NICSNP CGs, v. 23Jun2005
Gene and SNP counts for all candidate SNPs
Note: SNPs not in genes are in HAPMAP LD Bins

In CG	Rating(Z=not in CG)	Genes	ALL SNPs in dbSNP	SNPs w/ep	Top 40K	SNPs w/ep<=0.05	SNPs w/ep<=0.01	Min ep
Y	A	55	8315	1576	47	95	30	0.000066
	B	391	116073	28764	566	1446	278	0.000022
Y		**446**	**124388**	**30340**	**613**	**1541**	**308**	
N	Z	.	3321	1657	38	95	17	0.001346
		446	**127709**	**31997**	**651**	**1636**	**325**	

Priority	Priority Description	Stat	A	B	All
1	**TOP 40K**	snps	47	566	613
		cumul	0	0	0
		max_gap	161	383	383
2	**p<=0.05**	snps	48	880	928
		cumul	48	880	928
		max_gap	106	383	383
3	**ALL PERLEGEN BIN TAGS (SCIENCE PAPER)**	snps	538	10677	11215
		cumul	586	11557	12143
		max_gap	101	141	141
4	**HAPMAP BIN TAGS PASSING POOLED QC (PPQC:2 CASE/2 CONTROL)**	snps	37	709	746
		cumul	623	12266	12889
		max_gap	101	141	141
5	**PPQC CDS, NO PERLEGEN-LD (NON-SCI OR 0<=PG MAF<10%)**	snps	56	387	443
		cumul	679	12653	13332
		max_gap	101	141	141
6	**PPQC NONSYNONYMOUS (NON-TAG PG BIN SNPS)**	snps	2	5	7
		cumul	681	12658	13339
		max_gap	101	141	141
7	**PPQC CDS (NON-TAG PG BIN SNPS)**	snps	6	38	44
		cumul	687	12696	13383
		max_gap	101	141	141
8	**PPQC UTR**	snps	101	1733	1834
		cumul	788	14429	15217
		max_gap	99	100	100
9	**PPQC p<=0.5 (INTRONIC/LOCUS)**	snps	340	6478	6818
		cumul	1128	20907	22035
		max_gap	23	60	60
10	**ALL PPQC**	snps	401	7291	7692

Priority	Priority Description	Stat	A	B	All
		cumul	1529	28198	29727
		max_gap	21	36	36
11	**ALL SNPS GENOTYPED IN POOLS**	snps	12	171	183
		cumul	1541	28369	29910
		max_gap	21	36	36
12	**ALL HAPMAP WITH MAF>0**	snps	392	5694	6086
		cumul	1933	34063	35996
		max_gap	20	28	28
13	**DBSNP-POLY NONSYNONYMOUS**	snps	43	155	198
		cumul	1976	34218	36194
		max_gap	20	28	28
14	**DBSNP-POLY CDS**	snps	42	175	217
		cumul	2018	34393	36411
		max_gap	20	28	28
15	**DBSNP-POLY UTR**	snps	145	647	792
		cumul	2163	35040	37203
		max_gap	20	28	28
16	**ALL DBSNP-POLY (INTRON/LOCUS)**	snps	507	4313	4820
		cumul	2670	39353	42023
		max_gap	20	26	26
17	**VALIDATED NONSYNONYMOUS**	snps	11	66	77
		cumul	2681	39419	42100
		max_gap	20	26	26
18	**VALIDATED CDS**	snps	13	100	113
		cumul	2694	39519	42213
		max_gap	20	26	26
19	**VALIDATED UTR**	snps	206	3439	3645
		cumul	2900	42958	45858

Priority	Priority Description	Stat	A	B	All
		max_gap	20	26	26
20	**ALL VALIDATED**	snps	1785	25252	27037
		cumul	4685	68210	72895
		max_gap	17	26	26
21	**ALL NONSYNONYMOUS**	snps	55	456	511
		cumul	4740	68666	73406
		max_gap	17	26	26
22	**ALL CDS**	snps	50	361	411
		cumul	4790	69027	73817
		max_gap	17	26	26
23	**ALL UTR**	snps	400	5810	6210
		cumul	5190	74837	80027
		max_gap	17	26	26
24	**ALL DBSNP**	snps	3078	40670	43748
		cumul	8268	115507	123775
		max_gap	11	15	15

SNPs counts with priority thresholds set per gene (Default=7)

Rating	Not top 40K	Top 40K	Total SNPs	Max gap kb	ALL SNPs in dbSNP	SNPs w/ep	ALL SNPs w/ep	SNPs w/ep<= 0.05	SNPs w/ep<= 0.01	Min ep
	850	38	888	.	.	888	.	95	17	0.001346
A	687	47	734	101.09	8315	734	1576	95	30	0.000066
B	12696	566	13262	140.52	116073	13262	28764	1446	278	0.000022
	14233	**651**	**14884**		**124388**	**14884**	**30340**	**1636**	**325**	

Stats by gene, priority thresholds (PT) set per gene (Default=7), sorted by corrected min
Stats reflect all SNPs in gene unless prefixed by "Rep", and all SNPs with priority <= PT unless prefixed by "ALL"

Rating=A

Obs	Gene	PT	Descrip	Chr	Start Pos Mb	Size kb	SNPs	ALL SNPs in dbSNP	SNPs Per Kb	Max gap kb	Mean spc	ALL SNPs w/ep	N05	N01	Min ep	CMin	Rep Not Top 40K	Cumul Rep Not Top 40K
1	CHRNG	7	choliner	2	233.230	5.97	4	42	0.7	3.72	1.69	5	1	1	0.000558	0.002	3	3
2	DRD2	7	dopamine	11	112.786	65.56	30	208	0.5	7.20	2.20	56	13	5	0.000066	0.002	22	25
3	CHRNA6	7	choliner	8	42.727	15.84	7	27	0.4	5.31	2.29	12	5	5	0.000334	0.002	2	27
4	CHRNA4	7	choliner	20	61.446	16.73	3	133	0.2	15.19	4.81	3	1	1	0.002074	0.004	2	29
5	DDC	7	dopa dec	7	50.300	85.67	29	531	0.3	23.97	2.94	72	4	1	0.000195	0.007	27	56
6	MAOB	7	monoamin	23	43.382	115.82	8	214	0.1	32.58	13.15	32	5	2	0.000937	0.015	6	62
7	DBH	7	dopamine	9	133.531	22.98	16	199	0.7	4.08	1.50	30	3	2	0.001679	0.026	14	76
8	CHRNA3	7	choliner	15	76.675	25.67	9	111	0.4	9.68	2.82	16	2	1	0.003748	0.031	7	83
9	CHRNB4	7	choliner	15	76.704	16.96	3	42	0.2	6.71	4.86	4	1	0	0.018248	0.045	2	85
10	CHRNB3	7	choliner	8	42.672	39.65	2	37	0.1	16.56	14.05	5	2	0	0.021130	0.062	2	87
11	BDNF	7	brain-de	11	27.633	66.83	13	151	0.2	14.53	4.95	27	6	2	0.005361	0.072	10	97
12	CHRNA1	7	choliner	2	175.438	16.56	6	76	0.4	8.31	2.72	10	2	0	0.014709	0.078	6	103
13	TH	7	tyrosine	11	2.142	7.88	0	52	0.0	10.38	10.38	2	0	0	0.054932	0.081	0	103
14	OPRM1	7	opioid r	6	154.453	80.12	38	272	0.5	10.85	2.12	59	7	1	0.003337	0.095	36	139
15	TPH1	7	tryptoph	11	17.999	19.77	9	65	0.5	4.46	2.23	15	1	0	0.013079	0.100	8	147
16	CNR1	7	cannabin	6	88.906	5.47	4	23	0.7	2.54	1.59	12	1	0	0.018202	0.113	3	150
17	OPRK1	7	opioid r	8	54.304	22.20	12	48	0.5	8.72	1.90	27	4	1	0.008937	0.118	11	161
18	HTR1A	7	5-hydrox	5	63.292	1.27	0	14	0.0	3.77	3.77	2	0	0	0.082515	0.121	0	161
19	CYP2B6	7	cytochro	19	46.189	27.10	12	144	0.4	6.03	2.28	26	4	1	0.009727	0.124	9	170
20	HTR5A	7	5-hydrox	7	154.300	13.59	12	114	0.9	3.75	1.24	59	4	1	0.004704	0.132	11	181
21	CHRND	7	choliner	2	233.216	9.28	1	39	0.1	6.38	5.89	3	0	0	0.069517	0.134	1	182
22	CHRNA10	7	choliner	11	3.643	5.80	1	45	0.2	6.94	4.15	1	0	0	0.140137	0.140	1	183
23	FMO1	7	flavin c	1	167.949	37.45	32	129	0.9	6.25	1.21	51	2	1	0.007067	0.168	30	213

Stats by gene, priority thresholds (PT) set per gene (Default=7), sorted by corrected min
Stats reflect all SNPs in gene unless prefixed by "Rep", and all SNPs with priority <= PT unless prefixed by "ALL"

