

## 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
rs17197552	3	TREND	1/29	31/41	17.11	1	3.53E-05	2.90E-05	1000000	PPP2R3A	coding-nonsynon
rs735943	1	TREND	18/12	21/51	10.71	1	0.001066	0.001062	28246	EXO1	coding-nonsynon
rs9462088	6	TREND	6/24	0/72	11.85	1	0.0005781	0.001464	20496	FANCE	coding-nonsynon
rs1148555	12	TREND	0/30	16/52	8.84	1	0.002946	0.003195	9390	MBD6	intron
rs1284605	12	TREND	0/30	16/56	8.218	1	0.004149	0.003985	7528	MBD6	intron
rs4713853	6	TREND	6/24	2/68	9.184	1	0.002442	0.00401	7480	PPARD	intron
rs2489581	10	TREND	19/11	23/49	8.375	1	0.003805	0.004613	6503	PDSS1	intron
rs1558093	5	TREND	15/15	16/56	8.268	1	0.004034	0.004658	6440	SMAD5	Promoter
rs1129923	1	TREND	6/24	2/70	9.498	1	0.002057	0.005592	5364	DUSP23	coding-nonsynon
rs697221	12	TREND	0/28	14/56	7.84	1	0.00511	0.006223	4820	DDIT3	coding-synon
rs6457816	6	TREND	4/26	0/72	10.42	1	0.001249	0.006423	4670	PPARD	intron
rs1341162	10	TREND	16/12	22/46	7.351	1	0.006701	0.006621	4530	CYP2C9	intron,TagSNP:CYP2C9_8_cluster
rs1126671	4	TREND	13/13	15/51	7.527	1	0.006077	0.00674	4450	ADH4	coding-nonsynon
rs2927922	10	TREND	19/11	23/49	7.764	1	0.005331	0.007158	4190	PDSS1	intron
rs289747	16	TREND	18/12	19/51	7.654	1	0.005664	0.007351	4080	CETP	3' UTR
rs6003071	22	TREND	22/8	29/43	7.867	1	0.005034	0.008387	3576	MT	intron
rs2707466	7	TREND	18/12	25/47	7.363	1	0.006659	0.008387	3576	WNT16	coding-nonsynon
rs1135961	20	TREND	9/21	5/65	7.792	1	0.005247	0.008863	3384	PSMA7	coding-synon,untranslated
rs2040968	7	TREND	14/16	15/57	7.788	1	0.00526	0.009455	3172	HGF	intron
rs2214827	7	TREND	14/16	15/57	7.788	1	0.00526	0.009455	3172	HGF	intron
rs1800787	4	TREND	12/16	15/55	6.373	1	0.01159	0.009467	3168	FGB	locus
rs2295837	6	TREND	6/24	3/69	7.306	1	0.006873	0.01153	2601	KIAA0274	coding-nonsynon
rs3093873	14	TREND	3/25	0/70	7.989	1	0.004706	0.01193	2514	PARP2	locus
rs2908004	7	TREND	18/12	26/46	6.151	1	0.01313	0.01206	2487	WNT16	coding-nonsynon
rs3793524	9	TREND	18/12	22/50	6.542	1	0.01054	0.01327	2259	PTPN3	coding-nonsynon
rs10977171	9	TREND	10/18	11/59	6.533	1	0.01059	0.01412	2124	PTPRD	coding-nonsynon
rs3741927	12	TREND	2/24	0/70	5.619	1	0.01777	0.01538	1950	DYRK4	coding-nonsynon
rs743535	10	TREND	8/18	7/59	5.762	1	0.01638	0.01739	1724	CYP2E1	intron,TagSNP:CYP2E1
rs17607	17	TREND	4/26	1/71	6.833	1	0.008948	0.01884	1644	CD68	coding-nonsynon
rs9282626	11	TREND	3/27	0/72	7.65	1	0.005677	0.01972	1520	CAT	locus
rs183484	11	TREND	9/21	38/32	5.428	1	0.01982	0.01985	1510	RRM1	coding-synon
rs1126670	4	TREND	12/18	12/58	5.937	1	0.01483	0.02126	1410	ADH4	coding-synon
rs667565	1	TREND	7/23	32/40	6.343	1	0.01178	0.02147	1396	DPYD	intron,TagSNP:DPYD
rs4135113	12	TREND	4/26	1/71	6.833	1	0.008948	0.02151	1394	TDG	coding-nonsynon
rs17722293	5	TREND	3/27	0/72	7.65	1	0.005677	0.02166	1384	SH3TC2	coding-nonsynon
rs1051061	2	TREND	6/22	32/40	4.619	1	0.03162	0.02166	1384	VRK2	coding-nonsynon
rs827500	1	TREND	17/13	25/47	5.358	1	0.02062	0.02204	1360	DPYD	intron,TagSNP:DPYD
rs6901410	6	TREND	4/26	1/71	6.833	1	0.008948	0.02211	1356	PPARD	intron
rs6902123	6	TREND	4/26	1/71	6.833	1	0.008948	0.02211	1356	PPARD	intron
rs7739752	6	TREND	4/26	1/71	6.833	1	0.008948	0.02211	1356	PPARD	intron
rs2295275	6	TREND	7/23	4/68	6.424	1	0.01126	0.02254	1330	TRERF1	coding-nonsynon
