

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
rs2023410	8	TREND	11/89	58/166	10.89	1	0.0009655	0.000806	37202	ADRB3	untranslated
rs3212948	19	TREND	21/77	90/134	11.27	1	0.0007873	0.001004	29880	ERCC1	intron
rs4364327	4	TREND	50/58	61/177	11	1	0.0009102	0.00154	19480	UGT2B7	intron
rs7514102	1	REC	14/39	9/108	10.93	1	0.0009464	0.003191	9400	PROK1	coding-nonsynon
rs1049007	20	GENO	12/19/23	8/70/39	12.66	2	0.00178	0.003465	8658	BMP2	coding-synon
rs235768	20	GENO	11/18/25	9/71/39	12.11	2	0.002344	0.003619	8289	BMP2	coding-nonsynon
rs4148217	2	TREND	31/77	36/202	8.607	1	0.003348	0.004134	7256	ABCG8	coding-nonsynon
rs17683288	8	TREND	13/93	11/227	7.135	1	0.00756	0.004294	6986	ARHGEF10	coding-nonsynon
rs11765552	7	TREND	63/45	94/144	9.258	1	0.002345	0.004777	6279	LMTK2	coding-nonsynon
rs4792147	17	REC	22/32	22/97	9.699	1	0.001844	0.006023	4980	ALOX15B	coding-nonsynon
rs215106	16	TREND	21/87	22/216	7.366	1	0.006648	0.007559	3968	ABCC1	intron,TagSNP:ABCC1
rs2292245	3	TREND	29/79	34/204	7.508	1	0.006141	0.008937	3356	PTPRG	coding-nonsynon
rs2305801	19	TREND	11/93	51/175	6.937	1	0.008442	0.01021	2937	CYP4F11	coding-synon
rs2582790	1	DOM	37/17	53/62	7.427	1	0.006424	0.01036	2895	HMGCS2	Promoter
rs2180314	6	REC	14/37	12/102	7.603	1	0.005826	0.01132	2649	GSTA2	coding-nonsynony,TagSNP:GSTA1_2_cluster
rs3731055	3	TREND	4/104	0/238	9.023	1	0.002665	0.01165	2574	XPC	locus,intron
rs2227869	13	TREND	6/100	3/235	5.726	1	0.01671	0.01218	2463	ERCC5	coding-nonsynon
rs6018	1	TREND	11/95	7/223	6.533	1	0.01059	0.01231	2436	F5	coding-nonsynon
rs10895065	11	TREND	41/53	68/154	6.794	1	0.009149	0.01312	2286	PGR	intron
rs4839469	1	TREND	7/101	38/196	6.476	1	0.01094	0.01317	2277	VANGL1	coding-nonsynon
rs6163	10	REC	12/42	8/106	8.077	1	0.004482	0.01345	2229	CYP17A1	coding-synon
rs156641	19	TREND	49/55	75/161	7.443	1	0.006368	0.01428	2100	LIG1	intron
rs3730849	19	REC	14/40	11/108	8.362	1	0.003832	0.01489	1946	LIG1	intron
rs215101	16	TREND	23/85	27/211	6.437	1	0.01118	0.01514	1914	ABCC1	intron,TagSNP:ABCC1
rs7438135	4	REC	16/37	16/103	6.788	1	0.009176	0.01791	1618	UGT2B7	locus
rs1023244	1	TREND	4/98	28/194	5.399	1	0.02015	0.01882	1540	DPYD	intron,TagSNP:DPYD
rs2037483	7	TREND	59/47	93/139	6.994	1	0.00818	0.01909	1518	HUS1	intron
rs1064796	19	TREND	17/91	65/171	5.643	1	0.01752	0.02153	1346	CYP4F11	coding-synon
rs4588522	4	REC	16/38	15/103	7.176	1	0.007387	0.02182	1328	UGT2B7	intron