Rating=A

Obs	Gene	PT	Descrip	Chr	Start Pos Mb	Size kb	SNPs	ALL SNPs in dbSNP	SNPs Per Kb	Max gap kb	Mean spc	ALL SNPs w/ep	N05	N01	Min ep	CMin	Rep Not Top 40K	Cumul Rep Not Top 40K
24	CHRNA5	7	choliner	15	76.645	28.55	10	108	0.4	9.99	2.82	23	2	0	0.018002	0.196	9	222
25	CHRNB2	7	choliner	1	151.353	8.83	0	31	0.0	11.33	11.33	1	0	0	0.234855	0.235	0	222
26	CHRNA7	7	choliner	15	30.110	138.51	31	340	0.2	31.63	4.41	61	1	1	0.009375	0.253	30	252
27	CHRNA9	7	choliner	4	40.178	19.50	10	102	0.5	5.94	2.00	12	1	0	0.047377	0.271	10	262
28	OPRD1	7	opioid r	1	28.959	51.55	14	198	0.3	15.66	3.60	26	1	0	0.029827	0.336	14	276
29	GABRB2	7	gamma-am	5	160.653	254.26	61	574	0.2	19.79	4.14	169	6	1	0.004849	0.338	59	335
30	ARRB2	7	arrestin	17	4.561	11.01	2	40	0.2	9.98	4.50	5	0	0	0.150175	0.386	2	337
31	ANKK1	7	ankyrin	11	112.764	12.63	9	56	0.7	7.76	1.51	14	0	0	0.064021	0.391	9	346
32	MAOA	7	monoamin	23	43.272	90.66	12	134	0.1	43.67	7.17	29	1	0	0.034532	0.410	12	358
33	PENK	7	proenkep	8	57.516	5.07	0	34	0.0	7.57	7.57	2	0	0	0.296780	0.410	0	358
34	CYP2A6	7	cytochro	19	46.041	6.90	4	75	0.6	6.38	2.35	13	0	0	0.079822	0.441	4	362
35	CCK	7	cholecys	3	42.274	6.93	8	79	1.2	3.17	1.05	11	0	0	0.094746	0.450	8	370
36	GPR51	7	G protei	9	98.130	421.11	158	1564	0.4	25.77	2.66	304	12	3	0.004651	0.509	153	523
37	CHRNA2	7	choliner	8	27.374	18.49	11	70	0.6	6.19	1.75	16	0	0	0.080822	0.511	11	534
38	FMO3	7	flavin c	1	167.792	26.89	19	112	0.7	13.75	1.47	36	1	0	0.042160	0.549	19	553
39	CHRNB1	7	choliner	17	7.289	12.53	6	35	0.5	6.16	2.15	8	0	0	0.163849	0.553	6	559
40	SLC6A4	7	solute c	17	25.549	37.80	6	113	0.2	13.04	5.76	15	0	0	0.098394	0.563	6	565
41	PDYN	7	prodynor	20	1.907	15.30	13	74	0.8	6.63	1.27	27	0	0	0.057921	0.566	13	578
42	DRD3	7	dopamine	3	115.330	50.20	12	157	0.2	11.23	4.05	27	0	0	0.061434	0.588	12	590
43	DRD1	7	dopamine	5	174.801	3.13	2	29	0.6	4.32	1.88	3	0	0	0.360215	0.591	2	592
44	UGT1A4	7	UDP glyc	2	234.409	54.51	12	232	0.2	21.66	4.39	29	0	0	0.061005	0.611	1	593
45	FAAH	7	fatty ac	1	46.572	19.53	4	55	0.2	7.84	4.41	8	0	0	0.192095	0.617	4	597
46	NPY	7	neuropep	7	24.097	7.67	9	88	1.2	4.12	1.02	20	0	0	0.120343	0.740	9	606

Stats by gene, priority thresholds (PT) set per gene (Default=7), sorted by corrected min
Stats reflect all SNPs in gene unless prefixed by "Rep", and all SNPs with priority <= PT unless prefixed by "ALL"

Rating=A

Obs	Gene	PT	Descrip	Chr	Start Pos Mb	Size kb	SNPs	ALL SNPs in dbSNP	SNPs Per Kb	Max gap kb	Mean spc	ALL SNPs w/ep	N05	N01	Min ep	CMin	Rep Not Top 40K	Cumul Rep Not Top 40K
47	SLC6A3	7	solute c	5	1.446	52.64	18	427	0.3	11.16	2.90	42	0	0	0.064668	0.762	18	624
48	ADRBK2	7	adrenerg	22	24.286	158.97	2	406	0.0	101.09	53.82	76	1	0	0.041449	0.804	2	626
49	COMT	7	catechol	22	18.304	27.22	14	238	0.5	13.35	1.98	25	0	0	0.123911	0.821	14	640
50	HTR2A	7	5-hydrox	13	46.306	62.66	46	251	0.7	6.38	1.39	70	1	0	0.047443	0.822	46	686
51	POMC	7	proopiom	2	25.295	7.66	1	33	0.1	9.28	5.08	2	0	0	0.801919	0.912	1	687
52	DRD4	7	dopamine	11	0.627	3.40	0	93	0.0	5.90	5.90	1	0	0	0.937214	0.937	0	687
53	CHRNE	7	choliner	17	4.742	5.31	0	23	0.0	7.81	7.81	0	0	0	999.0000	999.000	0	687
54	DRD1IP	7	dopamine	10	135.028	11.48	0	27	0.0	13.98	13.98	0	0	0	999.0000	999.000	0	687
55	DRD5	7	dopamine	4	9.460	2.03	0	27	0.0	4.53	4.53	0	0	0	999.0000	999.000	0	687
gene_rating																	**687**	

Stats by gene, priority thresholds (PT) set per gene (Default=7), sorted by corrected min
Stats reflect all SNPs in gene unless prefixed by "Rep", and all SNPs with priority <= PT unless prefixed by "ALL"

Rating=B

Obs	Gene	PT	Descrip	Chr	Start Pos Mb	Size kb	SNPs	ALL SNPs in dbSNP	SNPs Per Kb	Max gap kb	Mean spc	ALL SNPs w/ep	N05	N01	Min ep	CMin	Rep Not Top 40K	Cumul Rep Not Top 40K
56	ADCY8	7	adenylat	8	131.862	262.13	76	610	0.3	40.34	3.44	187	9	4	0.000022	0.002	71	758
57	CALM2	7	calmodul	2	47.299	16.35	6	95	0.4	7.59	2.69	7	2	1	0.001322	0.005	5	763
58	CALM1	7	calmodul	14	89.933	11.03	2	45	0.2	7.88	4.51	4	1	1	0.003164	0.008	1	764
59	CACNA1H	7	calcium	16	1.143	68.34	16	285	0.2	30.84	4.17	26	3	2	0.000817	0.011	14	778
60	ADCY4	7	adenylat	14	23.857	16.29	5	66	0.3	5.40	3.13	12	1	1	0.002028	0.013	4	782
61	HTR1D	7	5-hydrox	1	23.264	2.83	2	30	0.7	3.59	1.78	4	2	1	0.005337	0.013	1	783
62	ADCY5	7	adenylat	3	124.486	163.99	33	431	0.2	33.04	4.90	65	13	2	0.000437	0.014	28	811
63	NPY1R	7	neuropep	4	164.603	8.63	5	27	0.6	6.20	1.86	8	4	1	0.003263	0.015	2	813
64	GSTT1	7	glutathi	22	22.701	8.09	3	32	0.4	9.24	2.65	9	1	1	0.003448	0.017	2	815
65	KCNJ14	7	potassiu	19	53.651	10.60	1	28	0.1	12.29	6.55	1	1	0	0.018048	0.018	1	816
66	AANAT	7	arylalky	17	71.975	2.55	1	6	0.4	4.25	2.52	1	1	0	0.018536	0.019	1	817
67	JAK3	7	Janus ki	19	17.798	21.84	10	170	0.5	11.30	2.21	31	4	1	0.001334	0.021	9	826
68	KCNA1	7	potassiu	12	4.891	1.49	3	13	2.0	2.53	1.00	3	1	0	0.011390	0.023	3	829
69	DBI	7	diazepam	2	119.841	4.97	9	49	1.8	2.55	0.75	17	3	2	0.002738	0.024	7	836
70	CXCR4	7	chemokin	2	136.706	3.81	1	15	0.3	3.50	3.16	1	1	0	0.025656	0.026	1	837
71	CDH6	7	cadherin	5	31.230	131.44	32	355	0.2	15.36	4.06	109	6	2	0.000478	0.026	29	866
72	KCNMB2	7	potassiu	3	179.737	307.99	128	963	0.4	27.83	2.43	204	33	13	0.000258	0.026	111	977
73	KCNC4	7	potassiu	1	110.466	22.09	6	60	0.3	6.40	3.51	10	2	1	0.005077	0.028	5	982
74	KCNJ1	7	potassiu	11	128.213	29.35	11	127	0.4	13.02	2.65	18	3	1	0.003109	0.029	9	991
75	HTR3B	7	5-hydrox	11	113.281	41.69	11	135	0.3	16.49	3.68	28	1	1	0.002088	0.030	10	1001
76	HTR1B	7	5-hydrox	6	78.229	1.17	10	23	8.5	1.07	0.33	10	2	1	0.006289	0.034	9	1010
77	KCNB1	7	potassiu	20	47.422	110.68	49	495	0.4	11.17	2.26	69	9	7	0.001037	0.036	41	1051
78	FOSB	7	FBJ muri	19	50.663	7.18	2	39	0.3	5.21	3.23	2	1	0	0.024722	0.037	2	1053

Stats by gene, priority thresholds (PT) set per gene (Default=7), sorted by corrected min
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Rating=B