rs483536	6	TREND	15/15	18/52	4.911	1	0.02669	0.02281	1358	NFKBIE	locus, TagSNP:HSPCB

## 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
rs2227869	13	TREND	3/27	0/72	7.65	1	0.005677	0.02288	1310	ERCC5	coding-nonsynon
rs1029871	3	TREND	17/13	24/46	4.92	1	0.02655	0.02292	1308	NEK4	coding-nonsynon
rs4947324	6	TREND	3/27	0/68	7.243	1	0.007116	0.02558	1172	TNF	locus, TagSNP:TNF
rs6998760	8	TREND	15/13	18/46	4.975	1	0.02572	0.02566	1168	PSKH2	coding-nonsynon
rs2300697	2	TREND	14/14	21/49	5.6	1	0.01796	0.02611	1148	SRD5A2	intron
rs1799801	16	TREND	4/26	26/46	5.506	1	0.01895	0.02625	1142	ERCC4	coding-synon
rs4148217	2	TREND	11/19	10/62	6.106	1	0.01347	0.02715	1104	ABCG8	coding-nonsynon
rs10018239	4	TREND	4/26	25/45	5.786	1	0.01615	0.02944	1018	PPARGC1A	intron
rs4646285	14	TREND	6/24	3/69	5.753	1	0.01646	0.03018	993	SLC10A1	coding-synon
rs3803390	15	TREND	2/26	0/70	5.213	1	0.02242	0.03168	946	SLC28A1	coding-synon
rs504122	13	TREND	14/16	15/53	5.182	1	0.02282	0.03299	878	SPRY2	coding-nonsynon
rs7903344	10	TREND	9/21	40/30	5.339	1	0.02086	0.03416	848	CHUK	coding-nonsynon
rs1040090	1	TREND	13/17	15/53	5.13	1	0.02352	0.03515	824	DPYD	intron, TagSNP:DPYD
rs3258	8	TREND	17/13	23/49	5.361	1	0.0206	0.03594	806	FDFT1	untranslated
rs882709	9	TREND	5/25	3/69	5.004	1	0.02529	0.03676	788	SETX	coding-nonsynon
rs5361	1	TREND	6/24	3/69	4.745	1	0.02938	0.03699	783	SELE	coding-nonsynon
rs3752988	10	TREND	18/12	25/47	5.16	1	0.02311	0.03742	774	CYP2C9	intron, TagSNP:CYP2C9_8_cluster
rs13815	22	TREND	6/24	33/39	5.726	1	0.01672	0.03756	771	MT	coding-nonsynon
rs373496	16	TREND	8/20	8/60	5.042	1	0.02474	0.03893	744	TNFRSF17	coding-nonsynon
rs3212961	19	TREND	1/29	13/59	3.851	1	0.04971	0.03962	731	ERCC1	intron
rs7921	17	TREND	12/18	15/55	4.411	1	0.03571	0.04022	720	CD79B	untranslated
rs2257212	3	TREND	18/12	25/45	4.76	1	0.02913	0.04197	690	SLC15A2	coding-nonsynon
rs1799999	7	TREND	11/19	14/56	4.667	1	0.03075	0.04271	678	PPP1R3A	coding-nonsynon
rs1042718	5	TREND	10/20	12/60	4.135	1	0.042	0.04421	655	ADRB2	coding-synon
rs752760	15	TREND	9/21	38/34	4.048	1	0.04423	0.04468	648	GLDN	locus
rs529948	6	TREND	7/21	6/64	3.904	1	0.04818	0.0467	620	NFKBIE	Promoter
rs526645	1	TREND	15/15	21/51	4.15	1	0.04162	0.047	616	DPYD	intron, TagSNP:DPYD
rs3798134	5	TREND	2/28	17/55	4.455	1	0.0348	0.04715	614	RAD50	intron, TagSNP:RAD50
rs1800925	5	TREND	2/28	17/55	4.455	1	0.0348	0.04715	614	IL13	locus
rs638456	1	TREND	8/22	33/39	4.399	1	0.03597	0.04715	614	DPYD	intron, TagSNP:DPYD
rs3181078	3	TREND	4/26	2/70	4.546	1	0.033	0.04723	613	CCR1	locus
rs1126672	4	TREND	9/17	11/55	4.155	1	0.04151	0.04723	613	ADH4	coding-synon
rs35683	3	TREND	19/11	31/41	4.233	1	0.03964	0.04778	606	GHRL	intron
rs552926	1	TREND	8/20	33/37	4.049	1	0.04419	0.04809	602	DPYD	intron, TagSNP:DPYD
rs4149117	12	TREND	8/22	8/64	4.76	1	0.02913	0.04817	601	SLCO1B3	coding-nonsynon
rs7311358	12	TREND	8/22	8/64	4.76	1	0.02913	0.04817	601	SLCO1B3	coding-nonsynon
rs2053098	12	TREND	8/22	8/64	4.76	1	0.02913	0.04817	601	SLCO1B3	coding-synon
rs8192658	1	TREND	2/26	0/64	4.779	1	0.02881	0.04899	591	ATF3	coding-synon
rs1567868	2	TREND	6/24	5/67	4.267	1	0.03885	0.04899	591	IL8RA	3' UTR
rs1005658	22	TREND	11/15	17/51	4.679	1	0.03053	0.04957	584	BZRP	locus
rs1801394	5	TREND	16/10	27/41	3.891	1	0.04855	0.04991	580	MTRR	coding-nonsynon