TREND	36/164	98/288	4.184	1	0.0408	0.04348	666	PTPRR	coding-nonsynon
rs6095558	20	DOM	34/63	91/96	4.802	1	0.02842	0.04354	665	PTGIS	coding-synon
rs6056	4	TREND	23/175	70/318	3.99	1	0.04577	0.04354	665	FB	coding-synon
rs732774	13	REC	26/71	28/161	6.016	1	0.01418	0.04414	656	ATP7B	coding-nonsynon
rs230521	4	TREND	92/108	140/246	4.929	1	0.02641	0.04427	654	NFKB1	intron
rs216902	12	TREND	61/137	152/224	4.957	1	0.02599	0.04618	627	VWF	coding-synon
rs5882	16	TREND	48/144	125/245	4.961	1	0.02593	0.04633	625	CETP	coding-nonsynon
rs2582790	1	GENO	6/53/41	19/69/105	8.223	2	0.01638	0.04647	623	HMGCS2	Promoter
rs8679	1	REC	11/89	8/186	5.161	1	0.02309	0.04655	622	PARP1	untranslated
rs1341180	10	TREND	15/185	52/334	4.463	1	0.03463	0.04662	621	CYP2C9	intron,TagSNP:CYP2C9_8_cluster
rs13332630	16	TREND	20/178	21/357	4.161	1	0.04136	0.0467	620	TNFRSF17	locus,TagSNP:TNFRSF17(BCMA)
rs2140516	7	REC	16/83	14/178	5.558	1	0.0184	0.04762	608	SLC13A1	coding-nonsynon
rs993568	1	DOM	61/36	146/45	5.846	1	0.01562	0.04785	605	DPYD	intron,TagSNP:DPYD
rs1044141	7	TREND	59/139	87/297	4.008	1	0.04528	0.04825	600	STK17A	coding-nonsynon
rs1514347	6	DOM	49/49	70/123	5.07	1	0.02435	0.04841	598	ESR1	intron
rs7732671	5	TREND	15/185	54/334	4.645	1	0.03115	0.04858	596	PPARGC1B	coding-nonsynon
rs488133	6	DOM	64/35	97/95	5.273	1	0.02166	0.04983	581	ESR1	Promoter