Obs	Gene	PT	Descrip	Chr	Start Pos Mb	Size kb	SNPs	ALL SNPs in dbSNP	SNPs Per Kb	Max gap kb	Mean spc	ALL SNPs w/ep	N05	N01	Min ep	CMin	Rep Not Top 40K	Cumul Rep Not Top 40K
79	VAMP8	7	vesicle-	2	85.716	4.44	4	23	0.9	3.39	1.39	7	1	1	0.009580	0.038	3	1056
80	KCNV2	7	potassiu	9	2.708	12.23	7	79	0.6	6.60	1.84	10	1	1	0.007507	0.041	6	1062
81	SLC1A2	7	solute c	11	35.229	168.04	87	626	0.5	14.95	1.94	162	8	1	0.000547	0.044	85	1147
82	KCNG1	7	potassiu	20	49.054	19.42	10	93	0.5	5.50	1.99	16	3	1	0.005622	0.047	8	1155
83	CREBBP	7	CREB bin	16	3.717	154.14	18	342	0.1	28.14	8.24	73	4	2	0.001383	0.050	15	1170
84	SLC8A2	7	solute c	19	52.624	44.26	3	113	0.1	18.12	11.69	12	1	1	0.008036	0.051	2	1172
85	DAO	7	D-amino-	12	107.776	20.83	7	58	0.3	6.88	2.92	12	2	1	0.008126	0.052	6	1178
86	MAPK3	7	mitogen-	16	30.033	9.11	1	19	0.1	10.74	5.81	1	0	0	0.052866	0.053	1	1179
87	GRM1	7	glutamat	6	146.392	408.32	127	1039	0.3	24.40	3.21	256	35	8	0.000436	0.055	115	1294
88	CAMK2A	7	calcium/	5	149.579	70.28	36	200	0.5	5.29	1.97	48	14	4	0.002338	0.056	29	1323
89	UGCGL1	7	UDP-gluc	2	128.565	98.63	23	266	0.2	49.30	4.21	45	5	1	0.002516	0.056	22	1345
90	NPY2R	7	neuropep	4	156.487	8.45	9	30	1.1	3.23	1.09	14	2	1	0.007725	0.057	7	1352
91	HTR7	7	5-hydrox	10	92.491	117.09	19	281	0.2	26.34	5.98	48	4	1	0.002415	0.058	18	1370
92	CAMK2G	7	calcium/	10	75.242	62.08	9	115	0.1	18.26	6.46	19	2	1	0.006126	0.060	8	1378
93	RXRG	7	retinoid	1	162.102	43.96	21	189	0.5	14.62	2.11	31	3	1	0.003889	0.060	18	1396
94	SLC29A1	7	solute c	6	44.295	14.49	5	51	0.3	8.95	2.83	5	2	0	0.020717	0.061	5	1401
95	ADH7	7	alcohol	4	100.691	23.00	14	78	0.6	16.85	1.70	23	2	1	0.005294	0.062	13	1414
96	STX11	7	syntaxin	6	144.513	37.83	12	99	0.3	12.62	3.10	25	3	1	0.004913	0.062	11	1425
97	KCNAB2	7	potassiu	1	6.021	74.14	5	219	0.1	28.71	12.77	23	2	1	0.005483	0.064	4	1429
98	STX6	7	syntaxin	1	177.677	46.88	19	107	0.4	13.42	2.47	21	1	1	0.005988	0.064	18	1447
99	DUSP10	7	dual spe	1	218.263	40.70	12	129	0.3	11.90	3.32	18	6	3	0.006963	0.064	9	1456
100	CLTCL1	7	clathrin	22	17.542	112.22	27	518	0.2	13.49	4.10	59	7	3	0.002229	0.065	22	1478
101	CHRM1	7	choliner	11	62.433	12.86	3	29	0.2	9.54	3.84	3	1	0	0.033486	0.066	3	1481

Stats by gene, priority thresholds (PT) set per gene (Default=7), sorted by corrected min
Stats reflect all SNPs in gene unless prefixed by "Rep", and all SNPs with priority <= PT unless prefixed by "ALL"

Rating=B

Obs	Gene	PT	Descrip	Chr	Start Pos Mb	Size kb	SNPs	ALL SNPs in dbSNP	SNPs Per Kb	Max gap kb	Mean spc	ALL SNPs w/ep	N05	N01	Min ep	CMin	Rep Not Top 40K	Cumul Rep Not Top 40K
102	CTSB	7	cathepsi	8	11.739	23.81	18	134	0.8	5.51	1.46	35	3	1	0.003965	0.069	17	1498
103	VAMP4	7	vesicle-	1	168.401	41.91	11	105	0.3	25.27	3.70	15	5	1	0.009446	0.073	10	1508
104	HTR2B	7	5-hydrox	2	231.798	16.87	8	26	0.5	6.86	2.15	15	3	1	0.009982	0.077	6	1514
105	CAMK2B	7	calcium/	7	44.032	106.33	11	165	0.1	29.70	9.07	17	2	1	0.009525	0.083	10	1524
106	TPH2	7	tryptoph	12	70.619	93.60	46	273	0.5	12.48	2.04	80	8	2	0.002184	0.085	41	1565
107	JJAZ1	7	joined t	17	27.288	63.98	11	274	0.2	24.39	5.54	26	1	1	0.006548	0.085	10	1575
108	TRPV4	7	transien	12	108.684	50.32	13	97	0.3	24.27	3.77	17	2	1	0.009867	0.085	12	1587
109	ARRB1	7	arrestin	11	74.655	23.92	12	84	0.5	7.37	2.03	25	3	1	0.006868	0.086	11	1598
110	MYL4	7	myosin,	17	42.642	14.33	3	39	0.2	10.99	4.21	7	1	0	0.023368	0.090	3	1601
111	SCN10A	7	sodium c	3	38.714	96.66	31	264	0.3	28.78	3.10	49	7	1	0.003815	0.091	28	1629
112	KCNS1	7	potassiu	20	43.154	8.80	4	44	0.5	6.82	2.26	7	1	0	0.024055	0.093	4	1633
113	STIP1	7	stress-i	11	63.710	18.34	3	55	0.2	12.93	5.21	3	1	0	0.049694	0.097	3	1636
114	UGT2B4	7	UDP glyc	4	70.527	15.73	5	76	0.3	12.62	3.04	8	2	0	0.023747	0.103	5	1641
115	KCNA10	7	potassiu	1	110.772	1.96	4	20	2.0	2.14	0.89	5	1	0	0.036423	0.105	4	1645
116	ADCY1	7	adenylat	7	45.387	148.59	32	351	0.2	26.73	4.58	63	6	2	0.003494	0.106	30	1675
117	KMO	7	kynureni	1	238.020	64.70	21	219	0.3	27.13	3.05	51	1	1	0.004339	0.107	20	1695
118	SCN3B	7	sodium c	11	123.007	23.39	4	106	0.2	17.62	5.18	12	2	0	0.017339	0.107	3	1698
119	FKBP4	7	FK506 bi	12	2.774	8.97	1	29	0.1	10.23	5.74	2	0	0	0.076426	0.112	1	1699
120	KCNJ4	7	potassiu	22	37.147	28.87	9	121	0.3	9.08	3.14	17	1	0	0.013211	0.113	8	1707
121	GRIN2B	7	glutamat	12	13.605	418.91	167	1099	0.4	21.17	2.51	315	16	3	0.000773	0.115	162	1869
122	OPRL1	7	opiate r	20	62.182	20.51	1	51	0.0	19.82	11.50	2	0	0	0.078754	0.116	1	1870
123	TAS2R16	7	taste re	7	122.229	0.88	6	11	6.9	1.79	0.48	8	1	0	0.027533	0.118	6	1876
124	RELN	7	reelin	7	102.706	517.73	303	2201	0.6	56.97	1.71	541	30	7	0.000481	0.122	288	2164

Stats by gene, priority thresholds (PT) set per gene (Default=7), sorted by corrected min
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Rating=B

Obs	Gene	PT	Descrip	Chr	Start Pos Mb	Size kb	SNPs	ALL SNPs in dbSNP	SNPs Per Kb	Max gap kb	Mean spc	ALL SNPs w/ep	N05	N01	Min ep	CMin	Rep Not Top 40K	Cumul Rep Not Top 40K
125	STX8	7	syntaxin	17	9.095	325.49	120	1101	0.4	28.49	2.71	198	5	1	0.001362	0.127	119	2283
126	OGG1	7	8-oxogua	3	9.766	17.64	4	113	0.2	5.72	4.03	5	1	0	0.044773	0.128	4	2287
127	GRID2	7	glutamat	4	93.583	1467.84	266	3012	0.2	71.44	5.51	936	24	6	0.000300	0.131	254	2541
128	KCNN3	7	potassiu	1	151.493	162.84	73	571	0.4	17.58	2.23	129	13	4	0.002165	0.131	68	2609
129	PRKCABP	7	protein	22	36.778	18.31	2	68	0.1	10.54	6.94	9	1	0	0.027941	0.132	2	2611
130	KCNA5	7	potassiu	12	5.023	2.86	5	25	1.7	2.32	0.89	7	1	0	0.037943	0.143	5	2616
131	UGT2B10	7	UDP glyc	4	69.862	14.89	5	87	0.3	9.16	2.90	14	2	0	0.020664	0.145	5	2621
132	KCND3	7	potassiu	1	112.030	213.32	109	750	0.5	11.16	1.96	245	13	2	0.001280	0.146	104	2725
133	KCNQ2	7	potassiu	20	61.502	72.42	9	385	0.1	20.02	7.49	15	1	0	0.019539	0.146	9	2734
134	GABRR1	7	gamma-am	6	89.945	39.09	43	209	1.1	4.50	0.95	70	6	2	0.004448	0.146	41	2775
135	UGT2A1	7	UDP glyc	4	70.636	58.45	37	267	0.6	10.94	1.60	76	8	2	0.004188	0.149	34	2809
136	DAPP1	7	dual ada	4	101.095	53.32	24	155	0.5	14.20	2.23	63	5	2	0.005050	0.150	22	2831
137	GRM4	7	glutamat	6	34.098	111.81	32	460	0.3	11.99	3.46	127	11	1	0.002608	0.154	31	2862
138	NAT2	7	N-acetyl	8	18.293	9.93	15	44	1.5	3.27	0.78	17	2	0	0.018594	0.155	15	2877
139	SLC6A11	7	solute c	3	10.833	122.23	57	388	0.5	13.21	2.15	107	9	3	0.003166	0.157	53	2930
140	PTEN	7	phosphat	10	89.613	103.21	13	214	0.1	18.77	7.55	32	3	0	0.010325	0.157	11	2941
141	ADCY9	7	adenylat	16	3.955	150.55	40	565	0.3	16.90	3.83	105	3	2	0.003258	0.159	38	2979
142	CDC37L1	7	cell div	9	4.670	26.84	5	127	0.2	9.42	4.89	31	1	0	0.010999	0.162	5	2984
143	PNOC	7	preprono	8	28.231	26.22	20	104	0.8	5.10	1.37	23	2	0	0.014782	0.164	19	3003
144	SCN5A	7	sodium c	3	38.565	101.61	34	280	0.3	11.77	2.97	59	9	2	0.005988	0.165	31	3034
145	PPID	7	peptidyl	4	159.988	14.27	3	39	0.2	8.14	4.19	9	1	0	0.036043	0.168	3	3037
146	SGNE1	7	secretor	15	30.721	55.34	27	158	0.5	13.43	2.07	52	3	1	0.006924	0.168	26	3063
147	PRKAR1B	7	protein	7	0.491	35.26	0	36	0.0	37.76	37.76	2	0	0	0.115702	0.168	0	3063