rs3795837	1	TREND	24/84	28/208	5.664	1	0.01732	0.02296	1262	ATF3	intron

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
rs17561	2	GENO	11/13/30	10/54/53	9.604	2	0.008215	0.02326	1246	IL1A	coding-nonsynon
rs1056663	7	TREND	59/47	96/136	5.912	1	0.01504	0.02528	1146	HUS1	coding-synon
rs7662029	4	REC	16/37	16/101	6.51	1	0.01073	0.02578	1124	UGT2B7	locus
rs7441750	4	REC	16/37	16/101	6.51	1	0.01073	0.02708	1070	UGT2B7	intron
rs7441774	4	REC	15/38	14/99	6.336	1	0.01183	0.02708	1070	UGT2B7	intron
rs268	8	TREND	5/89	3/217	4.262	1	0.03898	0.02723	1064	LPL	coding-nonsynon
rs17572019	5	TREND	3/93	23/199	5.13	1	0.02352	0.02725	1100	PPARGC1B	coding-nonsynon
rs932477	6	TREND	6/102	34/200	5.267	1	0.02173	0.02738	1058	ESR1	intron
rs3813865	10	TREND	5/103	2/236	5.495	1	0.01907	0.02759	1050	CYP2E1	locus,TagSNP:CYP2E1
rs2070672	10	TREND	4/100	1/219	5.431	1	0.01978	0.02759	1050	CYP2E1	locus
rs4646285	14	TREND	18/90	20/218	5.545	1	0.01853	0.02802	1034	SLC10A1	coding-synon
rs1760944	14	DOM	28/26	85/34	6.284	1	0.01218	0.02996	967	APEX1	locus,untranslated
rs1801275	16	TREND	13/95	53/183	5.062	1	0.02445	0.03092	937	IL4R	coding-nonsynon
rs17098707	10	TREND	0/108	9/225	4.385	1	0.03626	0.03258	889	GRK5	coding-nonsynon
rs608343	11	TREND	44/62	65/161	4.902	1	0.02683	0.03322	872	LRP5	intron
rs6971	22	DOM	20/30	68/43	6.288	1	0.01216	0.03469	835	BZRP	coding-nonsynon
rs2252784	12	DOM	37/14	62/54	5.354	1	0.02067	0.03494	829	PTPRB	coding-nonsynon
rs8551	11	DOM	18/36	63/56	5.736	1	0.01663	0.03816	759	DPAGT1	locus,untranslated
rs801720	22	TREND	27/75	92/140	5.26	1	0.02182	0.03887	745	CERK	coding-nonsynon
rs1047768	13	TREND	48/58	71/163	5.445	1	0.01963	0.03935	736	ERCC5	coding-synon
rs11568943	4	TREND	12/96	12/226	4.58	1	0.03234	0.03962	731	EGF	coding-nonsynon
rs1131620	19	DOM	42/12	69/48	5.736	1	0.01662	0.04073	711	LTBP4	intron
rs20580	19	TREND	64/44	107/129	5.55	1	0.01848	0.04367	663	LIG1	coding-synon
rs1885472	10	DOM	22/32	69/49	4.676	1	0.03059	0.04482	646	SIRT1	intron
rs1799977	3	TREND	27/73	90/138	5.253	1	0.02191	0.04723	613	MLH1	coding-nonsynon
rs1760215	1	TREND	13/91	13/211	4.375	1	0.03647	0.0477	607	DPYD	intron,TagSNP:DPYD
rs182623	6	TREND	19/89	67/171	4.679	1	0.03054	0.04809	602	GSTA4	locus,TagSNP:GSTA4
rs6220	12	REC	8/46	6/113	4.77	1	0.02896	0.04858	596	IGF1	untranslated
rs4337789	4	REC	15/39	15/103	5.84	1	0.01567	0.04974	582	UGT2B7	intron
rs2725362	8	TREND	38/66	114/114	5.452	1	0.01955	0.04991	560	WRN	coding-nonsynon