Stats by gene, priority thresholds (PT) set per gene (Default=7), sorted by corrected min
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Rating=B

Obs	Gene	PT	Descrip	Chr	Start Pos Mb	Size kb	SNPs	ALL SNPs in dbSNP	SNPs Per Kb	Max gap kb	Mean spc	ALL SNPs w/ep	N05	N01	Min ep	CMin	Rep Not Top 40K	Cumul Rep Not Top 40K
148	SCN4B	7	sodium c	11	117.509	19.45	3	66	0.2	14.65	5.49	7	1	0	0.046257	0.173	3	3066
149	NR1I3	7	nuclear	1	158.013	8.50	4	48	0.5	7.24	2.20	8	1	0	0.041300	0.173	4	3070
150	SNX5	7	sorting	20	17.870	27.25	25	155	0.9	4.06	1.14	39	8	2	0.009464	0.173	21	3091
151	SLC12A6	7	solute c	15	32.313	85.26	32	284	0.4	13.65	2.66	68	7	3	0.005520	0.174	28	3119
152	PTPNS1	7	protein	20	1.823	45.11	19	198	0.4	10.08	2.38	47	2	1	0.007939	0.174	18	3137
153	SCN9A	7	sodium c	2	166.880	113.50	56	343	0.5	10.61	2.04	96	11	2	0.004034	0.178	51	3188
154	KCNJ10	7	potassiu	1	156.821	32.00	9	93	0.3	12.50	3.45	16	1	0	0.022964	0.179	9	3197
155	JAZF1	7	juxtapos	7	27.643	350.03	111	959	0.3	26.88	3.15	257	19	6	0.001542	0.181	100	3297
156	CDK5	7	cyclin-d	7	150.189	4.10	0	37	0.0	6.60	6.60	4	0	0	0.078390	0.185	0	3297
157	CAMK2D	7	calcium/	4	114.731	309.16	121	750	0.4	22.24	2.55	313	25	6	0.001333	0.189	109	3406
158	KCNN4	7	potassiu	19	48.963	14.72	7	71	0.5	5.27	2.15	11	3	0	0.034409	0.189	7	3413
159	VAMP2	7	vesicle-	17	8.003	3.83	0	21	0.0	6.33	6.33	1	0	0	0.190410	0.190	0	3413
160	GABRA6	7	gamma-am	5	161.046	16.15	9	55	0.6	7.52	1.87	18	1	0	0.022321	0.193	9	3422
161	CYP2C19	7	cytochro	10	96.512	90.21	8	252	0.1	34.78	10.30	18	1	0	0.022628	0.195	8	3430
162	GRIN3B	7	glutamat	19	0.951	8.49	0	61	0.0	10.99	10.99	3	0	0	0.104013	0.197	0	3430
163	HTR3A	7	5-hydrox	11	113.351	15.13	7	92	0.5	5.39	2.20	14	1	0	0.029372	0.200	7	3437
164	KCNMB3	7	potassiu	3	180.443	24.28	14	133	0.6	9.73	1.79	23	2	0	0.018608	0.202	13	3450
165	FMO4	7	flavin c	1	168.015	27.74	12	72	0.4	5.96	2.33	20	2	0	0.021393	0.203	12	3462
166	NR3C2	7	nuclear	4	149.358	363.60	172	1001	0.5	17.03	2.12	327	17	4	0.001389	0.204	164	3626
167	TFRC	7	transfer	3	197.265	32.59	15	148	0.5	10.94	2.19	31	3	0	0.014205	0.205	14	3640
168	CNR2	7	cannabin	1	23.946	39.36	33	266	0.8	15.23	1.23	47	1	1	0.009517	0.205	32	3672
169	CAMK1	7	calcium/	3	9.774	12.63	2	51	0.2	10.54	5.04	2	0	0	0.142512	0.206	0	3672
170	KCNC1	7	potassiu	11	17.714	36.64	11	111	0.3	9.37	3.26	20	1	0	0.022007	0.208	11	3683

Stats by gene, priority thresholds (PT) set per gene (Default=7), sorted by corrected min
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Rating=B

Obs	Gene	PT	Descrip	Chr	Start Pos Mb	Size kb	SNPs	ALL SNPs in dbSNP	SNPs Per Kb	Max gap kb	Mean spc	ALL SNPs w/ep	N05	N01	Min ep	CMin	Rep Not Top 40K	Cumul Rep Not Top 40K
171	AVPR1A	7	arginine	12	61.826	6.37	4	30	0.6	4.42	1.77	8	0	0	0.051007	0.210	4	3687
172	GRIK1	7	glutamat	21	29.831	402.97	183	1405	0.5	27.13	2.20	466	21	3	0.001010	0.210	179	3866
173	AVP	7	arginine	20	3.011	2.87	0	29	0.0	5.37	5.37	3	0	0	0.111250	0.210	0	3866
174	SLC39A8	7	solute c	4	103.540	83.48	49	211	0.6	10.03	1.72	73	8	1	0.006467	0.213	46	3912
175	VAMP1	7	vesicle-	12	6.442	8.44	12	55	1.4	3.43	0.84	24	1	0	0.019522	0.218	11	3923
176	GRK6	7	G protei	5	176.786	16.07	6	29	0.4	8.51	2.65	10	1	0	0.044157	0.220	6	3929
177	ADH1B	7	alcohol	4	100.585	15.03	2	52	0.1	12.29	5.84	4	0	0	0.096523	0.224	2	3931
178	TAS2R38	7	taste re	7	141.126	1.00	3	4	3.0	2.14	0.88	3	0	0	0.121643	0.228	3	3934
179	KCND1	7	potassiu	23	48.575	9.61	1	19	0.1	6.28	6.06	3	0	0	0.122119	0.229	1	3935
180	PLP1	7	proteoli	23	102.838	15.79	4	87	0.3	7.65	3.66	12	1	0	0.039654	0.231	3	3938
181	MAP2K1	7	mitogen-	15	64.467	104.26	36	256	0.3	10.98	2.89	57	3	1	0.009294	0.237	35	3973
182	MOBP	7	myelin-a	3	39.484	58.69	33	397	0.6	8.80	1.80	96	2	1	0.005584	0.238	31	4004
183	ADRB2	7	adrenerg	5	148.186	2.01	11	31	5.5	1.24	0.38	11	2	0	0.044721	0.240	11	4015
184	GABRB1	7	gamma-am	4	46.875	394.87	149	952	0.4	23.38	2.65	276	28	7	0.002010	0.243	136	4151
185	ADCYAP1	7	adenylat	18	0.895	5.67	0	51	0.0	8.17	8.17	1	0	0	0.244410	0.244	0	4151
186	KCNN2	7	potassiu	5	113.726	134.18	48	333	0.4	14.34	2.79	82	1	1	0.006755	0.245	47	4198
187	KCNG2	7	potassiu	18	75.725	36.15	0	162	0.0	38.65	38.65	7	0	0	0.068720	0.248	0	4198
188	GAD1	7	glutamat	2	171.499	44.58	6	172	0.1	30.69	6.73	23	1	0	0.023790	0.251	6	4204
189	UGT8	7	UDP glyc	4	115.901	54.23	1	95	0.0	30.87	28.36	13	1	0	0.040508	0.251	1	4205
190	GABRA1	7	gamma-am	5	161.207	52.01	16	137	0.3	13.11	3.21	36	6	0	0.015563	0.252	15	4220
191	ALDH2	7	aldehyde	12	110.667	43.44	7	66	0.2	16.88	5.74	13	1	0	0.040667	0.252	7	4227
192	DUSP5	7	dual spe	10	112.248	13.62	9	37	0.7	7.36	1.61	10	0	0	0.052143	0.255	9	4236
193	CAMK4	7	calcium/	5	110.588	260.67	98	877	0.4	13.32	2.66	245	19	3	0.002442	0.260	92	4328

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Obs	Gene	PT	Descrip	Chr	Start Pos Mb	Size kb	SNPs	ALL SNPs in dbSNP	SNPs Per Kb	Max gap kb	Mean spc	ALL SNPs w/ep	N05	N01	Min ep	CMin	Rep Not Top 40K	Cumul Rep Not Top 40K
194	PPP1R1B	7	protein	17	35.037	9.70	0	31	0.0	12.20	12.20	3	0	0	0.139672	0.260	0	4328
195	GRIN3A	7	glutamat	9	101.411	169.23	56	635	0.3	12.55	3.01	139	3	1	0.004495	0.270	55	4383
196	PRL	7	prolacti	6	22.395	10.25	7	36	0.7	4.06	1.59	8	0	0	0.068537	0.273	7	4390
197	SCN2B	7	sodium c	11	117.541	11.06	0	56	0.0	13.56	13.56	8	0	0	0.069146	0.276	0	4390
198	BZRP	7	benzodia	22	41.872	11.70	3	98	0.3	5.50	3.55	5	0	0	0.103481	0.279	3	4393
199	MYLK2	7	myosin l	20	29.871	15.11	8	70	0.5	5.56	1.96	12	1	0	0.049926	0.283	8	4401
200	ADCY6	7	adenylat	12	47.446	17.93	2	36	0.1	9.91	6.81	4	0	0	0.124918	0.284	2	4403
201	KCNJ13	7	potassiu	2	233.457	10.10	12	31	1.2	2.09	0.97	14	1	0	0.044037	0.287	12	4415
202	GRM6	7	glutamat	5	178.338	16.79	5	125	0.3	14.84	3.22	17	1	0	0.037274	0.290	5	4420
203	GRPR	7	gastrin-	23	15.901	29.26	7	46	0.2	10.72	3.97	16	1	0	0.039435	0.290	7	4427
204	MYLK	7	myosin,	3	124.814	272.00	54	815	0.2	42.47	4.99	197	16	2	0.003452	0.290	49	4476
205	SLC6A1	7	solute c	3	11.009	46.48	15	197	0.3	16.68	3.06	32	1	0	0.020607	0.291	15	4491
206	STX12	7	syntaxin	1	27.784	51.03	1	118	0.0	42.40	26.77	20	1	0	0.033089	0.298	1	4492
207	SLC18A2	7	solute c	10	118.991	36.38	22	223	0.6	9.77	1.69	33	1	0	0.020911	0.302	22	4514
208	SCN11A	7	sodium c	3	38.862	104.79	31	242	0.3	11.44	3.35	64	5	0	0.010998	0.302	30	4544
209	GABRG2	7	gamma-am	5	161.427	87.81	41	198	0.5	9.27	2.15	72	6	0	0.010115	0.310	39	4583
210	SLC1A3	7	solute c	5	36.642	81.75	49	282	0.6	8.81	1.68	89	7	2	0.008248	0.311	45	4628
211	KCNJ15	7	potassiu	21	38.551	45.08	41	200	0.9	8.18	1.13	87	2	1	0.008601	0.316	40	4668
212	CRHR2	7	corticot	7	30.465	29.70	7	78	0.2	10.29	4.02	13	0	0	0.052907	0.316	7	4675
213	GRIA3	7	glutamat	23	122.044	304.64	111	607	0.4	31.97	2.77	175	16	4	0.004352	0.319	105	4780
214	KCNB2	7	potassiu	8	73.612	400.96	192	950	0.5	24.87	2.09	407	18	6	0.001882	0.319	181	4961
215	CACNA1G	7	calcium	17	45.993	66.09	23	200	0.3	11.63	2.86	34	2	0	0.021939	0.322	23	4984
216	NPY5R	7	neuropep	4	164.623	8.00	3	33	0.4	4.04	2.62	5	0	0	0.123015	0.326	3	4987

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Rating=B

Obs	Gene	PT	Descrip	Chr	Start Pos Mb	Size kb	SNPs	ALL SNPs in dbSNP	SNPs Per Kb	Max gap kb	Mean spc	ALL SNPs w/ep	N05	N01	Min ep	CMin	Rep Not Top 40K	Cumul Rep Not Top 40K
217	NTRK2	7	neurotro	9	84.514	352.72	112	978	0.3	26.71	3.14	239	14	2	0.003301	0.328	108	5095
218	GRIN1	7	glutamat	9	137.309	30.37	0	68	0.0	32.87	32.87	2	0	0	0.233046	0.328	0	5095
219	HSPCA	7	heat sho	14	101.617	5.99	0	46	0.0	8.49	8.49	1	0	0	0.329665	0.330	0	5095
220	GPR3	7	G protei	1	27.403	3.17	1	13	0.3	3.82	2.83	1	0	0	0.330423	0.330	1	5096
221	KCNMB4	7	potassiu	12	69.046	64.92	25	202	0.4	11.53	2.59	46	1	0	0.016941	0.331	24	5120
222	GABRA4	7	gamma-am	4	46.762	74.66	35	215	0.5	13.40	2.20	75	3	0	0.010518	0.331	34	5154
223	CHRM3	7	choliner	1	236.397	1.77	2	6	1.1	1.86	1.42	3	0	0	0.185141	0.336	2	5156
224	GRIN2A	7	glutamat	16	9.763	421.19	238	1692	0.6	28.73	1.77	480	39	10	0.001702	0.336	221	5377
225	TF	7	transfer	3	134.948	32.40	27	249	0.8	7.70	1.29	48	6	0	0.017304	0.348	25	5402
226	SLC8A1	7	solute c	2	40.254	315.30	165	1274	0.5	18.03	1.91	439	27	5	0.001974	0.353	156	5558
227	KCNV1	7	potassiu	8	111.048	7.72	0	17	0.0	10.22	10.22	6	0	0	0.117108	0.353	0	5558
228	TAS2R7	7	taste re	12	10.845	0.96	0	8	0.0	3.46	3.46	1	0	0	0.357262	0.357	0	5558
229	CLTC	7	clathrin	17	55.052	75.22	21	185	0.3	13.46	3.53	45	3	0	0.019041	0.357	20	5578
230	OPCML	7	opioid b	11	131.793	524.96	227	1624	0.4	20.24	2.31	461	21	7	0.001913	0.357	214	5792
231	RARB	7	retinoic	3	25.445	169.67	80	567	0.5	18.35	2.13	170	8	2	0.005173	0.358	77	5869
232	SLC1A1	7	solute c	9	4.480	96.82	65	360	0.7	9.06	1.53	94	6	1	0.009480	0.364	61	5930
233	KCNJ6	7	potassiu	21	37.919	291.91	163	1155	0.6	24.18	1.80	307	17	4	0.002942	0.365	159	6089
234	NFKB1	7	nuclear	4	103.780	115.99	31	408	0.3	33.49	3.70	102	8	2	0.008801	0.366	28	6117
235	FDFT1	7	farnesyl	8	11.698	36.56	21	186	0.6	10.46	2.06	37	2	0	0.024090	0.371	21	6138
236	KCNJ5	7	potassiu	11	128.267	26.65	7	112	0.3	14.10	3.64	13	0	0	0.064046	0.371	7	6145
237	ADH1A	7	alcohol	4	100.555	14.62	2	40	0.1	14.76	5.71	6	0	0	0.125843	0.375	2	6147
238	FKBP5	7	FK506 bi	6	35.649	115.35	10	205	0.1	26.29	10.71	37	3	0	0.024595	0.377	10	6157
239	GABRA2	7	gamma-am	4	46.093	140.23	31	356	0.2	31.65	4.46	99	3	1	0.009513	0.380	30	6187

Stats by gene, priority thresholds (PT) set per gene (Default=7), sorted by corrected min
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Rating=B

Obs	Gene	PT	Descrip	Chr	Start Pos Mb	Size kb	SNPs	ALL SNPs in dbSNP	SNPs Per Kb	Max gap kb	Mean spc	ALL SNPs w/ep	N05	N01	Min ep	CMin	Rep Not Top 40K	Cumul Rep Not Top 40K
240	ADRA1D	7	adrenerg	20	4.150	27.84	4	148	0.1	23.41	6.07	9	0	0	0.091198	0.380	4	6191
241	CREB1	7	cAMP res	2	208.220	68.89	10	126	0.1	21.98	6.49	18	0	0	0.050026	0.386	10	6201
242	KCNJ16	7	potassiu	17	65.583	60.32	53	296	0.9	6.54	1.16	105	2	1	0.009276	0.390	52	6253
243	STX5A	7	syntaxin	11	62.331	25.17	2	77	0.1	17.94	9.22	8	0	0	0.105136	0.393	2	6255
244	ITGB3BP	7	integrin	1	63.618	49.43	14	165	0.3	14.02	3.46	49	4	0	0.019920	0.395	14	6269
245	MYL3	7	myosin,	3	46.874	5.56	2	25	0.4	3.57	2.69	11	0	0	0.080527	0.396	2	6271
246	SLC3A1	7	solute c	2	44.414	45.35	9	145	0.2	31.83	4.78	38	2	0	0.026374	0.406	8	6279
247	CYP1A1	7	cytochro	15	72.799	5.99	1	38	0.2	6.89	4.24	3	0	0	0.231396	0.409	1	6280
248	NCOA1	7	nuclear	2	24.778	124.57	17	247	0.1	30.72	7.06	72	3	0	0.014371	0.410	15	6295
249	KCNAB1	7	potassiu	3	157.321	418.20	124	1102	0.3	31.52	3.37	344	17	5	0.003063	0.411	115	6410
250	ALDH1A1	7	aldehyde	9	72.745	52.38	16	306	0.3	9.57	3.23	52	6	0	0.019827	0.412	15	6425
251	ADRA1A	7	adrenerg	8	26.662	117.26	62	324	0.5	10.75	1.90	122	6	1	0.008687	0.415	61	6486
252	DUSP4	7	dual spe	8	29.250	14.57	1	48	0.1	8.93	8.53	2	0	0	0.304027	0.419	1	6487
253	TDO2	7	tryptoph	4	157.182	16.70	10	67	0.6	6.04	1.75	22	1	0	0.046236	0.420	10	6497
254	KCNMA1	7	potassiu	10	78.315	752.94	311	2543	0.4	37.79	2.42	628	32	3	0.001780	0.429	297	6794
255	KCNG4	7	potassiu	16	82.813	17.53	15	95	0.9	5.38	1.25	20	0	0	0.052233	0.431	15	6809
256	GRIN2D	7	glutamat	19	53.590	49.26	1	125	0.0	33.72	25.88	10	0	0	0.098045	0.433	1	6810
257	UGCGL2	7	UDP-gluc	13	95.252	251.80	34	499	0.1	40.96	7.27	98	2	0	0.011434	0.434	33	6843
258	CRH	7	corticot	8	67.251	2.08	0	11	0.0	4.58	4.58	1	0	0	0.439226	0.439	0	6843
259	ZNF622	7	zinc fin	5	16.505	14.27	5	49	0.4	8.62	2.79	16	0	0	0.066391	0.442	5	6848
260	ACP1	7	acid pho	2	0.255	13.39	3	63	0.2	9.16	3.97	9	0	0	0.111828	0.447	3	6851
261	CRHR1	7	corticot	17	41.217	51.52	26	147	0.5	15.79	2.00	38	1	0	0.030096	0.449	25	6876
262	PRKCE	7	protein	2	45.791	536.09	245	1677	0.5	23.15	2.19	464	25	3	0.002561	0.449	237	7113

Stats by gene, priority thresholds (PT) set per gene (Default=7), sorted by corrected min
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Rating=B

Obs	Gene	PT	Descrip	Chr	Start Pos Mb	Size kb	SNPs	ALL SNPs in dbSNP	SNPs Per Kb	Max gap kb	Mean spc	ALL SNPs w/ep	N05	N01	Min ep	CMin	Rep Not Top 40K	Cumul Rep Not Top 40K
263	TACR3	7	tachykin	4	104.868	130.35	28	360	0.2	31.38	4.58	61	2	0	0.019174	0.451	27	7140
264	DNM2	7	dynamin	19	10.690	113.81	10	217	0.1	26.44	10.57	33	1	0	0.035168	0.456	10	7150
265	MYL2	7	myosin,	12	109.811	8.37	2	95	0.2	5.84	3.62	8	0	0	0.126930	0.457	2	7152
266	ZNF133	7	zinc fin	20	18.217	28.48	22	123	0.8	9.10	1.35	41	1	0	0.028921	0.460	22	7174
267	GABRG3	7	gamma-am	15	24.799	357.37	143	1031	0.4	29.67	2.50	285	13	2	0.004332	0.462	138	7312
268	PRKAR2B	7	protein	7	106.279	117.08	22	250	0.2	16.83	5.20	60	1	0	0.020194	0.463	22	7334
269	STX16	7	syntaxin	20	56.660	28.25	11	132	0.4	6.49	2.56	24	1	0	0.048843	0.465	11	7345
270	UGT1A3	7	UDP glyc	2	234.420	44.17	10	186	0.2	14.42	4.24	19	0	0	0.061005	0.467	0	7345
271	RYR1	7	ryanodin	19	43.616	153.83	26	432	0.2	22.50	6.25	56	2	0	0.021849	0.467	26	7371
272	UGT1A1	7	UDP glyc	2	234.451	13.03	6	65	0.5	10.81	2.22	12	0	0	0.093446	0.471	0	7371
273	UGT2B7	7	UDP glyc	4	70.143	16.48	21	87	1.3	3.40	0.86	37	2	0	0.033022	0.472	20	7391
274	GRIK2	7	glutamat	6	101.954	669.80	269	2431	0.4	36.72	2.49	552	32	8	0.002318	0.474	252	7643
275	PRLR	7	prolacti	5	35.100	166.35	54	475	0.3	22.93	3.07	134	6	1	0.009489	0.475	52	7695
276	PAK7	7	p21(CDKN	20	9.466	301.49	158	1287	0.5	11.69	1.91	257	27	6	0.004984	0.475	144	7839
277	HTR1F	7	5-hydrox	3	88.123	1.10	1	8	0.9	2.78	1.80	1	0	0	0.476342	0.476	1	7840
278	MAP3K4	7	mitogen-	6	161.383	125.56	36	411	0.3	13.86	3.46	90	6	0	0.014530	0.486	35	7875
279	LEP	7	leptin (	7	127.486	5.64	2	27	0.4	4.53	2.71	7	0	0	0.157937	0.497	2	7877
280	GFAP	7	glial fi	17	40.339	9.88	7	49	0.7	5.37	1.77	11	0	0	0.109792	0.502	7	7884
281	ADD3	7	adducin	10	111.756	129.52	9	370	0.1	35.59	13.20	61	1	0	0.022353	0.504	9	7893
282	RYR2	7	ryanodin	1	233.532	790.95	380	3234	0.5	28.62	2.08	807	41	4	0.001738	0.505	370	8263
283	CYP2E1	7	cytochro	10	135.230	11.76	15	114	1.3	3.78	0.89	41	2	0	0.032920	0.505	15	8278
284	NTRK1	7	neurotro	1	153.644	20.71	5	59	0.2	8.09	3.87	11	0	0	0.111294	0.507	5	8283
285	JAK2	7	Janus ki	9	4.975	142.75	19	436	0.1	34.11	7.64	81	1	0	0.017237	0.510	19	8302

Stats by gene, priority thresholds (PT) set per gene (Default=7), sorted by corrected min
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Rating=B

Obs	Gene	PT	Descrip	Chr	Start Pos Mb	Size kb	SNPs	ALL SNPs in dbSNP	SNPs Per Kb	Max gap kb	Mean spc	ALL SNPs w/ep	N05	N01	Min ep	CMin	Rep Not Top 40K	Cumul Rep Not Top 40K
286	HTR1E	7	5-hydrox	6	87.704	78.99	18	129	0.2	13.20	4.29	32	1	0	0.042515	0.512	18	8320
287	TNK1	7	tyrosine	17	7.225	8.65	0	33	0.0	11.15	11.15	6	0	0	0.187186	0.516	0	8320
288	KCNS3	7	potassiu	2	17.982	54.28	11	198	0.2	21.77	4.73	51	1	0	0.027575	0.517	11	8331
289	ADCY7	7	adenylat	16	48.879	30.22	8	85	0.3	12.06	3.64	11	0	0	0.114511	0.518	8	8339
290	GABRE	7	gamma-am	23	150.792	21.56	9	90	0.4	12.89	2.41	18	0	0	0.074085	0.519	9	8348
291	TRPV1	7	transien	17	3.415	43.96	23	235	0.5	10.87	1.94	41	2	0	0.034536	0.522	23	8371
292	PIP5K2A	7	phosphat	10	22.866	177.66	62	619	0.3	15.84	2.91	151	4	1	0.009722	0.524	60	8431
293	ITPKB	7	inositol	1	223.126	105.80	44	339	0.4	15.96	2.41	80	2	0	0.018238	0.525	42	8473
294	CASK	7	calcium/	23	41.136	402.93	37	589	0.1	54.85	10.67	104	4	0	0.014137	0.526	36	8509
295	VAMP5	7	vesicle-	2	85.723	8.98	1	30	0.1	9.36	5.74	2	0	0	0.393219	0.527	1	8510
296	KCNJ12	7	potassiu	17	21.259	1.80	12	46	6.7	2.06	0.33	14	0	0	0.095498	0.529	12	8522
297	CACNA1I	7	calcium	22	38.291	115.97	44	415	0.4	12.59	2.63	71	5	0	0.020761	0.530	44	8566
298	STX17	7	syntaxin	9	99.757	55.16	13	109	0.2	12.42	4.12	22	0	0	0.063664	0.531	13	8579
299	MAPK4	7	mitogen-	18	46.444	68.35	29	204	0.4	10.79	2.36	62	2	0	0.023928	0.534	29	8608
300	MAPK1	7	mitogen-	22	20.441	105.09	19	299	0.2	24.58	5.38	34	2	0	0.042805	0.535	19	8627
301	KCNA3	7	potassiu	1	110.926	3.34	3	14	0.9	4.01	1.46	3	0	0	0.318600	0.536	3	8630
302	GABRA5	7	gamma-am	15	24.743	34.05	5	83	0.1	16.03	6.09	19	0	0	0.073984	0.536	5	8635
303	MAPK7	7	mitogen-	17	19.222	5.79	2	29	0.3	5.01	2.76	4	0	0	0.267837	0.541	2	8637
304	CLOCK	7	clock ho	4	56.140	114.34	73	422	0.6	12.88	1.58	115	13	0	0.013357	0.542	70	8707
305	SCN7A	7	sodium c	2	167.087	81.59	28	196	0.3	15.56	2.90	56	1	0	0.027013	0.542	28	8735
306	CDH10	7	cadherin	5	24.523	157.70	63	650	0.4	15.93	2.50	189	6	1	0.008193	0.542	61	8796
307	GABRA3	7	gamma-am	23	151.007	283.30	36	618	0.1	41.50	7.72	101	9	0	0.015217	0.543	34	8830
308	VAPB	7	VAMP (ve	20	56.398	57.72	10	236	0.2	32.24	5.47	24	0	0	0.062257	0.552	10	8840

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Rating=B

Obs	Gene	PT	Descrip	Chr	Start Pos Mb	Size kb	SNPs	ALL SNPs in dbSNP	SNPs Per Kb	Max gap kb	Mean spc	ALL SNPs w/ep	N05	N01	Min ep	CMin	Rep Not Top 40K	Cumul Rep Not Top 40K
309	SCN8A	7	sodium c	12	50.271	217.08	30	306	0.1	46.67	7.08	65	3	0	0.024329	0.556	30	8870
310	TEBP	7	unactive	12	55.344	24.51	4	82	0.2	14.08	5.40	11	0	0	0.127641	0.559	4	8874
311	GRM3	7	glutamat	7	85.918	220.96	36	539	0.2	34.53	6.04	149	2	0	0.010956	0.562	35	8909
312	LEPR	7	leptin r	1	65.603	212.19	109	631	0.5	14.86	1.95	197	6	1	0.008358	0.564	105	9014
313	PROK2	7	prokinet	3	71.903	13.41	0	30	0.0	15.91	15.91	3	0	0	0.341031	0.566	0	9014
314	SCN4A	7	sodium c	17	59.370	34.36	5	94	0.1	14.82	6.14	14	0	0	0.106722	0.571	5	9019
315	VAPA	7	VAMP (ve	18	9.904	45.59	24	300	0.5	11.96	1.92	42	1	0	0.038873	0.574	24	9043
316	PTK2	7	PTK2 pro	8	141.738	342.83	11	520	0.0	110.84	28.78	70	1	0	0.023731	0.574	11	9054
317	KCNJ2	7	potassiu	17	65.677	10.51	3	36	0.3	8.65	3.25	5	0	0	0.247402	0.574	3	9057
318	KCNA4	7	potassiu	11	29.988	6.72	1	19	0.1	7.30	4.61	1	0	0	0.574210	0.574	1	9058
319	CYP2J2	7	cytochro	1	60.071	33.44	8	193	0.2	8.76	3.99	27	0	0	0.059856	0.579	8	9066
320	GRIN2C	7	glutamat	17	70.350	17.83	3	42	0.2	11.52	5.08	7	0	0	0.195959	0.582	3	9069
321	MC4R	7	melanoco	18	56.190	1.00	1	25	1.0	2.39	1.75	4	0	0	0.301822	0.593	1	9070
322	ADRA1B	7	adrenerg	5	159.276	55.81	16	128	0.3	11.59	3.43	33	0	0	0.051473	0.593	16	9086
323	KCNJ11	7	potassiu	11	17.365	1.95	1	24	0.5	3.11	2.22	1	0	0	0.595409	0.595	1	9087
324	GSTM1	7	glutathi	1	109.942	5.93	1	33	0.2	4.64	4.21	2	0	0	0.460186	0.603	1	9088
325	HTR2C	7	5-hydrox	23	113.642	326.07	9	727	0.0	140.52	32.86	95	2	0	0.019133	0.604	8	9096
326	STX3A	7	syntaxin	11	59.279	47.29	0	156	0.0	49.79	49.79	35	0	0	0.050262	0.605	0	9096
327	AOX1	7	aldehyde	2	201.276	85.68	62	292	0.7	10.79	1.40	110	1	0	0.016662	0.606	62	9158
328	MC2R	7	melanoco	18	13.875	0.89	2	7	2.2	2.33	1.13	3	0	0	0.374258	0.608	2	9160
329	SLC6A2	7	solute c	16	54.248	45.93	43	219	0.9	5.45	1.10	59	3	0	0.030818	0.609	43	9203
330	CES1	7	carboxyl	16	54.394	30.22	4	157	0.1	26.53	6.54	15	0	0	0.110762	0.609	4	9207
331	MPDZ	7	multiple	9	13.097	143.79	26	304	0.2	24.71	5.42	87	2	0	0.021296	0.612	26	9233

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332	RYR3	7	ryanodin	15	31.390	555.13	414	2190	0.7	14.46	1.35	666	31	7	0.002879	0.618	399	9632
333	SLC38A3	7	solute c	3	50.218	15.70	0	38	0.0	18.20	18.20	1	0	0	0.623239	0.623	0	9632
334	ADH1C	7	alcohol	4	100.615	16.25	9	138	0.6	4.09	1.88	20	0	0	0.088826	0.623	9	9641
335	GRM2	7	glutamat	3	51.718	9.13	1	5	0.1	8.54	5.82	1	0	0	0.623638	0.624	1	9642
336	ST13	7	suppress	22	39.545	32.08	4	106	0.1	13.35	6.92	21	0	0	0.085367	0.625	4	9646
337	SCN2A2	7	sodium c	2	165.976	95.95	71	298	0.7	7.35	1.37	90	5	0	0.021503	0.628	70	9716
338	CCKBR	7	cholecys	11	6.238	12.39	12	81	1.0	2.95	1.15	16	0	0	0.111461	0.634	12	9728
339	ADH5	7	alcohol	4	100.350	17.65	11	81	0.6	5.40	1.68	19	0	0	0.095699	0.634	11	9739
340	NAT1	7	N-acetyl	8	18.112	13.21	3	51	0.2	5.41	3.93	14	0	0	0.127785	0.641	3	9742
341	ADORA1	7	adenosin	1	199.791	76.75	32	225	0.4	14.54	2.40	59	1	0	0.033611	0.641	31	9773
342	GABRB3	7	gamma-am	15	24.343	227.46	91	704	0.4	21.80	2.50	168	3	0	0.012258	0.647	90	9863
343	ADCY3	7	adenylat	2	24.954	99.96	26	390	0.3	50.86	3.79	38	0	0	0.052566	0.651	26	9889
344	CTSC	7	cathepsi	11	87.666	44.18	28	203	0.6	7.82	1.61	42	1	0	0.047823	0.651	28	9917
345	NR4A2	7	nuclear	2	157.006	8.25	2	45	0.2	6.22	3.58	6	0	0	0.262408	0.655	2	9919
346	SYT1	7	synaptot	12	78.114	233.56	44	447	0.2	42.98	5.25	131	10	0	0.016074	0.657	41	9960
347	FMO5	7	flavin c	1	143.883	39.08	9	196	0.2	14.20	4.16	66	2	0	0.031628	0.659	9	9969
348	SNCA	7	synuclei	4	91.004	110.14	68	426	0.6	29.94	1.63	161	8	0	0.013209	0.659	64	10033
349	ATM	7	ataxia t	11	107.599	142.92	68	742	0.5	11.39	2.11	107	3	0	0.020299	0.670	68	10101
350	GRM5	7	glutamat	11	87.881	539.83	143	2836	0.3	36.45	3.79	554	17	3	0.003984	0.670	134	10235
351	GPR1	7	G protei	2	206.866	38.10	10	108	0.3	11.74	3.69	28	0	0	0.073752	0.671	10	10245
352	GABRD	7	gamma-am	1	1.983	11.35	1	23	0.1	13.79	6.92	1	0	0	0.671808	0.672	1	10246
353	UGT2B17	7	UDP glyc	4	69.232	31.34	1	70	0.0	17.83	16.92	5	0	0	0.311059	0.673	1	10247
354	ALDH1A3	7	aldehyde	15	99.238	36.77	14	137	0.4	8.46	2.62	43	0	0	0.050066	0.677	14	10261

Stats by gene, priority thresholds (PT) set per gene (Default=7), sorted by corrected min
Stats reflect all SNPs in gene unless prefixed by "Rep", and all SNPs with priority <= PT unless prefixed by "ALL"

Rating=B

Obs	Gene	PT	Descrip	Chr	Start Pos Mb	Size kb	SNPs	ALL SNPs in dbSNP	SNPs Per Kb	Max gap kb	Mean spc	ALL SNPs w/ep	N05	N01	Min ep	CMin	Rep Not Top 40K	Cumul Rep Not Top 40K
355	BAG1	7	BCL2-ass	9	33.245	9.71	0	52	0.0	12.21	12.21	3	0	0	0.447679	0.695	0	10261
356	GHRL	7	ghrelin	3	10.302	4.46	1	24	0.2	5.53	3.48	2	0	0	0.547196	0.695	1	10262
357	CHRM2	7	choliner	7	136.157	1.40	2	11	1.4	2.25	1.95	5	0	0	0.327543	0.696	2	10264
358	FMO2	7	flavin c	1	167.886	23.88	17	142	0.7	7.62	1.47	35	0	0	0.064010	0.696	17	10281
359	UGT1A5	7	UDP glyc	2	234.404	60.31	15	273	0.2	21.66	3.93	37	0	0	0.061005	0.698	1	10282
360	UGT2B28	7	UDP glyc	4	70.327	14.55	1	57	0.1	8.58	8.53	5	0	0	0.331440	0.701	1	10283
361	GAD2	7	glutamat	10	26.546	87.89	29	496	0.3	10.34	3.01	99	2	0	0.024458	0.710	29	10312
362	SERPINA6	7	serine (	14	93.840	19.09	19	76	1.0	4.12	1.08	21	0	0	0.108225	0.716	19	10331
363	GRM7	7	glutamat	3	6.878	880.29	438	3256	0.5	21.32	2.01	1083	49	8	0.002418	0.731	414	10745
364	SNAP25	7	synaptos	20	10.147	88.59	34	440	0.4	15.45	2.60	79	3	0	0.032929	0.738	33	10778
365	MAPK12	7	mitogen-	22	48.994	8.46	0	48	0.0	10.96	10.96	1	0	0	0.741952	0.742	0	10778
366	GABRG1	7	gamma-am	4	45.883	83.77	10	235	0.1	36.76	7.84	81	1	0	0.032515	0.742	10	10788
367	PPP5C	7	protein	19	51.542	43.81	18	125	0.4	14.05	2.44	24	0	0	0.104242	0.747	18	10806
368	GABRR2	7	gamma-am	6	90.024	57.72	22	201	0.4	6.83	2.62	37	0	0	0.073360	0.765	22	10828
369	MBP	7	myelin b	18	72.821	37.25	27	198	0.7	5.79	1.42	41	0	0	0.067168	0.768	27	10855
370	HTR6	7	5-hydrox	1	19.737	14.28	2	49	0.1	12.74	5.59	4	0	0	0.443069	0.769	2	10857
371	UGT1A6	7	UDP glyc	2	234.382	81.62	22	337	0.3	21.66	3.66	47	0	0	0.061005	0.779	4	10861
372	GABRQ	7	gamma-am	23	151.477	15.19	4	32	0.3	8.39	3.54	8	0	0	0.285629	0.780	4	10865
373	KCNN1	7	potassiu	19	17.923	47.82	4	113	0.1	22.11	10.06	10	0	0	0.242211	0.782	4	10869
374	CD14	7	CD14 ant	5	139.992	1.46	3	24	2.1	2.82	0.99	6	0	0	0.358733	0.789	3	10872
375	PTGS2	7	prostagl	1	183.373	8.59	15	150	1.7	1.90	0.69	31	0	0	0.095033	0.798	15	10887
376	CDH18	7	cadherin	5	19.509	366.21	98	957	0.3	53.83	3.72	241	8	0	0.013351	0.803	95	10982
377	PDE4B	7	phosphod	1	65.971	580.32	181	1840	0.3	28.79	3.20	578	20	1	0.005688	0.808	175	11157

Stats by gene, priority thresholds (PT) set per gene (Default=7), sorted by corrected min
Stats reflect all SNPs in gene unless prefixed by "Rep", and all SNPs with priority <= PT unless prefixed by "ALL"

Rating=B

Obs	Gene	PT	Descrip	Chr	Start Pos Mb	Size kb	SNPs	ALL SNPs in dbSNP	SNPs Per Kb	Max gap kb	Mean spc	ALL SNPs w/ep	N05	N01	Min ep	CMin	Rep Not Top 40K	Cumul Rep Not Top 40K
378	SCN3A	7	sodium c	2	165.770	116.52	66	291	0.6	14.95	1.78	100	2	0	0.032514	0.812	66	11223
379	GABRP	7	gamma-am	5	170.143	30.29	19	143	0.6	9.75	1.64	32	0	0	0.098551	0.819	19	11242
380	KCNJ3	7	potassiu	2	155.381	157.92	90	465	0.6	16.18	1.76	165	5	0	0.020586	0.822	90	11332
381	GRIA4	7	glutamat	11	104.987	368.74	133	985	0.4	17.74	2.77	264	12	0	0.012963	0.823	132	11464
382	RXRB	7	retinoid	6	33.269	7.07	0	65	0.0	9.57	9.57	4	0	0	0.504208	0.827	0	11464
383	DAOA	7	D-amino	13	104.916	25.17	10	120	0.4	8.08	2.52	27	0	0	0.118021	0.828	10	11474
384	ADRA2A	7	adrenerg	10	112.827	3.65	1	25	0.3	5.96	3.07	1	0	0	0.832196	0.832	1	11475
385	MYL1	7	myosin,	2	210.980	25.02	5	66	0.2	13.55	4.59	22	0	0	0.144289	0.833	5	11480
386	UGT1A7	7	UDP glyc	2	234.373	91.36	31	390	0.3	21.66	2.93	56	0	0	0.061005	0.834	0	11480
387	KCND2	7	potassiu	7	119.508	476.67	63	841	0.1	44.90	7.49	243	1	0	0.014643	0.835	62	11542
388	NNMT	7	nicotina	11	113.672	16.07	5	62	0.3	7.19	3.09	8	0	0	0.337039	0.843	5	11547
389	CCKAR	7	cholecys	4	26.159	9.02	4	38	0.4	6.74	2.30	6	0	0	0.410827	0.843	4	11551
390	CES2	7	carboxyl	16	65.526	10.65	1	31	0.1	10.75	6.58	7	0	0	0.373293	0.846	1	11552
391	KCNJ8	7	potassiu	12	21.809	9.86	1	10	0.1	10.61	6.18	3	0	0	0.634540	0.866	1	11553
392	ADH6	7	alcohol	4	100.483	14.52	10	43	0.7	3.29	1.55	16	0	0	0.214109	0.871	10	11563
393	UGT1A9	7	UDP glyc	2	234.363	101.41	39	437	0.4	21.66	2.60	65	0	0	0.061005	0.875	0	11563
394	DNM1	7	dynamin	9	128.045	51.83	8	130	0.2	21.07	6.04	14	0	0	0.244122	0.877	8	11571
395	NTRK3	7	neurotro	15	86.221	379.61	146	980	0.4	21.30	2.60	305	12	0	0.013678	0.878	140	11711
396	HNMT	7	histamin	2	138.556	50.43	26	189	0.5	14.05	1.96	49	0	0	0.081539	0.881	26	11737
397	GRIA2	7	glutamat	4	158.500	143.07	21	192	0.1	17.40	6.62	54	0	0	0.074997	0.883	21	11758
398	UGT1A10	7	UDP glyc	2	234.327	136.83	40	531	0.3	25.85	3.40	68	0	0	0.061005	0.886	34	11792
399	UGT1A8	7	UDP glyc	2	234.308	155.65	40	615	0.3	31.52	3.86	68	0	0	0.061005	0.886	0	11792
400	KCNA7	7	potassiu	19	54.262	5.52	5	20	0.9	4.68	1.34	7	0	0	0.424350	0.890	5	11797

Stats by gene, priority thresholds (PT) set per gene (Default=7), sorted by corrected min
Stats reflect all SNPs in gene unless prefixed by "Rep", and all SNPs with priority <= PT unless prefixed by "ALL"

Rating=B

Obs	Gene	PT	Descrip	Chr	Start Pos Mb	Size kb	SNPs	ALL SNPs in dbSNP	SNPs Per Kb	Max gap kb	Mean spc	ALL SNPs w/ep	N05	N01	Min ep	CMin	Rep Not Top 40K	Cumul Rep Not Top 40K
401	NR3C1	7	nuclear	5	142.639	123.76	18	344	0.1	21.10	6.65	43	0	0	0.097190	0.895	18	11815
402	NRCAM	7	neuronal	7	107.382	308.68	162	1108	0.5	20.90	1.91	380	11	0	0.012410	0.907	158	11973
403	KCNC3	7	potassiu	19	55.511	13.87	0	34	0.0	16.37	16.37	1	0	0	0.908691	0.909	0	11973
404	KCNC2	7	potassiu	12	73.720	169.62	83	460	0.5	22.21	2.05	162	1	0	0.029645	0.914	83	12056
405	STX7	7	syntaxin	6	132.823	43.58	24	174	0.6	7.17	1.84	49	0	0	0.093782	0.915	24	12080
406	KCNG3	7	potassiu	2	42.581	52.08	8	153	0.2	17.52	6.06	26	0	0	0.174237	0.925	8	12088
407	PIK3C2G	7	phosphoi	12	18.326	366.41	79	697	0.2	31.91	4.61	122	3	0	0.042036	0.929	79	12167
408	ADD2	7	adducin	2	70.801	106.06	90	404	0.8	14.59	1.19	131	1	0	0.040141	0.933	90	12257
409	ADCY2	7	adenylat	5	7.449	433.85	251	1255	0.6	23.10	1.73	409	13	0	0.013142	0.934	249	12506
410	SLC18A1	7	solute c	8	20.047	38.35	22	135	0.6	10.67	1.78	39	0	0	0.129583	0.938	22	12528
411	JAK1	7	Janus ki	1	65.012	51.78	32	177	0.6	10.32	1.64	72	0	0	0.074168	0.940	32	12560
412	GRIA1	7	glutamat	5	152.850	320.86	210	1099	0.7	22.68	1.53	351	8	0	0.015865	0.940	208	12768
413	ADH4	7	alcohol	4	100.402	21.22	7	141	0.3	10.09	2.97	46	0	0	0.119073	0.949	7	12775
414	GRM8	7	glutamat	7	125.673	804.66	332	3444	0.4	30.19	2.43	717	19	1	0.008309	0.950	324	13099
415	ITGB3	7	integrin	17	42.686	58.87	24	203	0.4	8.06	2.67	54	0	0	0.108969	0.958	24	13123
416	ADD1	7	adducin	4	2.883	86.20	33	212	0.4	13.11	2.61	69	0	0	0.090723	0.964	33	13156
417	TACR1	7	tachykin	2	75.188	150.04	78	453	0.5	13.77	1.93	144	1	0	0.049179	0.974	78	13234
418	HTR4	7	5-hydrox	5	147.811	202.98	62	480	0.3	18.73	3.26	142	0	0	0.050021	0.974	62	13296
419	CHRM5	7	choliner	15	32.098	46.86	11	172	0.2	29.37	4.11	17	0	0	0.373760	0.985	11	13307
420	GNG2	7	guanine	14	51.397	106.24	31	397	0.3	20.62	3.40	107	0	0	0.075380	0.985	31	13338
421	SCN1A	7	sodium c	2	166.673	82.41	39	348	0.5	12.00	2.12	133	0	0	0.077649	0.996	39	13377
422	CSEN	7	calsenil	2	95.385	88.73	6	138	0.1	52.02	13.03	25	0	0	0.392582	0.998	6	13383
423	ADRA2B	7	adrenerg	2	96.200	3.27	0	24	0.0	5.77	5.77	0	0	0	999.0000	999.000	0	13383

Stats by gene, priority thresholds (PT) set per gene (Default=7), sorted by corrected min
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Rating=B

Obs	Gene	PT	Descrip	Chr	Start Pos Mb	Size kb	SNPs	ALL SNPs in dbSNP	SNPs Per Kb	Max gap kb	Mean spc	ALL SNPs w/ep	N05	N01	Min ep	CMin	Rep Not Top 40K	Cumul Rep Not Top 40K
424	ADRA2C	7	adrenerg	4	3.804	2.82	0	15	0.0	5.32	5.32	0	0	0	999.0000	999.000	0	13383
425	ADRB1	7	adrenerg	10	115.794	1.72	0	33	0.0	4.22	4.22	0	0	0	999.0000	999.000	0	13383
426	AGRP	7	agouti r	16	66.074	1.24	0	3	0.0	3.74	3.74	0	0	0	999.0000	999.000	0	13383
427	AVPR1B	7	arginine	1	202.767	7.70	0	13	0.0	10.20	10.20	0	0	0	999.0000	999.000	0	13383
428	CALM3	7	calmodul	19	51.796	9.47	0	29	0.0	11.97	11.97	0	0	0	999.0000	999.000	0	13383
429	CHRM4	7	choliner	11	46.363	1.44	0	6	0.0	3.94	3.94	0	0	0	999.0000	999.000	0	13383
430	CYP2D6	7	cytochro	22	40.847	4.38	0	25	0.0	6.88	6.88	0	0	0	999.0000	999.000	0	13383
431	GNB2	7	guanine	7	99.916	5.42	0	19	0.0	7.92	7.92	0	0	0	999.0000	999.000	0	13383
432	JUNB	7	jun B pr	19	12.763	1.82	0	28	0.0	4.32	4.32	0	0	0	999.0000	999.000	0	13383
433	KCNA2	7	potassiu	1	110.858	2.57	0	11	0.0	5.07	5.07	0	0	0	999.0000	999.000	0	13383
434	KCNA6	7	potassiu	12	4.789	4.24	0	13	0.0	6.74	6.74	0	0	0	999.0000	999.000	0	13383
435	KCNAB3	7	potassiu	17	7.767	6.73	0	16	0.0	9.23	9.23	0	0	0	999.0000	999.000	0	13383
436	KCNS2	7	potassiu	8	99.508	3.78	0	4	0.0	6.28	6.28	0	0	0	999.0000	999.000	0	13383
437	KLF16	7	Kruppel-	19	1.803	11.10	0	33	0.0	13.60	13.60	0	0	0	999.0000	999.000	0	13383
438	MYL5	7	myosin,	4	0.662	4.11	0	6	0.0	6.61	6.61	0	0	0	999.0000	999.000	0	13383
439	SCN1B	7	sodium c	19	40.213	9.82	0	24	0.0	12.32	12.32	0	0	0	999.0000	999.000	0	13383
440	SLC39A7	7	solute c	6	33.277	3.52	0	23	0.0	6.02	6.02	0	0	0	999.0000	999.000	0	13383
441	STUB1	7	STIP1 ho	16	0.670	2.28	0	16	0.0	4.78	4.78	0	0	0	999.0000	999.000	0	13383
442	STX10	7	syntaxin	19	13.116	5.76	0	11	0.0	8.26	8.26	0	0	0	999.0000	999.000	0	13383
443	STX1A	7	syntaxin	7	72.558	9.91	0	32	0.0	12.41	12.41	0	0	0	999.0000	999.000	0	13383
444	STX4A	7	syntaxin	16	30.952	6.58	0	13	0.0	9.08	9.08	0	0	0	999.0000	999.000	0	13383
445	SYP	7	synaptop	23	48.801	12.38	0	22	0.0	14.88	14.88	0	0	0	999.0000	999.000	0	13383
446	UGT2B15	7	UDP glyc	4	69.693	23.99	0	2	0.0	26.49	26.49	0	0	0	999.0000	999.000	0	13383

Stats by gene, priority thresholds (PT) set per gene (Default=7), sorted by corrected min
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Rating=B

Obs	Gene	PT	Descrip	Chr	Start Pos Mb	Size kb	SNPs	ALL SNPs in dbSNP	SNPs Per Kb	Max gap kb	Mean spc	ALL SNPs w/ep	N05	N01	Min ep	CMin	Rep Not Top 40K	Cumul Rep Not Top 40K
gene_rating																	12696	
																	13383	